

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 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of 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 <u>AVANTOR RETIREMENT SAVINGS 401(K) PLAN AND TRUST</u>	1b Three-digit plan number (PN) ▶	<u>002</u>
1c Effective date of plan <u>03/01/1986</u>		
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) <u>AVANTOR, INC.</u> <u>ONE RADNOR CORP CTR,BLDG 1,STE 200</u> <u>100 MATSONFORD ROAD</u> <u>RADNOR, PA 19087-8660</u>	2b Employer Identification Number (EIN) <u>81-3921566</u>	
	2c Plan Sponsor's telephone number <u>855-282-6867</u>	
	2d Business code (see instructions) <u>424600</u>	

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.	10/16/2023	NICHOLE RICKETTS
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/16/2023	NICHOLE RICKETTS
	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

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

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 8344
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		6a(1) 5649
a(2) Total number of active participants at the end of the plan year		6a(2) 6127
b Retired or separated participants receiving benefits		6b 3
c Other retired or separated participants entitled to future benefits.....		6c 2789
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 8919
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 34
f Total. Add lines 6d and 6e		6f 8953
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 8738
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 1
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 2R 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
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		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ 1 A (Insurance Information) (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 2022 Form M-1 annual report. If the plan was not required to file the 2022 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 A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance 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. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan AVANTOR RETIREMENT SAVINGS 401(K) PLAN AND TRUST	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 AVANTOR, INC.	D Employer Identification Number (EIN) 81-3921566	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier
NEW YORK LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
13-5582869	66915	GA32192	0	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid
0	0

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end.....	4	0
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	18414315

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶**b** Premiums paid to carrier**6b****c** Premiums due but unpaid at the end of the year**6c****d** If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount.....**6d**

Specify nature of costs ▶

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity(3) ☐ other (specify) ▶**f** If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ☐**7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)****a** Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☐ other ▶**b** Balance at the end of the previous year**7b****c** Additions: (1) Contributions deposited during the year**7c(1)**

(2) Dividends and credits.....

7c(2)

(3) Interest credited during the year.....

7c(3)

(4) Transferred from separate account.....

7c(4)

(5) Other (specify below)

7c(5)

▶

(6) Total additions.....

7c(6)**d** Total of balance and additions (add lines **7b** and **7c(6)**)**7d****e** Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year

7e(1)

(2) Administration charge made by carrier.....

7e(2)

(3) Transferred to separate account.....

7e(3)

(4) Other (specify below)

7e(4)

▶

(5) Total deductions.....

7e(5)**f** Balance at the end of the current year (subtract line **7e(5)** from line **7d**)**7f****0**

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
b ☐ Dental
c ☐ Vision
d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
f ☐ Long-term disability
g ☐ Supplemental unemployment
h ☐ Prescription drug
i ☐ Stop loss (large deductible)
j ☐ HMO contract
k ☐ PPO contract
l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve.....	9a(3)		
(4) Earned ((1) + (2) - (3)).....		9a(4)	
b Benefit charges (1) Claims paid.....	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2)).....		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs.....	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges.....	9c(1)(G)		
(H) Total retention.....		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement.....		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).).....		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount.	10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

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
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan AVANTOR RETIREMENT SAVINGS 401(K) PLAN AND TRUST	B Three-digit plan number (PN) ▶	002
C Plan sponsor's name as shown on line 2a of Form 5500 AVANTOR, INC.	D Employer Identification Number (EIN) 81-3921566	

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
PRINCIPAL LIFE INSURANCE COMPANY
42-0127290

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
CHARLES SCHWAB & CO, INC.
94-1737782

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
CHARLES SCHWAB INVESTMENT MANAGEMEN
94-3106735

(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)

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

(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?
13 37 50 64	CONTRACT ADMINISTRATOR	435476	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

CAPFINANCIAL PARTNERS, L

26-0058143

(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?
27 50	INVESTMENT ADVISORY	65793	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

FAEGRE DRINKER BIDDLE &

41-0244008

(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	51334	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)

TORRILLO AND ASSOCIATES

83-0414789

(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	10000	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

(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?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

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

(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?
			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
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(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 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan AVANTOR RETIREMENT SAVINGS 401(K) PLAN AND TRUST	B Three-digit plan number (PN) ►	002
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 AVANTOR, INC.	D Employer Identification Number (EIN) 81-3921566	

