

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>NEW YORK ACADEMY OF SCIENCES RA PLAN</u>	1b Three-digit plan number (PN) ▶	<u>001</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>NEW YORK ACADEMY OF SCIENCES</u> <u>115 BROADWAY, 8TH FLOOR</u> <u>NEW YORK, NY 10006</u>	1c Effective date of plan <u>01/01/1968</u>	2b Employer Identification Number (EIN) <u>13-1773640</u>
	2c Plan Sponsor's telephone number <u>212-298-8600</u>	2d Business code (see instructions) <u>611000</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.	10/13/2023	LALITAA J. ISAHACK
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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		5 335
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) 50
a(2) Total number of active participants at the end of the plan year		6a(2) 46
b Retired or separated participants receiving benefits		6b 0
c Other retired or separated participants entitled to future benefits.....		6c 288
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 334
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 3
f Total. Add lines 6d and 6e		6f 337
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 337
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2L 2G		
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 NEW YORK ACADEMY OF SCIENCES RA PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 NEW YORK ACADEMY OF SCIENCES	D Employer Identification Number (EIN) 13-1773640	

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 TIAA-CREF
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(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
13-1624203	69345	367190	301	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

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	6963458
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	16004241

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..... Specify nature of costs ▶	6d	

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	6916590
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c	Additions: (1) Contributions deposited during the year	7c(1)	34288
	(2) Dividends and credits	7c(2)	0
	(3) Interest credited during the year	7c(3)	273965
	(4) Transferred from separate account	7c(4)	192638
	(5) Other (specify below)	7c(5)	30794

▶ PLAN SERVICE CREDIT, LOAN INTEREST, LOAN REPAYMENT

(6) Total additions	7c(6)	531685
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	7448275
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e Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	238980
(2) Administration charge made by carrier	7e(2)	0
(3) Transferred to separate account	7e(3)	207866
(4) Other (specify below)	7e(4)	37971

▶ FEES

(5) Total deductions	7e(5)	484817
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	6963458
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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)	0
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)	0
(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)	0
(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 NEW YORK ACADEMY OF SCIENCES RA PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 NEW YORK ACADEMY OF SCIENCES	D Employer Identification Number (EIN) 13-1773640	

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	
TIAA-CREF INVESTMENT MANAGEMENT,LLC	730 THIRD AVENUE NEW YORK, NY 10017
13-3586142	

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

(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)

RESOURCES INVESTMENTS ADVISORS, INC

11101 SWITZER RD. SUITE 200
OVERLAND PARK, KS 66210

43-1451524

(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	NONE	37971	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

TIAA

730 THIRD AVE.
NEW YORK, NY 10017-3206

13-1624203

(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 27 37 50 64	NONE	200	Yes ☒ No ☐	Yes ☒ No ☐	0	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
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

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

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 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 NEW YORK ACADEMY OF SCIENCES RA PLAN	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 NEW YORK ACADEMY OF SCIENCES	D Employer Identification Number (EIN) 13-1773640	

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: TIAA REAL ESTATE		
b Name of sponsor of entity listed in (a): TIAA-CREF		
c EIN-PN 13-1624203-004	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1422841
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

Part II **Information on Participating Plans (to be completed by DFEs)**

(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
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>NEW YORK ACADEMY OF SCIENCES RA PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>NEW YORK ACADEMY OF SCIENCES</u>	D Employer Identification Number (EIN) <u>13-1773640</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)		
(2) Participant contributions.....	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans.....	1c(8)	117014	108127
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	1208547	1422841
(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)	23583333	18130212
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	6916592	6963458
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	31825486	26624638

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	31825486	26624638
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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)	248162	
(B) Participants	2a(1)(B)	536656	
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		784818
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)	4897	
(F) Other	2b(1)(F)	304736	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		309633
(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)	83887	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		83887
(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)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		107191
(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)		-4437848
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-3152319
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	1979816	
(2) To insurance carriers for the provision of benefits	2e(2)	30618	
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		2010434
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)	37971	
(2) Contract administrator fees	2i(2)	124	
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		38095
j Total expenses. Add all expense amounts in column (b) and enter total	2j		2048529
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-5200848
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: EISNERAMPER LLP

