

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2024 This Form is Open to Public Inspection
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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: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B	This return/report is: ☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information
1a	Name of plan NORTHROP GRUMMAN RETIREMENT PLAN B
1b	Three-digit plan number (PN) ▶ 041
1c	Effective date of plan 10/01/1978
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) NORTHROP GRUMMAN CORPORATION 2980 FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042-4511
2b	Employer Identification Number (EIN) 80-0640649
2c	Plan Sponsor's telephone number 703-280-2900
2d	Business code (see instructions) 336410

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

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/07/2025	JEFF SCHMIDT-CORP VP, TOTAL REWARDS
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☐ Same as Plan Sponsor NG BENEFIT PLANS ADMINISTRATIVE COMMITTEE 2980 FAIRVIEW PARK DRIVE FALLS CHURCH, VA 22042-4511	3b Administrator's EIN 95-3058633																						
	3c Administrator's telephone number 800-894-4194																						
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN																						
5 Total number of participants at the beginning of the plan year	5 21148																						
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td colspan="2" style="height: 20px;"></td></tr> <tr><td style="width: 15%;">6a(1)</td><td style="text-align: right;">1614</td></tr> <tr><td>6a(2)</td><td style="text-align: right;">1451</td></tr> <tr><td>6b</td><td style="text-align: right;">11567</td></tr> <tr><td>6c</td><td style="text-align: right;">3802</td></tr> <tr><td>6d</td><td style="text-align: right;">16820</td></tr> <tr><td>6e</td><td style="text-align: right;">3615</td></tr> <tr><td>6f</td><td style="text-align: right;">20435</td></tr> <tr><td>6g(1)</td><td></td></tr> <tr><td>6g(2)</td><td></td></tr> <tr><td>6h</td><td style="text-align: right;">0</td></tr> </table>			6a(1)	1614	6a(2)	1451	6b	11567	6c	3802	6d	16820	6e	3615	6f	20435	6g(1)		6g(2)		6h	0
6a(1)	1614																						
6a(2)	1451																						
6b	11567																						
6c	3802																						
6d	16820																						
6e	3615																						
6f	20435																						
6g(1)																							
6g(2)																							
6h	0																						
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7																						
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1A 1C 1D 3H																							
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:																							

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☒ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary (4) ☐ DCG (Individual Plan Information) – Number Attached _____ (5) ☐ MEP (Multiple-Employer Retirement Plan Information)	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ A (Insurance Information) – Number Attached _____ (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

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

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2024 Form M-1 annual report. If the plan was not required to file the 2024 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 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 NORTHROP GRUMMAN RETIREMENT PLAN B	B Three-digit plan number (PN) 041
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF NORTHROP GRUMMAN CORPORATION	D Employer Identification Number (EIN) 80-0640649
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information			
1	Enter the valuation date: Month 01 Day 01 Year 2024			
2	Assets:			
a	Market value	2a	2125148387	
b	Actuarial value	2b	2247932193	
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	15256	1168900498	1168900498
b	For terminated vested participants	4278	179030861	179030861
c	For active participants	1614	343376877	345567226
d	Total	21148	1691308236	1693498585
4	If the plan is in at-risk status, check the box and complete lines (a) and (b): ☐			
a	Funding target disregarding prescribed at-risk assumptions	4a		
b	Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5	Effective interest rate	5	5.11 %	
6	Target normal cost			
a	Present value of current plan year accruals	6a	17607076	
b	Expected plan-related expenses	6b	7236304	
c	Target normal cost	6c	24843380	

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 ALEXANDER LANDSMAN Type or print name of actuary WILLIS TOWERS WATSON US LLC Firm name 500 NORTH AKARD STREET, SUITE 4300 DALLAS, TX 75201 Address of the firm	Date 23-05399 Most recent enrollment number 214-530-4200 Telephone number (including area code)
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Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	18790461	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)	18790461	
10 Interest on line 9 using prior year's actual return of <u>11.40</u> %	2142113	
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		0
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.22</u> %		
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		0
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	20932574	0

Part III Funding Percentages

14 Funding target attainment percentage	14	131.50 %
15 Adjusted funding target attainment percentage	15	132.73 %
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	131.37 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ►			18(b)		18(c)

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

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

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(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 %☐ N/A, full yield curve used**b** Applicable month (enter code)**21b**

4

22 Weighted average retirement age**22**

64

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

24843380

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

24843380

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**

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****37** Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)**37****38** Present value of excess contributions for current year (see instructions)**a** Total (excess, if any, of line 37 over line 36)**38a**

0

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

0

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

0

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

0

Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**41** If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☒ 2019 ☐ 2020 ☐ 2021

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	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

A Name of plan NORTHROP GRUMMAN RETIREMENT PLAN B	B Three-digit plan number (PN) ▶ 041
C Plan sponsor's name as shown on line 2a of Form 5500 NORTHROP GRUMMAN CORPORATION	D Employer Identification Number (EIN) 80-0640649

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. ☐ Yes ☒ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

FIDELITY INVESTMENTS INSTITUTIONAL

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 50	RECORDKEEPER	735449	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

WILLIS TOWERS WATSON DELAWARE INC.

53-0181291

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
11 17 50	ACTUARY	140065	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

DELOITTE & TOUCHE LLP

13-3891517

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	AUDITOR	114111	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

STATE STREET BANK AND TRUST COMPANY

04-1867445

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
25 28 50 99	TRUSTEE	80654	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

PKF O'CONNOR DAVIES LLP

27-1728945

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	ACCOUNTANT/A UDITOR	65363	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ROPES & GRAY LLP

04-2233412

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29 50	LEGAL COUNSEL	41133	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

CALLAN ASSOCIATES

94-2192581

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
34 50	CONSULTANT	23452	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

FUTURE TECH ENTERPRISE INC

11-3350196

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49	OTHER SERVICES	21706	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

STEPSTONE GROUP LP

33-1156466

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
16 50	CONSULTANT	16381	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

CHIPTON-ROSS INC.

39-1341435

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
30 36 50 14 38 29 13	CONTRACT LABOR	12585	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

CITRIN COOPERMAN ADVISORS LLC

87-2525370

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	FORM 5500 PREP	9870	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

BLOOMBERG

731 LEXINGTON AVENUE
NEW YORK, NY 10022

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
49 50	CONSULTANT	5675	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	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		
A Name of plan NORTHROP GRUMMAN RETIREMENT PLAN B		B Three-digit plan number (PN) ▶ 041
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 NORTHROP GRUMMAN CORPORATION		D Employer Identification Number (EIN) 80-0640649
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)		
a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT EQUITY FD		
b Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION		
c EIN-PN 13-6692740-001	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT NON-EQUITY FD		
b Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION		
c EIN-PN 13-6692740-015	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT ALTERNATIVE INVESTMENT FD		
b Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION		
c EIN-PN 13-6692740-007	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 292122428
a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT FIXED INCOME FD		
b Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION		
c EIN-PN 13-6692740-008	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 613904505
a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT MONEY MARKET FD		
b Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION		
c EIN-PN 13-6692740-012	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 40926967
a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT GLOBAL EQUITY FD		
b Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION		
c EIN-PN 13-6692740-016	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 329916599
a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT FIXED INCOME POOL 10 FUND		
b Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION		
c EIN-PN 13-6692740-020	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 656978591
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule D (Form 5500) 2024 v. 240311		

a Name of MTIA, CCT, PSA, or 103-12 IE: NG DB MT PRIVATE CREDIT FD**b** Name of sponsor of entity listed in (a): NORTHROP GRUMMAN CORPORATION**c** EIN-PN 13-6692740-021**d** Entity
code M**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

120759210

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs, other than DCGs)

(Complete as many entries as needed to report all participating plans. DCGs must report each participating plan using Schedule DCG.)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	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

A Name of plan NORTHROP GRUMMAN RETIREMENT PLAN B	B Three-digit plan number (PN) 041
C Plan sponsor's name as shown on line 2a of Form 5500 NORTHROP GRUMMAN CORPORATION	D Employer Identification Number (EIN) 80-0640649

Part I	Asset and Liability Statement		
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	2114224613	2054608300
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other.....	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	2114224613	2054608300
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h	1334185	1186467
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	1334185	1186467
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	2112890428	2053421833

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)		
(B) Participants	2a(1)(B)		
(C) Others (including rollovers)	2a(1)(C)	4782001	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		4782001
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		74330847
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		79112848

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	134820585	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		134820585
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses:			
(1) Salaries and allowances	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Recordkeeping fees	2i(3)	733556	
(4) IQPA audit fees	2i(4)	123981	
(5) Investment advisory and investment management fees	2i(5)		
(6) Bank or trust company trustee/custodial fees	2i(6)	59406	
(7) Actuarial fees	2i(7)	145019	
(8) Legal fees	2i(8)	95504	
(9) Valuation/appraisal fees	2i(9)		
(10) Other trustee fees and expenses	2i(10)		
(11) Other expenses	2i(11)	2603392	
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		3760858
j Total expenses. Add all expense amounts in column (b) and enter total	2j		138581443

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-59468595
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☐ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☒ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: **DELOITTE & TOUCHE LLP**

(2) EIN: **13-3891517**

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

(1) ☐ This form is filed for a CCT, PSA, DCG or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

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.)		☒	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		☒	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		☒	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)		☒	
e Was this plan covered by a fidelity bond?	☒		100000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		☒	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)		☒	
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)		☒	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		☒	
l Has the plan failed to provide any benefit when due under the plan?		☒	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☒ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 551908.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation		Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.		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					
A Name of plan NORTHROP GRUMMAN RETIREMENT PLAN B				B Three-digit plan number (PN) ▶	041
C Plan sponsor's name as shown on line 2a of Form 5500 NORTHROP GRUMMAN CORPORATION				D Employer Identification Number (EIN) 80-0640649	
Part I Distributions					
All references to distributions relate only to payments of benefits during the plan year.					
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....				1	0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 04-2647786					
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.					
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year				3	60
Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)					
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☒ No ☐ N/A If the plan is a defined benefit plan, go to line 8.					
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.					
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)				6a	
b Enter the amount contributed by the employer to the plan for this plan year				6b	
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....				6c	
If you completed line 6c, skip lines 8 and 9.					
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A					
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☒ N/A					
Part III Amendments					
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☒ No					
Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.					
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ☐ Yes ☐ No					
11 a Does the ESOP hold any preferred stock? ☐ Yes ☐ No					
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ☐ Yes ☐ No					
12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ☐ Yes ☐ No					
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.				Schedule R (Form 5500) 2024 v. 240311	

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

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

14a

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

14b

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

14c

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

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

15a

b The corresponding number for the second preceding plan year.....

15b

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

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

16a

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....

16b

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐

19 If the total number of participants is 1,000 or more, complete lines (a) and (b):

a Enter the percentage of plan assets held as:

Public Equity: 28.6 % Private Equity: 11.3 % Investment-Grade Debt and Interest Rate Hedging Assets: 38.9 %

High-Yield Debt: 1.1 % Real Assets: 6.1 % Cash or Cash Equivalents: 2.1 % Other: 11.9 %

b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:

☐ 0-5 years ☐ 5-10 years ☒ 10-15 years ☐ 15 years or more

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☒ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation.....

Part VII IRS Compliance Questions

21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? ☒ Yes ☐ No

21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).

☐ Design-based safe harbor method

☐ "Prior year" ADP test

☐ "Current year" ADP test

☐ N/A

22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter ___/___/___ (MM/DD/YYYY) and the Opinion Letter serial number_____.