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: VANGUARD TRGT RTMT INC TRST I			
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY			
c EIN-PN 90-6083968-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 11924923	
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGT RETMT 2015 TR I			
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY			
c EIN-PN 90-6083953-001	d Entity code C	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: VANGUARD TARGET RTMT 2020 TR I			
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY			
c EIN-PN 90-6083983-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 24060213	
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2025 TR I			
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY			
c EIN-PN 90-6083981-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 55651192	
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2030 TR I			
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY			
c EIN-PN 90-6083979-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 79031408	
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2035 TR I			
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY			
c EIN-PN 90-6083977-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 62008691	
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2040 TR I			
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY			
c EIN-PN 90-6083975-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 56782036	

a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2045 TR I		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 90-6083973-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 41485578
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TRGT RTMT 2050 TR I		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 90-6083969-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 30674107
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2055 TR I		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 27-6715074-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 18119536
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2060 TR I		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 45-3799212-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7937730
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TARGET RTMT 2065 TR I		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 82-6190443-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2042510
a Name of MTIA, CCT, PSA, or 103-12 IE: MFS LARGE CAP VALUE CIT CL CT		
b Name of sponsor of entity listed in (a): WILMINGTON TRUST, N.A.		
c EIN-PN 38-7275332-781	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 6343005
a Name of MTIA, CCT, PSA, or 103-12 IE: MFS MID CAP GROWTH FD CL CT		
b Name of sponsor of entity listed in (a): WILMINGTON TRUST, N.A.		
c EIN-PN 38-4126294-597	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 8116048
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TAR RET 2070 TR I		
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY		
c EIN-PN 87-7035538-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 9825
a Name of MTIA, CCT, PSA, or 103-12 IE: NEW YORK LIFE SV ANCHOR ACCT		
b Name of sponsor of entity listed in (a): NEW YORK LIFE INSURANCE COMPANY		
c EIN-PN 13-5582869-002	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 18414315
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)

(Complete as many entries as needed to report all participating plans)

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**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 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>AVANTOR RETIREMENT SAVINGS 401(K) PLAN AND TRUST</u>		B Three-digit plan number (PN) <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>AVANTOR, INC.</u>		D Employer Identification Number (EIN) <u>81-3921566</u>

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)	821924	730593
(2) Participant contributions.....	1b(2)	2838	
(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)	5981566	6483170
(9) Value of interest in common/collective trusts.....	1c(9)	473465729	404186801
(10) Value of interest in pooled separate accounts	1c(10)	5452333	18414315
(11) Value of interest in master trust investment accounts.....	1c(11)		
(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)	102461709	74900366
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)	3895427	3458822

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	592081526	508174067

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	592081526	508174067
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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)	18406192	
(B) Participants	2a(1)(B)	35369669	
(C) Others (including rollovers)	2a(1)(C)	9327085	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		63102946
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)	299509	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		299509
(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)	1614272	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		1614272
(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)		0
(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)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		-75959544
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(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)		-22283175
c Other income	2c		-569148
d Total income. Add all income amounts in column (b) and enter total	2d		-33795140
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	49530863	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)	5818	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		49536681
f Corrective distributions (see instructions)	2f		513
g Certain deemed distributions of participant loans (see instructions)	2g		11320
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)	10000	
(2) Contract administrator fees	2i(2)	436770	
(3) Investment advisory and management fees	2i(3)	117035	
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		563805
j Total expenses. Add all expense amounts in column (b) and enter total	2j		50112319
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-83907459
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: **TORRILLO & ASSOCIATES, LLC**

(2) EIN: **83-0414789**

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, 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.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a	☒	☐	2900

	Yes	No	Amount
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.)		X	
4b		X	
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.)		X	
4c		X	
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.)		X	
4d		X	
e Was this plan covered by a fidelity bond?	X		25000000
4e	X		25000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
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?		X	
4g		X	
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?		X	
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
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.)		X	
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
4m		X	
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.			
4n			

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 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan AVANTOR RETIREMENT SAVINGS 401(K) PLAN AND TRUST		B Three-digit plan number (PN) 002
C Plan sponsor's name as shown on line 2a of Form 5500 AVANTOR, INC.		D Employer Identification Number (EIN) 81-3921566
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): 42-0127290		
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) 2022 v. 220413		

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) through (c)

a Enter the percentage of plan assets held as:
 Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____

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 _____

AVANTOR RETIREMENT SAVINGS 401(K) PLAN AND TRUST

**Financial Statements
As of and for the Years Ended
December 31, 2022 and 2021
And
Supplemental Schedules
As of and For the Year Ended
December 31, 2022**

**Torrillo &
Associates** Certified Public Accountants

Avantor Retirement Savings 401(k) Plan and Trust Index

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Supplemental Schedules:	
Schedule H, Line 4(i) – Schedule of Assets (Held at End of Year)	S.1
Schedule H, Line 4(a) – Schedule of Delinquent Participant Contributions	S.2
• The supplemental schedules included are presented for purposes of additional analysis and are not a required part of the financial statements but are required by the Employee Retirement Income Security Act of 1974, as amended ("ERISA"). Other schedules required by section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA have been omitted because they are not applicable.	

