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

2021

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

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.)
- [X] a single-employer plan
- [ ] a DFE (specify) ____

B This return/report is:
- [ ] the first return/report
- [ ] the final return/report
- [X] 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:
- [X] 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
RETIREMENT CONTRIBUTION AND 403(B) MATCHING PLAN OF THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

1b Three-digit plan number (PN) ▶ 039

1c Effective date of plan 01/01/1994

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)
TRUSTEES OF THE UNIV. OF PENN

3600 CIVIC CENTER BOULEVARD
4TH FLOOR
PHILADELPHIA, PA 19104

2b Employer Identification Number (EIN)
23-1352685

2c Plan Sponsor's telephone number
215-615-2623

2d Business code (see instructions)
622000

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.	10/18/2022	JOSEPH LALLIER
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address [X] Same as Plan Sponsor

3b Administrator's EIN

3c Administrator's telephone number

4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report:
a Sponsor's name
c Plan Name

4b EIN

4d PN

5 Total number of participants at the beginning of the plan year	**5**	19378
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)**	13812
a(2) Total number of active participants at the end of the plan year	**6a(2)**	34360
b Retired or separated participants receiving benefits	**6b**	115
c Other retired or separated participants entitled to future benefits	**6c**	4706
d Subtotal. Add lines **6a(2)**, **6b**, and **6c**	**6d**	39181
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	**6e**	32
f Total. Add lines **6d** and **6e**	**6f**	39213
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	**6g**	31925
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	**6h**	1714
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	**7**	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:

2E 2F 2G 2J 2T 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

9a Plan funding arrangement (check all that apply)

(1)	[X]	Insurance
(2)	[ ]	Code section 412(e)(3) insurance contracts
(3)	[X]	Trust
(4)	[ ]	General assets of the sponsor

9b Plan benefit arrangement (check all that apply)

(1)	[X]	Insurance
(2)	[ ]	Code section 412(e)(3) insurance contracts
(3)	[X]	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)	[X]	**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)	[X]		**H** (Financial Information)
(2)	[ ]		**I** (Financial Information – Small Plan)
(3)	[X]	2	**A** (Insurance Information)
(4)	[X]		**C** (Service Provider Information)
(5)	[X]		**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 2021 Form M-1 annual report. If the plan was not required to file the 2021 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

2021

This Form is Open to Public Inspection

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan
RETIREMENT CONTRIBUTION AND 403(B) MATCHING PLAN OF THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

B Three-digit plan number (PN) ▶ 039

C Plan sponsor's name as shown on line 2a of Form 5500
TRUSTEES OF THE UNIV. OF PENN

D Employer Identification Number (EIN)
23-1352685

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.

1 Coverage Information:

(a) Name of insurance carrier
TIAA-CREF

(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	404952	127	01/01/2021	12/31/2021

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		
	(c) Amount	**(d)** Purpose	**(e)** Organization code

(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		
	(c) Amount	**(d)** Purpose	**(e)** Organization code

(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	1467912
5	Current value of plan's interest under this contract in separate accounts at year end	5	1071

6 Contracts With Allocated Funds:

a State the basis of premium rates ▶

b	Premiums paid to carrier	6b	
c	Premiums due but unpaid at the end of the year	6c	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount.	6d	

Specify nature of costs ▶

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity

(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee

(3) ☒ guaranteed investment (4) ☐ other ▶

b	Balance at the end of the previous year			7b	1758162
c	Additions: (1) Contributions deposited during the year	7c(1)	936		
	(2) Dividends and credits	7c(2)			
	(3) Interest credited during the year	7c(3)	56539		
	(4) Transferred from separate account	7c(4)			
	(5) Other (specify below) ▶	7c(5)			
	(6) Total additions			7c(6)	57475
d	Total of balance and additions (add lines **7b** and **7c(6)**)			7d	1815637
e	Deductions:				
	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	21402		
	(2) Administration charge made by carrier	7e(2)			
	(3) Transferred to separate account	7e(3)			
	(4) Other (specify below) ▶ MISC	7e(4)	326323		
	(5) Total deductions			7e(5)	347725
f	Balance at the end of the current year (subtract line **7e(5)** from line **7d**)			7f	1467912

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 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

2021

This Form is Open to Public Inspection

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan
RETIREMENT CONTRIBUTION AND 403(B) MATCHING PLAN OF THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

B Three-digit plan number (PN) ▶ 039

C Plan sponsor's name as shown on line 2a of Form 5500
TRUSTEES OF THE UNIV. OF PENN

D Employer Identification Number (EIN)
23-1352685

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.

1 Coverage Information:

(a) Name of insurance carrier
PRUDENTIAL RETIREMENT INSURANCE AND ANNUITY COMPANY

(b) EIN	**(c)** NAIC code	**(d)** Contract or identification number	**(e)** Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	**(g)** To
06-1050034	93629	0000	1	01/01/2021	12/31/2021

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

6 Contracts With Allocated Funds:

a State the basis of premium rates ▶

b	Premiums paid to carrier	**6b**	
c	Premiums due but unpaid at the end of the year	**6c**	
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount.	**6d**	

Specify nature of costs ▶

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity

(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐

7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee

(3) ☐ guaranteed investment (4) ☐ other ▶

b	Balance at the end of the previous year			**7b**	0
c	Additions: (1) Contributions deposited during the year	**7c(1)**	109591		
	(2) Dividends and credits	**7c(2)**	10091		
	(3) Interest credited during the year	**7c(3)**			
	(4) Transferred from separate account	**7c(4)**			
	(5) Other (specify below)	**7c(5)**	893565		
	▶ EXCH				
	(6) Total additions			**7c(6)**	1013247
d	Total of balance and additions (add lines **7b** and **7c(6)**)			**7d**	1013247
e	Deductions:				
	(1) Disbursed from fund to pay benefits or purchase annuities during year	**7e(1)**	296476		
	(2) Administration charge made by carrier	**7e(2)**	12		
	(3) Transferred to separate account	**7e(3)**			
	(4) Other (specify below)	**7e(4)**			
	▶				
	(5) Total deductions			**7e(5)**	296488
f	Balance at the end of the current year (subtract line **7e(5)** from line **7d**)			**7f**	716759

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)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**2021** **This Form is Open to Public Inspection.**

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan
RETIREMENT CONTRIBUTION AND 403(B) MATCHING PLAN OF THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

B Three-digit plan number (PN) ▶ 039

C Plan sponsor's name as shown on line 2a of Form 5500
TRUSTEES OF THE UNIV. OF PENN

D Employer Identification Number (EIN)
23-1352685

Part I Service Provider Information (see instructions)

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).. . . . . [X] 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

13-1624203

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

FIDELITY INV INSTL OPS

04-2647786

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

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(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

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

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

FIDELITY INV INSTL OPS

04-2647786

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
37 64 65 71	RECORDKEEPER	313718	Yes [X] No [ ]	Yes [X] No [ ]	0	Yes [X] No [ ]

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

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

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

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

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)

