

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) ____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	▶ ☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	▶ ☐

Part II	Basic Plan Information —enter all requested information		
1a Name of plan DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN 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) DONALD DANFORTH PLANT SCIENCE CTR 975 NORTH WARSON ROAD ST. LOUIS, MO 63132-2918	1b Three-digit plan number (PN) ▶	001	
	1c Effective date of plan	01/01/1999	
	2b Employer Identification Number (EIN)	31-1584621	
	2c Plan Sponsor's telephone number	314-587-1000	
	2d Business code (see instructions)	541700	

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.	10/11/2023	ANNA DIBBLE
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/11/2023	ANNA DIBBLE
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN
		3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name		4b EIN 4d PN
5 Total number of participants at the beginning of the plan year		5 537
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) 283
a(2) Total number of active participants at the end of the plan year		6a(2) 319
b Retired or separated participants receiving benefits		6b 0
c Other retired or separated participants entitled to future benefits.....		6c 282
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 601
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 1
f Total. Add lines 6d and 6e		6f 602
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 598
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2L 2F 2G 2M 2S 2T		
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)		9b Plan benefit arrangement (check all that apply)
(1) ☒ Insurance	(1) ☒ Insurance	
(2) ☐ Code section 412(e)(3) insurance contracts	(2) ☐ Code section 412(e)(3) insurance contracts	
(3) ☒ Trust	(3) ☒ Trust	
(4) ☐ General assets of the sponsor	(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		b General Schedules
(1) ☒ R (Retirement Plan Information)	(1) ☒ H (Financial Information)	
(2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary	(2) ☐ I (Financial Information – Small Plan)	
(3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	(3) ☒ 1 A (Insurance Information)	
	(4) ☒ C (Service Provider Information)	
	(5) ☒ D (DFE/Participating Plan Information)	
	(6) ☐ G (Financial Transaction Schedules)	

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A Name of plan DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN	B Three-digit plan number (PN) 001
C Plan sponsor's name as shown on line 2a of Form 5500 DONALD DANFORTH PLANT SCIENCE CTR	D Employer Identification Number (EIN) 31-1584621

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

(a) Name of insurance carrier
TIAA-CREF

(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	500354	232	01/01/2022	12/31/2022

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

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).
(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

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

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

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

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

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

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

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

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

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

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

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

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

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

Part II Investment and Annuity Contract Information

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

4	Current value of plan's interest under this contract in the general account at year end.....	4	4534320
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	12105202

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶

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

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity
(3) ☐ other (specify) ▶

f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)

a Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☒ guaranteed investment (4) ☐ other ▶

b	Balance at the end of the previous year	7b	4323427
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c	Additions: (1) Contributions deposited during the year	7c(1)	73061	
	(2) Dividends and credits	7c(2)		
	(3) Interest credited during the year	7c(3)	172160	
	(4) Transferred from separate account	7c(4)	260030	
	(5) Other (specify below)	7c(5)	16326	
	▶ MISCELLANEOUS CREDITS, INCLUDING INVESTMENT GAINS AND TRANSFERS FROM FULLY ALLOCATED CONTRACTS			

(6) Total additions	7c(6)	521577
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	4845004
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e Deductions:

e	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	155854	
	(2) Administration charge made by carrier	7e(2)	18160	
	(3) Transferred to separate account	7e(3)	136670	
	(4) Other (specify below)	7e(4)		

(5) Total deductions	7e(5)	310684
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	4534320
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Part III Welfare Benefit Contract Information

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

8 Benefit and contract type (check all applicable boxes)

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

9 Experience-rated contracts:

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

10 Nonexperience-rated contracts:

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

Part IV Provision of Information

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

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

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 DONALD DANFORTH PLANT SCIENCE CTR	D Employer Identification Number (EIN) 31-1584621	

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

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a

 Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☒ Yes ☐ No
- b

 If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
TIAA
13-1624203
(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

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)

TIAA

13-1624203

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
15 17 27 28 38 50 52 54 64 66	NONE	69860	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

CBIZ INVESTMENT ADV. SERVICES LLC

81-3968784

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27 50	NONE	15574	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

Part I Service Provider Information (continued)

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

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

Part II Service Providers Who Fail or Refuse to Provide Information

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

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(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:	ARMANINO LLP
b EIN:	94-6214841
c Position:	ACCOUNTANT
d Address:	6 CITYPLACE DRIVE SUITE 900 SAINT LOUIS, MO 63141
e Telephone:	314-983-1200

Explanation: SERVICES WERE TERMINATED AS FIRM IS NOW THE PLAN SPONSOR'S AUDITOR FOR INTERNAL CONTROLS

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 DONALD DANFORTH PLANT SCIENCE CTR	D Employer Identification Number (EIN) 31-1584621	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: TIAA REAL ESTATE		
b Name of sponsor of entity listed in (a): TIAA-CREF		
c EIN-PN 13-1624203-004	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1532506
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