INDEPENDENT AUDITOR'S REPORT

To the Participants and Plan Administrator of the Avantor Retirement Savings 401(k) Plan and Trust

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the accompanying financial statements of the Avantor Retirement Savings 401(k) Plan and Trust, an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 ("ERISA"), as permitted by ERISA Section 103(a)(3)(C) ("ERISA Section 103(a)(3)(C) audit"). The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Plan management, having determined it is permissible in the circumstances, has elected to have the audits of the Avantor Retirement Savings 401(k) Plan and Trust's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan ("investment information") by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA ("qualified institution").

Plan management has obtained certifications from qualified institutions as of and for the years ended December 31, 2022 and 2021, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section:

- the amounts and disclosures in the financial statements referred to above, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.
- the information in the financial statements referred to above related to assets held by and certified to by qualified institutions agrees to, or is derived from, in all material respects, the information prepared and certified by institutions that Plan management determined meet the requirements of ERISA Section 103(a)(3)(C).

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 Avantor Retirement Savings 401(k) Plan and Trust 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 ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Plan Management for the Financial Statements

Plan 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. Plan management's election of the ERISA Section 103(a)(3)(C) audit does not affect Plan management's responsibility for the financial statements.

In preparing the financial statements, Plan management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the ability of the Avantor Retirement Savings 401(k) Plan and Trust to continue as a going concern for one year after the date the financial statements are available to be issued.

Plan 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

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audit* section of our report, 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 internal control of the Avantor Retirement Savings 401(k) Plan and Trust. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by Plan 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 ability of the Avantor Retirement Savings 401(k) Plan and Trust to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

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.

Supplemental Schedules Required by ERISA

The supplemental Schedule H, Line 4(i) – Schedule of Assets (Held at End of Year) as of December 31, 2022 and Schedule H, Line 4(a) – Schedule of Delinquent Participant Contributions for the year ended December 31, 2022 are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of Plan management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- the form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- the information in the supplemental schedules related to assets held by and certified to by a qualified institution agrees to or is derived from, in all material respects, the information prepared and certified by an institution that Plan management determined meets the requirements of ERISA Section 103(a)(3)(C).

Touiller + Associates, LLP

October 16, 2023

Avantor Retirement Savings 401(k) Plan and Trust
Statements of Net Assets Available for Benefits
As of December 31, 2022 and 2021

	<u>2022</u>	<u>2021</u>
Assets:		
Investments, at fair value	\$ 500,960,304	\$ 585,275,198
Receivables:		
Employer contribution receivable	730,593	821,924
Employee contribution receivable	-	2,838
Notes receivable from participants	6,483,170	5,981,566
Total receivables	<u>7,213,763</u>	<u>6,806,328</u>
Total assets	508,174,067	592,081,526
Liabilities:	<u>-</u>	<u>-</u>
Net assets available for benefits	<u>\$ 508,174,067</u>	<u>\$ 592,081,526</u>

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

Avantor Retirement Savings 401(k) Plan and Trust
Statements of Changes in Net Assets Available for Benefits
For the Years Ended December 31, 2022 and 2021

	<u>2022</u>	<u>2021</u>
Additions (reductions):		
Investment (loss) income:		
Interest and dividend income	\$ 1,614,272	\$ 3,043,234
Net (depreciation) appreciation in fair value of investments	(98,811,867)	71,489,246
Total investment (loss) income	(97,197,595)	74,532,480
Interest income on notes receivable from participants	299,509	304,805
Contributions:		
Participants	35,369,669	29,651,932
Employer	18,406,192	15,545,801
Rollover	9,327,085	18,131,700
Total contributions	63,102,946	63,329,433
Total (reductions) additions	(33,795,140)	138,166,718
Deductions:		
Benefits paid to participants	49,548,514	59,643,100
Administrative expenses	563,805	621,495
Total deductions	50,112,319	60,264,595
Net (decrease) increase	(83,907,459)	77,902,123
Net assets available for benefits		
Beginning of year	592,081,526	514,179,403
End of year	<u>\$ 508,174,067</u>	<u>\$ 592,081,526</u>

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

Avantor Retirement Savings 401(k) Plan and Trust
Notes to Financial Statements
As of and for the Years Ended December 31, 2022 and 2021

1. Description of Plan

The following brief description of the Avantor Retirement Savings 401(k) Plan and Trust (the “Plan”) is provided for general information purposes only. Participants should refer to the Plan document for a more complete description of the Plan’s provisions.