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

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

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

(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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
INVESCO BALANCED - RISK ALLOCATION	11 GREENWAY PLAZA SUITE 100 HOUSTON, TX 77046	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
INVESCO GLOBAL OPPORTUNITIES A	11 GREENWAY PLAZA SUITE 100 HOUSTON, TX 77046	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
AMANA MUTUAL FUND TRUST GROWTH	1300 NORTH STATE STREET BELLINGHAM, WA 98225	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
AMERICAN AMCAP CLASS A 3500 WISEMAN BLVD SAN ANTONIO, TX 78251	$18.00

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
AMERICAN BEACON ARK TRANS INNOVTN I 220 EAST LAS COLINAS BLVD STE 1200 IRVING, TX 75039	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
AMERICAN CEN FOCUSEDDYNAMIC GROWTH 4400 MAIN ST - 1ST FLOOR KANSAS CITY, MO 64111	0.35%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
ASHMORE EMERGING MKT CORPORATE DEBT 801 S CANAL STREET CHICAGO, IL 60607	0.08%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
BARON ASSET 767 5TH AVENUE 49TH FLOOR NEW YORK, NY 10153	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
BARON PARTNERS FUND 767 5TH AVENUE 49TH FLOOR NEW YORK, NY 10153	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
BARON REAL ESTATE FUND INSTITUTIONA 767 5TH AVENUE 49TH FLOOR NEW YORK, NY 10153	0.10%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
BLACKROCK TECHNOLOGYOPPORTUNITIES C 40 EAST 52ND STREET NEW YORK, NY 10022	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
BLACKROCK EMERGING MARKETS FD INC A 40 EAST 52ND STREET NEW YORK, NY 10022	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
BLACKROCK INFLATION PRO BOND PORT I 40 EAST 52ND STREET NEW YORK, NY 10022	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
CALAMOS MARKET NEUTRAL INCOME CL I 2020 CALAMOS COURT NAPERVILLE, IL 60563	0.15%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
CAUSEWAY INTERNATNALVALUE INVESTOR P O BOX 1100 OAKS, PA 19456	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
DWS GLOBAL REAL ESTATE SECURITIES A 280 PARK AVE FINANCE NEW YORK, NY 10026	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
DWS SCIENCE AND TECHNOLOGY FUND-A 280 PARK AVE FINANCE NEW YORK, NY 10026	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
DIAMOND HILL SMALL- MID CAP FD I 325 JOHN H MCCONNELL BLVD STE 200 COLUMBUS, OH 43215	0.10%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
AMERICAN EUROPACIFICGROWTH CLASS F1	3500 WISEMAN BLVD SAN ANTONIO, TX 78251	0.37%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
FPA CRESCENT FUND	11601 WILSHIRE BLVD SUITE 1200 LOS ANGELES, CA 90025	0.35%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
FIRST EAGLE GLOBAL CLASS I	1345 AVENUE OF AMERICAS 48TH FL NEW YORK, NY 10105	0.15%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
FRANKLIN BIOTECH DISCOVERY FUND A 100 FOUNTAIN PARKWAY ST PETERSBURG, FL 33716	$16.00

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
GOLDMAN SACHS CHINA EQUITY CLASS A 71 S WACKER DRIVE 4TH FLOOR CHICAGO, IL 60606	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
GUINNESS ATKINSON ALTERNATIVE ENERG 2220 E ROUTE 66 SUITE 226 GLENDORA, CA 91740	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
OAKMARK SELECT INVESTOR CL	111 SOUTH WACKER DR CHICAGO, IL 60606	0.35%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
HARTFORD SCHRODERS US SML CAP OPPT	100 MATSONFORD RD STE 300 RADNOR, PA 19087	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
JANUS HENDERSON GLOB TECH & INNOV T	151 DETROIT ST DENVER, CO 80206	0.35%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
JPMORGAN GLOBAL ALLOCATION CLASS I 1111 POLARIS PARKWAY COLUMBUS, OH 43240	0.08%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
LORD ABBETT CONVERTIBLE FD CL A 90 HUDSON STREET 10TH FLOOR JERSEY CITY, NJ 07302	0.37%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
LORD ABBETT BOND DEBENTURE CLASS A 90 HUDSON STREET 10TH FLOOR JERSEY CITY, NJ 07302	0.37%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
MFS VALUE CLASS A	111 HUNTINGTON AVE BOSTON, MA 02199	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
MFS GROWTH FUND CLASS A	111 HUNTINGTON AVE BOSTON, MA 02199	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
MORGAN STANLEY DISCOVERY PORT CL A	522 FIFTH AVENUE 4TH FLOOR NEW YORK, NY 10036	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
MORGAN STANLEY GROWTH PORTFOLIO A	522 FIFTH AVENUE 4TH FLOOR NEW YORK, NY 10036	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
MORGAN STANLEY GLOBAL OPPORTUNITY A	522 FIFTH AVENUE 4TH FLOOR NEW YORK, NY 10036	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation		**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
EVENTIDE HEALTHCARE AND LIFE SCIENC	80 ARKAY SUITE 110 HAUPPAUGE, NY 11788	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
AMERICAN NEW ECONOMYFUND CLASS A 3500 WISEMAN BLVD SAN ANTONIO, TX 78251	$18.00

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
PARNASSUS ENDEAVOR FUND ONE MARKET STREET SAN FRANCISCO, CA 94105	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
PERMANENT PORTFOLIO 600 MONTGOMERY ST SUITE 4100 SAN FRANCISCO, CA 94111	0.38%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
PIMCO INCOME FUND CL A 1633 BROADWAY NEW YORK, NY 10019	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
T ROWE PRICE HEALTH SCIENCES 4515 PAINTERS MILL RD OWINGS MILLS, MD 21117	0.15%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
PRIMECAP ODYSSEY GROWTH FUND 2020 E FINANCIAL WAY SUITE 100 GLENDORA, CA 91741	0.10%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
ULTRA SHORT SMALL CAP PRO FDS-INVST 7501 WISCONSIN AVE SUITE 1000 BETHESDA, MD 20814	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
T ROWE PRICE BLUE CHIP GROWTH INC 4515 PAINTERS MILL RD OWINGS MILLS, MD 21117	0.15%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
RYDEX INVERSE S&P 500 STRATEGY INV 9601 BLACKWELL RD STE 500 ROCKVILLE, MD 20850	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
RYDEX INVERSE NASDAQ 100 STRATEGY I 9601 BLACKWELL RD STE 500 ROCKVILLE, MD 20850	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
RYDEX TRANSPORTATIONINVESTOR CLASS 9601 BLACKWELL RD STE 500 ROCKVILLE, MD 20850	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
RYDEX ELECTRONICS INV CLASS 9601 BLACKWELL RD STE 500 ROCKVILLE, MD 20850	0.40%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
SEGALL BRYANT HAMILL PLUS BOND INST 370 17TH STREET SUITE 5000 DENVER, CO 80202	0.12%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
SPROTT GOLD EQUITY FUND INVESTOR 200 BAY STREET SUITE 2600 TORONTO, TORONTA M5J 2J1 CA	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
T ROWE PRICE CHINA EVOLUTION EQUITY 4515 PAINTERS MILL RD OWINGS MILLS, MD 21117	0.15%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
PGIM QUANT SOLUTIONS SMALL CAP VALU 655 BROAD STREET NEWARK, NJ 07102	0.10%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
THORNBURG INTL EQUITY FUND CL I 2300 NORTH RIDGETOP RD SANTA FE, NM 87506	0.15%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
THRIVENT SMALL CAP STOCK FUND CL S 4321 N BALLARD ROAD APPLETON, WI 54919	0.15%