(2) EIN: 87-1363769

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		X	

	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.)			
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.)			
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.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
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?			
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?			
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.)			
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?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
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 NEW YORK ACADEMY OF SCIENCES RA PLAN		B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 NEW YORK ACADEMY OF SCIENCES		D Employer Identification Number (EIN) 13-1773640
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): 13-1624203		
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 7
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
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐
19	If the total number of participants is 1,000 or more, complete lines (a) 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 _____

NEW YORK ACADEMY OF
SCIENCES RA PLAN

FINANCIAL STATEMENTS

AS OF DECEMBER 31, 2022 and 2021
AND
FOR THE YEAR ENDED DECEMBER 31, 2022
(with supplemental information)

NEW YORK ACADEMY OF SCIENCES RA PLAN

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INDEPENDENT AUDITORS' REPORT

The Board of Governors of
New York Academy of Sciences
as Plan Administrator for the
New York Academy of Sciences RA Plan
and Plan Participants and Beneficiaries

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

We have performed audits of the financial statements of the New York Academy of Sciences RA Plan (the "Plan"), 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 statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan'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).

Management has obtained certifications from a qualified institution as of December 31, 2022 and 2021, and for the year ended December 31, 2022, stating that the certified investment information, as described in Note C 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 Auditors' Responsibilities for the Audit of the Financial Statements section:

- the amounts and disclosures in the accompanying financial statements, 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 accompanying financial statements 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 management determined meets 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 Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

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

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

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



In performing an audit in accordance with GAAS, we:

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

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, 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.

Other Matters

Supplemental Schedule Required by ERISA

The supplemental schedule of assets (held at end of year) as of December 31, 2022 is presented for purposes of additional analysis and is not a required part of the financial statements, but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, 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 schedule 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 schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including the form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- the form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is 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 schedule 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 management determined meets the requirements of ERISA Section 103(a)(3)(C).

EisnerAmper LLP

EISNERAMPER LLP
New York, New York
October 12, 2023

EISNERAMPER
LLP



NEW YORK ACADEMY OF SCIENCES RA PLAN

Statements of Net Assets Available for Benefits

	December 31,	
	2022	2021
ASSETS		
Investments, at fair value	\$ 19,553,053	\$ 24,791,880
Investments, at contract value	<u>6,963,458</u>	<u>6,916,592</u>
	26,516,511	31,708,472
Notes receivable from participants	<u>108,127</u>	<u>117,014</u>
Net assets available for benefits	<u>\$ 26,624,638</u>	<u>\$ 31,825,486</u>

NEW YORK ACADEMY OF SCIENCES RA PLAN

Statement of Changes in Net Assets Available for Benefits Year Ended December 31, 2022

Additions:

Investment income (loss):

Net realized and unrealized depreciation in value of investments \$ (4,079,676)

Interest – TIAA Traditional Annuity 53,755

Dividends 83,887

(3,942,034)

Interest income on notes receivable from participants 4,897

Contributions from:

Employer 248,162

Participant 536,656

784,818

Total additions (3,152,319)

Deductions:

Benefits paid to participants (2,010,434)

Administrative fees (38,095)

Total deductions (2,048,529)

Net decrease in net assets available for benefits **(5,200,848)**

Net assets available for benefits – beginning of year 31,825,486

Net assets available for benefits – end of year **\$ 26,624,638**

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE A - DESCRIPTION OF PLAN

The financial statements and supplemental schedule are those of the New York Academy of Sciences RA Plan (the "Plan") and users of these financial statements and supplemental schedule are directed to the independent auditors' report on pages 1 through 4. Likewise, the brief description of the Plan contained herein is provided solely for purposes of general information, and interested persons should refer to the Plan agreement for a more complete description of the Plan's provisions. A copy of the Plan agreement can be obtained from the New York Academy of Sciences (the "Academy"), which is the administrator of the Plan.

[1] General:

The Plan is a defined contribution plan designed to meet the requirements of Section 403(b) of the Internal Revenue Code (the "Code") and is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"), as amended. The Plan covers all eligible employees of New York Academy of Sciences, Inc. The Teachers Insurance and Annuity Association of America ("TIAA") and the College Retirement Equities Fund ("CREF") are the insurance companies for the Plan's annuity contracts. TIAA is the Plan's record-keeper. The Plan administrator controls and manages the operation and administration of the Plan.

