

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2023 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
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) _____ ☐ 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 CARPENTER TECHNOLOGY CORPORATION 401(K) RETIREMENT
1b	Three-digit plan number (PN) ▶ 020
1c	Effective date of plan 07/01/1983
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) CARPENTER TECHNOLOGY CORPORATION P.O. BOX 14662 READING, PA 19612-4662
2b	Employer Identification Number (EIN) 23-0458500
2c	Plan Sponsor's telephone number 610-208-2000
2d	Business code (see instructions) 331110

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.	10/10/2024	MICHAEL HANEY
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2024	MICHAEL HANEY
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number
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 4761
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.....	6a(1) 3357 6a(2) 3804 6b 119 6c 1214 6d 5137 6e 37 6f 5174 6g(1) 4713 6g(2) 5101 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:

2E 2F 2G 2J 2K 2O 2S 2T 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
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1) ☒ **R** (Retirement Plan Information)
- (2) ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3) ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
- (4) ☐ **DCG** (Individual Plan Information) – Number Attached _____
- (5) ☐ **MEP** (Multiple-Employer Retirement Plan Information)

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☐ **A** (Insurance Information) – Number Attached _____
- (4) ☒ **C** (Service Provider Information)
- (5) ☒ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2023 Form M-1 annual report. If the plan was not required to file the 2023 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

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
		2023
		This Form is Open to Public Inspection.

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan CARPENTER TECHNOLOGY CORPORATION 401(K) RETIREMENT	B Three-digit plan number (PN) ▶	020
C Plan sponsor's name as shown on line 2a of Form 5500 CARPENTER TECHNOLOGY CORPORATION	D Employer Identification Number (EIN) 23-0458500	

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
THE VANGUARD GROUP, INC.
23-1945930

(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)

VANGUARD ADVISERS INC.

23-2811930

(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?
26	NONE	449536	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

THE VANGUARD GROUP, INC.

23-1945930

(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 16 25 37 51 52 99	NONE	348241	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

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

WILLIS TOWERS WATSON US LLC

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?
16	NONE	45213	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
THE VANGUARD GROUP, INC.	99	0

(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.
WASATCH 87-0319391	10 BPS

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
THE VANGUARD GROUP, INC.	99	0

(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.
DODGE & COX 94-1441976	10 BPS

(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:	BAKER TILLY US, LLP	b EIN:	39-0859910
c Position:	ACCOUNTANT		
d Address:	740 W HAMILTON ST SUITE 210 ALLENTOWN, PA 18101-2425	e Telephone:	610-336-8180

Explanation: BAKER TILLY MADE THE DECISION TO NO LONGER AUDIT PLANS THAT FILE AN 11-K

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 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan CARPENTER TECHNOLOGY CORPORATION 401(K) RETIREMENT	B Three-digit plan number (PN) ▶	020
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 CARPENTER TECHNOLOGY CORPORATION	D Employer Identification Number (EIN) 23-0458500	

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)
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a Name of MTIA, CCT, PSA, or 103-12 IE: CARPENTER TECHNOLOGY CORP MASTER TR				
b Name of sponsor of entity listed in (a): CARPENTER TECHNOLOGY CORPORATION				
c EIN-PN 23-0458500-026	d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 70207600		
a Name of MTIA, CCT, PSA, or 103-12 IE: PRUDENTIAL CORE PLUS BOND FUND				
b Name of sponsor of entity listed in (a): PRUDENTIAL TRUST COMPANY				
c EIN-PN 23-6994310-165	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 23965608		
a Name of MTIA, CCT, PSA, or 103-12 IE: ARISTOTLE VALUE EQUITY CIT; B				
b Name of sponsor of entity listed in (a): SEI TRUST COMPANY				
c EIN-PN 81-2704975-095	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 49086350		
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2020 TRUST II				
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY				
c EIN-PN 90-6083982-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 12237702		
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2025 TRUST II				
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY				
c EIN-PN 90-6083980-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 50758652		
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2030 TRUST II				
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY				
c EIN-PN 90-6083978-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 30683802		
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2035 TRUST II				
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY				
c EIN-PN 90-6083976-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 67439855		