Northrop Grumman Retirement Plan “B”

Employer ID No: 80-0640649

Plan Number: 041

Financial Statements as of and for the
Years Ended December 31, 2024 and 2023, and
Independent Auditor's Report

NORTHROP GRUMMAN RETIREMENT PLAN “B”

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INDEPENDENT AUDITOR'S REPORT

To the Plan Administrator of
Northrop Grumman Retirement Plan "B":

Opinion

We have audited the financial statements of Northrop Grumman Retirement Plan "B" (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statements of net assets available for pension benefits as of December 31, 2024 and 2023, and the related statements of changes in net assets available for pension benefits for the years then ended, and the statement of accumulated plan benefits as of December 31, 2023, and the related statement of changes in accumulated plan benefits for the year then ended, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the net assets available for pension benefits of the Plan as of December 31, 2024 and 2023, and the changes in its net assets available for pension benefits for the years then ended, and the accumulated plan benefits as of December 31, 2023, and the changes in its accumulated plan benefits for the year then ended, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for one year after the date that the financial statements are available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the Plan, and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

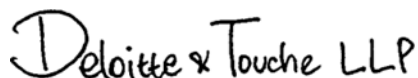
Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Deloitte & Touche LLP

October 3, 2025

NORTHROP GRUMMAN RETIREMENT PLAN “B”**STATEMENTS OF NET ASSETS AVAILABLE FOR PENSION BENEFITS**

<i>\$ in thousands</i>	December 31	
	2024	2023
Assets:		
Plan interest in Northrop Grumman Pension Master Trust, at fair value	\$ 2,054,608	\$ 2,114,225
Total assets	2,054,608	2,114,225
Liabilities: Accrued expenses	1,186	1,334
Net assets available for pension benefits	\$ 2,053,422	\$ 2,112,891

The accompanying notes are an integral part of these financial statements.

NORTHROP GRUMMAN RETIREMENT PLAN “B”

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR PENSION BENEFITS

<i>\$ in thousands</i>	Year Ended December 31	
	2024	2023
Additions:		
Investment income — Plan interest in the Northrop Grumman Pension Master Trust	\$ 74,331	\$ 221,708
Deposits and contributions — rollover of employee deposits and earnings	4,782	5,041
Net additions	79,113	226,749
Deductions:		
Benefits paid to participants	134,821	134,297
Administrative expenses	3,761	4,394
Total deductions	138,582	138,691
(Decrease)/increase in net assets	(59,469)	88,058
Net assets available for pension benefits		
Beginning of year	2,112,891	2,024,833
End of year	\$ 2,053,422	\$ 2,112,891

The accompanying notes are an integral part of these financial statements.

NORTHROP GRUMMAN RETIREMENT PLAN “B”
STATEMENT OF ACCUMULATED PLAN BENEFITS

<i>\$ in thousands</i>	December 31, 2023
Actuarial present value of accumulated plan benefits	
Vested benefits	
Participants currently receiving payments	\$ 1,046,922
Other participants	400,363
Total vested benefits	1,447,285
Nonvested benefits	3,038
Total actuarial present value of accumulated plan benefits	\$ 1,450,323

The accompanying notes are an integral part of these financial statements.

NORTHROP GRUMMAN RETIREMENT PLAN “B”

STATEMENT OF CHANGES IN ACCUMULATED PLAN BENEFITS

<i>\$ in thousands</i>	Year Ended December 31, 2023
Actuarial present value of accumulated plan benefits — Beginning of year	\$ 1,467,951
Increase (decrease) during the year attributable to:	
Interest	99,239
Benefits paid	(129,176)
Benefits accumulated	13,248
Actuarial gains	(1,364)
Changes in actuarial assumptions	425
Net decrease	(17,628)
Actuarial present value of accumulated plan benefits — End of year	\$ 1,450,323

The accompanying notes are an integral part of these financial statements.

NORTHROP GRUMMAN RETIREMENT PLAN “B”

NOTES TO FINANCIAL STATEMENTS

1. DESCRIPTION OF THE PLAN

The following description of the Northrop Grumman Retirement Plan “B” (the “Plan”) provides only general information. Participants should refer to the Plan document for a more complete description of the Plan’s provisions.

General

The Plan is a defined benefit pension plan sponsored by Northrop Grumman Corporation (the “Company” or “Plan Sponsor”). The plan was established on October 1, 1978 to provide pension benefits to certain employees of Litton Industries, Inc which was acquired by the Company. The Plan consists of a number of sub-plans as described in the Plan document and amendments to the Plan document. The Plan's Benefit Plans Administrative and Investment Committees control and manage the operation of the Plan. State Street Bank and Trust Company (the “Trustee”) serves as the Trustee of the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (“ERISA”).

The Plan holds an interest in the Northrop Grumman Pension Master Trust (the “Pension Master Trust”).

Eligibility

The Plan covers most non-union employees of participating Company entities hired prior to July 1, 2008.

Pension Benefits

The Plan is a noncontributory plan under which eligible Plan participants currently accrue benefits under a cash balance formula. The cash balance formula is a percentage of eligible pay credited to a hypothetical account, which grows with interest. The pay credit is a percentage of eligible compensation that varies based on an employee’s “points” (age plus service). At retirement, the hypothetical account balance is converted to a monthly pension benefit. Certain participants previously accrued a benefit under a non-cash balance formula.

Pension benefits are determined based on a number of factors, including some or all of the participant's group affiliation, age, years of service, social security benefit payable at normal retirement age. The pension benefits for some sub plans were also determined based on mandatory employee contributions to the Plan, as well as voluntary contributions to the Northrop Grumman Financial Security and Savings Program (“FSSP”). Such mandatory and voluntary employee contributions are collectively referred to as “employee contributions.”

Some participants may have both a traditional pension benefit and a cash balance benefit.

For some sub-plans, the normal retirement benefit under the Plan is linked with the benefits payable to certain participants under the FSSP. Upon retirement, certain participants may elect to transfer the FSSP Retirement Account balance attributable to their voluntary contributions to the FSSP into the Plan to earn an additional benefit under the Plan. The benefit under the Plan is also dependent on the participant's earnings on his or her voluntary contributions to the FSSP.

Under current Plan provisions, in general, normal retirement benefits may commence on the first day of the calendar month coinciding with or next following the later of (1) the participant's 65th birthday, or (2) the earlier of the fifth anniversary of participation or the date the employee completes three years of vesting service. In general, participants may elect early retirement benefits upon attaining age 55 and completing 10 years of service. Benefits are payable in the form of a joint and survivor annuity, a single life annuity, or other options as defined in the Plan document.

2. SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The accompanying financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (“GAAP”).

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities and changes therein, as well as the actuarial present value of accumulated plan benefits. Actual results could materially differ from those estimates.

Risks and Uncertainties

The Plan holds an interest in the Pension Master Trust which invests in various investment securities (Note 3). Investment securities are exposed to various risks, including interest rate and credit risk, overall market volatility, market risks including global events such as pandemics or international conflicts, and risks related to U.S. and foreign government instability. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities may occur in the near term, and those changes could materially affect the amounts reported in the financial statements. The Pension Master Trust has no individual investments that account for greater than 10 percent of net assets.

Plan contributions are made, and the actuarial present value of accumulated plan benefits are reported, based on assumptions pertaining to interest rates, inflation rates, and employee demographics. Due to uncertainties inherent in the assumptions used in the estimating process, it is reasonably possible that changes in these estimates and assumptions in the near term could materially affect the amounts reported in the financial statements.

Investment Valuation and Income Recognition

The investments held by the Pension Master Trust are reported at fair value as determined by the Trustee pursuant to the Pension Master Trust agreement. Plan management provides direction and oversight of the valuation process. The fair value of a financial instrument is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Pension Master Trust investments are valued as described below. See Note 5 for the Pension Master Trust's derivative financial instrument disclosures.

Cash equivalents primarily represent interest-bearing foreign cash that is valued at cost, which approximates fair value. The short-term investment funds are private funds managed by third-party managers with the investment objectives of liquidity and preservation of principal. The funds are valued based on the redemption price of shares/units, which is based on the current fair value of the underlying net assets. Investments in certain equity securities are valued at the last reported sales price of the stock on the active market in which the investments are traded on the last business day of the year or based on the quoted market prices that represent the net asset value ("NAV") of shares held by the Pension Master Trust at year-end. Fair values for certain equity and fixed-income investments, which are not exchange-traded, are valued using quoted prices in inactive markets or quoted prices for similar instruments, model-derived valuations or third-party pricing services. The third-party pricing services use, for example, recent broker-dealer quotations or model-based pricing methods that use significant observable inputs such as relevant yield curves, credit information of the underlying investment, prepayment projections, cash flows and other investment characteristics, to determine fair value as of the last trading day of the year. If market values are not available from the above sources, the fair value is provided to the Trustee by the party with authority to trade in such investments (investment managers or Plan management, as applicable). Fair values for certain equity funds, fixed-income funds and alternative investments funds, including hedge funds, opportunistic investments funds, private equity funds, real estate funds and private credit funds, are valued based on the NAV as a practical expedient are derived by investment managers.

Over-the-counter financial derivative instruments derive their value from underlying asset prices, indices, reference rates and other inputs or a combination of these factors. These contracts are normally valued on the basis of broker-dealer information or pricing service providers. Depending on the product and the terms of the transaction, the value of the derivative contracts can be estimated by a pricing service provider using a series of techniques, including simulation pricing models. The pricing models use inputs observed from actively quoted markets such as issuer details, indices, spreads, interest rates, curves, dividends and exchange rates. Derivatives that use similar valuation techniques and inputs as described above are categorized as Level 2 of the fair value hierarchy. Exchange-traded derivatives are valued based off of the last reported price on the active market on which they trade and are categorized as Level 1 of the fair value hierarchy.

Purchases and sales of investments are recorded on a trade-date basis. Interest income is recorded on an accrual basis and dividends are recorded on the ex-dividend date. Broker commissions, transfer taxes, investment manager fees and other charges and expenses incurred in connection with the purchase, sale, or disposition of investments are added to the cost of such investments, or are deducted from the proceeds of the sale or disposition thereof, as appropriate. Currency gains and losses from international equity sales and foreign exchange settlements are reflected in investment income.

In performing valuations or calculations required of the Trustee, the Trustee relies on prices provided by pricing sources, investment managers and/or Plan management for certification as to the value.

The Pension Master Trust allocates investment income, including realized gains and losses and unrealized appreciation and depreciation on the underlying securities to the participating plans based upon the market value of each participating plan's investment. The realized gain or loss on investments is the difference between the proceeds received and the average cost of investments sold. The unrealized appreciation or depreciation amount is the aggregate difference between the current fair market value and the average cost of investments.

Fair Value of Financial Instruments

The Pension Master Trust measures the fair value of its financial instruments using observable and unobservable inputs. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect internal market assumptions. Assets are classified in their entirety based on the lowest level of input that is significant to the fair value measurement.

These two types of inputs create the following fair value hierarchy:

Level 1 — Quoted prices for identical instruments in active markets. Level 1 investments of the Pension Master Trust primarily include cash equivalents, exchange-traded derivatives, and U.S. and international equities, which primarily include common and preferred stocks, real estate investment trusts, and registered investment companies.

Level 2 — Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations whose inputs are observable or whose significant value drivers are observable. Level 2 investments of the Pension Master Trust primarily include fixed-income securities based on broker quotes or model-derived valuations and short-term investment funds.

Level 3 — Significant inputs to the valuation model are unobservable.

Expenses

Plan expenses are paid by either the Plan or the Plan Sponsor, as provided in the Plan document.

Payment of Benefits

Benefit payments to participants are recorded upon distribution.

3. INVESTMENTS

The Pension Master Trust investments are stated at fair values determined and reported by the Trustee in accordance with the Pension Master Trust agreement established by the Company.

The Plan's proportionate interest represents 6.7 percent and 6.8 percent of total net assets of the Pension Master Trust as reported by the Trustee as of December 31, 2024 and 2023, respectively.