[2] Eligibility for participation:

Effective January 1, 2018, employees are eligible to participate in the deferral portion of the Plan upon employment. An employee who is at least 21 years of age and has attained one year of service must defer at least 3% of pay into the Plan as a condition of employment. Certain employees may be excluded from participation if they fall within the specific categories for exclusion as defined in the Plan agreement.

[3] Contributions:

Elective deferrals: Effective January 1, 2017, participants may elect to contribute a certain percentage of their annual gross compensation, subject to limitations as provided by the Internal Revenue Code. Catch-up contributions are permitted under the Plan for those participants who have attained age 50 before the end of the Plan year and who are therefore eligible to make catch-up contributions in amounts up to \$6,500. In no event may a participant's pre-tax contributions exceed any statutory limitations. Participants may also roll-over contribution amounts representing distributions from other qualified plans.

Employer contributions: Based on the above noted eligibility for the mandatory employee contribution of 3%, the Academy makes a contribution of 5% of the participant's eligible compensation, subject to statutory limitations.

[4] Participant accounts:

The activity in each participant's account includes: (i) the participant's contributions; (ii) the Academy's contributions; (iii) benefit payments or withdrawals; (iv) allocations of the earnings or losses on Plan assets; and (v) allocated administrative expenses, if any. Allocations are based on participant earnings, account balances, or eligible compensation, as defined in the Plan agreement.

[5] Vesting:

Participants are vested in all contributions to the Plan, plus actual earnings thereon, immediately when made.

[6] Payment of benefits:

Upon termination of service due to death, disability, or retirement, a participant may elect to receive: (i) a lump-sum payment; (ii) a partial payment; (iii) installment payments; or (iv) an annuity contract in an amount equal to the total value of his or her account as of the most recent valuation date. For termination of service due to other reasons, a participant may receive the value of his or her account as a lump-sum distribution as of the most recent valuation date.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE A - DESCRIPTION OF PLAN (CONTINUED)

[7] Notes receivable from participants:

Notes receivable from participants are measured at their unpaid principal balance, plus any accrued but unpaid interest. Participants may borrow from their fund accounts a minimum of \$1,000, up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance. Loan terms range from one to five years; however, terms may exceed five years for the purchase of a primary residence, which are to be repaid within ten years. The loans are secured by the balance in the participant's account and bear interest at a rate of prime plus 1%, as defined. Principal and interest are paid ratably through payroll deductions. Interest rates on outstanding loan amounts are 4.25% as of December 31, 2022 and 4.25% as of December 31, 2021. Delinquent notes receivable from participants are reclassified as distributions based upon the terms of the Plan document. Related fees are recorded as administrative expenses and are expensed when they are incurred.

[8] Plan loans:

Participants may borrow from TIAA, the insurance company, and use a portion of their Plan account balance as collateral for the loan. The collateral is held in the TIAA Traditional Annuity as part of the Group Supplemental Retirement Annuity ("GSRA") contract. The collateral must be 110% of the loan, and payments on the loan, are made outside of the Plan. As of December 31, 2022 and December 31, 2021, approximately \$73,000 and \$84,000, respectively, of Plan assets were pledged as collateral for such loans made by the insurance company. Participants may borrow up to a maximum equal to the lesser of \$50,000 or 45% of his or her vested account balance, subject to annuity contract and Plan provisions. Loan terms range from one to five years in one-year increments; however, terms may exceed five years for the purchase of the participant's primary residence, which are to be repaid within ten years. Interest rate on outstanding loan amounts range from 4.00% to 5.18%. Principal and interest is paid ratably by the participant to TIAA and each payment reduces the amount collateralized. Effective October 15, 2019, these loans are no longer provided by the Plan. All loans as of October 15, 2019 will remain and will be paid back in accordance with the borrowing terms. The Plan now provides for notes receivable from participants as noted above.

During 2022, no Plan assets were distributed from the Plan.

[9] Plan termination:

Although it has not expressed any intention to do so, the Academy, as Plan administrator, has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA.

NOTE B - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

[1] Basis of accounting:

The financial statements and supplemental schedule have been prepared using the accrual method of accounting.