a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2040 TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 90-6083974-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 22005767
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2045 TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 90-6083972-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 56020826
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2050 TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 90-6083970-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 20220843
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2055 TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 27-6715091-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 36302504
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2060 TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 45-3799419-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 13371278
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2065 TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 82-6194314-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3253699
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET INCOME TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 90-6083967-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 15906680
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET 2070 TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 87-7039453-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 199260
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RET INC GR TRUST II		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 87-6420194-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 95066
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
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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
		2023
		This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan CARPENTER TECHNOLOGY CORPORATION 401(K) RETIREMENT	B Three-digit plan number (PN) ▶	020
C Plan sponsor's name as shown on line 2a of Form 5500 CARPENTER TECHNOLOGY CORPORATION	D Employer Identification Number (EIN) 23-0458500	

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)	12465000	14179753
(9) Value of interest in common/collective trusts	1c(9)	290971000	401547892
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	66225000	70207600
(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)	284722000	292132770
(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	654383000	778068015
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	654383000	778068015

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)	26798661	
(B) Participants	2a(1)(B)	31614012	
(C) Others (including rollovers)	2a(1)(C)	2171807	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		60584480
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)	782730	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		782730
(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)	8333191	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		8333191
(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)		57050921
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		15875936
(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)		42255223
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		184882481

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	60364654	
(2) To insurance carriers for the provision of benefits.....	2e(2)		
(3) Other	2e(3)	1237	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		60365891
f Corrective distributions (see instructions)	2f		19785
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)	265529	
(4) IQPA audit fees.....	2i(4)		
(5) Investment advisory and investment management fees	2i(5)	452986	
(6) Bank or trust company trustee/custodial fees	2i(6)		
(7) Actuarial fees	2i(7)		
(8) Legal fees	2i(8)		
(9) Valuation/appraisal fees	2i(9)		
(10) Other trustee fees and expenses	2i(10)		
(11) Other expenses	2i(11)	98423	
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		816938
j Total expenses. Add all expense amounts in column (b) and enter total	2j		61202614

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		123679867
l Transfers of assets:			
(1) To this plan	2l(1)		5148
(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: **SCHNEIDER DOWNS & CO., INC.**

(2) EIN: **25-1408703**

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?	☒		10000000
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 _____.

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 2023 This Form is Open to Public Inspection.
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan CARPENTER TECHNOLOGY CORPORATION 401(K) RETIREMENT		B Three-digit plan number (PN) ▶ 020
C Plan sponsor's name as shown on line 2a of Form 5500 CARPENTER TECHNOLOGY CORPORATION		D Employer Identification Number (EIN) 23-0458500
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
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 23-2186884		
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
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A		
If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____		
If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock? ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2023 v. 230707		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for: a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment) 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) 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)	14a 14b 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 b The corresponding number for the second preceding plan year	15a 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 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	16a 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
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18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment..... ☐	
19 If the total number of participants is 1,000 or more, complete lines (a) and (b): a Enter the percentage of plan assets held as: Public Equity: _____% Private Equity: _____% Investment-Grade Debt and Interest Rate Hedging Assets: _____% High-Yield Debt: _____% Real Assets: _____% Cash or Cash Equivalents: _____% Other: _____% b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets: ☐ 0-5 years ☐ 5-10 years ☐ 10-15 years ☐ 15 years or more	
20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20. a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation: _____	

Part VII	IRS Compliance Questions
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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 _____.	
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INDEPENDENT AUDITOR'S REPORT

To the Audit/Finance Committee of Carpenter Technology Corporation,
Plan Administrator and Plan Participants of the Carpenter Technology 401(k) Retirement Plan:

Opinion on the 2023 Financial Statements

We have audited the accompanying financial statements of the Carpenter Technology 401(k) Retirement Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statement of net assets available for benefits as of December 31, 2023, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements (2023 financial statements).