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
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VAN ECK CM COMMODITYINDEX FUND A 666 3RD AVENUE 9TH FL NEW YORK, NY 10017	0.38%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
VIRTUS ALLIANZGI CONVERTIBLE A 101 MUNSON ST STE 3 GREENFIELD, MA 01301	0.40%

(a) Enter service provider name as it appears on line 2	**(b)** Service Codes (see instructions)	**(c)** Enter amount of indirect compensation
FID INV INSTL OPS CO	60	0

(d) Enter name and EIN (address) of source of indirect compensation	**(e)** Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.
ALLSPRING PRECIOUS METALS FUND A 525 MARKET ST MAC #A0103-122 SAN FRANCISCO, CA 94105	0.40%

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

2021

This Form is Open to Public Inspection.

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan
RETIREMENT CONTRIBUTION AND 403(B) MATCHING PLAN OF THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

B Three-digit plan number (PN) ▶ 039

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
TRUSTEES OF THE UNIV. OF PENN

D Employer Identification Number (EIN)
23-1352685

Part I **Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)**
(Complete as many entries as needed to report all interests in DFEs)

a Name of MTIA, CCT, PSA, or 103-12 IE: TIAA REAL ESTATE

b Name of sponsor of entity listed in (a): TIAA-CREF

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)
13-1624203-004	P	0

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

SCHEDULE H (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2021

This Form is Open to Public Inspection

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan
RETIREMENT CONTRIBUTION AND 403(B) MATCHING PLAN OF THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

B Three-digit plan number (PN) ▶ 039

C Plan sponsor's name as shown on line 2a of Form 5500
TRUSTEES OF THE UNIV. OF PENN

D Employer Identification Number (EIN)
23-1352685

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	0	278120
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)	0	2323004
(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)	772885	1239019
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	658697	0
(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)	460146299	775075440
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)	1758162	2184671
(15) Other	1c(15)	0	0

			(a) Beginning of Year	**(b)** End of Year
1d	Employer-related investments:			
	(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	463336043	781100254
	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 through1j)	1k	0	0
	Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	463336043	781100254

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)	108641154	
	(B) Participants	2a(1)(B)	4165034	
	(C) Others (including rollovers)	2a(1)(C)	3100349	
	(2) Noncash contributions	2a(2)		
	(3) Total contributions. Add lines **2a(1)(A), (B), (C),** and line **2a(2)**	2a(3)		115906537
b	**Earnings on investments:**			
	(1) Interest:			
	(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)	-100344	
	(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)	56371	
	(F) Other	2b(1)(F)	66638	
	(G) Total interest. Add lines **2b(1)(A)** through **(F)**	2b(1)(G)		22665
	(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)	17633378	
	(D) Total dividends. Add lines **2b(2)(A)**, **(B)**, and **(C)**	2b(2)(D)		17633378
	(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)		286
(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)		75218220
c Other income	2c		
d Total income. Add all **income** amounts in column (b) and enter total	2d		208781086
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	38498388	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines **2e(1)** through **(3)**	2e(4)		38498388
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		1052
h Interest expense	2h		
i Administrative expenses: **(1)** Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)	327988	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		327988
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		38827428
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		169953658
l Transfers of assets:			
(1) To this plan	2l(1)		147810553
(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)** [X] 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) [X] 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: HORSEY,BUCKNER & HEFFLER LLP **(2)** EIN: 82-1803066

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:

		Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)	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?	**4e**	X		10000000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	**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.)	**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**	X		

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

2021

This Form is Open to Public Inspection.

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan
RETIREMENT CONTRIBUTION AND 403(B) MATCHING PLAN OF THE UNIVERSITY OF PENNSYLVANIA HEALTH SYSTEM

B Three-digit plan number (PN) ▶ 039

C Plan sponsor's name as shown on line 2a of Form 5500
TRUSTEES OF THE UNIV. OF PENN

D Employer Identification Number (EIN)
23-1352685

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): 23-1945930 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**

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**

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

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

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment)	**14a**	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	**14b**	
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	**14c**	

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

a The corresponding number for the plan year immediately preceding the current plan year	**15a**	
b The corresponding number for the second preceding plan year	**15b**	

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

a Enter the number of employers who withdrew during the preceding plan year	**16a**	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	**16b**	

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

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

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

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

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

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

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

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

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

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

☐ Yes.

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

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

☐ No. Other. Provide explanation _____

Financial Statements and Independent Auditor's Report

The Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System

December 31, 2021 and 2020

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INDEPENDENT AUDITOR'S REPORT

To the Plan Administrator and Fiduciary Committee of
The Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements
We have performed an audit of the financial statements of the The Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System (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 statement of net assets available for benefits as of December 31, 2021, and the related statement of changes in net assets available for benefits for the year ended December 31, 2021 and the related notes to the financial statements,

Management, having determined it is permissible in the circumstances, has elected to have the audit of the 2021 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 audit 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 a certification from a qualified institution as of December 31, 2021 and for the year ended, stating that the certified investment information, as described in Note C to the financial statements, is complete and accurate.

Opinion on the 2021 Financial Statements
In our opinion, based on our audit and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the 2021 Financial Statements section:

- the amounts and disclosures in the accompanying 2021 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 2021 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 on the 2021 Financial Statements
We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the 2021 Financial Statements section of our report. We are required to be independent of the Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion on the 2021 financial statements.

Responsibilities of Management for the 2021 Financial Statements
Management is responsible for the preparation and fair presentation of these 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 Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System's ability to continue as a going concern for one year after the date that the financial statements are available to be issued.

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

Auditor's Responsibilities for the Audit of the 2021 Financial Statements
Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit of the 2021 Financial Statements section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:
• Exercise professional judgment and maintain professional skepticism throughout the audit.
• Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
• Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System'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 Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System's ability to continue as a going concern for a reasonable period of time.

Our audit 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 2021 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 2021 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 H, Line 4i-Schedule of Assets (Held at End of Year) as of December 31, 2021 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 audit 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 their form and content, are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. In our opinion:
• the form and content of the supplemental 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).

Auditor's Report on the 2020 Financial Statements
We have audited the 2020 financial statements, and in our report dated October 15, 2021, we expressed an unmodified opinion on those 2020 financial statements.