Investments held by a defined-contribution plan are required to be reported at fair-value, except for fully benefit-responsive investment contracts. Contract value is the relevant measure for the portion of the net assets available for benefits of the defined-contribution plan attributable to fully benefit-responsive investment contracts, because contract value is the amount participants normally would receive if they were to initiate permitted transactions under the terms of the Plan.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE B - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

[2] Investment valuation and income recognition:

The Plan's investments are reported at fair-value (except for fully benefit-responsive investment contracts, which are reported at contract value), in accordance with the provisions of the Financial Accounting Standards Board's (the "FASB") Accounting Standards Codification ("ASC") Topic 820, *Fair Value Measurements*. 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. See Note D for discussion of fair value measurements. Purchases and sales of investment securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net depreciation in value of investments includes the Plan's gains and losses on investments bought and sold, as well as those held during the year.

Participants may direct their contributions into any of four Plan investment alternatives: (i) fixed annuity contracts; (ii) variable annuity contracts; (iii) a pooled separate account; and (iv) mutual funds (see Notes D and E for further discussion of these investment alternatives).

[3] Payment of benefits:

Benefits are recorded when paid.

[4] Plan expenses:

Certain expenses of maintaining the Plan are paid by the Plan, unless otherwise paid by the Academy. Expenses that are paid by the Academy are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in the net depreciation of fair value of investments.

[5] Use of estimates:

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America ("U.S. GAAP") requires the Plan administrator to make estimates and assumptions that affect: (i) the reported amounts of net assets available for benefits at the date of the financial statements; (ii) the changes in net assets available for benefits during the reporting period; and (iii) when applicable, the disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

[6] Subsequent events:

The Plan has evaluated subsequent events through October 12, 2023, the date the financial statements were available to be issued.

NOTE C - INVESTMENT CERTIFICATION

The Plan administrator has elected the method of compliance permitted by 29 CFR 2520.103-8 of the U.S. Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, as permitted under such election, Teachers Insurance and Annuity Association of America ("TIAA") and College Retirement Equities Fund ("CREF") and TIAA and CREF on behalf of TIAA, FSB with respect only to the Plan's investments held by TIAA, FSB, a federal savings association, as directed trustee or custodian and record-keeper by TIAA for TIAA, FSB have certified the completeness and accuracy of all investments and related investment activity and notes receivable from participants and related activity in the accompanying statements of net assets available for benefits as of December 31, 2022 and 2021, the statement of changes in net assets available for benefits for the year ended December 31, 2022 and the accompanying supplemental schedule of assets (held at end of year) as of December 31, 2022.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE D - INVESTMENTS AND FAIR-VALUE MEASUREMENTS

The FASB's ASC Topic 820 provides the framework for measuring fair value. The framework 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: (1) quoted prices for similar assets or liabilities in active markets; or (2) quoted prices for identical or similar assets or liabilities in inactive markets; or (3) inputs other than quoted prices that are observable for the asset or liability; or (4) 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 the methodologies used at December 31, 2022 and 2021.

TIAA Real Estate Account – This is a pooled separate account/insurance company separate account and is a variable annuity product valued at net asset value ("NAV") per accumulation unit, as a practical expedient to measure fair value, based on the market value of the underlying real-estate holdings or other real estate-related investments. Real-estate holdings are valued principally utilizing external appraisals, which are estimates of property values based on the assessment of specialists and reported by TIAA. The TIAA Real Estate Account sometimes holds securities as well, and these are generally valued from independent pricing sources. Transactions out are limited to one per calendar quarter. The TIAA General Account provides the Real Estate Account with a liquidity guarantee.

CREF Variable Annuity Accounts – These are variable annuity accounts that invest principally in equity securities, fixed-income instruments, and short-term investments, in accordance with each portfolio's investment objectives. Each CREF account is a separate portfolio with its own investment objective and strategies. Investments in a CREF Variable Annuity Account enable a unit-holder to acquire units, whose accumulation unit value or NAV used a practical expedient to measure fair value, is calculated each business day. The value of a unit-holder's investment rises and falls with the returns on the underlying assets. Account investments are primarily valued using market quotations or prices obtained from independent pricing sources that may employ various pricing methods to value the investments, including matrix pricing.