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

Basis for Opinion on the 2023 Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the 2023 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 audit. 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 2023 Financial Statements

Management is responsible for the preparation and fair presentation of the 2023 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 2023 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 the 2023 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 2023 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 2023 Financial Statements

Our objectives are to obtain reasonable assurance about whether the 2023 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 generally accepted auditing standards 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 2023 financial statements.

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In performing an audit in accordance with generally accepted auditing standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the 2023 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 2023 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 2023 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.

2023 Supplemental Schedule Required by ERISA

Our audit was conducted for the purpose of forming an opinion on the 2023 financial statements as a whole. The supplemental schedule of assets (held at end of year) as of December 31, 2023 is presented for purposes of additional analysis and is not a required part of the 2023 financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the 2023 financial statements. The information has been subjected to the auditing procedures applied in the audit of the 2023 financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the 2023 financial statements or to the 2023 financial statements themselves, and other additional procedures in accordance with generally accepted auditing standards.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion, the information in the accompanying schedule is fairly stated, in all material respects, in relation to the 2023 financial statements as a whole, and the form and content are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

2022 Financial Statements

The financial statements of the Carpenter Technology 401(k) Retirement Plan as of December 31, 2022 were audited by other auditors whose report dated June 27, 2023 expressed an unmodified opinion on those statements.

A handwritten signature in blue ink that reads "Schneider Downs & Co, Inc." The signature is written in a cursive, flowing style.

Pittsburgh, Pennsylvania
June 21, 2024

Carpenter Technology 401(k) Retirement Plan

Financial Statements and
Supplementary Information

December 31, 2023 and 2022

**Carpenter Technology 401(k) Retirement Plan
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December 31, 2023 and 2022**

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INDEPENDENT AUDITOR'S REPORT

To the Audit/Finance Committee of Carpenter Technology Corporation,
Plan Administrator and Plan Participants of the Carpenter Technology 401(k) Retirement Plan:

Opinion on the 2023 Financial Statements

We have audited the accompanying financial statements of the Carpenter Technology 401(k) Retirement Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statement of net assets available for benefits as of December 31, 2023, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements (2023 financial statements).

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

Basis for Opinion on the 2023 Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the 2023 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 audit. 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 2023 Financial Statements

Management is responsible for the preparation and fair presentation of the 2023 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 2023 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 the 2023 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 2023 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 2023 Financial Statements

Our objectives are to obtain reasonable assurance about whether the 2023 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 generally accepted auditing standards 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 2023 financial statements.

Schneider Downs & Co., Inc.
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In performing an audit in accordance with generally accepted auditing standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the 2023 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 2023 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 2023 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.

2023 Supplemental Schedule Required by ERISA

Our audit was conducted for the purpose of forming an opinion on the 2023 financial statements as a whole. The supplemental schedule of assets (held at end of year) as of December 31, 2023 is presented for purposes of additional analysis and is not a required part of the 2023 financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the 2023 financial statements. The information has been subjected to the auditing procedures applied in the audit of the 2023 financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the 2023 financial statements or to the 2023 financial statements themselves, and other additional procedures in accordance with generally accepted auditing standards.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion, the information in the accompanying schedule is fairly stated, in all material respects, in relation to the 2023 financial statements as a whole, and the form and content are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

2022 Financial Statements

The financial statements of the Carpenter Technology 401(k) Retirement Plan as of December 31, 2022 were audited by other auditors whose report dated June 27, 2023 expressed an unmodified opinion on those statements.

A handwritten signature in blue ink that reads "Schneider Downs & Co, Inc." The signature is written in a cursive, flowing style.