Horsey, Buckner & Heffler, LLP

October 17, 2022

The Retirement Contribution and 403(b) Matching Plan
of the University of Pennsylvania Health System

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

December 31,

	2021	2020
Assets		
Vanguard Federal Money Market Fund, at fair value	$ 2,044,547	$ 422,329,314
Cash	278,120	-
Investments at fair value	777,538,568	40,233,844
Receivables		
Notes receivable from participants	1,239,019	772,885
Employer contributions	-	-
Total assets	781,100,254	463,336,043
Liabilities	-	-
Net assets available for benefits	$ 781,100,254	$ 463,336,043

The accompanying notes are an integral part of these statements.

The Retirement Contribution and 403(b) Matching Plan
of the University of Pennsylvania Health System

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

For the Year ended December 31, 2021

Additions:	
Additions to net assets attributable to:	
Investment income:	
Net appreciation in fair value of investments	$ 75,218,506
Interest	(33,706)
Dividends	17,633,378
Net investment income	92,818,178
Interest income on notes receivable from participants	56,371
Contributions:	
Participant	4,165,034
Employer	108,641,154
Rollover	3,100,349
	115,906,537
Total additions	208,781,086
Deductions:	
Deductions from net assets attributable to:	
Benefits paid to participants	38,499,440
Administrative expenses	327,988
Total deductions	38,827,428
Net increase	169,953,658
Transfer in from LGH and Princeton Plans	147,810,553
Net assets available for benefits:	
Beginning of year	463,336,043
End of year	$ 781,100,254

The accompanying notes are an integral part of this statement.

NOTES TO FINANCIAL STATEMENTS

December 31, 2021 and 2020

NOTE A - DESCRIPTION OF PLAN

The following description of The Retirement Contribution and 403(b) Matching Plan of the University of Pennsylvania Health System (the "Plan") provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan's provisions including updates made commensurate with the plan amendments outlined below.

1. General

The Plan was originally established effective January 1, 1994 by Clinical Care Associates of the University of Pennsylvania Health System (referred to as "UPHS" or the "Plan Sponsor/Administrator") for the benefit of certain of its employees and their beneficiaries. The Plan subsequently was amended from time to time to address changes in laws and regulations, to provide for the merger of other plans into the Plan, and to reflect other changes in the Plan's design and operations. As part of an overall restructuring of the retirement programs of UPHS, the Plan was amended and restated effective January 1, 2011, to: (i) transfer sponsorship of the Plan from Clinical Care Associates of UPHS to the Trustees of the University of Pennsylvania; (ii) extend eligibility under the Plan to certain employees of UPHS who made a one-time election to receive their employer benefits in this Plan rather than in a separate defined benefit plan sponsored by UPHS; (iii) make other changes in the Plan's design (including the addition of matching contributions); (iv) incorporate amendments adopted since the last amendment and restatement of the Plan; and (v) make other clarifying changes in the Plan.

The Plan is a defined contribution plan covering substantially all employees of Clinical Care Associates of the University of Pennsylvania Health Care System, Clinical Health Care Associates of New Jersey, P.C. ("CHCANJ"), Women and Children's Health Services, and UPHS employees hired or rehired after July 1, 2010, who have attained age 21 and completed one year of service. Effective January 1, 2011, the Plan also covers UPHS employees who elected to join this Plan during "Retirement Choice" in 2010. Effective August 1, 2015, Lancaster General Health ("LG Health") became a member of the University of Pennsylvania Health System. Employees of LG Health currently remain employed by LG Health and do not participate in the Plan. Previously, Princeton HealthCare System ("PHCS") became a member of The University of Pennsylvania Health System. Effective January 1, 2021, the Plan was amended and restated to provide for the merger of the Lancaster General Health Retirement Income Account 401(k) ("LGH Plan") and The Princeton HealthCare System Retirement Plan ("Princeton Plan") into the Plan in connection with Lancaster General Health ("LGH") and Princeton HealthCare System ("Princeton") joining the University of Pennsylvania Health System and the participation of eligible employees of LGH and Princeton in the Plan. Both the LGH Plan and the Princeton Plan have special provisions and terms that apply to contributions to the Plan on behalf of the eligible employees of LGH and eligible employees of Princeton on and after January 1, 2021. The Plan was amended in several other areas to allow for the merger of the two healthcare systems, including governance and plan administration, benefit payments, among other provisions. The addition of the new LGH and Princeton employees provided additional plan assets of $ 147,810,553 that were transferred into the plan for the year ended December 31, 2021.

On December 10, 2019, the Plan Sponsor entered into an agreement to change plan trustees, effective January 1, 2021. The agreement calls for the transfer of assets from the current two trustees and custodians, TIAA and Vanguard to one trustee, Fidelity Management Trust Company. While the effective date of the agreement is January 1, 2021, the transfer of Plan assets took place in two different time periods, depending on the trustee. The participant blackout period for Vanguard began on December 21, 2020 and the transfer of assets took place on December 31, 2020. The participant blackout period in preparation for the transfer of TIAA assets to the new custodian began on January 5, 2021 and those assets were transferred to the new custodian on January 12, 2021. Accordingly, as of

December 31, 2020, the TIAA investments included on the Statements of Net Assets Available for Benefits as of

NOTE A - DESCRIPTION OF PLAN – Continued

1. General (continued)

December 31, 2020 did not take into account the 2021 transfer of funds.

The total amount transferred as of December 31, 2020 to the new trustee was $422,329,314 from Vanguard and was included as such in the Statement of Net Assets Available for Benefits as of December 31, 2020. Additionally, the notes receivable from participants totaling $772,885 were transferred "in kind" to the new trustee as of December 31, 2020. All of the aforementioned assets settled with the new trustee, Fidelity Management Trust Company on January 4, 2021.

The Plan has implemented certain requirements by the Coronavirus Aid, Relief and Economic Securities Act (the CARES Act) and the Setting Every Community Up for Retirement Enhancement Act of 2019 (the SECURE Act), which laws change the Plan to, among others, allow certain eligible individuals to receive coronavirus-related relief for loan payment, suspend required minimum distributions, and delay the commandment date for required minimum distributions. Written amendments to the Plan to reflect these operational changes have been adopted in connection with approved amendments for the change in service provider and the merger of the LGH Health and PHCS benefit plans. These amendments were adopted in accordance with applicable law and IRS guidance.

The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA"), as amended. The Plan Administrator and the Fiduciary Committee are responsible for the oversight of the Plan, determining the appropriateness of the Plan's investment offerings and monitoring investment performance.

2. Eligibility

Each employee who has attained the age of 21 and completed one year of service is eligible for Plan participation on the first day of the calendar quarter following the date the Plan's eligibility requirements have been met.

3. Contributions

Employee deferral contributions are only permitted to be made by participants employed by CHCANJ. Each year, participants may contribute up to 70% of pretax annual compensation. Bonuses are excluded from eligible compensation. Participants employed by other UPHS sponsoring organizations are not permitted to make deferral contributions to this Plan.