General

The Plan is a contributory, defined contribution savings plan for all non-union personnel. Union employees are also eligible, provided the collective bargaining agreement calls for the employees’ participation in the Plan. The Plan covers all eligible full-time employees of Avantor Funding, Inc., formerly Avantor, Inc., (“Avantor” or the “Company”) who have 30 days of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

During 2021, the Plan changed service providers from Wells Fargo Bank, N.A. (“Wells Fargo”), the former trustee of the Plan, to Delaware Charter Guarantee and Trust Company d/b/a Principal Trust Company (“Principal”), the current trustee of the Plan. The change in service providers initiated a “Black Out” period in 2021. During this period from 4:00 pm ET, June 17, 2021, (4:00 pm ET, June 10, 2021 for Self-Directed Brokerage only), through June 21, 2021, participants’ Plan accounts were not available for investment fund exchanges and distribution requests. During the Black Out Period, funds were transferred from Wells Fargo to Principal and invested into the same investment options that were previously available.

Contributions

Participants may contribute up to 99% of their pre-tax annual compensation to the Plan, subject to certain Internal Revenue Service (“IRS”) limits. Contributions to the Plan can also include Roth after-tax salary reduction contributions authorized by participants. The Plan has an automatic enrollment feature. Eligible employees who are hired and who have not made an affirmative election to either make or not make participant contributions, will have salary deferrals made to the Plan on their behalf in an amount equal to 4% of their pay, subject to conditions in the Plan document. As detailed in the Plan document, unless the participants affirmatively elect otherwise, their salary deferrals will automatically increase on April 1st by 1% per year up to 10%. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Participants may direct the investment of their contributions into various investment options offered by the Plan. The Plan administrator may specify one or more investment funds for participants who have no valid investment election on file.

Avantor makes a matching contribution equal to 100% of each participant’s contribution up to 4% of each participant’s eligible pay. Eligible Plan participants may also receive an additional annual contribution of up to 2% of gross wages based on the Company’s financial performance results (employees who are eligible for the cash balance formula in the Avantor Pension Plan are not eligible for the additional annual contribution). The Company made additional annual contributions of \$0 and \$96,441 for the years ended December 31, 2022 and 2021, respectively.

Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans.

Participant contributions and the Company’s contributions vest immediately.

Participant Accounts

Records are maintained for each participant’s individual account. Each participant’s account is credited with the participant’s contributions and Company matching contributions, as well as allocations of the Company’s annual additional contributions, if any, and Plan earnings (losses). Participant accounts are charged with an allocation of administrative expenses that are paid by the Plan. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined in the Plan document. The benefit to which a participant is entitled is the benefit that can be provided from the participant’s vested account.

Avantor Retirement Savings 401(k) Plan and Trust
Notes to Financial Statements
As of and for the Years Ended December 31, 2022 and 2021

Notes Receivable from Participants

Participants who are employees are eligible to borrow from their account as limited by the Internal Revenue Code ("IRC") and certain other conditions as described in the Plan document. The minimum amount for any loan is \$1,000 and the maximum is 50% of the participant's vested balance, not to exceed \$50,000. Loans must be repaid within five years, except for loans transferred in from merged plans. Interest is accrued at the prime lending rate on the date of loan disbursement plus 1% (ranging from 4.25% to 9.00% as of December 31, 2022). A participant may only have one loan outstanding at any given time.

Payment of Benefits

On termination of service due to death, disability, retirement or otherwise, participants are entitled to their vested benefits. A participant may elect to receive either a lump-sum amount equal to the value of the participant's vested interest in his or her account or annual periodic installments over a period not to exceed ten years, or if less, the joint life expectancy of the participant and his or her beneficiary. In-service withdrawals and hardship distributions may also be requested and are approved by the Plan administrator provided such distributions are in accordance with the Plan document and applicable regulations.

Forfeited Accounts

Nonvested employer contributions made prior to June 1, 2005 are forfeited upon termination and can be used to offset employer contributions or to pay Plan expenses. However, if participants re-enter the Plan within a five-year period, then the nonvested amount is added back to their respective accounts upon repayment of amounts previously distributed to participants. As of December 31, 2022 and 2021, forfeited non-vested accounts totaled \$9,208 and \$55,035, respectively. During 2022 and 2021, approximately \$98,010 and \$44,357 of administrative expenses were paid from forfeited nonvested accounts. During 2022 and 2021, no forfeitures were used to fund employer contributions.