Pittsburgh, Pennsylvania
June 21, 2024

**Carpenter Technology 401(k) Retirement Plan
Statements of Net Assets Available for Benefits
December 31, 2023 and 2022**

<i>Dollars in thousands</i>	2023	2022
Investments, at fair value	\$ 720,240	\$ 595,248
Investment, at contract value	43,648	46,670
Total investments	763,888	641,918
Notes receivable from participants	14,180	12,465
Net assets available for benefits	<u>\$ 778,068</u>	<u>\$ 654,383</u>

See accompanying notes to financial statements.

Carpenter Technology 401(k) Retirement Plan
Statement of Changes in Net Assets Available for Benefits
Year Ended December 31, 2023

<i>Dollars in thousands</i>	2023
Investment income:	
Appreciation in fair value of investments	\$ 99,306
Interest in Carpenter Technology Master Trust Fund income	15,876
Dividends	8,333
Total investment income	123,515
Interest income from notes receivable from participants	783
Contributions:	
Participants	31,614
Participant rollovers	2,172
Employer	26,799
Total contributions	60,585
Benefits paid to participants	(60,386)
Administrative expenses	(817)
Net increase in net assets available for benefits	123,680
Transfers in	5
Net assets available for benefits, beginning of year	654,383
Net assets available for benefits, end of year	<u>\$ 778,068</u>

See accompanying notes to financial statements.

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

1. Description of the Plan

The following description of the Carpenter Technology 401(k) Retirement Plan (the "Plan") provides general information. A more complete description of the Plan's provisions can be found in the plan document, which is available to participants upon request from Carpenter Technology Corporation (the "Company" or the "Plan Sponsor").

General

The Plan is a profit-sharing and stock bonus plan which covers substantially all domestic non-union employees of the Company, as well as a certain population of union employees of the Company. Employees are eligible to participate on their first day of employment. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

Contributions

Each year, participants may contribute up to 100% of annual compensation on a pre-tax or after-tax basis, as defined by the plan document. The combined contributions cannot exceed 100% of annual compensation on both a pre-tax and after-tax basis. Participants who have attained age 50 before the end of the plan year are eligible to make catch-up contributions, which are additional pre-tax contributions. Participants may also contribute amounts representing rollover distributions from other qualified benefit plans. Participant contributions to the Plan are recorded in the period that payroll deductions are made from the participants. The Plan includes an auto-enrollment provision whereby all new eligible employees are automatically enrolled in the Plan unless they affirmatively elect not to participate in the Plan. Automatically enrolled participants have their deferral rate set at 4% of eligible compensation (3% prior to January 1, 2023). Deferrals will automatically increase by 1% annually and will continue to increase 1% annually until a maximum of 15%. The Company contributes an amount equal to 3% of each participant's base pay and a matching contribution of up to 6%, as defined by the plan document. Participants direct the investment of all contributions into various investment options offered by the Plan. Contributions are subject to certain Internal Revenue Service ("IRS") limitations.

Participant Accounts

Each participant's account is credited with the participant's contribution, the Company's contribution on behalf of the participant, and an allocation of plan earnings or losses based on account balances, as defined by the plan document. When applicable, participants are charged transaction fees. Participants invested in the Carpenter Technology Stock Fund are charged an administrative fee based on the fund balance. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting

All contributions and plan earnings or losses thereon are immediately and fully vested and non-forfeitable.

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

Notes Receivable from Participants

Participants may borrow from their accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 minus the amount of the highest outstanding loan balance on any plan loan during the preceding twelve months, or 50% of their vested account balance minus the current outstanding balance on any other plan loan. Terms range from one to five years for a general purpose loan, and one to ten years for a primary residence loan. The loans are secured by the balance in the participant's account and bear interest at rates that range from 4.25% to 9.50% and 4.25% to 8.00% at December 31, 2023 and 2022, respectively, which represent the Prime Rate on the last business day of the month preceding the month in which the loan was distributed plus 1%. Principal and interest are paid ratably through bi-weekly payroll deductions.