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2021 and 2020

NOTE A - DESCRIPTION OF PLAN - Continued

3. Contributions - Continued

Each year, the Plan Sponsor contributes to the Plan certain amounts, as determined by the UPHS Retirement Committee, to CHCANJ participants who have made salary deferrals, to all employees who have made salary deferrals under the UPHS 403(b) Retirement Savings Plan and to all eligible employees of the Plan. For the years ended December 31, 2021 and 2020, the Plan Sponsor's contribution amounts were: (1) 100% of the salary deferrals of the CHCANJ participants on the first 2.5% of compensation deferred; (2) 100% of the first 2.5% of eligible compensation deferred by participants in the separate 403(b) plan sponsored by UPHS; and (3) an additional annual contribution of 4% of eligible compensation to all eligible Plan participants who worked 1,000 hours during the Plan year and are employed on the last day of the Plan year. Prior to July 1, 2015, Chester County Health System's contribution amounts were 50% of salary deferrals on the first 4% of compensation deferred. Effective July 1, 2015, Chester County Health System's contribution amounts increased to 50% of the salary deferrals on the first 6% of compensation deferred. Effective January 1, 2017, Chester County Health System made an additional annual contribution of 1% of eligible compensation to all eligible participants who worked 1,000 hours during the Plan year and were employed on the last day of the Plan year. Contributions are subject to certain annual limits established by the IRS.

4. Participant Accounts

Each participant's account is credited with the participant's contributions, the Plan Sponsor's contributions (if applicable) and Plan investment earnings.

All contributions to the Plan are used to purchase tax-sheltered annuity contracts and custodial accounts that are invested in the funding vehicles offered by TIAA, Vanguard and Fidelity Management Trust Company. The assets held under the tax-sheltered annuity contracts and/or custodial accounts do not belong to the Plan, but are held by TIAA and CREF, Vanguard and the Fidelity Management Trust Company for the exclusive benefit of the Plan participants and their beneficiaries. The individual account balance in the annuity contract and/or custodial account is the sum of the participants contributions and basic employer contribution and matching contribution and Plan earnings. Participant accounts are charged with an allocation of administrative expenses that are paid by the Plan. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2021 and 2020

NOTE A - DESCRIPTION OF PLAN - Continued

5. Vesting

Participants are vested immediately in their contributions, plus actual earnings. Participants' vested interests in his/her Plan Sponsor contributions are based on years of continuous service, as follows: (1) prior to January 1, 2011, CHCANJ participants vested at 25% for each year of service and are 100% vested after four years of service; and (2) participants who are employed on or after January 1, 2011 are 100% vested after three years of service in accordance with a three-year cliff vesting schedule.

6. Forfeitures

At December 31, 2020, forfeited non-vested accounts totaled $37,110. There were no forfeited non-vested accounts as of December 31, 2021. Forfeited balances of participant's non-vested accounts are used to reduce further Plan Sponsor contributions. There were no reductions to Plan Sponsor contributions from forfeited non-vested accounts during 2021 and 2020.

7. Payment of Benefits

On termination of service, due to death or disability, or retirement, a participant may elect to receive a distribution of his or her entire accumulated Plan balance, subject to the terms and certain limitations of the funding vehicles. Distribution options include lump-sum payments, partial payments, and installments. In addition, participants may elect in-service withdrawals after reaching age 59-1/2. Hardship withdrawals are also permitted.

8. Notes Receivable from Participants

Participants may borrow from their fund accounts a minimum of $1,000 up to the lesser of 50% of the participant's vested account balance or $50,000. A participant may have no more than two loans outstanding at any time. Loan terms may extend up to a period not to exceed five years, or for up to fifteen years for the purchase of a primary residence. Certain grandfathered loans allow for 30-year repayment terms. The participant loans are collateralized up to 50% of the balance of the participant's account balance as of the date the loan was made. The loans bear interest of local prevailing rates as of the date of the loan. Principal and interest are paid ratably through periodic payroll deductions.

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2021 and 2020

NOTE B - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

1. Basis of Accounting

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

2. Investment Valuation and Income Recognition

Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Plan's Fiduciary Committee determines the Plan's valuation policies utilizing information provided by the trustee/custodian. See Note D for discussion of fair value measurements.

Purchases and sales of investments are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold, as well as held during the year.

The mutual funds consist of TIAA funds, CREF accounts and other non-proprietary mutual funds, and are generally valued using market quotations or prices obtained from independent pricing services.

The CREF accounts and the TIAA Real Estate Account are used to fund variable annuity contracts. The CREF accounts invest principally in equity securities, fixed-income instruments, and short-term investments in accordance with each portfolio's investment objectives. The TIAA Real Estate Account is a pooled separate account/insurance company separate account of TIAA investing mainly in real estate and real estate-related investments. Its value is principally derived from the market value of the underlying real estate holdings or other real estate related investments. Real estate holdings are valued principally using external appraisals. The TIAA Real Estate Account sometimes holds securities as well. These are generally valued using independent pricing sources.

The TIAA Traditional Annuity Account is another investment of the Plan. TIAA Traditional Annuity is reported at contract value and segregated into non-benefit and fully benefit responsive categories. The contract value of the TIAA Traditional Annuity equals the accumulated cash contributions, interest credited to the plan's contracts, and transfers in (if any) less any withdrawals and transfers out (if any). Fair value approximates contract value for the plan.

3. Administrative Expenses

Certain administrative expenses of the Plan are paid by the Plan. Fees relate to the administration of notes receivable from participants are charged directly to the participants account and are included in administrative expenses. Investment related expenses are included in net appreciation of fair value of investments. Expenses that are paid by the Plan Sponsor are excluded from these financial statements.

4. Payment of Benefits

A participant's benefits will normally be distributed to the participant or the participant's beneficiary upon termination of service, retirement, disability or death, by transfer to another qualified plan or an individual retirement account through a lump sum distribution, partial or installment payments. In-service withdrawals of all or a portion of a participant's vested account balance may be made by participants who have attained the age of 59 ½. Hardship withdrawals are permitted when the criteria are met. In-service withdrawals of all or a portion of a participant's rollover account balance may be withdrawn at any time. Benefits are recorded when paid.

NOTE B - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES- Continued

5. Use of Estimates

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

6. Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2021 and 2020.

NOTE C - INVESTMENTS AND INFORMATION CERTIFIED BY THE CUSTODIANS (UNAUDITED)

The Plan Sponsor has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Fidelity Management Trust Company, trustee of the Plan, and TIAA, FSB, a custodian of the Plan as of and for the year ended December 31, 2021, have certified that the following information included in the accompanying financial statements and supplemental schedule is complete and accurate:

- Investments, at fair value, and notes receivable from participants, as shown in the statements of net assets available for benefits as of December 31, 2021.

- Investment income and interest income on notes receivable from participants, as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2021.

Investments, at fair value and contract value, and notes receivable from participants, as shown in the statements of net assets available for benefits as of December 31, 2020 were certified by Vanguard Fiduciary Trust Company and TIAA, FSB, trustee and custodian of the Plan, respectively.

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2021 and 2020

NOTE D - FAIR VALUE MEASUREMENTS

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy under FASB ASC 820 are described as follows:

Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 Inputs to the valuation methodology include:

- quoted prices for similar assets or liabilities in active markets;
- quoted prices for identical or similar assets or liabilities in inactive markets;
- inputs other than quoted prices that are observable for the asset or liability;
- inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

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

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, 2021 and 2020.