2. Summary of Significant Accounting Policies

The following are the significant accounting policies followed by the Plan:

Basis of Accounting

The financial statements of the Plan are presented on the accrual basis of accounting.

Use of Estimates

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

Investment Valuation and Income Recognition

Investments are reported at fair value. Fair value 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 Plan's investment committee determines the Plan's valuation policies utilizing information provided by trustees, custodians and investment advisors. See Note 4 for discussion of fair value measurements.

Purchases and sales of investments are recorded on a trade-date basis. Interest income is accrued when earned. Dividend income is recorded on the ex-dividend date. Net appreciation or depreciation in fair value of investments includes the Plan's gains and losses on investments bought and sold, as well as held during the year.

Notes Receivable from Participants

Notes receivable from participants (participant loans for Form 5500 reporting purposes) are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent participant loans are reclassified as distributions based upon the terms of the Plan document.

Avantor Retirement Savings 401(k) Plan and Trust
Notes to Financial Statements
As of and for the Years Ended December 31, 2022 and 2021

Payment of Benefits

Benefits are recorded when paid.

Administrative Expenses

Certain administrative expenses are paid by the Plan's sponsor, Avantor, and are excluded from these financial statements. Certain investment fees, as well as administrative expenses associated with loan set-up charges are deducted from participant accounts. Certain other administrative expenses of the Plan are paid through the Plan's trust through use of forfeitures or through income generated from revenue sharing agreements (which is reported in the statements of changes in net assets available for benefits as net appreciation or depreciation in fair value of investments). Certain investment related expenses are included in net appreciation or depreciation in fair value of investments.

3. Information Certified by Qualified Institutions

The Plan administrator having determined that it is permissible in the circumstances elected to have the audits of the Plan performed in accordance with ERISA section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Principal, the trustee of the Plan, held the Plan's investment assets and executed investment transactions as of December 31, 2022 and 2021, for the year ended December 31, 2022 and for the period from June 18, 2021 to December 31, 2021. Wells Fargo, the former trustee of the Plan, held the Plan's investment assets and executed investment transactions for the period from January 1, 2021 to June 30, 2021. Accordingly, as permitted under such election, the following information included in the accompanying financial statements and ERISA-required supplemental schedule of assets (held at end of year) was obtained or derived from information obtained by the Plan administrator and certified as complete and accurate by Principal and Wells Fargo, qualified institutions, and in accordance with 29 CFR 2520.103-5 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA:

Information obtained or derived from information supplied to the Plan administrator and certified as complete and accurate by Principal:

- Investments, at fair value, and notes receivable from participants, as shown in the statements of net assets available for benefits as of December 31, 2022 and 2021.
- Investment activity, including interest and dividend income, net (depreciation) appreciation in fair value of investments, and interest income on notes receivable from participants, as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2022.
- Investment activity, as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2021, as follows:

Interest and dividend income	2,075,568
Net appreciation in fair value of investments	28,533,353
Interest income on notes receivable from participants	166,955

- The information for all investments and the participant loans listed in the schedule of assets (held at end of year) as of December 31, 2022 as shown in the ERISA-required supplemental schedules.

Information obtained or derived from information supplied to the Plan administrator and certified as complete and accurate by Wells Fargo:

- Investment activity, including interest and dividend income, net (depreciation) appreciation in fair value of investments, and interest income on notes receivable from participants, as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2021 as follows:

Interest and dividend income	967,666
Net appreciation in fair value of investments	42,955,893
Interest income on notes receivable from participants	137,850

Avantor Retirement Savings 401(k) Plan and Trust
Notes to Financial Statements
As of and for the Years Ended December 31, 2022 and 2021

4. Fair Value Measurements

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 measurements) and the lowest priority to unobservable inputs (level 3 measurements). The three levels of the fair value hierarchy are described as follows:

- Level 1: Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.
- Level 2: Inputs to the valuation methodology include:
- Quoted prices for similar assets or liabilities in active markets;
 - Quoted prices for identical or similar assets or liabilities in inactive markets;
 - Inputs other than quoted prices that are observable for the asset or liability;
 - Inputs that are derived principally from or corroborated by observable market data by correlation or other means.
- If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.
- Level 3: Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's 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 used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in methodologies used as of December 31, 2022 and 2021.