CREF Money Market Account – This account's portfolio securities are valued using their amortized cost. This valuation method does not factor in unrealized gains or losses on the account's portfolio securities. Amortized cost valuation involves first valuing a security at its cost, and thereafter assuming a constant amortization to maturity of any discount or premium, regardless of the impact of fluctuating interest rates on the security's market value.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE D - INVESTMENTS AND FAIR-VALUE MEASUREMENTS (CONTINUED)

Accumulation units in the CREF Money Market account are transacted at the accumulation unit value. Participants will be locked out of a CREF Money Market Account for 90 days if a purchase, sale, and repurchase within that account is made within a 60-day period, other than for the CREF Money Market Account.

TIAA Access Annuities – TIAA Access Annuity is a separate account of TIAA and is a variable annuity registered with the SEC as an investment company under the Investment Company Act of 1940. It operates as a unit investment trust and invests in shares of underlying mutual funds. Contributions to TIAA Access Annuity buy accumulation units whose value is calculated daily. The accumulation units are valued at NAV as a practical expedient to measure fair value. The value of a participant's investment rises and falls with the return on the underlying assets.

TIAA-CREF Funds – These funds invest principally in equity securities, fixed-income instruments, other mutual funds, and short-term instruments in accordance with each fund's investment objectives. Fund holdings are generally valued using market quotations or prices obtained from independent pricing services, except those held by the TIAA-CREF Money Market Fund, whose holdings are valued at amortized cost. Shares of TIAA-CREF funds are valued at NAV per share as a practical expedient. Certain funds charge a 2% redemption fee on redemptions of shares occurring within 60 days of the initial purchase date. The funds impose a restriction whereby an investor is locked out of a fund for 90 days if a purchase, sale and repurchase within a fund is made within a 60-day period, other than for the TIAA-CREF Money Market Fund or TIAA-CREF Short-Term Bond Fund.

Mutual Funds – These are valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-ended mutual funds that are registered with the SEC. These funds are required to publish their daily NAV and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

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

The following tables set forth the Plan's investments at fair value as of each Plan year-end:

	December 31, 2022			
	Level 1	Level 2	Level 3	Total
Pooled separate account at NAV (A)	\$ -	\$ -	\$ -	\$ 1,422,841
Variable annuity contracts at NAV (A) (B)	-	-	-	14,093,723
Mutual funds	<u>4,036,489</u>	<u>-</u>	<u>-</u>	<u>4,036,489</u>
	<u>\$ 4,051,262</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 19,553,053</u>
	December 31, 2021			
	Level 1	Level 2	Level 3	Total
Pooled separate account at NAV (A)	\$ -	\$ -	\$ -	\$ 1,208,547
Variable annuity contracts at NAV (A) (B)	-	-	-	19,878,571
Mutual funds	<u>3,704,762</u>	<u>-</u>	<u>-</u>	<u>3,704,762</u>
	<u>\$ 3,704,762</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 24,791,880</u>

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE D - INVESTMENTS AND FAIR-VALUE MEASUREMENTS (CONTINUED)

- (A) Certain investments that are measured at fair value using the NAV per share (or its equivalent unit) as a 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 in the statements of net assets available for benefits.
- (B) The strategy of these investments is generally embedded in the name of the particular account as shown on the supplemental schedule of assets (held at end of year).

The CREF Stock Account seeks a favorable long-term rate of return through capital appreciation and investment income by investing primarily in a broadly diversified portfolio of common stocks. Under normal circumstances, the account invests at least 80% of its assets in equity securities of foreign and domestic companies.

The CREF Bond Market Account seeks a favorable long-term rate of return, primarily through high current income consistent with preserving capital. Under normal circumstances, the account invests at least 80% of its assets in a broad range of fixed-income securities. The majority of the accounts assets are invested in U.S. Treasury and other governmental agency securities, corporate bonds and mortgage-backed or other asset-backed securities.

The CREF Global Equities Account seeks a favorable long-term rate of return through capital appreciation and income from a broadly diversified portfolio that consists primarily of foreign and domestic common stocks. Under normal circumstances, the account invests at least 80% of its assets in equity securities of foreign and domestic companies.

The CREF Growth Account seeks a favorable long-term rate of return, mainly through capital appreciation, primarily from a diversified portfolio of common stocks that present the opportunity for exceptional growth. Under normal circumstances, the account invests at least 80% of its assets in common stocks and other equity securities. The account invests primarily in large, well-known, established companies, particularly those with new or innovative products, services or processes that may enhance future earnings prospects.