- Mutual fund (registered investment companies) and self-directed brokerage account investments are determined by obtaining quoted prices on nationally recognized securities exchanges (Level 1 inputs), valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the SEC. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The mutual funds held by the Plan are deemed actively traded.

- Valued at the daily closing accumulation value, the fair value of the Plan's interest in the TIAA Real Estate Account (a pooled separate account) is derived from the market value of the underlying real estate holdings or other real estate-related investments. The real estate holdings are valued principally using external independent appraisals. Accumulation units are available for transactions at the closing accumulation unit value on any day that the NYSE is operating. TIAA ensures that any redemptions or withdrawals are executed at quoted unit values.

- Investments in TIAA Traditional Annuity contracts (fixed annuity contracts) are contract-based. Observable prices for identical or similar investments do not exist and, accordingly, these investments are valued using unobservable inputs (Level 3). The fair value equals the accumulated cash contributions and interest credited to the contract, less any withdrawals. Liquidity restrictions apply to these investments that could impact the

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2021 and 2020

NOTE D - FAIR VALUE MEASUREMENTS – Continued

value realized upon exiting certain types of contracts with the TIAA Traditional Annuity contracts. See also Note E for discussion of the TIAA Traditional Annuity. In determining the reasonableness of the methodology, Plan management evaluates a variety of factors including a review of existing contracts, economic conditions, industry and market developments, and overall credit ratings. Certain unobservable inputs are assessed through review of contract terms, while others are substantiated utilizing available market data.

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. Furthermore, 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 by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2021 and 2020:

	2021			
	Level 1	Level 2	Level 3	Total
Mutual funds	$ 712,763,805	$ -	$ -	$ 712,763,805
Self-directed brokerage accounts	2,311,243	-	-	2,311,243
TIAA Real Estate Account	-	2,821,169	-	2,821,169
CREF accounts	35,543,793	-	-	35,543,793
Prudential Guaranteed Income Fund	-	716,759	-	716,759
TIAA Traditional Annuity	-	-	25,426,346	25,426,346
Total	$ 750,618,841	$ 3,537,928	$ 25,426,346	$ 779,583,115

	2020			
	Level 1	Level 2	Level 3	Total
Mutual funds	$ 454,250,794	$ -	$ -	$ 454,250,794
Self-directed brokerage accounts	8,830	-	-	8,830
TIAA Real Estate Account	-	658,697	-	658,697
CREF accounts	5,886,675	-	-	5,886,675
TIAA Traditional Annuity	-	-	1,758,162	1,758,162
Total	$ 460,146,299	$ 658,697	$ 1,758,162	$ 462,563,158

NOTE D - FAIR VALUE MEASUREMENTS - Continued

Gains and losses (realized and unrealized) included in changes in net assets for the period above are reported in net appreciation/depreciation in fair value of investments in the statement of changes in net assets available for benefits.

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. In such instances, the transfer is reported at the beginning of the reporting period.

The Plan evaluated the significance of transfers between levels based upon the nature of the financial instrument and size of the transfer relative to total net assets available for benefits. For the years ended December 31, 2021 and 2020, there were no transfers in or out of Levels 1, 2 or 3.

The following table sets forth a summary of changes in the fair value of the Plan's Level 3 assets for the year ended December 31, 2021:

	TIAA Traditional Annuity
Balance, beginning of year	$ 1,758,162
Interest income included in changes in net assets	890,572
Purchases, issuances, sales, and settlements	
Contributions, rollovers, and transfers in	23,898,291
Withdrawals, distributions, settlements and transfers out	(1,120,679)
Total purchases, issuances, sales and settlements, net	$ 22,777,612
Balance, December 31, 2021	$25,426,346

The following table represents the Plan's Level 3 financial instruments, the valuation techniques used to measure the fair value of those financial instruments, and the significant unobservable inputs and the ranges of values for those inputs as of December 31, 2020 and 2019:

	2021 Fair value	2020 Fair value	Principal valuation technique	Significant unobservable inputs	Range*
TIAA Traditional Annuity	$ 25,426,346	$ 1,758,162	Discounted cash flow Theoretical transfer	Risk-adjusted discount rate applied	RC 2.75 – 3.90%

(exit value)

* See Note E for definition of the RC contract type.

NOTE D - FAIR VALUE MEASUREMENTS - Continued

Significant increases or decreases in the above unobservable inputs in isolation would result in a significantly lower or higher fair value measurement for such assets.

NOTE E - TIAA TRADITIONAL ANNUITY

The TIAA Traditional Annuity is a guaranteed fixed annuity contract available as an investment option to Plan participants. Each contract is fully and unconditionally guaranteed by TIAA. The Traditional Annuity is offered through a variety of contract types, including the Retirement Choice ("RC") contract type held by the Plan. The type of contract through which a participant invests in the TIAA Traditional Annuity determines the applicability of certain account features, such as the guaranteed minimum interest rate, additional interest declarations, the degree of liquidity of the participant's account, and the options for receiving income upon retirement.

When participants choose to allocate a portion of their retirement savings to the TIAA Traditional Annuity during the accumulation phase of the contract, their contributions purchase a specific amount of lifetime income based on the contractual rate schedule in effect at the time the premium is paid. For RC contracts, a guaranteed interest rate is set each calendar year for amounts remitted in that calendar year. The floating guaranteed rate will be between 1.00%-3.00%, inclusive, based on the 5-year Constant Maturity Treasury Rate less 125 basis points. The guaranteed rate for each calendar year remittance will be maintained for at least 10 years. The current guaranteed rate is 1.00% for amounts remitted effective January 1, 2011. The account also offers the opportunity for additional amounts in excess of the guaranteed rate. When declared, additional amounts remain in effect for the 12-month period that begins each March 1. The crediting interest rate was 3.58% and 4.08% as of December 31, 2021 and 2020, respectively.

Participant withdrawals and transfers from the RC contracts must be taken in 84 monthly installments, except that a lump-sum distribution is available, if permitted under the Plan, in the 120-day period following termination of employment subject to a 2.5% surrender charge. Therefore, the RC contracts are non-benefit responsive. The RC balance at contract value, which approximates fair value, was $25,426,346 and $1,758,162 at December 31, 2021 and 2020, respectively.

NOTE F - RELATED PARTY TRANSACTIONS

The Plan investments are managed and issued by TIAA and CREF and Fidelity Management Trust Company. TIAA, FSB, and Fidelity Management Trust Company are the custodian and trustee as defined by the Plan and therefore, these transactions qualify as party-in-interest. Fees paid by the Plan to the custodian are reflected as a reduction in investments earnings.

Certain administrative functions of the Plan are performed by employees of the Plan Sponsor. No such employee receives compensation from the Plan. These transactions qualify as party-in-interest transactions and are exempt from the prohibited transaction rules.