<i>Registered investment companies (mutual funds) and self-directed accounts:</i>	Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily net asset value ("NAV") and to transact at that price. The shares of mutual funds held by the Plan are deemed to be actively traded. Self-directed accounts are limited to certain money market funds, mutual funds, and exchange-traded funds which are valued at the closing price reported on the active market on which individual securities are traded.
<i>Common collective trusts:</i>	Valued at the NAV of units of the common collective trusts held by the Plan at year end. The NAV is used as a practical expedient to estimate fair value. This practical expedient would not be used if it is determined to be probable that the Plan will sell the investment for an amount different than the reported NAV.
<i>Pooled separate account:</i>	The Plan invests in the New York Life Insurance Company Anchor Account ("NYL AA"), which is a pooled separate account issued by New York Life Insurance Company. The NYL AA has been valued at the NAV or equivalent based on units of the pooled separate account. The NAV, as provided by the insurance company, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the pooled separate account less its liabilities. This practical expedient is not used when it is determined to be probable that the Plan will sell the investment for an amount different than the reported NAV.

Avantor Retirement Savings 401(k) Plan and Trust
Notes to Financial Statements
As of and for the Years Ended December 31, 2022 and 2021

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following table sets forth by level, within the fair value hierarchy, the Plan's fair value measurements as of December 31, 2022:

	<u>Total</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>
Investments, at fair value:				
Registered investment companies				
and self-directed accounts	\$ 78,359,188	\$78,359,188	\$ -	\$ -
Common collective trusts (*)	404,186,801	-	-	-
Pooled separate account (*)	18,414,315	-	-	-
Total	<u>\$ 500,960,304</u>	<u>\$78,359,188</u>	<u>\$ -</u>	<u>\$ -</u>

The following table sets forth by level, within the fair value hierarchy, the Plan's fair value measurements as of December 31, 2021:

	<u>Total</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>
Investments, at fair value:				
Registered investment companies				
and self-directed accounts	\$ 106,357,136	\$ 106,357,136	\$ -	\$ -
Common collective trusts (*)	473,465,729	-	-	-
Pooled separate account (*)	5,452,333	-	-	-
Total	<u>\$ 585,275,198</u>	<u>\$ 106,357,136</u>	<u>\$ -</u>	<u>\$ -</u>

*In accordance with fair value measurement guidance, certain investments that are measured at fair value using the NAV per share (or its equivalent) practical expedient have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented as investments in the statements of net assets available for benefits.

The following table sets forth additional disclosures for the fair value measurement of investments in certain entities that calculate NAV per share (or its equivalent) of the Plan as of December 31, 2022 and 2021.

<u>Investment Type</u>	<u>Fair Value</u> <u>December 31,</u> <u>2022</u>	<u>Fair Value</u> <u>December</u> <u>31, 2021</u>	<u>Unfunded</u> <u>Commitments</u>	<u>Redemption</u> <u>Frequency</u>	<u>Redemption</u> <u>Notice Period</u>
Common collective trusts	\$404,186,801	\$473,465,729	\$ -	Daily	Daily
Pooled separate account	18,414,315	5,452,333	\$ -	Daily	Daily

The Plan's investment options include common collective trusts whose investment strategies are similar to target date funds and equity style funds. The objective of common collective trusts with target date strategies is to provide an age-based investment mix of stocks, bonds and short-term investments. The objectives of the common collective trusts invested in equity investments is to approximate the risk and return characterized by various indexes; to seek long term capital appreciation; provide diversified exposure representative of various segments of the U.S. or foreign equity market; and/or to seek income.

Avantor Retirement Savings 401(k) Plan and Trust
Notes to Financial Statements
As of and for the Years Ended December 31, 2022 and 2021

These common collective trusts are redeemable at NAV under agreements with the underlying common collective trusts. However, it is possible that these redemption rights may be restricted by the common collective trusts in the future in accordance with underlying common collective trust agreements. Due to the nature of the investments held by the common collective trusts, changes in market conditions and the economic environment may significantly impact the NAV of the common collective trusts, and consequently, the fair value of the Plan's interest in the common collective trusts. Furthermore, changes in the liquidity provisions of the common collective trusts may significantly impact the fair value of the Plan's interest in the common collective trusts.

The Plan invests in the NYL AA, which is a pooled separate account sponsored by New York Life Insurance Company. The NYL AA seeks to provide a low-risk stable investment option. Participants may ordinarily deposit and withdraw on a daily basis. No direct transfers from the NYL AA to a competing fund are allowed. The NYL AA is generally redeemable at NAV. However, it is possible that these redemption rights may be restricted in the future in accordance with underlying agreements. Due to the nature of the investments held by the NYL AA, changes in market conditions and the economic environment may significantly impact the NAV of the NYL AA, and consequently, the fair value of the Plan's interest in the NYL AA. Furthermore, changes in the liquidity provisions of the NYL AA may significantly impact the fair value of the Plan's interest in the NYL AA. If the Plan does not provide twelve months written notice of an intent to exit the NYL AA, the Plan's balance in the NYL AA may be subject to a market value adjustment.