The CREF Equity Index Account seeks a favorable long-term rate of return from a diversified portfolio selected to track the overall market for common stocks publicly traded in the United States, as represented by a broad stock market index. The account buys most, but not necessarily all, of the securities in its benchmark, the Russell 3000® Index, and will attempt to create a portfolio that closely matches the overall investment characteristics of this index.

The CREF Social Choice Account seeks a favorable long-term rate of return that reflects the investment performance of the financial markets while giving special consideration to certain social criteria. The account is balanced, with assets divided between domestic and foreign stocks and other equities (about 60%) and bonds and other fixed income securities, including money market instruments (about 40%). The account invests only in companies that are suitable from a financial perspective and whose activities are consistent with certain environmental, social and governance criteria.

Changes in Fair Value Levels

The availability of observable market data is monitored to assess the appropriate classification of financial instruments within the fair-value hierarchy. Changes in economic conditions or model-based valuation techniques may require the transfer of financial instruments from one fair value level to another.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE E - INVESTMENTS AT CONTRACT VALUE

TIAA Traditional Annuity – The TIAA Traditional Annuity is a fixed-rate annuity contract that is fully and unconditionally guaranteed by TIAA. The guarantees and returns of the TIAA Traditional Annuity are backed by TIAA's claims-paying ability. Liquidity restrictions apply to the TIAA Traditional Annuity under certain types of annuity contracts. The TIAA Traditional Annuity provides a guarantee of principal, a guaranteed minimum rate of interest (generally 3%, or for Retirement Choice ("RC") and Retirement Choice Plus ("RCP"), between 1% and 3%) and the potential for additional interest if declared by TIAA.

Additional interest, when declared, remains in effect for the "declaration year," which begins each March 1st. Additional interest is not guaranteed for future years. Contributions to a participant's account purchase a guaranteed amount of lifetime annuity income. When a participant's account in the TIAA Traditional is annuitized based on available options, the present value of the stream of payments is equal to the account balance. The subsequent stream of annuity payments occurs outside of the Plan and does not represent an obligation of the Plan. The TIAA Traditional Annuity is fully benefit-responsive and is reported at contract value. The contract value equals the accumulated cash contributions, interest credited to the contracts, and transfers, if any, less any withdrawals and transfers. The TIAA Traditional Annuity is not available for sale or transfer on any securities exchange.

The TIAA Traditional Annuity within the Supplemental Retirement Annuity ("SRA"), GSRA and RCP contracts have no liquidity restrictions. The TIAA Traditional Annuity holdings within the Retirement Annuity ("RA"), Transfer Payout Annuity ("TPA") and RC contracts have liquidity restrictions.

The RA contract does not allow lump-sum cash withdrawals and transfers must be spread over a period of ten annual installments.

For the RC contracts, transfers and withdrawals from the TIAA Traditional Annuity are limited. Withdrawals must be taken in 84 monthly installments made in 120 days following termination of employment (transfer payout annuity), except that a lump-sum distribution is available if permitted under the plan in the 120-day period following termination of employment, with a 2.5% surrender charge. The contract value equals the accumulated cash contributions and interest credited to the contract, less any withdrawals. The transfer payout annuity allows participants to transfer or withdraw their TIAA Traditional Annuity in ten annual installments.

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

Certain events might limit the ability of the Plan to transact at contract value with the contract issuer. These events may be different under each contract. Examples of such events include the following:

1. The Plan's failure to qualify under Section 401(a) of the Code or the failure of the trust to be tax-exempt under Section 501(a) of the Code;
2. Premature termination of the contracts;
3. Plan termination or merger;
4. Changes to the Plan's prohibition on competing investment options; and
5. Bankruptcy of the Plan sponsor or other Plan sponsor events (for example, divestitures or spinoffs of a subsidiary) that significantly affect the Plan's normal operations.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE E - INVESTMENTS AT CONTRACT VALUE (CONTINUED)

In addition, certain events allow the issuer to terminate the contracts with the Plan and settle at an amount different from contract value. Those events may be different under each contract. Examples of such events include the following:

1. An uncured violation of the Plan's investment guidelines;
2. A breach of material obligation under the contract;
3. A material misrepresentation; and
4. A material amendment to the agreements without the consent of the issuer.