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

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

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN</u>		B Three-digit plan number (PN) <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>DONALD DANFORTH PLANT SCIENCE CTR</u>		D Employer Identification Number (EIN) <u>31-1584621</u>

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans.....	1c(8)	158474	272272
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	1405882	1532506
(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)	36339986	30788308
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	4323425	4534320
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	42227767	37127406

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	42227767	37127406
---	-----------	----------	----------

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)	1594997	
(B) Participants	2a(1)(B)	1573136	
(C) Others (including rollovers)	2a(1)(C)	59532	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		3227665
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	10878	
(F) Other	2b(1)(F)	172160	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		183038
(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)	1208446	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		1208446
(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)		118661
(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)		-7583577
c Other income	2c		14561
d Total income. Add all income amounts in column (b) and enter total	2d		-2831206
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	2121199	
(2) To insurance carriers for the provision of benefits	2e(2)	47501	
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		2168700
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		15021
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)	15574	
(4) Other	2i(4)	69860	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		85434
j Total expenses. Add all expense amounts in column (b) and enter total	2j		2269155
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-5100361
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

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

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

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

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

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

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

(1) Name: RUBIN BROWN

(2) EIN: 43-0865316

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

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

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

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

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

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

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

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

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

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

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN		B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 DONALD DANFORTH PLANT SCIENCE CTR		D Employer Identification Number (EIN) 31-1584621
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): 82-2826183		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:	
a	The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a
b	The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b
c	The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:	
a	The corresponding number for the plan year immediately preceding the current plan year.....	15a
b	The corresponding number for the second preceding plan year.....	15b
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:	
a	Enter the number of employers who withdrew during the preceding plan year	16a
b	If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐	

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

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

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

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

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

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

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

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

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

☐ Yes.

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

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

☐ No. Other. Provide explanation _____

***DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN***

FINANCIAL STATEMENTS

DECEMBER 31, 2022

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Independent Auditors' Report

Plan Administrator
Donald Danforth Plant Science Center
Defined Contribution Retirement Plan
St. Louis, Missouri

Scope And Nature Of The ERISA Section 103(a)(3)(C) Audit For The 2022 Financial Statements

We have performed an audit of the financial statements of Donald Danforth Plant Science Center Defined Contribution Retirement 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, 2022, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements (2022 financial statements).

Management, having determined it is permissible in the circumstances, has elected to have the audit of the Donald Danforth Plant Science Center Defined Contribution Retirement Plan's 2022 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 and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion On The 2022 Financial Statements

In our opinion, based on our audit and on the procedures performed as described in the Auditors' Responsibilities For The Audit Of The 2022 Financial Statements section:

- The amounts and disclosures in the accompanying 2022 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 2022 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 2022 Financial Statements

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the Auditors' Responsibilities For The Audit Of The 2022 Financial Statements section of our report. We are required to be independent of the Donald Danforth Plant Science Center Defined Contribution Retirement Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities Of Management For The 2022 Financial Statements

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

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

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

Auditors' Responsibilities For The Audit Of The 2022 Financial Statements

Except as described in the Scope And Nature Of The ERISA Section 103(a)(3)(C) Audit For The 2022 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 auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with auditing standards generally accepted in the United States of America 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 auditing standards generally accepted in the United States of America, 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 Donald Danforth Plant Science Center Defined Contribution Retirement Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Donald Danforth Plant Science Center Defined Contribution Retirement Plan'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 2022 financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

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

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

Other Matters

2022 Supplemental Schedule Required By ERISA

The supplemental schedule of assets held at year end as of December 31, 2022 is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the 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 auditing standards generally accepted in the United States of America. 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 its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

Plan Administrator
Donald Danforth Plant Science Center
Defined Contribution Retirement Plan

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).

Auditors' Report On The 2021 Financial Statements

Predecessor auditors performed an audit of the 2021 financial statements of Donald Danforth Plant Science Center Defined Contribution Retirement Plan. 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, the prior year audit did not extend to any statements or information related to assets held for investment of the plan that were certified by a qualified institution. Their report dated April 4, 2023 indicated that (a) the amounts and disclosures in the 2021 financial statements, other than those agreed to or derived from the certified investment information, were presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America, and (b) the information in the 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). Their report also indicated that the form and content of the 2021 supplemental schedule, other than the information in the 2021 supplemental schedules that agreed to or is derived from the certified investment information, were presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA; and the information in the 2021 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 determines meets the requirements of ERISA Section 103(a)(3)(C).

Plan Administrator
Donald Danforth Plant Science Center
Defined Contribution Retirement Plan

As part of our audit of the 2022 financial statements, we also audited adjustments described in Note 10 that were applied to restate the 2021 financial statements. In our opinion, such adjustments are appropriate and have been properly applied. We were not engaged to audit, review, or apply any procedures to the 2021 financial statements of Donald Danforth Plant Science Center Defined Contribution Retirement Plan other than with respect to the adjustments and, accordingly, we do not express an opinion or any form of assurance on the 2021 financial statements as a whole.