5. Related-Party and Party In Interest Transactions

During 2022 and 2021, certain Plan investments included common collective trusts managed by affiliates of Principal and Wells Fargo. Principal and Wells Fargo also provide recordkeeping, trustee and custodial services for which the Plan paid approximately \$435,000 and \$471,000 during the years ended December 31, 2022 and 2021, respectively. These transactions qualify as party-in-interest transactions; however, they are exempt from the prohibited transactions rules under ERISA. Additionally, for participants who have elected to take a participant loan, the loans are secured by the respective participant's account balance.

During 2021, the Plan Sponsor failed to remit to the Plan's trustee certain employee contributions and loan repayments totaling \$2,900 within the period prescribed by the Department of Labor regulations. The Plan Sponsor took action prescribed by the regulations to remedy such errors and believes that these transactions do not affect the tax status of the Plan.

6. Plan Termination

Although it has not expressed any intent to do so, Avantor has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of the Plan's termination, participants would become 100% vested in all employer contributions.

7. Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risk. 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 assets available for benefits and the statements of changes in net assets available for benefits.

Avantor Retirement Savings 401(k) Plan and Trust
Notes to Financial Statements
As of and for the Years Ended December 31, 2022 and 2021

8. Tax Status

The IRS has determined and informed the Company by a letter dated March 29, 2012, that the Plan and related trust are designed in accordance with applicable sections of the IRC. Although the Plan has been amended since receiving the determination letter, the Plan administrator and the Plan's tax counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and therefore believe that the Plan is qualified and the related trust is tax-exempt.

Accounting principles generally accepted in the United States of America require Plan 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, 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 2019.

9. Plan Amendments

On December 27, 2020, the Consolidated Appropriations Act, 2021, H.R. 133 (the "Act") was signed which continued or expanded certain provisions of the Coronavirus Aid, Relief and Economic Security Act and provides that relief sought for qualified disaster distributions could be made through June 24, 2021. During 2021, the Plan sponsor authorized Wells Fargo Bank, N.A. to implement the provisions of the Act.

10. Subsequent Events

The Plan has evaluated subsequent events through October 16, 2023, the date the financial statements were available to be issued.

SUPPLEMENTAL SCHEDULES

Avantor Retirement Savings 401(k) Plan and Trust
Schedule H, Line 4(i) – Schedule of Assets (Held at End of Year)
As of December 31, 2022

EIN: 81-3921566 Plan #002

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par or maturity value	(e) Current value
	BlackRock Total Return Fund	Registered investment company	\$ 1,965,791
	Vanguard Total Bond Market Index Fund	Registered investment company	5,031,730
	Allspring Special Small Cap Value Fund	Registered investment company	1,324,884
	JPMorgan Large Cap Growth Fund	Registered investment company	13,488,153
	Vanguard Institutional Index Fund	Registered investment company	29,559,914
	Vanguard Mid-Cap Index Fund	Registered investment company	9,634,588
	Vanguard Small-Cap Index Fund	Registered investment company	7,504,177
	EuroPacific Growth Fund	Registered investment company	1,251,898
	Vanguard Total International Stock Index Fund	Registered investment company	5,139,231
	MFS Large Cap Value Fund	Common collective trust	6,343,005
	MFS Mid Cap Growth Fund	Common collective trust	8,116,048
	Vanguard Target Retirement 2020 Trust I Fund	Common collective trust	24,060,213
	Vanguard Target Retirement 2025 Trust I Fund	Common collective trust	55,651,192
	Vanguard Target Retirement 2030 Trust I Fund	Common collective trust	79,031,408
	Vanguard Target Retirement 2035 Trust I Fund	Common collective trust	62,008,691
	Vanguard Target Retirement 2040 Trust I Fund	Common collective trust	56,782,036
	Vanguard Target Retirement 2045 Trust I Fund	Common collective trust	41,485,578
	Vanguard Target Retirement 2050 Trust I Fund	Common collective trust	30,674,107
	Vanguard Target Retirement 2055 Trust I Fund	Common collective trust	18,119,536
	Vanguard Target Retirement 2060 Trust I Fund	Common collective trust	7,937,730
	Vanguard Target Retirement 2065 Trust I Fund	Common collective trust	2,042,509
	Vanguard Target Retirement 2070 Trust I Fund	Common collective trust	9,825
	Vanguard Target Retirement Income Trust I Fund	Common collective trust	11,924,923
	NYL Saver Anchor Account	Pooled separate account	18,414,315
*	Self-directed accounts	Self-directed accounts	3,458,822
*	Participant loans	Interest rates from 4.25% to 9.00% through 2028	6,483,170
			<u>\$ 507,443,474</u>

* Party-in-interest

"Cost" is not required as all the investments are participant-directed. The cost value of participant loans is \$0.