NOTE G - TAX STATUS

The Plan intends to comply with the applicable requirements of Section 403(b) of the Internal Revenue Code ("IRC"). A tax determination letter program is not yet available for 403 (b) employee benefit plans through the Internal Revenue Service ("IRS"). The Plan administrator believes that the Plan is currently designed and operated in accordance with the applicable requirements of the IRC. The Plan has elected to utilize the employee benefit plan provisions which allows certain changes to distribution and loan rules as prescribed by the SECURE Act and CARES Act. The IRS, the primary oversight body of the Plan, generally has the ability to examine income tax returns for up to three prior years.

Accounting principles generally accepted in the United States of America requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded as of December 31, 2021 and 2020, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits in progress for any periods.

NOTE H - PLAN TERMINATION

Although it has not expressed any intention to do so, the Plan Sponsor has the right under the Plan to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants would remain 100% vested in their accounts and the balance of the individual accounts of each participant would be distributed in a lump sum or by delivery of a fully paid annuity contract, as defined by the Plan.

NOTES TO FINANCIAL STATEMENTS - CONTINUED

December 31, 2021 and 2020

NOTE I - RISKS AND UNCERTAINTIES

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

As of October 17, 2022, the Plan has not experienced a material decline in the value of its investments.

NOTE J - SUBSEQUENT EVENTS

Management has evaluated subsequent events through October 17, 2022, which is the date the financial statements were available to be issued.

SUPPLEMENTAL INFORMATION

The Retirement Contribution and 403(b) Matching Plan
of the University of Pennsylvania Health System

EIN 23-1352685
Plan #019

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

December 31, 2021

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost **	(e) Current value
	TIAA and CREF Retirement Contribution and 401(a) Matching Program			
*	TIAA Traditional Non-Benefit-Responsive Annuity Account	Fixed Annuity Contracts	**	$ 25,426,346
*	TIAA Real Estate Account	Pooled Separate Account	**	2,821,169
*	TIAA-CREF Self Directed Account	Brokerage Option	**	620,406
*	CREF Money Market Account	Registered Investment Company	**	3,044,832
*	CREF Stock Account	Registered Investment Company	**	13,873,505
*	CREF Social Choice Account	Registered Investment Company	**	1,974,212
*	CREF Bond Market Account	Registered Investment Company	**	3,074,640
*	CREF Global Equities Account	Registered Investment Company	**	3,771,984
*	CREF Growth Account	Registered Investment Company	**	6,323,948
*	CREF Equity Index Account	Registered Investment Company	**	2,417,597
*	CREF Inflation-Linked Bond Account	Registered Investment Company	**	1,063,075
				35,543,794
*	TIAA-CREF Lfcyle Idx 2010-Rtmt	Mutual Fund	**	3,758
*	TIAA-CREF Lfcyle Idx 2015-Rtmt	Mutual Fund	**	221,042
*	TIAA-CREF Lfcyle Idx 2020-Rtmt	Mutual Fund	**	1,219,973
*	TIAA-CREF Lfcyle Idx 2025-Rtmt	Mutual Fund	**	1,936,117
*	TIAA-CREF Lfcyle Idx 2030-Rtmt	Mutual Fund	**	3,701,537
*	TIAA-CREF Lfcyle Idx 2035-Rtmt	Mutual Fund	**	2,672,309
*	TIAA-CREF Lfcyle Idx 2040-Rtmt	Mutual Fund	**	3,002,074
*	TIAA-CREF Lfcyle Idx 2045-Rtmt	Mutual Fund	**	2,077,693
*	TIAA-CREF Lfcyle Idx 2050-Rtmt	Mutual Fund	**	1,618,574
*	TIAA-CREF Lfcyle Idx 2055-Rtmt	Mutual Fund	**	1,575,269
*	TIAA-CREF Lfcyle Idx 2060-Rtmt	Mutual Fund	**	669,454
*	TIAA-CREF Lfcyle Idx RtIn-Rtmt	Mutual Fund	**	204,055
*	TIAA-CREF High-Yield-Rtmt	Mutual Fund	**	480
*	TIAA-CREF Intl Eq Idx-Rtmt	Mutual Fund	**	766,528
	MassMutual Mid Cap Growth Svc	Mutual Fund	**	366,967
	AmericanBeaconBrdgwyLgCpVlR6	Mutual Fund	**	12,773
	Am Century Mid Cap Value Inv	Mutual Fund	**	658,236
	Hartford International Opp R5	Mutual Fund	**	807,789
	Vanguard Total Wld Stk Idx Adm	Mutual Fund	**	1,994,126
	JPMorgan US Value - Class R6	Mutual Fund	**	660,656
				24,169,411
	Total TIAA-CREF Retirement Contribution and 401(a) Matching Program			88,581,126

The Retirement Contribution and 403(b) Matching Plan
of the University of Pennsylvania Health System

EIN 23-1352685
Plan #019

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

December 31, 2020

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost	(e) Current value
	Vanguard Retirement Contribution and 401(a) Matching Program			
*	Vanguard Federal Money Market Fund	Mutual Fund	**	2,044,547
*	Blackrock Total Return K Fund	Mutual Fund	**	1,391,594
*	Vanguard Emerging Markets Stock Index Fund Investor Shares	Mutual Fund	**	1,453,106
*	Vanguard FTSE Social Index Fund Investor Shares	Mutual Fund	**	1,973,204
*	Vanguard Growth Index Institution	Mutual Fund	**	12,436,259
*	Vanguard Interim Treasury Admin	Mutual Fund	**	486,739
*	Vanguard Real Estate Index	Mutual Fund	**	789,108
*	Vanguard Institutional Index Plus	Mutual Fund	**	8,651,726
*	Vanguard Mid-Cap Index Fund Investor Shares	Mutual Fund	**	4,722,778
*	Vanguard Selected Value Fund	Mutual Fund	**	3,233,077
*	Vanguard Small-Cap Index Fund Investor Shares	Mutual Fund	**	4,116,066
*	Vanguard Target Retirement 2015 Fund	Mutual Fund	**	11,985,368
*	Vanguard Target Retirement 2020 Fund	Mutual Fund	**	38,445,771
*	Vanguard Target Retirement 2025 Fund	Mutual Fund	**	57,826,125
*	Vanguard Target Retirement 2030 Fund	Mutual Fund	**	64,757,332
*	Vanguard Target Retirement 2035 Fund	Mutual Fund	**	68,604,591
*	Vanguard Target Retirement 2040 Fund	Mutual Fund	**	69,491,668
*	Vanguard Target Retirement 2045 Fund	Mutual Fund	**	85,323,674
*	Vanguard Target Retirement 2050 Fund	Mutual Fund	**	126,523,411
*	Vanguard Target Retirement 2055 Fund	Mutual Fund	**	91,229,415
*	Vanguard Target Retirement 2060 Fund	Mutual Fund	**	19,176,650
*	Vanguard Target Retirement 2065 Fund	Mutual Fund	**	2,283,231
*	Vanguard Development Market Index IP Fund	Mutual Fund	**	1,351,497
*	Vanguard Inflation Protection Institutional	Mutual Fund	**	1,235,829
*	Vanguard Total International Stock Index Fund	Mutual Fund	**	1,892,419
*	Vanguard Total Bond Market IS PL	Mutual Fund	**	1,420,752
*	Fidelity Brokerage Option	Brokerage Option	**	1,690,836
	Total Vanguard Retirement Contribution and 401(a) Matching Program			690,285,230
	Prudential Guaranteed Income Fund	Pooled Separate Account	**	716,759
	Total investments, at fair value			$ 779,583,115
*	Notes receivable from participants	Interest rates ranging from 4.25% - 6.50%		1,239,019

* Party-in-interest as defined by ERISA Section 3(14).
** Cost information is not required for participant-directed investments.