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

NOTE F - RISKS AND UNCERTAINTIES

The Plan's investments are included in various investment alternatives made available by TIAA, CREF and TIAA, FSB. Investment securities are exposed to various risks, such as interest-rate, market, credit, liquidity, and market-perception risks, as well as risks related to the financial strength of the insurance companies. Due to the level of risk associated with any investment, it is at least reasonably possible that changes in the values of the Plan's investments will occur in the near term, and such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

Volatility in the financial markets may significantly impact the subsequent valuation of the Plan's investments. Accordingly, the valuations of investments at December 31, 2022 may not necessarily be indicative of amounts that could be realized in a subsequent market exchange.

NOTE G - RELATED PARTY AND PARTY-IN-INTEREST TRANSACTIONS

Substantial portions of the Plan's investments are fixed and variable annuity contracts and a pooled separate account, which are sponsored by TIAA and CREF, and mutual funds with TIAA, FSB. TIAA is the Plan's record-keeper, TIAA and CREF are the Plan's insurance companies, and TIAA, FSB is the Plan's custodian of mutual fund investments. Therefore, transactions related to these investments qualify as party-in-interest transactions. The Plan also pays accounting and investment advisory fees. As a service provider to the Plan, these transactions qualify as party-in-interest transactions. Fees paid by the Plan to this service provider were \$38,095 for the year ended December 31, 2022.

The insurance company provides certain administrative services to the Plan and receives revenue from mutual fund providers for services the insurance company provides to the funds. This revenue is used to offset certain amounts owed to the insurance company for its administrative services to the Plan. If the revenue received by the insurance company from such mutual fund service providers exceeds the amounts owed, the insurance company remits the excess to the Plan pursuant to the service agreement. Such amounts may be applied to pay Plan administrative expenses or allocated to the accounts of the participants, depending on the Plan's provisions. For the year ended December 31, 2022, \$38,095 was used to pay Plan expenses.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Notes to Financial Statements December 31, 2022 and 2021

NOTE H - TAX STATUS

The Plan has adopted a Volume Submitter 403(b) Plan sponsored by New York Academy of Sciences, Inc. On August 7, 2017, the Internal Revenue Service ("IRS") stated in an advisory letter that the Volume Submitter adopted by the Plan, as then designed, was in compliance with applicable requirements of the Internal Revenue Code ("IRC") and therefore, the related trust is exempt from taxation. The Plan has been amended since receiving the letter. However, the Plan administrator believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC. Therefore, the Plan administrator believes that the Plan is qualified, and the related trust is tax-exempt.

U.S. GAAP require the Plan's management to evaluate tax positions taken by the Plan and to 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 a government authority.

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 either recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine examinations by taxing jurisdictions; however, there are currently no examinations for any tax periods in progress.

NOTE I - MUTUAL FUND FEES

Investments in mutual funds are subject to sales charges in the form of front-end loads, back-end loads, or Section 12b-1 fees, which are ongoing fees allowable under the Investment Company Act of 1940, and are annual fees deducted to pay for marketing and distribution costs of the funds. These fees are deducted prior to the allocation of the Plan's investment earnings activity, and they are therefore not separately identifiable as expenses.

SUPPLEMENTAL INFORMATION

NEW YORK ACADEMY OF SCIENCES RA PLAN

Employer Identification No. 13-1773640, Plan No. 001

Form 5500 – Schedule H, Part IV, Item 4(i) – Schedule of Assets (Held at End of Year)