The net assets of the Pension Master Trust and the Plan's interest in Master Trust balances as of December 31, 2024 and 2023, are as follows:

<i>\$ in thousands</i>	Master Trust Balances		Plan's Interest in Master Trust Balances	
	2024	2023	2024	2023
Assets				
Cash equivalents and short-term investment funds	\$ 918,446	\$ 834,563	\$ 53,487	\$ 51,435
U.S. and international equities	3,223,400	3,093,032	123,578	151,424
Fixed-income securities				
U.S. and non-U.S. government	2,279,849	2,729,766	116,898	135,584
Corporate debt	3,381,675	4,303,133	598,273	676,429
Asset-backed	1,301,284	435,625	66,722	21,637
High yield debt	19,436	19,875	997	987
Bank loans	16,138	14,978	827	744
Other assets	33,339	33,857	—	25
Derivatives	(8,807)	69,525	(452)	3,453
Assets on loan to third-party borrowers	1,865,104	1,513,136	130,489	89,179
Collateral held under securities lending agreements	1,909,513	1,555,557	133,596	91,679
Investments valued using NAV as a practical expedient				
U.S. and international equities funds	5,556,701	5,265,627	211,833	285,891
Fixed-income funds	3,534,258	4,010,961	342,454	345,616
Hedge funds	28,144	33,654	1,220	1,371
Opportunistic investments funds	1,816,315	3,190,134	82,586	129,988
Private equity funds	3,524,929	3,435,488	152,756	137,213
Real estate funds	1,854,196	2,114,724	80,353	84,462
Private credit funds	1,793,100	—	120,749	—
Total investments	33,047,020	32,653,635	2,216,366	2,207,117
Dividends, interest, and taxes receivable	117,828	111,793	7,893	7,610
Receivables from broker for securities sold	205,478	155,650	13,765	10,596
Other receivables	292	1,049	20	71
Total assets	33,370,618	32,922,127	2,238,044	2,225,394
Liabilities				
Collateral held under securities lending agreements	1,909,513	1,555,557	133,596	91,679
Due to brokers for securities purchased	862,195	288,813	49,551	19,088
Other liabilities	4,291	4,771	289	402
Total liabilities	2,775,999	1,849,141	183,436	111,169
Net assets of the Pension Master Trust	\$30,594,619	\$31,072,986	\$ 2,054,608	\$ 2,114,225

Net investment income for the Pension Master Trust for the years ended December 31, 2024 and 2023, is as follows:

<i>\$ in thousands</i>	2024	2023
Investment income/(loss)		
Net appreciation of investments	\$ 1,082,009	\$ 2,904,552
Interest	430,712	406,568
Dividends	97,617	107,587
Other (loss)/income	(40)	768
Investment manager fees	(122,961)	(105,495)
Net investment income	\$ 1,487,337	\$ 3,313,980

4. FAIR VALUE MEASUREMENTS

The tables below set forth the fair value hierarchy of the investments, measured on a recurring basis and held by the Pension Master Trust as of December 31, 2024 and 2023:

<i>\$ in thousands</i>	2024			
	Level 1	Level 2	Level 3	Total
Cash equivalents and short-term investment funds	\$ 139,591	\$ 778,855	\$ —	\$ 918,446
U.S. and international equities	3,270,989	410	—	3,271,399
Fixed-income securities				
U.S. and non-U.S. government	—	3,814,577	—	3,814,577
Corporate debt	—	3,663,973	—	3,663,973
Asset-backed	—	1,301,284	—	1,301,284
High yield debt	—	19,515	—	19,515
Bank loans	—	16,138	—	16,138
Other assets	—	33,339	—	33,339
Derivatives	(54,054)	45,247	—	(8,807)
Collateral held under securities lending agreements	—	1,909,513	—	1,909,513
Investments valued using NAV as a practical expedient				18,107,643
Total Pension Master Trust at fair value	\$ 3,356,526	\$ 11,582,851	\$ —	\$ 33,047,020

<i>\$ in thousands</i>	2023			
	Level 1	Level 2	Level 3	Total
Cash equivalents and short-term investment fund	\$ 4,146	\$ 830,417	\$ —	\$ 834,563
U.S. and international equities	3,109,065	911	—	3,109,976
Fixed-income securities				
U.S. and non-U.S. government	—	4,095,108	—	4,095,108
Corporate debt	—	4,433,983	—	4,433,983
Asset-backed	—	435,625	—	435,625
High yield debt	—	19,875	—	19,875
Bank loans	—	14,978	—	14,978
Other assets	—	33,857	—	33,857
Derivatives	62,168	7,357	—	69,525
Collateral held under securities lending agreements	—	1,555,557	—	1,555,557
Investments valued using NAV as a practical expedient				18,050,588
Total Pension Master Trust at fair value	\$ 3,175,379	\$ 11,427,668	\$ —	\$ 32,653,635

Certain investments that are measured at fair value using NAV per share (or its equivalent) as a practical expedient are not required to be categorized in the fair value hierarchy tables. The total fair value of these investments is included in the tables above to permit reconciliation of the fair value hierarchy to amounts presented in the investments footnote (Note 3). As of December 31, 2024 and 2023, there were no investments expected to be sold at a value materially different than NAV.

Investments in certain equity and fixed-income funds, which include common/collective trust funds, and alternative investments, including hedge funds, opportunistic investments funds, private equity funds, real estate funds and private credit funds, are valued based on NAV derived by the investment managers, as a practical expedient, and are described further below.

U.S. and International Equities Funds

A subset of the funds in this asset class are structured as limited partnerships funds. Redemption periods are generally daily, monthly or quarterly with a notice requirement less than 90 days. As of December 31, 2024 and 2023, funds in this category with redemption periods longer than one year and with monthly or quarterly notice requirements totaled approximately \$1.8 billion and \$1.7 billion, respectively. As of December 31, 2024 and 2023, there were no unfunded commitments.

Fixed-Income Funds

A subset of this asset class consists of high yield fixed income investments which include a commingled fund. Redemption periods are generally daily, monthly or quarterly with a notice requirement of two days. As of December 31, 2024 and 2023, there were no unfunded commitments.

Hedge Funds

Hedge funds consist of closed-end funds with a 5-10 year life as well as funds that allow redemption requests subject to the liquidity limitations of the underlying investments. As of December 31, 2024 and 2023, unfunded commitments were \$5.5 million.

Opportunistic Investments Funds

Opportunistic investments funds consist of closed-end funds with a 5-10 year life as well as funds that allow redemption requests subject to the liquidity limitations of the underlying investments. As of December 31, 2024 and 2023, unfunded commitments were \$1.3 billion and \$1.6 billion, respectively.

Private Equity Funds

This asset class consists primarily of closed-end private equity funds, which invest across various fund types, including fund of funds, venture capital, buyouts, distressed and mezzanine debt. The term of each fund is typically 10 or more years and the fund's investors do not have an option to redeem their interest in the fund. The assets in this class have been diversified across vintage years, industry sectors and geographic regions. As of December 31, 2024 and 2023, unfunded commitments were \$1.6 billion and \$1.9 billion, respectively.

Real Estate Funds

This asset class consists primarily of open-end funds that generally allow investors to redeem their interests in the fund. A minor portion of the asset class is in closed-end real estate funds and infrastructure funds with terms that are typically 10 or more years. As of December 31, 2024 and 2023, there were open-end funds totaling approximately \$1.8 billion and \$2.2 billion, respectively, that permit investors to formally request redemptions. As of December 31, 2024 and 2023, unfunded commitments were \$24 million and \$28 million, respectively.

Private Credit Funds

This asset class consists of closed-end funds with a 5-10 year life as well as funds that allow redemption requests subject to the liquidity limitations of the underlying investments. As of December 31, 2024, unfunded commitments were \$0.7 billion.

5. DERIVATIVE FINANCIAL INSTRUMENTS

Derivative financial instruments may be used by the investment managers of the Pension Master Trust as part of their respective investment strategies. Derivative instruments may include exchange-traded futures contracts, interest rate swaps, options on futures and swaps, currency contracts, index futures, total return swaps and credit default swaps. Notional amounts do not quantify risk or represent assets or liabilities of the Pension Master Trust but are used in the calculation of cash settlements under the contracts.

Derivative financial instruments are recorded as assets or liabilities of the Pension Master Trust and measured at fair value. During 2024 and 2023, derivative financial instruments were not entered into for hedging purposes and therefore do not qualify for hedge accounting. The volume of derivative activity is commensurate with the amounts

disclosed at year-end. The notional amounts and fair values, by primary risk exposure, are presented as gross assets and liabilities as follows:

December 31, 2024				
<i>\$ in thousands</i>	Notional Amounts ⁽¹⁾	Fair Value Asset	Fair Value (Liability)	Fair Value Net
Interest rate contracts	\$ 7,761,791	\$ 51,510	\$ (90,138)	\$ (38,628)
Currency contracts ⁽²⁾	—	2,678	(1,179)	1,499
Equity contracts	583	3	(8)	(5)
Credit default swaps	1,382,185	29,156	(829)	28,327
Total	\$ 9,144,559	\$ 83,347	\$ (92,154)	\$ (8,807)

December 31, 2023				
<i>\$ in thousands</i>	Notional Amounts ⁽¹⁾	Fair Value Asset	Fair Value (Liability)	Fair Value Net
Interest rate contracts	\$ 4,728,021	\$ 154,784	\$ (88,538)	\$ 66,246
Currency contracts ⁽²⁾	—	1,213	(1,282)	(69)
Equity contracts	518	3	(2)	1
Credit default swaps	154,468	3,389	(42)	3,347
Total	\$ 4,883,007	\$ 159,389	\$ (89,864)	\$ 69,525

⁽¹⁾ Gross collateral under master netting agreements is not offset in the notional amounts presented above.

⁽²⁾ The majority of the notional value of currency contracts is related to options and forwards. Currency contracts include 103 and 41 forward contracts as of December 31, 2024 and 2023, respectively.

Gains/(losses) on derivative instruments in the Pension Master Trust for the years ended December 31, 2024 and 2023, are as follows:

<i>\$ in thousands</i>	2024	2023
Interest rate contracts	\$ (120,416)	\$ 21,618
Currency contracts	\$ 905	\$ (5,067)
Equity contracts	\$ 49	\$ 18,063
Credit default swaps	\$ 1,757	\$ 3,890

The related net gains and losses on derivatives are included in investment income for the Pension Master Trust, as a component of net appreciation/(depreciation) of investments (Note 3).

For each of the derivative instruments discussed below, the credit risk associated with these contracts is minimal, as they are entered into with a limited number of highly-rated counterparties or clearing organizations.

Interest Rate Contracts

The Pension Master Trust enters into futures contracts in the normal course of investing activities to manage market risk and to achieve overall investment portfolio objectives. These contracts involve elements of market risk in excess of amounts recognized in the statements of net assets available for benefits. These contracts are traded on organized exchanges, settled daily, and have terms which typically do not exceed one year. In the normal course of its investing activities, the Pension Master Trust also enters into interest rate contracts and option contracts on futures and swaps to manage the interest rate exposure associated with fixed-income securities. Notional amounts related to the futures and options contracts in the table above are stated at a net buy (sell) position.

Currency Contracts

The Pension Master Trust enters into currency contracts, primarily consisting of Eurodollar futures and forward contracts, in the normal course of investing activities to manage the exposure to currency risk associated with changes in market value due to the change in foreign currency exchange rates.

Equity Contracts

Equity contracts include total return swaps and index futures. The Pension Master Trust enters into total return swaps in the normal course of investing activities to manage the exposure to changes in the value of the underlying

assets. The Pension Master Trust gains exposure to the underlying assets without having to purchase the assets outright.

Credit Default Swaps

The Pension Master Trust enters into credit default swap contracts in the normal course of investing activities to manage the exposure to credit risk by either reducing risk exposure to a default of corporate and sovereign issuers, or to increase exposure to corporate and sovereign issuers to which it is not otherwise exposed.

Master Netting Agreements

In addition to the securities lending program described in Note 6, certain derivative financial instruments within the Pension Master Trust are subject to Master Netting Agreements (“MNAs”) with certain counterparties. MNAs govern the terms of certain transactions and reduce the counterparty risk associated with relevant transactions by specifying offsetting mechanisms and collateral posting arrangements at pre-determined exposure levels. MNAs are specific to each asset type. Therefore, they allow the company to close out and net its total exposure to a specified counterparty in the event of a default with respect to the transactions governed under a single agreement with the counterparty.