The information in this schedule has been derived from and certified as to its completeness and accuracy by Principal Trust Company, a qualified institution.

Avantor Retirement Savings 401(k) Plan and Trust
Schedule H, Line 4(a) – Schedule of Delinquent Participant Contributions
For the Year Ended December 31, 2022

	EIN: 81-3921566 Plan #002			
Participant Contributions Transferred Late to Plan	Total that Constitute Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP and PTE 2002-51
Check Here if Late Participant Loan Repayments are included:[X]	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	
2021* \$2,900	-	\$2,900	-	-

- * During 2021, the Plan Sponsor failed to remit to the Plan's trustee certain employee contributions and loan repayments totaling \$2,900 within the period prescribed by the Department of Labor regulations. The Plan Sponsor took action prescribed by the regulations to remedy such errors and believes that these transactions do not affect the tax status of the Plan.

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

A R S 401() P T

EIN 81 3921566
 PLAN NUMBER 002
 PLAN YEAR 01/01/2022 TO 12/31/2022

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	SEI TRUST COMPANY	Registered Investment Company Allspring Spec Sm Cp Value R6	\$ 0.00	\$ 1,324,883.55
	The American Funds	Registered Investment Company Am Fds EuroPacific Grth R6 Fd	\$ 0.00	\$ 1,251,897.60
	BlackRock	Registered Investment Company BlackRock Total Return K Fund	\$ 0.00	\$ 1,965,790.63
	JP Morgan Funds	Registered Investment Company JP Morgan Large Cap Gr R6 Fd	\$ 0.00	\$ 13,488,153.21
	WILMINGTON TRUST, N.A.	Common/Collective Trust MFS LARGE CAP VALUE CIT CL CT	\$ 0.00	\$ 6,343,005.26
	Wilmington Trust, N.A.	Common/Collective Trust MFS MID CAP GROWTH FD CL CT	\$ 0.00	\$ 8,116,047.46
	NEW YORK LIFE INSURANCE COMPANY	Pooled Separate Accounts NEW YORK LIFE SV ANCHOR ACCT	\$ 0.00	\$ 18,414,314.62
	Schwab Funds	Brokerage Account Self-Directed Brokerage Acct	\$ 0.00	\$ 3,458,822.50
	Vanguard Group	Registered Investment Company Vanguard Instl Idx Instl Fund	\$ 0.00	\$ 29,559,914.14
	Vanguard Group	Registered Investment Company Vanguard Mid Cp Idx Instl Fund	\$ 0.00	\$ 9,634,588.41
	Vanguard Group	Registered Investment Company Vanguard Sm Cap Index Inst Fd	\$ 0.00	\$ 7,504,176.65
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2020 Tr I	\$ 0.00	\$ 24,060,212.48
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2025 Tr I	\$ 0.00	\$ 55,651,192.08
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2030 Tr I	\$ 0.00	\$ 79,031,407.71
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2035 Tr I	\$ 0.00	\$ 62,008,691.01

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

A R S 401() P T

EIN 81 3921566
 PLAN NUMBER 002
 PLAN YEAR 01/01/2022 TO 12/31/2022

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2040 Tr I	\$ 0.00	\$ 56,782,035.67
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2045 Tr I	\$ 0.00	\$ 41,485,577.53
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2055 Tr I	\$ 0.00	\$ 18,119,535.51
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2060 Tr I	\$ 0.00	\$ 7,937,730.08
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Target Rtmt 2065 Tr I	\$ 0.00	\$ 2,042,509.13
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Trgt Rtmt Inc Trst I	\$ 0.00	\$ 11,924,922.77
	Vanguard Fiduciary Trust Company	Common/Collective Trust Vanguard Trgt Rtmt 2050 Tr I	\$ 0.00	\$ 30,674,106.96
	Vanguard Group	Registered Investment Company Vanguard Ttl Bd Mkt Idx Inst	\$ 0.00	\$ 5,031,729.50
	Vanguard Group	Registered Investment Company Vgd Ttl Intl Stk Idx Inst Fund	\$ 0.00	\$ 5,139,231.27
	VANGUARD FIDUCIARY TRUST COMPANY	Common/Collective Trust VANGUARD TAR RET 2070 TR I	\$ 0.00	\$ 9,826.88
*	Participant Loans	Range of Interest Rates Rates Range From 4.25% To 9.00%	\$ 0.00	\$ 6,483,170.00