Payment of Benefits

Benefits paid to participants include participant withdrawals and participant distributions. Participant withdrawals are withdrawals taken while an active employee of the Company and include hardship withdrawals, non-hardship withdrawals, and withdrawals after age 59½. Participant withdrawals are subject to certain restrictions as defined by the plan document. Upon termination of service due to death, disability, retirement, or other reasons, participants are eligible to receive a lump sum distribution. A participant may elect to defer such distribution provided the account balance is at least \$5,000. A participant must take their first required minimum distribution ("RMD") in the year they reach age 72 (73 if they reach age 72 after December 31, 2022). The payment of benefits from the Carpenter Technology Stock Fund is made in shares of Carpenter Technology Corporation common stock or cash, at the participant's option. All other payments of benefits are made in cash.

Subsequent Events

The Plan has evaluated subsequent events for recognition or disclosure through June 21, 2024, the date the financial statements were available to be issued.

The Secure 2.0 Act of 2022 was signed into law on December 29, 2022. This legislation includes a vast array of provisional changes to retirement plans, becoming effective in 2023 and beyond. Plan management is evaluating the impact of the adoption and implementation of this legislation on the Plan.

Transfers

The Plan had transfers in of \$5,000 representing transfers from one or more other qualified benefit plans of the Plan Sponsor as a result of participant transfers between companies of the Plan Sponsor or other such events that may result in a change of plan eligibility.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual method of accounting.

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition

A portion of the Plan's assets are invested in fully benefit-responsive investment contracts through its investment in the Insight Investment Stable Value Fund within the Carpenter Technology Master Trust Fund ("Master Trust") and are reported at contract value. Contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan. See Note 4 for further discussion of the Master Trust investment.

All other investments are reported at fair value. Fair value is the amount 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. See Note 3 for further discussion of fair value measurements.

Purchases and sales of investments are recorded on a trade-date basis. Interest income within the Master Trust is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation and interest in Master Trust income include the gains and losses on investments bought and sold as well as held during the year.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Delinquent notes receivable are recorded as distributions based upon the terms of the plan document. No allowance for credit losses has been recorded as of December 31, 2023 and 2022.

Administrative Expenses

The Plan's assets are administered under a contract with The Vanguard Fiduciary Trust Company (the "Trustee"). The Trustee invests funds received from contributions, investment sales, interest and dividend income and makes benefit payments to participants. Transaction fees and certain administrative fees are paid by the participant. The remaining administrative fees are netted against investment income in the Statement of Changes in Net Assets Available for Benefits. All other fees are paid by the Company and are excluded from these financial statements.

Payment of Benefits

Benefit payments to participants are recorded when paid.

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

3. Fair Value Measurements

Fair value is defined as 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 framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of the fair value hierarchy under authoritative guidance are described as follows:

Level 1 Inputs: Quoted prices (unadjusted) in active markets for identical assets or liabilities that the Plan has the ability to access.

Level 2 Inputs: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly.

Level 3 Inputs: Unobservable inputs for the asset or liability.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2023 and 2022.

Registered investment companies - Valued at closing price reported on the active market on which the individual funds are traded. These funds are required to publish their daily net asset value ("NAV") and to transact at that price, and are considered to be actively traded.

Carpenter Technology Stock Fund held within the Master Trust - Valued at closing price of the Plan Sponsor's common stock as reported on the active market on which the securities are traded.

Short-term investment fund held within the Master Trust - Valued based on quoted market values reported on active markets on which the individual securities are traded.

Common collective trusts - Valued at the NAV of units of a collective trust. The NAV is used as a practical expedient to estimate fair value and is based on the fair value of the underlying investments held by the fund less its liabilities.

The asset or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs.

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2023 and 2022.

<i>Dollars in thousands</i>	Fair Value Measurement Using Inputs Considered as	2023	2022
Registered investment companies	Level 1	\$ 292,133	\$ 284,722
Interest in Carpenter Technology Master Trust Fund			
Short-term investment fund	Level 1	1,743	1,165
Carpenter Technology Stock Fund	Level 1	24,816	18,390
Common collective trusts	(1)	401,548	290,971
Total investments at fair value		<u>\$ 720,240</u>	<u>\$ 595,248</u>

(1) Investments that are measured at NAV or its equivalent per share as a practical expedient are excluded from the fair value hierarchy. The fair value presented herein permits reconciliation to the Statements of Net Assets Available for Benefits.