The following is a summary of the gross derivative fair value of the Pension Master Trust's exposure to derivative assets and liabilities with certain counterparties, summarized by investment manager, available for offset and net of collateral under MNAs at December 31, 2024 and 2023. The net amounts of derivative assets and liabilities shown below are included in the Plan interest in Pension Master Trust on the Statements of Net Assets Available for Pension Benefits.

\$ in thousands		Derivative Assets, Net as of December 31, 2024				
Counterparty	Gross Amounts of Recognized Assets	Gross Amounts Offset in the Statements of Net Assets Available for Pension Benefits	Net Amounts of Assets Presented in the Statements of Net Assets Available for Pension Benefits	Cash Collateral Received	Net Amount	
Counterparty A	\$ 210	\$ —	\$ 210	\$ —	\$ 210	
Counterparty B	3,142	(504)	2,638	(580)	2,058	
Derivatives subject to MNAs	3,352	(504)	2,848	(580)	2,268	
Derivatives not subject to MNAs	80,499	—	80,499	—	80,499	
Total fair value	\$ 83,851	\$ (504)	\$ 83,347	\$ (580)	\$ 82,767	
\$ in thousands		Derivative Liabilities, Net as of December 31, 2024				
Counterparty	Gross Amounts of Recognized Liabilities	Gross Amounts Offset in the Statements of Net Assets Available for Pension Benefits	Net Amounts of Liabilities Presented in the Statements of Net Assets Available for Pension Benefits	Cash Collateral Pledged	Net Amount	
Counterparty A	\$ (71)	\$ —	\$ (71)	\$ —	\$ (71)	
Counterparty B	(1,487)	504	(983)	52	(931)	
Derivatives subject to MNAs	(1,558)	504	(1,054)	52	(1,002)	
Derivatives not subject to MNAs	(91,100)	—	(91,100)	—	(91,100)	
Total fair value	\$ (92,658)	\$ 504	\$ (92,154)	\$ 52	\$ (92,102)	
Net fair value	\$ (8,807)	\$ —	\$ (8,807)	\$ (528)	\$ (9,335)	

\$ in thousands

Derivative Assets, Net as of December 31, 2023

Counterparty	Gross Amounts of Recognized Assets	Gross Amounts Offset in the Statements of Net Assets Available for Pension Benefits	Net Amounts of Assets Presented in the Statements of Net Assets Available for Pension Benefits	Cash Collateral Received	Net Amount
Counterparty A	\$ 42	\$ (37)	\$ 5	\$ —	\$ 5
Counterparty B	3,444	(546)	2,898	(2,156)	742
Derivatives subject to MNAs	3,486	(583)	2,903	(2,156)	747
Derivatives not subject to MNAs	156,486	—	156,486	—	156,486
Total fair value	\$ 159,972	\$ (583)	\$ 159,389	\$ (2,156)	\$ 157,233

\$ in thousands

Derivative Liabilities, Net as of December 31, 2023

Counterparty	Gross Amounts of Recognized Liabilities	Gross Amounts Offset in the Statements of Net Assets Available for Pension Benefits	Net Amounts of Liabilities Presented in the Statements of Net Assets Available for Pension Benefits	Cash Collateral Pledged	Net Amount
Counterparty A	\$ (183)	\$ 37	\$ (146)	\$ —	\$ (146)
Counterparty B	(1,557)	546	(1,011)	300	(711)
Derivatives subject to MNAs	(1,740)	583	(1,157)	300	(857)
Derivatives not subject to MNAs	(88,707)	—	(88,707)	—	(88,707)
Total fair value	\$ (90,447)	\$ 583	\$ (89,864)	\$ 300	\$ (89,564)
Net fair value	\$ 69,525	\$ —	\$ 69,525	\$ (1,856)	\$ 67,669

6. THIRD PARTY BORROWINGS

The Pension Master Trust participates in a securities lending program with the Trustee (“lending agent”). The program allows the lending agent to loan securities held by the Pension Master Trust to approved borrowers. Such assets could be subject to sale restrictions in the event security lending agreements are terminated and the securities have not been returned to the Pension Master Trust. The lending agent requires borrowers, pursuant to a security loan agreement, to deliver collateral to secure each loan. The collateral required is 102 percent of the fair value of U.S. securities borrowed and 105 percent for foreign securities borrowed. The Pension Master Trust bears the risk of loss with respect to the unfavorable change in fair value of the invested cash collateral. However, the borrower bears the risk of loss related to the decrease in the fair value of the securities collateral and, therefore, may have to deliver additional cash or securities to maintain the required collateral. In U.S. markets, the lending agent generally enters into a netting arrangement with a borrower, which permits the netting of mark-to-market exposure for transactions within the lending program with that borrower. Such arrangements would cover lending transactions with the borrower and reverse repurchase agreements of cash collateral involving investment of the collateral. The lending agent may also negotiate a right of offset in the event of borrower default. In the event of borrower default, the lending agent indemnifies the Pension Master Trust against any loss of the amount loaned. As of December 31, 2024, cash and non-cash collateral associated with securities on loan totaled approximately \$1.6 billion and \$0.3 billion, respectively. As of December 31, 2023, cash and non-cash collateral associated with securities on loan totaled approximately \$1.5 billion and \$12.6 million, respectively. All collateral is presented as Level 2 in the fair value hierarchy as it is held by the lending agent and not readily available for trading.

Pension Master Trust assets on loan to third-party borrowers under securities lending agreements as of December 31, 2024 and 2023 are as follows:

<i>\$ in thousands</i>	2024	2023
U.S. equities	\$ 37,182	\$ 10,860
International equities	10,817	6,084
Fixed-income securities		
U.S. and non-U.S. government	1,534,728	1,365,342
Corporate debt	282,298	130,850
High yield debt	79	—
Pension Master Trust assets on loan to third-party borrowers	\$ 1,865,104	\$ 1,513,136

7. ACTUARIAL PRESENT VALUE OF ACCUMULATED PLAN BENEFITS

Accumulated plan benefits are those future periodic payments, including lump-sum distributions, under the Plan's provisions attributable to service rendered by employees as of the valuation date. Accumulated plan benefits include benefits expected to be paid to (1) retired or terminated employees or their beneficiaries, (2) beneficiaries of employees who have died, and (3) present employees or their beneficiaries.

The actuarial present value of accumulated plan benefits is calculated by Willis Towers Watson, the Plan's independent enrolled actuary, and is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements, such as for death, disability, withdrawal or retirement) between the valuation date and the expected date of payment.

The actuarial present value of accumulated plan benefits presented in the accompanying financial statements is presented using the beginning of the year benefit information date. The actuarial present value of accumulated plan benefits information is measured as of January 1, 2024, which is a proxy for December 31, 2023. The effect of Plan amendments on accumulated plan benefits is recognized during the year in which such amendments are adopted. There were no amendments effective January 1 recognized in the actuarial present value of accumulated plan benefits. Had the valuations been performed as of December 31, there would be no material differences.

Significant assumptions used in the valuations as of December 31, 2023 and 2022, are as follows:

	2023	2022
Discount rate on actuarial present value of accumulated plan benefits	7.0% per annum, compounded annually	7.0% per annum, compounded annually
Cash balance crediting rate	4.02% for all years.	3.96% and decreasing by 0.02% per year until reaching an ultimate rate of 3.88% in 2027.
Mortality table for participants	Benefit weighted PRI-2012 White Collar Mortality Tables generationally projected using Scale MP-2021 with 50% of Society of Actuaries' gradual phase-in factors with generational projection.	Benefit weighted PRI-2012 White Collar Mortality Tables generationally projected using Scale MP-2021 with 50% of Society of Actuaries' gradual wear-off factors for 2023 through 2029 with generational projection.
Assumed weighted average retirement age	64	64

These assumptions include provisions for early retirement and employee turnover. The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

8. FUNDING POLICY

The Company uses the Plan's independent enrolled actuary to determine the amounts to be contributed each year to the Plan. The Plan's minimum funding requirements of ERISA were met for the years ended December 31, 2024 and 2023.

The Plan's funding policy takes into consideration both current liability, an actuarial present value of accumulated plan benefits with discount rates as determined by law, and the Actuarial Accrued Liability ("AAL") in order to calculate both the minimum contribution required by ERISA and the maximum deductible contribution for Company tax purposes. AAL is measured using an actuarial cost method qualified by the Internal Revenue Service ("IRS"), and a discount rate determined in consultation with our Plan actuary.

The minimum annual contribution for a given year is the sum of (1) the normal cost for that year and (2) an amount sufficient to amortize the unfunded actuarial liability over a specified period. Contributions are subject to a full funding limit prescribed by law.

9. PLAN TERMINATION

Although it has not expressed any intention to do so, the Company has the right under the Plan provisions to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in ERISA. In the event of the Plan's termination, the net assets of the Plan will be allocated for payment of plan benefits to the participants in an order of priority determined in accordance with ERISA, applicable regulations thereunder, and the Plan document. No assets of the Plan may revert to the Company until all benefit liabilities of the Plan have been satisfied.

Certain benefits under the Plan are insured by the Pension Benefit Guaranty Corporation ("PBGC") if the Plan terminates. Generally, the PBGC guarantees most vested normal retirement age benefits, early retirement benefits, and certain disability and survivor's pensions. However, the PBGC does not guarantee all types of benefits under the Plan, and the amount of benefit protection is subject to certain limitations. Vested benefits under the Plan are guaranteed at the level in effect on the date of the Plan's termination.

Whether all participants receive their full benefits should the Plan terminate at some future time will depend on the sufficiency, at that date, of the Plan's net assets to provide for accumulated benefit obligations and may also depend on the financial condition of the Plan Sponsor and the level of benefits guaranteed by the PBGC.

10. EXEMPT PARTY-IN-INTEREST TRANSACTIONS

The Pension Master Trust utilizes various investment managers to manage its net assets. These net assets may be invested into funds or separate accounts managed by the investment managers. Therefore, these transactions qualify as exempt party-in-interest transactions. In Plan management's opinion, fees paid during the years ended December 31, 2024 and 2023, for services rendered by parties-in-interest were based upon customary and reasonable rates for such services.

11. FEDERAL INCOME TAX STATUS

The Plan obtained its latest determination letter dated May 13, 2021, in which the IRS determined that the Plan's terms at the time of the determination letter application were in compliance with applicable sections of the Code and, therefore, is exempt from taxation. In December 2016, the IRS began publishing a Required Amendments List for individually designed plans which specifies changes in qualification requirements. The list is published annually and requires plans to be amended for each item on the list, as applicable, to retain its tax exempt status. GAAP requires Plan management to evaluate tax positions taken by the Plan and recognizes a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the applicable authorities. The Plan is subject to routine audits by taxing jurisdictions. However, there are no audits for any tax periods in progress. Plan management believes the Plan and the Pension Master Trust are currently designed and operating in compliance with the applicable requirements of the Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

12. SUBSEQUENT EVENTS

In preparing the financial statements for the year ended December 31, 2024, subsequent events were evaluated through October 3, 2025, the date the financial statements were available to be issued. No events occurred that require additional disclosure or adjustments to the statements of net assets available for benefits, benefit obligations or changes thereof.

Schedule SB, Part V

Summary of Plan Provisions

Plan Provisions

The original effective dates of this plan were:

<u>Predecessor Plan</u>	<u>Effective Date</u>
Litton Industries, Inc. Retirement Plan A (LRP A)	March 1, 1959
Litton Industries, Inc. Retirement Plan B (LRP B)	March 1, 1959

The plan was restated effective January 1, 2020.

The most recent plan amendment reflected herein is the amendment to address the spin-off of assets and liabilities into this plan for certain retirees in-pay status effective December 31, 2020 for specified monthly annuity payments scheduled to be paid on and after January 1, 2021.