The Retirement Contribution and 403(b) Matching Plan
of the University of Pennsylvania Health System

EIN 23-1352685
Plan #019

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

December 31, 2021

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost **	(e) Current value
	TIAA and CREF Retirement Contribution and 401(a) Matching Program			
*	TIAA Traditional Non-Benefit-Responsive Annuity Account	Fixed Annuity Contracts	**	$ 25,426,346
*	TIAA Real Estate Account	Pooled Separate Account	**	2,821,169
*	TIAA-CREF Self Directed Account	Brokerage Option	**	620,406
*	CREF Money Market Account	Registered Investment Company	**	3,044,832
*	CREF Stock Account	Registered Investment Company	**	13,873,505
*	CREF Social Choice Account	Registered Investment Company	**	1,974,212
*	CREF Bond Market Account	Registered Investment Company	**	3,074,640
*	CREF Global Equities Account	Registered Investment Company	**	3,771,984
*	CREF Growth Account	Registered Investment Company	**	6,323,948
*	CREF Equity Index Account	Registered Investment Company	**	2,417,597
*	CREF Inflation-Linked Bond Account	Registered Investment Company	**	1,063,075
				35,543,794
*	TIAA-CREF Lfcyle Idx 2010-Rtmt	Mutual Fund	**	3,758
*	TIAA-CREF Lfcyle Idx 2015-Rtmt	Mutual Fund	**	221,042
*	TIAA-CREF Lfcyle Idx 2020-Rtmt	Mutual Fund	**	1,219,973
*	TIAA-CREF Lfcyle Idx 2025-Rtmt	Mutual Fund	**	1,936,117
*	TIAA-CREF Lfcyle Idx 2030-Rtmt	Mutual Fund	**	3,701,537
*	TIAA-CREF Lfcyle Idx 2035-Rtmt	Mutual Fund	**	2,672,309
*	TIAA-CREF Lfcyle Idx 2040-Rtmt	Mutual Fund	**	3,002,074
*	TIAA-CREF Lfcyle Idx 2045-Rtmt	Mutual Fund	**	2,077,693
*	TIAA-CREF Lfcyle Idx 2050-Rtmt	Mutual Fund	**	1,618,574
*	TIAA-CREF Lfcyle Idx 2055-Rtmt	Mutual Fund	**	1,575,269
*	TIAA-CREF Lfcyle Idx 2060-Rtmt	Mutual Fund	**	669,454
*	TIAA-CREF Lfcyle Idx RtIn-Rtmt	Mutual Fund	**	204,055
*	TIAA-CREF High-Yield-Rtmt	Mutual Fund	**	480
*	TIAA-CREF Intl Eq Idx-Rtmt	Mutual Fund	**	766,528
	MassMutual Mid Cap Growth Svc	Mutual Fund	**	366,967
	AmericanBeaconBrdgwyLgCpVlR6	Mutual Fund	**	12,773
	Am Century Mid Cap Value Inv	Mutual Fund	**	658,236
	Hartford International Opp R5	Mutual Fund	**	807,789
	Vanguard Total Wld Stk Idx Adm	Mutual Fund	**	1,994,126
	JPMorgan US Value - Class R6	Mutual Fund	**	660,656
				24,169,411
	Total TIAA-CREF Retirement Contribution and 401(a) Matching Program			88,581,126

The Retirement Contribution and 403(b) Matching Plan
of the University of Pennsylvania Health System

EIN 23-1352685
Plan #019

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

December 31, 2020

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value	(d) Cost	(e) Current value
	Vanguard Retirement Contribution and 401(a) Matching Program			
*	Vanguard Federal Money Market Fund	Mutual Fund	**	2,044,547
*	Blackrock Total Return K Fund	Mutual Fund	**	1,391,594
*	Vanguard Emerging Markets Stock Index Fund Investor Shares	Mutual Fund	**	1,453,106
*	Vanguard FTSE Social Index Fund Investor Shares	Mutual Fund	**	1,973,204
*	Vanguard Growth Index Institution	Mutual Fund	**	12,436,259
*	Vanguard Interim Treasury Admin	Mutual Fund	**	486,739
*	Vanguard Real Estate Index	Mutual Fund	**	789,108
*	Vanguard Institutional Index Plus	Mutual Fund	**	8,651,726
*	Vanguard Mid-Cap Index Fund Investor Shares	Mutual Fund	**	4,722,778
*	Vanguard Selected Value Fund	Mutual Fund	**	3,233,077
*	Vanguard Small-Cap Index Fund Investor Shares	Mutual Fund	**	4,116,066
*	Vanguard Target Retirement 2015 Fund	Mutual Fund	**	11,985,368
*	Vanguard Target Retirement 2020 Fund	Mutual Fund	**	38,445,771
*	Vanguard Target Retirement 2025 Fund	Mutual Fund	**	57,826,125
*	Vanguard Target Retirement 2030 Fund	Mutual Fund	**	64,757,332
*	Vanguard Target Retirement 2035 Fund	Mutual Fund	**	68,604,591
*	Vanguard Target Retirement 2040 Fund	Mutual Fund	**	69,491,668
*	Vanguard Target Retirement 2045 Fund	Mutual Fund	**	85,323,674
*	Vanguard Target Retirement 2050 Fund	Mutual Fund	**	126,523,411
*	Vanguard Target Retirement 2055 Fund	Mutual Fund	**	91,229,415
*	Vanguard Target Retirement 2060 Fund	Mutual Fund	**	19,176,650
*	Vanguard Target Retirement 2065 Fund	Mutual Fund	**	2,283,231
*	Vanguard Development Market Index IP Fund	Mutual Fund	**	1,351,497
*	Vanguard Inflation Protection Institutional	Mutual Fund	**	1,235,829
*	Vanguard Total International Stock Index Fund	Mutual Fund	**	1,892,419
*	Vanguard Total Bond Market IS PL	Mutual Fund	**	1,420,752
*	Fidelity Brokerage Option	Brokerage Option	**	1,690,836
	Total Vanguard Retirement Contribution and 401(a) Matching Program			690,285,230
	Prudential Guaranteed Income Fund	Pooled Separate Account	**	716,759
	Total investments, at fair value			$ 779,583,115
*	Notes receivable from participants	Interest rates ranging from 4.25% - 6.50%		1,239,019

* Party-in-interest as defined by ERISA Section 3(14).
** Cost information is not required for participant-directed investments.