The following table represents investments at fair value based on NAV per share as of December 31, 2023 and 2022.

<i>Dollars in thousands</i>	2023	2022	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Common collective trusts (1)	\$401,548	\$290,971	None	Daily	None

(1) The Plan invests in the following common collective trusts:

- Prudential Core Plus Bond Fund Collective Trust, which invests in investment-grade fixed income securities, and seeks to outperform the Barclays Capital U.S. Aggregate Bond Index, which broadly represents the performance of debt securities publicly traded in the U.S.
- Vanguard Target Retirement Trust II Collective Trusts, which invest primarily in fixed-principal investments, and seeks stability of principal and current income consistent with a 2-4 year average maturity.
- Aristotle Value Equity CIT B Fund, which invests primarily in U.S. headquartered companies that have a minimum market capitalization of \$2 billion at the time of initial investment, and seeks to maximize long-term capital appreciation.

4. Investment in the Master Trust

The Master Trust is comprised of two funds – the Carpenter Technology Stock Fund and the Insight Investment Stable Value Fund.

Carpenter Technology Stock Fund - The Carpenter Technology Stock Fund holds investments in the common stock of the Plan Sponsor. These investments are reported at fair value.

Insight Investment Stable Value Fund - This fund holds investments in a short-term investment fund which is reported at fair value, as well as investments held in fully benefit-responsive

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

guaranteed investment contracts ("GICs") which are reported at contract value. See Note 5 for further discussion of fully benefit-responsive GICs.

The Master Trust, which is administered by the Trustee, holds the investments of these funds for the Plan Sponsor's participating plans, which include the Plan and the Latrobe Company 401(k) Retirement Plan. Use of the Master Trust permits the commingling of trust assets for investment and administrative purposes. Although the assets of each plan are commingled in the Master Trust, the Trustee maintains separate supporting records for the purpose of tracking the individual activity of each plan. The investments held in the Master Trust are accounted for at the plan level since the participating plans have a divided interest in assets held in the Master Trust.

The net assets of the Master Trust and the Plan's divided interest in the Master Trust as of December 31, 2023 and 2022 are as follows:

<i>Dollars in thousands</i>	2023	
	Master Trust	Plan's Divided Interest
Investments, at fair value:		
Insight Investment Stable Value Fund		
Short-term investment fund	\$ 1,869	\$ 1,743
Carpenter Technology Stock Fund	25,020	24,816
Total investments at fair value	<u>26,889</u>	<u>26,559</u>
Investments, at contract value:		
Insight Investment Stable Value Fund		
Fixed maturity synthetic GIC	4,560	4,253
Constant duration synthetic GICs	<u>42,238</u>	<u>39,395</u>
Total investments at contract value	<u>46,798</u>	<u>43,648</u>
Net assets in Master Trust	<u>\$ 73,687</u>	<u>\$ 70,207</u>

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

<i>Dollars in thousands</i>	2022	
	Master Trust	Plan's Divided Interest
Investments, at fair value:		
Insight Investment Stable Value Fund		
Short-term investment fund	\$ 1,250	\$ 1,165
Carpenter Technology Stock Fund	18,557	18,390
Total investments at fair value	19,807	19,555
Investments, at contract value:		
Insight Investment Stable Value Fund		
Fixed maturity synthetic GIC	5,655	5,270
Constant duration synthetic GICs	44,423	41,400
Total investments at contract value	50,078	46,670
Net assets in Master Trust	<u>\$ 69,885</u>	<u>\$ 66,225</u>

The change in the net assets of the Master Trust for the year ended December 31, 2023 was as follows:

<i>Dollars in thousands</i>	
Investment income:	
Appreciation in fair value of investments	
Carpenter Technology Stock Fund	\$ 14,626
Interest and dividends	
Insight Investment Stable Value Fund	1,117
Carpenter Technology Stock Fund	325
Total investment income	16,068
Net transfers out	(12,266)
Net increase in net assets available for benefits	3,802
Net assets available for benefits, beginning of year	69,885
Net assets available for benefits, end of year	<u>\$ 73,687</u>

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

5. Fully Benefit-Responsive Investment Contracts

The Insight Investment Stable Value Fund within the Master Trust holds a portfolio of synthetic GICs. The Plan owns the underlying assets of the synthetic GICs. These contracts meet the fully benefit-responsive investment contract criteria and therefore are reported at contract value. Contract value is the relevant measure for fully benefit-responsive investment contracts because this is the amount received by participants if they were to initiate permitted transactions under the terms of the Plan. Contract value represents contributions made under each contract, plus earnings, less participant withdrawals and administrative expenses.

The synthetic GICs held by the Plan include wrapper contracts that provide a guarantee that the credit rate will not fall below 0%. Cash flow volatility (for example, timing of the benefit payments) as well as asset underperformance can be passed through to the Plan through adjustments to future contract crediting rates. Formulas are provided in each contract that adjust renewal crediting rates to recognize the difference between the fair value and the book value of the underlying assets. Crediting rates are reviewed periodically for resetting.

The Plan's ability to receive amounts due in accordance with fully benefit-responsive synthetic GICs is dependent on the third-party issuer's ability to meet its financial obligations. The issuer's ability to meet its contractual obligations may be affected by future economic and regulatory developments.

Certain events might limit the ability of the Plan to transact at contract value with the contract issuer. These events may be different under each contract. Examples of such events include the following: (1) the Plan's failure to qualify under Section 401(a) of the Internal Revenue Code ("IRC") or the failure of the trust to be tax-exempt under Section 501(a) of the IRC, (2) premature termination of the contracts, (3) plan termination or merger into an unaffiliated plan, (4) changes to the Plan's prohibition on competing investment options, and (5) bankruptcy of the Plan Sponsor or other Plan Sponsor events (for example, divestitures or spinoffs of a subsidiary) that significantly affect the Plan's normal operations.

No events are probable of occurring that might limit the ability of the Plan to transact at contract value with the contract issuers and that also would limit the ability of the Plan to transact at contract value with the participants.

In addition, certain events allow the issuer to terminate the contracts with the Plan and settle at an amount different from contract value. Those events may be different under each contract. Examples of such events include the following: (1) an uncured violation of the Plan's investment guidelines, (2) a breach of material obligation under the contract, (3) a material misrepresentation, and (4) a material amendment to the agreements without the consent of the issuer.

**Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022**

6. Related Party and Party-in-Interest Transactions

The Plan issues loans to participants, which are secured by the participants' account balances. These transactions qualify as party-in-interest. Fees paid by the Plan in 2023 for loan services totaled \$23,901.

Certain of the Plan's investments are managed by the Trustee, and therefore, these transactions qualify as party-in-interest transactions. Fees paid by the Plan in 2023 to the Trustee for investment management services related to these funds totaled \$715,971.

The Carpenter Technology Stock Fund held in the Master Trust at December 31, 2023 and 2022 is invested in shares of the Plan Sponsor, therefore these transactions qualify as related party and party-in-interest transactions. Fees paid to the Trustee by the Plan in 2023 for investment management services related to this fund were \$11,484. In addition, total purchases and sales in 2023, at market value, were \$6,243,887 and \$14,490,214, respectively. The Plan's interest in the Carpenter Technology Stock Fund included 350,513 and 497,836 of equivalent shares with a share price of \$70.80 and \$36.94 as of December 31, 2023 and 2022, respectively.

Certain administrative functions of the Plan are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan.

7. Plan Termination

Although it has not expressed any intent to do so, the Company has the right to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants will remain fully vested in their accounts.