Coverage and Participation

Covered employees include those employed as of July 1, 2003 and new hires after July 1, 2003 by entities 76 and 78 (formerly 212), 122, 165, 198/9, 200, 201, 203, 205, 206, 207, 208, 209, 210, 232 and 416. The cash balance plan for which an employee is eligible to participate in is determined based on the Plan Assignment Unit, as defined in the Plan document, to which the employee is originally assigned. In general, an employee's accrued benefits will remain subject to the original cash balance plan for the duration of employment. Component Technologies sector employees and certain non-resident aliens receive the historical plan benefits only.

The plan was closed to new participants effective July 1, 2008.

The participation date is the date of hire, but not earlier than the date on which the Litton Company or Division adopted this Plan.

Definitions

Vesting service	One year for each 1,000 hour calendar year of employment.
Credited service	Completed years and months of service from date of hire. Employees are credited with one month of service for each month in which an employee works at least one day.
Benefit credit account	Each month, the Company adds a "pay credit" to this account, according to the Eligible Pay earned that month, years of service, and age as of the beginning of the month. If the participant was an employee as of July 1, 2003, then he/she will receive, at a minimum, the historical plan benefit for the five year period beginning July 1, 2003. The Company also adds an "interest credit" each month.
Points	The sum of years of service and age at the beginning of each month.

Plan Name: Northrop Grumman Retirement Plan B
 EIN / PN: 80-0640649/041
 Plan Sponsor: Northrop Grumman Corporation
 Valuation Date: January 1, 2024

Pay credits

Prior to July 1, 2008:

% Eligible Pay		
Points	All Pay	Pay > SSWB
< 25	4.5%	4.5%
25 - 34	5.0%	4.5%
35 - 44	5.5%	4.5%
45 - 54	6.0%	4.5%
55 - 64	6.5%	4.5%
65 - 74	7.0%	4.5%
75 - 84	7.5%	4.5%
> 85	8.0%	4.5%

Post July 1, 2008:

% Eligible Pay		
Points	All Pay	Pay > SSWB*
< 25	3.5%	4.0%
25 - 34	4.0%	4.0%
35 - 44	4.5%	4.0%
45 - 54	5.0%	4.0%
55 - 64	5.5%	4.0%
65 - 74	6.5%	4.0%
75 - 84	7.5%	4.0%
> 85	9.0%	4.0%

* Effective January 1, 2013, credits for pay over the Social Security wage base were eliminated.

Interest credits

The interest contributed at the end of each month is based on the 30-year Treasury Bond rate in effect four months prior to the crediting month, subject to a minimum of 2.25%. This amount is added to the account monthly, based on the prior month's ending balance.

Normal form of benefit

Single employees receive monthly benefits for life. For married employees, the pension benefits are actuarially reduced to provide a 50% contingent annuitant annuity with the spouse as beneficiary.

Normal retirement date (NRD)

Normal Retirement Date (NRD): The first day of the month coinciding with or next following the later of a participant's 65th birthday, or the earlier of (A) and (B).

- (A) the fifth anniversary of the date the employee becomes a participant
- (B) the date the employee completes three years of vesting service

Eligibility for Benefits**Normal retirement**

Attainment of NRD.

Plan Name: Northrop Grumman Retirement Plan B
 EIN / PN: 80-0640649/041
 Plan Sponsor: Northrop Grumman Corporation
 Valuation Date: January 1, 2024

Early retirement	Attainment of age 55 and completion of ten (10) years of vesting service.
Vested termination	Termination for reasons other than death or retirement after completing three years of vesting service.
Disability	The date on which the participant reaches early or normal retirement age following termination of employment due to disability and while receiving disability income benefits from a company plan.
Preretirement death benefit	Death while eligible for normal, early, postponed or deferred vested retirement benefits, with a surviving spouse.

Benefits Paid Upon the Following Events

Normal retirement	Benefit credit account balance at NRD divided by 9.
Late retirement	Benefit credit account balance at the date of postponed retirement divided by 9.
Early retirement	Benefit credit account balance at ERD divided by the applicable factor from the table below:

Age	Factor	Age	Factor
55	11.50	60	10.25
56	11.25	61	10.00
57	11.00	62	9.75
58	10.75	63	9.50
59	10.50	64	9.25

The factor for participants on July 1, 2003 who were born prior to July 1, 1958 is 9.

Vested termination	Benefit credit account balance at commencement divided by the applicable factor below:
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Age	Factor	Age	Factor
55	19.00	60	14.00
56	18.00	61	13.00
57	17.00	62	12.00
58	16.00	63	11.00
59	15.00	64	10.00

Disablement	Pension benefit determined as of the participant's actual retirement date (either early or normal retirement). An employee will continue to receive pay credits for up to two years while the participant remains disabled. Interest credits continue to the date the participant chooses to retire.
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Plan Name: Northrop Grumman Retirement Plan B
 EIN / PN: 80-0640649/041
 Plan Sponsor: Northrop Grumman Corporation
 Valuation Date: January 1, 2024

Preretirement death	100% of the normal or early retirement benefit, based on the Benefit Credit Account as of the later of the employee's date of death or the participant's earliest retirement date. Preretirement spouse's benefit is payable at the earliest date the participant would have been able to retire. The spouse's benefit shall commence at the first of the month following date of death if the participant was eligible for early retirement at the date of death.
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Other Plan Provisions

Optional forms of retirement income in lieu of normal form	The Plan provides the qualified Joint and 50% Contingent benefit for married employees on an actuarially equivalent basis and: a. Joint and Survivor (50%, 75% or 100%) where the reduced 50% option is the normal form under the plan for employees with qualifying spouses. b. 10-year certain and continuous option. c. Straight Life Annuity. d. Level Income Annuity. e. Lump Sum: If the annual early retirement benefit is less than \$5,000. f. Optional Total Benefit. If the present value of the total combined accrued benefits is equal or less than \$50,000.
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Historical Plan Provisions

Compensation	Prior to July 1, 2003, Compensation included all W-2 pay plus elective contributions under Code §125 and §402(e)(3).
Social Security benefit	The projected amount of the participant's primary Social Security benefit according to the law in effect at the date of determination, with missing earnings determined as follows: zero future earnings, prior earnings regressed with the indexed wage base. For employees who participated in LRP B, the Social Security Benefit under the final average earnings formula will be based on future earnings continuing at their current rate and prior earnings are discounted back at 6%. Social Security Benefit is frozen at the earlier of termination, transfer or June 30, 2008.
Deferred vested	Termination after two or more years of vesting service. Benefits are 50% vested after 2 years of service and 100% vested after 3 years of service.
Early retirement eligibility	Participants can retire (and receive their benefits accrued through June 30, 2008) on the first of the month after age 55 with 5 or more years of vesting service.

Plan Name: Northrop Grumman Retirement Plan B
 EIN / PN: 80-0640649/041
 Plan Sponsor: Northrop Grumman Corporation
 Valuation Date: January 1, 2024

Early retirement benefit	Monthly pension benefit determined as of ERD reduced by $\frac{1}{2}\%$ for each full month the ERD precedes age 62. If the employee has attained age 60 and has attained at least 80 points (age plus service), the benefit is unreduced. For Itek Optical Systems retirees, a $\frac{1}{4}\%$ reduction per month prior to age 65 is applied to the benefit accrued under the final average earnings formula, and a $\frac{1}{2}\%$ reduction per month prior to age 62 is applied to the other benefit formulas.
Normal retirement age	Age 65
Postponed retirement benefit	Monthly pension benefit determined as of actual retirement date, but not less than the actuarial equivalent of the benefit accrued to the end of the prior calendar year, if older than age 70.5.
Lump sum death benefit	LRPB: For Litton Precision Gear Division, a lump sum benefit of \$5,000 is payable to the participant's beneficiary in addition to the monthly pre-retirement spouse's benefit. This death benefit is reduced to \$1,500 if a participant at this division dies on or after the first anniversary of his retirement.
LRP A Pension benefit	Monthly pension benefit is the greater of (A) and (B) described below: (A) 60% of the participant's employee contributions to the Plan and Part I deposits less the annuity equivalent of the Part I deposits accumulated with interest. (B) 85% of the participant's employee contributions to the Plan and Part I deposits reduced by 75% of the participant's estimated annual benefit payable under the Social Security Act (payable at age 65) less the annuity equivalent of the Part I deposits accumulated with interest. For Participants employed with the following companies at their effective dates, the minimum benefit described below shall apply: • Erie Marine, Inc., all employees • Litton Saudi Arabia Ltd., all U.S. citizen employees • Litton Italia, S.P.A., all U.S. citizen employees • Litton Worldwide Services, Inc., Aero Products Division, all employees Minimum benefit: \$84 times the number of years of service.

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LRP B Pension benefit

Pension benefit is the greater of (A) and (B) described below:

- (A) 60% of the participant's employee contributions to the Plan and Part I deposits less the annuity equivalent of the Part I deposits accumulated with interest.
- (B) 85% of the participant's employee contributions to the Plan and Part I deposits reduced by 75% of the participant's estimated annual benefit payable under the Social Security Act (payable at age 65) less the annuity equivalent of the Part I deposits accumulated with interest.

For Participants employed with the following Companies at their effective dates:

- Litton Computer Services (Litton Enterprise Solutions) located at Lexington, MA
- Litton Systems, Inc., Litton Applied Technology Division
- Litton Worldwide Services, Inc., Applied Technology Division

Pension benefit is equal to the greater of (A) and (B) described above, plus (C), but not less than the greater of (D) and (E) described below:

- (C) As of January 31, 1991, 1-2/3% of the participant's Final Average Earnings in excess of his estimated annual benefit payable under the Social Security Act (payable at age 65) multiplied by the number of years of service, up to a maximum of 30.
- (D) As of September 30, 1997, 1-2/3% of the participant's Final Average Earnings in excess of his estimated annual benefit payable under the Social Security Act (payable at age 65) multiplied by the number of years of service, up to a maximum of 30.
- (E) \$120 times the number of years of service through September 30, 1997, up to a maximum of 30.

For participants employed with Litton Services, Inc., Itek Optical Systems at April 1, 1991, pension benefit is as described above except (C) is replaced by:

- (F) As of March 31, 1991, 1-2/3% of the participant's Final Average Earnings in excess of his estimated annual benefit payable under the Social Security Act (payable at age 65) multiplied by the number of years of service, up to a maximum of 30.

For Participants employed with the following Companies at their effective dates, the minimum benefit described below shall apply:

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- Litton Industries, Inc., Corporate Office
- Litton Systems, Inc., Guidance & Control Systems Division
- Litton Computer Services, Aero Products, Data Systems Division and Systems Marketing Corporate Subdivision

Minimum benefit: \$84 times the number of years of service

For Participants employed by Litton Systems, Inc., Clifton Division and Litton Special Devices Division at their effective dates, the minimum benefit is \$60 times the number of years of service.

Preretirement spouse benefit

If death occurs after the participant's early retirement date, the benefit paid to the spouse is equal to the accrued benefit earned through June 30, 2008 (or at the date of death, if earlier) adjusted for early retirement at the age of death, and for the 100% contingent annuitant option.

If death occurs prior to the participant's early retirement date, the benefit paid to the spouse is deferred to the first of the month coincident to or next following the date the participant would have reached his/her early retirement date, is equal to the accrued benefit earned through June 30, 2008 (or at the date of death, if earlier) adjusted for early retirement at his/her early retirement date and for the 100% contingent annuitant option.

Forms of payment

For benefits earned through June 30, 2008:

If, upon death of the participant, the sum of annual benefits paid to the participant is less than the value of the employee contributions, the payments will continue to a beneficiary until the sum of the payments reach the amount of employee contributions accrued with interest.

Provisions of plans spun off to HII that had participants who stayed with Northrop Grumman Corporation

Plan provisions for the Newport News Shipbuilding, Inc. Pension Plan, Newport News Operations Pension Plan for Employees Covered by the United Steelworkers Local 8888 Collective Bargaining Agreement, Newport News Operations Pension Plan for Employees Covered by the Security, Police, and Fire Professionals of America Local 451 Collective Bargaining Agreement, Avondale Industries Inc. Pension Plan, and Ingalls Shipbuilding, Inc. Hourly Employees' Pension Plan can be found in the 2011 actuarial valuation reports for these plans.