December 31, 2022

(a)	(b)	(c)	(e)
	Identity of Issue, Borrower, Lessor or Similar Party	Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Current Value
	Fixed annuity accounts:		
*	TIAA	TIAA Traditional Annuity (contract value)	<u>\$ 6,963,458</u>
	Pooled separate account:		
*	TIAA	TIAA Real Estate	<u>1,422,841</u>
	Variable annuity contracts:		
*	CREF	CREF Stock	3,998,363
*	CREF	CREF Money Market	633,042
*	CREF	CREF Social Choice	571,232
*	CREF	CREF Global Equities	2,163,599
*	CREF	CREF Growth	1,684,972
*	CREF	CREF Equity Index	1,320,912
*	TIAA	CREF Inflation-Linked Bond	424,215
*	TIAA	TIAA Access Lifecycle 2010	40,821
*	TIAA	TIAA Access Lifecycle 2015	8,665
*	TIAA	TIAA Access Lifecycle 2020	424,412
*	TIAA	TIAA Access Lifecycle 2025	17,634
*	TIAA	TIAA Access Lifecycle 2030	236,706
*	TIAA	TIAA Access Lifecycle 2035	252,261
*	TIAA	TIAA Access Lifecycle 2040	121,554
*	TIAA	TIAA Access Lifecycle 2045	242,982
*	TIAA	TIAA Access Lifecycle 2050	204,168
*	TIAA	TIAA Access Lifecycle 2055	13,889
*	TIAA	TIAA Access Lifecycle 2060	884
*	TIAA	TIAA Access Lifecycle Retirement	75
*	TIAA	TIAA Access Core Bond Plus	10,906
*	TIAA	TIAA Access Equity Index	33,215
*	TIAA	TIAA Access Growth and Income	111,235
*	TIAA	TIAA Access International Equity Index	284,808
*	TIAA	TIAA Access Large-Cap Growth Index	272,537
*	TIAA	TIAA Access Large-Cap Value Index	323,845
*	TIAA	TIAA Access Mid-Cap Growth Index	140,434
*	TIAA	TIAA Access Mid-Cap Value Index	107,652
*	TIAA	TIAA Access Real Estate Secs	129,877
*	TIAA	TIAA Access Small-Cap Blend Index	98,769
*	TIAA	TIAA Access Social Choice Equity	107,685
*	TIAA	TIAA Access Quant Small Cap Index	<u>112,374</u>
			<u>14,093,723</u>

NEW YORK ACADEMY OF SCIENCES RA PLAN

Employer Identification No. 13-1773640, Plan No. 001

Form 5500 – Schedule H, Part IV, item 4(i) – Schedule of Assets (Held at End of Year) (continued)

December 31, 2022

(a)	(b)	(c)	(e)
	Identity of Issue, Borrower, Lessor or Similar Party	Description of Investment Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Current Value
	Mutual funds:		
*	CREF	CREF Core Bond	\$ 487,679
*	TIAA and CREF	TIAA-CREF Lifecycle 2015	205,237
*	TIAA and CREF	TIAA-CREF Lifecycle 2020	2,050
*	TIAA and CREF	TIAA-CREF Lifecycle 2025	210,627
*	TIAA and CREF	TIAA-CREF Lifecycle 2030	501,289
*	TIAA and CREF	TIAA-CREF Lifecycle 2035	357,191
*	TIAA and CREF	TIAA-CREF Lifecycle 2040	544,828
*	TIAA and CREF	TIAA-CREF Lifecycle 2045	423,252
*	TIAA and CREF	TIAA-CREF Lifecycle 2050	662,589
*	TIAA and CREF	TIAA-CREF Lifecycle 2055	180,743
*	TIAA and CREF	TIAA-CREF Lifecycle 2060	6,268
*	TIAA and CREF	TIAA-CREF Real Estate	62,627
	Clearbridge	Clearbridge Large Cap Growth	25,597
	Clearbridge	Clearbridge Large Cap Value	31,004
	Invesco	Invesco Main Street Mid Cap	19,648
	Janus Hender	Janus Hender Small Cap Value	9,562
	John Hancock	John Hancock Income Fund	121,581
	MFS	MFS International Diversification	40,423
	MFS	MFS New Discovery Fund	22,635
	Oakmark	Oakmark Equity and Income Investor	4,372
	Vanguard	Vanguard Total Stock Market	<u>117,287</u>
			<u>4,036,489</u>
*	Notes receivable from participants Maturity dates ranges from 2024 to 2027	Interest rate 4.25%	<u>108,127</u>
			<u>\$ 26,624,638</u>

* Party-in-interest.

NEW YORK ACADEMY OF SCIENCES RA PLAN

Employer Identification No. 13-1773640, Plan No. 001

Form 5500 – Schedule H, Part IV, Item 4(i) – Schedule of Assets (Held at End of Year)

December 31, 2022

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NEW YORK ACADEMY OF SCIENCES RA PLAN

Employer Identification No. 13-1773640, Plan No. 001

Form 5500 – Schedule H, Part IV, item 4(i) – Schedule of Assets (Held at End of Year) (continued)

December 31, 2022

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