8. Tax Status

The IRS has determined and informed the Company by a letter dated November 7, 2017 that the Plan and related trust are designed in compliance with Section 401(a) of the IRC. Although the Plan has been amended since receiving the determination letter, the plan administrator believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC and therefore believes that the Plan is qualified and the related trust is tax exempt.

Accounting principles generally accepted in the United States of America require management to evaluate tax positions taken by the Plan and recognize 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 IRS. The plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2023 and 2022, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The plan administrator believes it is no longer subject to income tax examinations for years prior to 2020.

Carpenter Technology 401(k) Retirement Plan
Notes to Financial Statements
December 31, 2023 and 2022

9. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the Statements of Net Assets Available for Benefits.

Carpenter Technology 401(k) Retirement Plan

Schedule of Assets (Held at End of Year)
Form 5500 - Schedule H - Line 4(i)
December 31, 2023

EIN: 23-0458500
PN: 020

(a)	(b)	(c)	(e)
	Identity of Issue, Borrower, Lessor or Similar Party	Description of Investment, including Maturity Date, Interest Rate, Collateral, Par or Maturity Value	Current Value
	Registered Investment Companies:		
	American Funds	American Funds EuroPacific Growth Fund; Class R-6	\$ 11,407,452
*	Vanguard	Vanguard Institutional Index Fund Institutional Plus Shares	116,934,192
*	Vanguard	Vanguard Mid-Cap Index Fund; Institutional Shares	34,720,234
*	Vanguard	Vanguard Small-Cap Index Fund; Institutional Shares	19,900,573
*	Vanguard	Vanguard Total Bond Market Index Fund; Institutional Shares	37,193,334
*	Vanguard	Vanguard Total International Stock Index Fund; Institutional Shares	42,905,505
*	Vanguard	Vanguard Treasury Money Market Fund	19,148,073
	Wasatch Computer Tech	Wasatch Core Growth Fund; Institutional Class Shares	9,923,407
	Total Registered Investment Companies		292,132,770
	Common Collective Trusts:		
	Prudential Trust Company	Prudential Core Plus Bond Fund Collective Trust; Class 6	23,965,608
	Aristotle Capital Mgmt	Aristotle Value Equity CIT; B	49,086,350
*	Vanguard	Vanguard Target Retirement 2020 Trust II	12,237,702
*	Vanguard	Vanguard Target Retirement 2025 Trust II	50,758,652
*	Vanguard	Vanguard Target Retirement 2030 Trust II	30,683,802
*	Vanguard	Vanguard Target Retirement 2035 Trust II	67,439,855
*	Vanguard	Vanguard Target Retirement 2040 Trust II	22,005,767
*	Vanguard	Vanguard Target Retirement 2045 Trust II	56,020,826
*	Vanguard	Vanguard Target Retirement 2050 Trust II	20,220,843
*	Vanguard	Vanguard Target Retirement 2055 Trust II	36,302,504
*	Vanguard	Vanguard Target Retirement 2060 Trust II	13,371,278
*	Vanguard	Vanguard Target Retirement 2065 Trust II	3,253,699
*	Vanguard	Vanguard Target Retirement 2070 Trust II	199,260
*	Vanguard	Vanguard Target Retirement Income Trust II	15,906,680
*	Vanguard	Vanguard Target Retirement Income and Growth Trust II	95,066
	Total Common Collective Trusts		401,547,892
*	Participant Loans	Loans to Participants - Interest rate range 4.25% - 9.50%	14,179,753
Total			\$ 707,860,415

Cost information not included, as all investments are participant-directed.

The investment in the Interest in Carpenter Technology Master Trust Fund has been excluded from this schedule.

* indicates Party-in-Interest

Carpenter Technology 401(k) Retirement Plan

Schedule of Assets (Held at End of Year)
Form 5500 - Schedule H - Line 4(i)
December 31, 2023

EIN: 23-0458500
PN: 020

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