Future Plan Changes

WTW is not aware of any future plan changes that are required to be reflected in this valuation.

Changes in Benefits Valued Since Prior Year

There have been no changes in benefits valued since the prior valuation.

Plan Name: Northrop Grumman Retirement Plan B
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Northrop Grumman Norden Systems Employee Retirement Plan

Plan Provisions

The plan was restated as of January 1, 2017.

Coverage and Participation Employees hired or rehired after July 1, 2008, with certain exceptions, are not eligible to participate in the plan.

Definitions

Vesting service One year for each 1,000 hour calendar year of employment.

Credited service (used for cash balance formula) Prior to July 1, 2003, years of credited service are equal to the number of years and months of vesting service. Beginning July 1, 2003, one month of credited service is earned for each month a participant is classified as active on the company payroll files.

Benefit credit account Each month, the Company adds a “pay credit” to this account, according to the eligible pay earned that month, credited service, and age as of the beginning of the month. If the participant was an employee as of July 1, 2003, then they will receive, at a minimum, the historical plan benefit for the five year period beginning July 1, 2003.

The Company also adds an “interest credit” each month.

Points The sum of credited service and age at the beginning of the month.

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Pay credits

Prior to July 1, 2008:

% Eligible Pay		
Points	All Pay	Pay > SSWB
< 25	4.5%	4.5%
25 - 34	5.0%	4.5%
35 - 44	5.5%	4.5%
45 - 54	6.0%	4.5%
55 - 64	6.5%	4.5%
65 - 74	7.0%	4.5%
75 - 84	7.5%	4.5%
> 85	8.0%	4.5%

Post July 1, 2008:

% Eligible Pay		
Points	All Pay	Pay > SSWB*
< 25	3.5%	4.0%
25 - 34	4.0%	4.0%
35 - 44	4.5%	4.0%
45 - 54	5.0%	4.0%
55 - 64	5.5%	4.0%
65 - 74	6.5%	4.0%
75 - 84	7.5%	4.0%
> 85	9.0%	4.0%

* Effective January 1, 2013, credits for pay over the Social Security wage base were eliminated.

Interest credit

The interest contributed at the end of each month is based on the 30-year Treasury Bond rate in effect four months prior to the crediting month, subject to a minimum of 2.25%. This amount is added to the benefit credit account monthly, based on the prior month's ending balance.

Eligibility for Benefits

Normal retirement

Normal Retirement Date (NRD): The first day of the month coinciding with or next following the later of a participant's 65th birthday, or the earlier of (A) and (B).

(A) the fifth anniversary of the date the employee becomes a participant

(B) the date the employee completes three years of vesting service

Plan Name: Northrop Grumman Retirement Plan B
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Early retirement	Attainment of age 55 and completion of ten (10) years of vesting service.
Vested termination	Termination for reasons other than death or retirement after completing three years of vesting service.
Disability	The date on which the participant reaches early or normal retirement age following termination of employment due to disability and while receiving disability income benefits from a company plan.
Preretirement death benefit	Death while eligible for normal, early, postponed, or vested termination benefits, with a surviving spouse.

Benefits Paid Upon the Following Events

Normal retirement	Benefit credit account at NRD divided by 9.
Late retirement	Benefit credit account at the date of postponed retirement divided by 9.
Early retirement	Benefit credit account at ERD divided by the appropriate factor from the table below:

Age	Factor	Age	Factor
55	11.50	60	10.25
56	11.25	61	10.00
57	11.00	62	9.75
58	10.75	63	9.50
59	10.50	64	9.25

For participants who were active at June 30, 2003, the factor is 9 for all ages.

Vested termination	Benefit credit account at commencement divided by the applicable factor below:
---------------------------	--

Age	Factor	Age	Factor
55	19.00	60	14.00
56	18.00	61	13.00
57	17.00	62	12.00
58	16.00	63	11.00
59	15.00	64	10.00

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Disablement Pension benefit determined as of the participant's actual retirement date (either early or normal retirement). An employee will continue to receive pay credits for up to two years while the participant remains disabled. Interest credits continue to the date the participant chooses to retire.

Preretirement death 100% of the normal or early retirement benefit, based on the Benefit Credit Account as of the later of the employee's date of death or the participant's earliest retirement date. Preretirement spouse's benefit is payable at the earliest date the participant would have been able to retire. The spouse's benefit shall commence at the first of the month following date of death if the participant was eligible for early retirement at the date of death.

Other Plan Provisions

Optional forms of retirement income in lieu of normal form

- a. Joint and Survivor (50%, 75% or 100%) where the reduced 50% option is the normal form under the plan for employees with qualifying spouses.
- b. 10-year certain and continuous option.
- c. Straight Life Annuity.
- d. Level Income Annuity.
- e. Lump Sum: If the annual early retirement benefit is less than \$5,000.
- f. Optional Total Benefit. If the present value of the total combined accrued benefits is equal or less than \$50,000.

Plan Name: Northrop Grumman Retirement Plan B
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Historical Plan Provisions – Norden Non-Represented Heritage Benefit Plan

Definitions

Credited service (used for the Norden Non-Represented Heritage Benefit Formula) Prior to July 1, 2003, service is credited for the number of months during which an employee is a participant in this plan on or after June 1, 1994. For some purposes, credited service earned before June 1, 1994 is included. For periods on or after July 1, 2003, service is credited each month the participant is classified as active on the company payroll files. Credited service for the heritage benefit ceases at June 30, 2008.

UTC service Service earned under the United Technologies Corporation Employee Retirement Plan between January 1, 1978 and May 31, 1994.

Final average earnings The five consecutive annualized years of compensation that produces the highest annual average (highest consecutive five out of the last ten years prior to 2006).

Effective December 31, 2014, eligible pay for determining the final average pay benefit is frozen.

Social Security covered compensation The average of the 35 consecutive years of social security wage base ending with the year of the employee's social security normal retirement age.

Norden Non-Represented Heritage Benefit Formula The greatest of amount under 1., 2., or 3. below.

1. (a) plus (b) minus (c)
 - (a) 2% times final average earnings times credited service up to 20 years *.
 - (b) 1% times final average earnings times credited service in excess of 20 years *.
 - (c) 0.4% times the lesser of final average earnings and social security covered compensation times credited service up to 33-1/3 years *.

* Service cap is Reduced by UTC service
2. 1% times final average earnings times credited service.
3. \$360 times credited service.

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Benefits Paid Upon the Following Events

Normal retirement benefits for participants as of June 30, 2003

The greater of [(a + b) and (c + d)]

- (a) The Heritage benefit formula using credited service through June 30, 2003.
- (b) The benefit credit account with accumulations beginning July 1, 2003, as of the normal retirement date divided by 9.
- (c) The Heritage benefit formula using credited service through June 30, 2008.
- (d) The benefit credit account with accumulations beginning July 1, 2008, as of the normal retirement date divided by 9.

Early retirement benefits from active employment for participants as of June 30, 2003 (employee must be continuously employed through early retirement)

The greater of [(a + b) and (c + d)]

- (a) The Heritage benefit formula using credited service through June 30, 2003, reduced by 2.40% for each year that early retirement precedes age 62.
- (b) The benefit credit account with accumulations beginning July 1, 2003, as of the early retirement date divided by 9.
- (c) The Heritage benefit formula using credited service through June 30, 2008, reduced by 2.40% for each year that early retirement precedes age 62.
- (d) The benefit credit account with accumulations beginning July 1, 2008, as of the early retirement date divided by 9.

Early retirement benefits from vested deferred status for participants as of June 30, 2003

The greater of [(a + b) and (c + d)]

- (a) The Heritage benefit formula using credited service through June 30, 2003 and reduced as follows:

If the participant terminated employment after attaining age 55 with 10 years of vesting service or age 50 with points of 65 or greater, the reduction is 2.40% for each year that early retirement precedes age 62.

Otherwise, the reduction is 5.0% for each year that early retirement precedes age 65.

- (b) The benefit credit account with accumulations beginning July 1, 2003, as of the retirement date divided by a conversion factor as shown below:

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Age	Factor
55	19.00
56	18.00
57	17.00
58	16.00
59	15.00
60	14.00
61	13.00
62	12.00
63	11.00
64	10.00
65	9.00

However, if the participant terminates on or after attaining age 55 with 10 years of vesting service, the conversion factor shall be 9.

- (c) The Heritage benefit formula using credited service through June 30, 2008 and reduced as follows:

If the participant terminated employment after attaining age 55 with 10 years of vesting service or age 50 with points of 65 or greater, the reduction is 2.40% for each year that early retirement precedes age 62.

Otherwise, the reduction is 5.0% for each year that early retirement precedes age 65.

- (d) The benefit credit account with accumulations beginning July 1, 2008, as of the early retirement date divided by a conversion factor as shown in (b) above. However, if the participant terminates on or after attaining age 55 with 10 years of vesting service, the conversion factor shall be 9.

Future Plan Changes

WTW is not aware of any future plan changes that are required to be reflected in this valuation.

Changes in Benefits Valued Since Prior Year

There have been no changes in benefits valued since the prior valuation.

Plan Name: Northrop Grumman Retirement Plan B
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Plan Sponsor: Northrop Grumman Corporation
Valuation Date: January 1, 2024

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Northrop Grumman Norden Systems Represented Employee Retirement Plan

Plan Provisions

The plan was restated as of January 1, 2017.

Coverage and Participation Employees hired or rehired after July 1, 2008, with certain exceptions, are not eligible to participate in the plan.

Definitions

Vesting service One year for each 1,000 hour calendar year of employment.

Credited service (used for cash balance formula) Prior to January 1, 2004, years of credited service are equal to the number of years and months of vesting service. Beginning January 1, 2004, one month of credited service is earned for each month a participant is classified as active on the company payroll files.

Benefit credit account Each month, the Company adds a "pay credit" to this account, according to the eligible pay earned that month, credited service, and age as of the beginning of the month. If the participant was an employee as of January 1, 2004, then they will receive, at a minimum, the historical plan benefit for the five year period beginning January 1, 2004.

The Company also adds an "interest credit" each month.

Points The sum of credited service and age at the beginning of the month.

Pay credits Prior to July 1, 2008:

% Eligible Pay		
Points	All Pay	Pay > SSWB
< 25	4.5%	4.5%
25 - 34	5.0%	4.5%
35 - 44	5.5%	4.5%
45 - 54	6.0%	4.5%
55 - 64	6.5%	4.5%
65 - 74	7.0%	4.5%
75 - 84	7.5%	4.5%
> 85	8.0%	4.5%

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Post July 1, 2008:

% Eligible Pay		
Points	All Pay	Pay > SSWB*
< 25	3.5%	4.0%
25 - 34	4.0%	4.0%
35 - 44	4.5%	4.0%
45 - 54	5.0%	4.0%
55 - 64	5.5%	4.0%
65 - 74	6.5%	4.0%
75 - 84	7.5%	4.0%
> 85	9.0%	4.0%

* Effective January 1, 2013, credits for pay over the Social Security wage base were eliminated.

Interest credit

The interest contributed at the end of each month is based on the 30-year Treasury Bond rate in effect four months prior to the crediting month, subject to a minimum of 2.25%. This amount is added to the benefit credit account monthly, based on the prior month's ending balance.

Eligibility for Benefits

Normal retirement

Normal Retirement Date (NRD): The first day of the month coinciding with or next following the later of a participant's 65th birthday, or the earlier of (A) and (B).

- (A) the fifth anniversary of the date the employee becomes a participant
- (B) the date the employee completes three years of vesting service

Early retirement

Attainment of age 55 and completion of ten (10) years of vesting service.

Vested termination

Termination for reasons other than death or retirement after completing three years of vesting service.

Disability

The date on which the participant reaches early or normal retirement age following termination of employment due to disability and while receiving disability income benefits from a company plan.

Preretirement death benefit

Death while eligible for normal, early, postponed, or vested termination benefits, with a surviving spouse.

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Benefits Paid Upon the Following Events

Normal retirement Benefit credit account at NRD divided by 9.

Late retirement Benefit credit account at the date of postponed retirement divided by 9.

Early retirement Benefit credit account at ERD divided by the appropriate factor from the table below:

Age	Factor	Age	Factor
55	11.50	60	10.25
56	11.25	61	10.00
57	11.00	62	9.75
58	10.75	63	9.50
59	10.50	64	9.25

For participants who were active at December 31, 2003, the factor is 9 for all ages.

Vested termination Benefit credit account at commencement divided by the applicable factor below:

Age	Factor	Age	Factor
55	19.00	60	14.00
56	18.00	61	13.00
57	17.00	62	12.00
58	16.00	63	11.00
59	15.00	64	10.00

Disablement Pension benefit determined as of the participant's actual retirement date (either early or normal retirement). An employee will continue to receive pay credits for up to two years while the participant remains disabled. Interest credits continue to the date the participant chooses to retire.

Preretirement death 100% of the normal or early retirement benefit, based on the Benefit Credit Account as of the later of the employee's date of death or the participant's earliest retirement date. Preretirement spouse's benefit is payable at the earliest date the participant would have been able to retire. The spouse's benefit shall commence at the first of the month following date of death if the participant was eligible for early retirement at the date of death.

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Other Plan Provisions

Optional forms of retirement income in lieu of normal form

- a. Joint and Survivor (50%, 75% or 100%) where the reduced 50% option is the normal form under the plan for employees with qualifying spouses.
- b. 10-year certain and continuous option.
- c. Straight Life Annuity.
- d. Level Income Annuity.
- e. Lump Sum: If the annual early retirement benefit is less than \$5,000.
- f. Optional Total Benefit. If the present value of the total combined accrued benefits is equal or less than \$50,000.

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Historical Plan Provisions – Norden Represented Heritage Benefit Plan

Definitions

Credited service (used for the Norden Represented Heritage Benefit Formula) Prior to January 1, 2004, service is credited for the number of months during which an employee is a participant in this plan on or after June 1, 1994. For some purposes, credited service earned before June 1, 1994 is included. For periods on or after January 1, 2004, service is credited each month the participant is classified as active on the company payroll files. Credited service for the heritage benefit ceases at December 31, 2008.

Final average earnings The five consecutive annualized years of compensation that produces the highest annual average (highest consecutive five out of the last ten years prior to 2006). Effective December 31, 2014, eligible pay for determining the final average pay benefit is frozen.

Norden Represented Heritage Benefit Formula Years of credited service multiplied by the benefit multiplier from the following table. Final average earnings are determined at date of termination and are indexed.

Final Average Earnings	Benefit Multiplier
Less than \$27,000	\$29.50
\$27,000 - \$27,999	30.50
\$28,000 - \$28,999	31.50
\$29,000 - \$29,999	32.50
\$30,000 - \$30,999	33.50
\$31,000 - \$31,999	34.50
\$32,000 - \$32,999	35.50
\$33,000 - \$36,999	36.50
\$37,000 - \$40,999	37.50
\$41,000 - \$43,999	38.50
\$44,000 - \$44,999	38.75
\$45,000 - \$46,999	38.75
\$47,000 - \$48,999	39.00
\$49,000 - \$49,999	39.00
\$50,000 - \$52,999	39.25
\$53,000 - \$55,999	39.50
\$56,000 - \$59,999	39.75
\$60,000 and Over	40.00

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**Normal retirement benefits
for participants as of
December 31, 2003**

The greater of $[(a \times 12 + b)$ and $(c \times 12 + d)]$

- (a) The Heritage benefit formula using credited service through December 31, 2003.
- (b) The benefit credit account with accumulations beginning January 1, 2004, as of the normal retirement date divided by 9.
- (c) The Heritage benefit formula using credited service through December 31, 2008.
- (d) The benefit credit account with accumulations beginning January 1, 2009, as of the normal retirement date divided by 9.

**Early retirement benefits
from active employment
for participants as of
December 31, 2003
(employee must be
continuously employed
through early retirement)**

The greater of $[(a \times 12 + b)$ and $(c \times 12 + d)]$

- (a) The Heritage benefit formula using credited service through December 31, 2003, reduced by 2.40% for each year that early retirement precedes age 62.
- (b) The benefit credit account with accumulations beginning January 1, 2004, as of the early retirement date divided by a conversion factor as shown in the section "Early retirement benefits from active employment for post-December 31, 2003 participants."
- (c) The Heritage benefit formula using credited service through December 31, 2008, reduced by 2.40% for each year that early retirement precedes age 62.
- (d) The benefit credit account with accumulations beginning January 1, 2009, as of the early retirement date divided by a conversion factor as shown in the section "Early retirement benefits from active employment for post-December 31, 2003 participants."

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Early retirement benefits from vested deferred status for participants as of December 31, 2003

The greater of $[(a \times 12 + b)]$ and $(c \times 12 + d)$

- (a) The Heritage benefit formula using credited service through December 31, 2003 and reduced as follows:

If the participant terminated employment after attaining age 55 with 10 years of vesting service, the reduction is 2.40% for each year that early retirement precedes age 62.

Otherwise, the reduction is 5.0% for each year that early retirement precedes age 65.

- (b) The benefit credit account with accumulations beginning January 1, 2004, as of the retirement date divided by a conversion factor as shown below:

Age	Factor
55	19.00
56	18.00
57	17.00
58	16.00
59	15.00
60	14.00
61	13.00
62	12.00
63	11.00
64	10.00
65	9.00

However, if the participant terminates on or after attaining age 55 with 10 years of vesting service, the conversion factor shall be as shown in the section "Early retirement benefits from active employment for post-December 31, 2003 participants."

- (c) The Heritage benefit formula using credited service through December 31, 2008 and reduced as follows:

If the participant terminated employment after attaining age 55 with 10 years of vesting service, the reduction is 2.40% for each year that early retirement precedes age 62.

Otherwise, the reduction is 5.0% for each year that early retirement precedes age 65.

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- (d) The benefit credit account with accumulations beginning January 1, 2009, as of the early retirement date divided by a conversion factor as shown in (b) above.

However, if the participant terminates on or after attaining age 55 with 10 years of vesting service, the conversion factor shall be as shown in the section "Early retirement benefits from active employment for post-December 31, 2003 participants."

Future Plan Changes

WTW is not aware of any future plan changes that are required to be reflected in this valuation.

Changes in Benefits Valued Since Prior Year

There have been no changes in benefits valued since the prior valuation.

Plan Name:	Northrop Grumman Retirement Plan B
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Schedule SB, Line 26a Schedule of Active Participant Data as of January 1, 2024

Number and average plan compensation limited by IRC §401(a)(17) distributed by attained age and attained years of credited service
All monetary amounts shown in US Dollars

Attained Age	Years of Credited Service ¹																													
	Under 1			1 to 4			5 to 9			10 to 14			15 to 19			20 to 24			25 to 29			30 to 34			35 to 39			40 & Up		
	No.	Average		No.	Average		No.	Average		No.	Average		No.	Average		No.	Average		No.	Average		No.	Average		No.	Average		No.	Average	
		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.
Under 25																														
25 to 29																														
30 to 34																														
35 to 39																														
40 to 44																														
45 to 49									1																					
50 to 54																														
55 to 59																														
60 to 64																														
65 to 69																														
70 & Up																														

Census data as of January 1, 2024 ²

¹ Age and service for purposes of determining category are based on exact (not rounded) ages

² Excludes 256 active participants who transferred out or are no longer due any future accrual.

Plan Name: Northrop Grumman Retirement Plan B
 EIN / PN: 80-0640649/041
 Plan Sponsor: Northrop Grumman Corporation
 Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26b Schedule of Projection of Expected Benefit Payments

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2024	3,870,202	1,367,820	128,318,799	133,556,821
2025	8,625,412	3,554,410	123,063,529	135,243,351
2026	11,400,240	5,080,566	117,704,953	134,185,759
2027	13,969,767	6,323,198	112,246,933	132,539,898
2028	16,278,463	7,373,863	106,752,594	130,404,920
2029	18,390,668	8,308,466	101,260,974	127,960,108
2030	20,221,444	9,114,205	95,772,276	125,107,925
2031	21,708,480	9,874,277	90,302,000	121,884,757
2032	22,936,601	10,705,020	84,844,078	118,485,699
2033	23,933,715	11,478,330	79,419,931	114,831,976
2034	24,689,526	12,099,109	74,091,641	110,880,276
2035	25,321,165	12,662,456	68,860,767	106,844,388
2036	25,793,391	13,138,117	63,743,418	102,674,926
2037	26,120,663	13,531,036	58,763,417	98,415,116
2038	26,396,672	13,827,624	53,942,342	94,166,638
2039	26,540,299	14,057,382	49,282,515	89,880,196
2040	26,636,783	14,294,560	44,808,782	85,740,125
2041	26,675,719	14,557,821	40,547,591	81,781,131
2042	26,680,106	14,739,526	36,501,165	77,920,797
2043	26,647,076	14,860,668	32,679,205	74,186,949
2044	26,544,247	15,006,893	29,089,658	70,640,798
2045	26,341,998	15,090,919	25,738,459	67,171,376
2046	26,079,797	15,108,299	22,629,558	63,817,654
2047	25,743,461	15,075,742	19,764,862	60,584,065
2048	25,273,300	14,952,813	17,144,275	57,370,388
2049	24,658,077	14,714,171	14,765,557	54,137,805
2050	23,940,848	14,358,441	12,624,128	50,923,417
2051	23,085,354	13,896,938	10,713,025	47,695,317
2052	22,077,377	13,355,058	9,022,990	44,455,425
2053	20,991,104	12,764,735	7,542,631	41,298,470
2054	19,854,613	12,128,975	6,258,664	38,242,252
2055	18,679,415	11,460,780	5,156,287	35,296,482
2056	17,503,817	10,787,838	4,219,502	32,511,157
2057	16,332,543	10,112,813	3,431,625	29,876,981
2058	15,198,891	9,443,620	2,775,822	27,418,333
2059	14,108,646	8,788,421	2,235,509	25,132,576
2060	13,065,277	8,151,015	1,794,747	23,011,039
2061	12,074,458	7,534,591	1,438,576	21,047,625
2062	11,135,957	6,941,650	1,153,278	19,230,885
2063	10,248,276	6,374,005	926,563	17,548,844
2064	9,409,043	5,832,727	747,642	15,989,412

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Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2065	8,615,331	5,318,235	607,225	14,540,791
2066	7,864,066	4,830,482	497,438	13,191,986
2067	7,152,261	4,369,053	411,731	11,933,045
2068	6,477,302	3,933,332	344,751	10,755,385
2069	5,837,113	3,522,592	292,199	9,651,904
2070	5,230,236	3,136,187	250,662	8,617,085
2071	4,655,907	2,773,668	217,468	7,647,043
2072	4,114,009	2,434,845	190,552	6,739,406
2073	3,605,033	2,119,804	168,340	5,893,177

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Schedule SB, Part V Statement of Actuarial Assumptions/Methods

Plan Sponsor

Northrop Grumman Corporation

Statement of Assumptions

The assumptions disclosed in this Appendix are for the valuations to determine funding requirements for the plan year beginning January 1, 2024.

Assumptions and methods for funding purposes

Economic Assumptions

Interest rate basis:

- Applicable month
September
- Interest rate basis
3-Segment Rates

Interest rates:

	Reflecting Corridors	Not Reflecting Corridors
• First segment rate	4.75%	3.62%
• Second segment rate	4.87%	4.46%
• Third segment rate	5.59%	4.52%
• Effective interest rate	5.11%	4.42%

Annual Rates of Increase:

- Compensation

Age	Compensation Rates
Under age 30	5.25%
30 to 39	4.25%
40 to 49	3.25%
50 to 59	2.75%
Over age 60	2.75%
Weighted average	3.00%

For 2024, compensation was increased by 50 basis points for all ages over the scale above

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- Lump sum option assumptions (for those who are eligible for this form of payment)
 - Lump sum conversion interest rateSeptember 3-Segment Rates with 24-month average, reflecting corridors
- Cash balance interest credit rate:5.00%

Demographic Assumptions

Inclusion date The valuation date coincident with or next following the date on which the employee becomes a participant.

New or rehired employees It was assumed there will be no new or rehired employees.

Benefit commencement dates • Preretirement death benefit The later of the death of the active participant or the date the participant would have met early retirement eligibility.

- Deferred vested benefit

For current actives expected to terminate before retirement eligibility: The later of age 65 or termination of employment

For current deferred vested participants:

Age	Benefit Commencement Age
60	5%
62	10%
65	75%
67	50%
68	100%

- Retirement benefit Upon retirement

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Form of payment	When lump sum option is not available, 35% of participants are assumed to elect 100% joint and survivor annuity, 15% of participants are assumed to elect 50% joint and survivor annuity and 50% of participants are assumed to elect single life annuity.
Percent married	65% of male participants are married and 40% of female participants are married.
Spouse age	Male participants are assumed to be two years older than their spouses, and female participants are assumed to be one year younger than their spouses.
Covered pay	Plan compensation is developed using rate of pay, previous year's pensionable pay, increased to the current year by assumed salary increase.
Healthy mortality rates	Separate rates for non-annuitants and annuitants based on Pri-2012 "Employees" and "Healthy Annuitants" (participants and beneficiaries combined) tables, respectively, without collar or amount adjustments and then projected forward with a generational projection as specified in the regulations under §1.430(h)(3)-1 using the IRS adjusted Scale MP-2021 (i.e., MP-2021 with no mortality improvement for 2020-2023 and future mortality improvement capped at 0.78% for years after 2024).
Termination (not due to disability or retirement) rates	Sample annual rates per 1,000 participants:

Age	Rates
30	68.8
35	47.5
40	38.0
45	34.5
50	28.0
55	28.0
60+	28.0

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Retirement

Sample annual rates per 1,000 participants:

Age	Rates
55-60	40
61	70
62	70
63	90
64	120
65	160
66	220
67	180
68	170
69	150
70+	1,000

The weighted average retirement age is 64.

Administrative expenses

Assumed administrative expenses for 2024 are \$7,236,304 which equals the average of the administrative expenses other than PBGC premiums paid by the plan for the prior 3 plan years and an estimate of expected 2024 PBGC premiums.

Timing of benefit payments

Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

Vested Terminated Participants

The terminated vested participants with termination dates before January 1, 2000, 10% of age 65 and 33% of age 66 and older are assumed to ultimately have no benefit due. For terminated vested participants with termination dates January 1, 2000 through December 31, 2021, the same assumption is used except it is based on their age at January 1, 2022. In addition to this, 100% of any terminated vested participant who is more than two years past their Required Minimum Distribution age and terminated two or more years ago is assumed to have no benefit due.

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Contingent Survivors

For participants who have commenced their benefits and elected a Joint and Survivor option, to account for the possible deaths of contingent survivors where the participant is still alive, we have reduced the continuation percentage for these individuals. Below is a sample of the amount of reductions that were applied.

Age	Years Since Benefit Commenced		
	2	10	15
60 to 64	1%	2%	3%
65 to 69	1%	3%	4%
70 to 74	1%	4%	5%
75 to 79	2%	7%	8%
80 to 84	4%	11%	14%
85 to 89	7%	18%	21%
90 to 94	34%	34%	34%
95 to 99	43%	43%	43%
100 plus	50%	50%	50%

Methods

Valuation date

First day of the plan year.

Funding target

Present value of accrued benefits as required by regulations under IRC §430.

Target normal cost

Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.

Actuarial value of assets for determining minimum required contributions

Average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings (with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the prior plan year.)

The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA).

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These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value.

As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.

Benefits not valued

WTW has reviewed the plan provisions with Northrop Grumman Corporation and, based on that review, is not aware of any significant benefits required to be valued that were not.

Decrement Timing

The approach used is called rounded middle of year (rounded MOY) decrement timing. Most events are assumed to occur at the middle of year during which the eligibility condition will be met or the start/end date will occur. For death and disability decrements, the rate applied is based on the participant's rounded age (nearest integer age) at the beginning of the year, to align with the methodology generally used to create those rate tables. For retirement and withdrawal decrements: the age is generally the participant's rounded age at the middle of the year.

Sources of Data and Other Information

Fidelity furnished participant data as of January 1, 2024. Information on assets, contributions and plan provisions was supplied by the plan sponsor. Data and other information were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date.

We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

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Assumptions Rationale - Significant Economic Assumptions

Interest Rate	The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Cash balance interest crediting rate	The plan credits interest monthly to cash balance accounts using the average annual rate of interest on 30-year Treasury Securities for the preceding fourth month, subject to a minimum of 2.25%, divided by 12. Our long-term estimate of the 30-year Treasury rate is based on the median result rounded to the nearest 25bps from an economic model that forecasts potential future outcomes for bond yields and other asset class returns.
Rates of increase in Compensation	Assumed compensation increases are based on the experience study conducted in 2023, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.
Administrative Expenses	As required by regulations, administrative expenses are calculated by estimating the expenses to be paid from the trust during the coming year (including, for example, expected PBGC premiums and actuarial, accounting, legal, administration and trustee fees to be paid from the trust).

Assumptions Rationale - Significant Demographic Assumptions

Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Termination	Termination rates were based on the experience study conducted in 2023, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.
Retirement	Retirement rates were based on the experience study conducted in 2023, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.
Benefit commencement date for deferred vested benefits	Deferred vested participants' assumed commencement age were based on an experience review conducted in 2023.

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Form of payment The form of payment assumption is based on the observed elections for recent retirees.

Vested Terminated Participants The exclusion assumption is based on a study conducted in 2021. The variation in the assumption for participants with termination dates prior to January 1, 2000 is based on a greater likelihood of bad records.

Prescribed Methods

Funding The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are “prescribed methods set by law”, as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.

Changes in Assumptions and Methods

- The mortality table used to calculate the funding target and target normal cost was updated to reflect the latest mortality base table and improvement scale, as required by guidance issued by IRS under IRC §430. The mortality improvement was changed from using static projection to generational projection as required by guidance issued by IRS under IRC §430.
- The segment interest rates used to calculate the funding target and target normal cost were updated to the current valuation date as required by IRC §430.
- Retirements rates were updated for some subgroups so that all plan participants use the same rates based on the results of the 2023 experience study.
- Termination Rates were updated based on the results of the 2023 experience study.
- The cash balance interest crediting rate changed from 4.25% to 5.00%.
- Percent married assumption is updated to reflect results of 2023 experience study such that 65% of male participants are married and 40% of female participants are married.
- Spouse age difference is updated to reflect results of the 2023 experience study such that male participants are assumed to be two years older than their spouses, and female participants are assumed to be one year younger than their spouses.

Additional Information

None

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Schedule SB, Line 24 Change in Actuarial Assumptions

The following changes have been made since the prior valuation:

- Retirement rates were updated for some subgroups so that all plan participants use the same rates based on the results of the 2023 experience study.
- Termination Rates were updated based on the results of the 2023 experience study.
- The cash balance interest crediting rate changed from 4.25% to 5.00%.
- Percent married assumption is updated to reflect results of 2023 experience study such that 65% of male participants are married and 40% of female participants are married.
- Spouse age difference is updated to reflect results of the 2023 experience study such that male participants are assumed to be two years older than their spouses, and female participants are assumed to be one year younger than their spouses.

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Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Northrop Grumman Corporation
EIN/PN	80-0640649/041
Plan Name	Northrop Grumman Retirement Plan B
Valuation Date	January 1, 2024
Enrolled Actuary	Alexander Landsman
Enrollment Number	23-05399

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22 Description of Weighted Average Retirement Age as of January 1, 2024

See Schedule SB, Part V - Statement of Actuarial Assumptions/Methods for retirement rates.

The average retirement age for Line 22 was calculated by creating a hypothetical life table with retirement as the only decrement, and then computing the average retirement age for the table.

Year	x	q_x^r	l_x	${}_{x-55}P_{55} = l_x / l_{55}$	$q_x^r * l_x / l_{55}$	$x * q_x^r * l_x / l_{55}$
2024	55	0.040	1,000,000	1.000000	0.050000	2.200000
2025	56	0.040	960,000	0.960000	0.038400	2.150400
2026	57	0.040	921,600	0.921600	0.036864	2.101248
2027	58	0.040	884,736	0.884736	0.035389	2.052588
2028	59	0.040	849,347	0.849347	0.033974	2.004458
2029	60	0.040	815,373	0.815373	0.032615	1.956894
2030	61	0.070	782,758	0.782758	0.054793	3.342376
2031	62	0.070	727,965	0.727965	0.050958	3.159367
2032	63	0.090	677,007	0.677007	0.060931	3.838631
2033	64	0.120	616,077	0.616077	0.073929	4.731468
2034	65	0.160	542,147	0.542147	0.086744	5.638333
2035	66	0.220	455,404	0.455404	0.100189	6.612463
2036	67	0.180	355,215	0.355215	0.063939	4.283892
2037	68	0.170	291,276	0.291276	0.049517	3.367154
2038	69	0.150	241,759	0.241759	0.036264	2.502209
2039	70	1.000	205,495	0.205495	0.205495	14.384678
Average age at retirement						64.326159

Rounded for Schedule SB item 22

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Plan Name: Northrop Grumman Retirement Plan B
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 Plan Sponsor: Northrop Grumman Corporation
 Valuation Date: January 1, 2024

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
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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 NG Master Inactive Qualified Plan		B Three-digit plan number (PN) ▶	029
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Northrop Grumman Corporation		D Employer Identification Number (EIN) 80-0640649	
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500		

Part I Basic Information			
1 Enter the valuation date: Month 01 Day 01 Year 2024			
2 Assets:			
a Market value	2a	107,802,487	
b Actuarial value	2b	115,542,134	
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	1,814	58,790,502	58,790,502
b For terminated vested participants	1,147	19,690,357	19,690,357
c For active participants	0	0	0
d Total	2,961	78,480,859	78,480,859
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)			
a Funding target disregarding prescribed at-risk assumptions		4a	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor		4b	
5 Effective interest rate	5	5.05%	
6 Target normal cost			
a Present value of current plan year accruals	6a	0	
b Expected plan-related expenses	6b	706,260	
c Target normal cost	6c	706,260	

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 Thomas R Supple TRS Signature of actuary Thomas R Supple Type or print name of actuary Willis Towers Watson US LLC Firm name 300 South Grand Suite 2000 Los Angeles CA 90071 Address of the firm	09 / 11/ 2025 Date 2305740 Most recent enrollment number 213-337-6000 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 ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF. Schedule SB (Form 5500) 2024 v. 240311

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 %☐ N/A, full yield curve used**b** Applicable month (enter code)..... **21b** 4**22** Weighted average retirement age **22** 65**23** Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute**Part VI Miscellaneous Items****24** Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No**25** Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No**26** Demographic and benefit information**a** Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No**b** Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ... ☒ Yes ☐ No**27** If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment..... **27****Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years****28** Unpaid minimum required contributions for all prior years **28** 0**29** Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)..... **29** 0**30** Remaining amount of unpaid minimum required contributions (line 28 minus line 29) **30** 0**Part VIII Minimum Required Contribution For Current Year****31** Target normal cost and excess assets (see instructions):**a** Target normal cost (line 6c)..... **31a** 706,260**b** Excess assets, if applicable, but not greater than line 31a **31b** 706,260

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** 0

	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** 0**37** Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)..... **37** 0**38** Present value of excess contributions for current year (see instructions)**a** Total (excess, if any, of line 37 over line 36) **38a** 0**b** Portion included in line 38a attributable to use of prefunding and funding standard carryover balances **38b** 0**39** Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) **39** 0**40** Unpaid minimum required contributions for all years **40** 0**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)****41** If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☒ 2019 ☐ 2020 ☐ 2021