RubinBrown LLP

October 9, 2023

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS

	December 31,	
	2022	2021
Assets		
Investments		
Investment - at fair value (Note 5)	\$ 35,763,175	\$ 41,031,165
Fully Benefit-Responsive Investment Contract, At Contract Value (Note 3)	1,091,959	1,038,128
Notes Receivable From Participants	287,293	158,474
Net Assets Available For Benefits	\$ 37,142,427	\$ 42,227,767

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

**STATEMENT OF CHANGES IN NET ASSETS
AVAILABLE FOR BENEFITS**

	For The Years Ended December 31,	
	2022	2021
Additions To Net Assets Attributed To:		
Contributions		
Participants	\$ 1,573,136	\$ 1,397,416
Employer	1,594,997	1,189,426
Rollovers	59,532	31,450
Total Contributions	3,227,665	2,618,292
Deductions From Net Assets Attributed To:		
Benefits paid to participants	2,168,700	1,535,701
Administrative expenses	85,644	93,610
Total Deductions	2,254,344	1,629,311
Investment Income (Loss)		
Interest and dividends	1,242,447	1,773,278
Net change in fair value of investments	(7,311,986)	3,231,872
Net Investment Income (Loss)	(6,069,539)	5,005,150
Interest Income On Notes Receivable From Participants	10,878	5,195
Net Increase (Decrease)	(5,085,340)	5,999,326
Net Assets Available For Benefits - Beginning Of Year	42,227,767	36,228,441
Net Assets Available For Benefits - End Of Year	\$ 37,142,427	\$ 42,227,767

DONALD DANFORTH PLANT SCIENCE CENTER DEFINED CONTRIBUTION RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS December 31, 2022 And 2021

1. Description Of The Plan

The following description of the Donald Danforth Plant Science Center Defined Contribution Retirement Plan (the “Plan”) provides only general information. Participants should refer to the Plan Document for a more complete description of the Plan’s provisions.

General

The Plan is a 403(b) defined contribution plan established by the Donald Danforth Plant Science Center (the “Employer”). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”), as amended. Teachers Insurance And Annuity Association (TIAA) serves as the recordkeeper of the Plan.

Contributions

Participants may defer any percentage of their annual compensation, subject to certain limitations on a pre-tax or Roth after-tax basis. Participants may also contribute transferred assets directly from any other qualified retirement plan (rollovers).

Effective January 1, 2022, no employee groups are excluded from participation in Plan contributions. Prior to January 1, 2022, for purposes of both matching and employer non-elective contributions the following employee groups were excluded: employees classified as part-time on payroll who work less than an average of 30 hours per week, graduate students classified as employees on payroll and employees classified as foreign nationals hired on or after January 1, 2014 who are on a J or F VISA status. As of January 1, 2018, employees with a J or F Visa status are eligible for matching and Employer non-elective contributions. Foreign national employees who perform services under J or F VISA status hired on or prior to December 31, 2013 continue to be eligible for matching and Employer non-elective contributions.

There are no age or service requirements to participate in the Plan. Employees may make deferral contributions and receive the Employer contributions on the first day of the payroll period that follows their hire date.

For the years ended December 31, 2022 and 2021, the Employer non-elective contribution was equal to 3% of each participant’s eligible compensation.

DONALD DANFORTH PLANT SCIENCE CENTER DEFINED CONTRIBUTION RETIREMENT PLAN

Notes To Financial Statements *(Continued)*

The Plan contains an additional matching provision that requires the Employer to make a contribution ranging from 2% to 5% of the participant's eligible compensation.

Participant Accounts

Each participant's account is credited with the participant's contribution, the Employer's contribution and an allocation of the Plan's earnings (losses) and expenses. Allocations are based on account balances, as defined by the Plan Document. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Investment Options

Upon enrollment in the Plan, a participant may direct elective contributions and Employer contributions in any of the available investment options. The investment options consist of guaranteed investment accounts, registered investment companies, variable annuity accounts, and a pooled separate account.

Notes Receivable From Participants

A participant may borrow from their fund accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 or 50% of their vested account balance. Loans are secured by the participant's vested account balance and bear interest at a variable rate, adjusted on a quarterly basis, as defined by the Plan Document. Loans are for a period not to exceed five years, unless used to purchase a primary residence in which case the loan may not exceed ten years.

Prior to the 2019 plan year, participants borrowed from TIAA directly. The amount of Plan assets serving as collateral for notes receivable from participants issued directly by the Trustee at December 31, 2022 and 2021 was \$65,159 and \$158,474, respectively.

Vesting

Participant and Employer contributions and earnings thereon are fully vested and nonforfeitable at all times. Prior to January 1, 2021, Employer matching contributions and earnings thereon became fully vested and nonforfeitable after completing three years of service in which the employee worked at least 1,000 hours within each Plan year.

DONALD DANFORTH PLANT SCIENCE CENTER DEFINED CONTRIBUTION RETIREMENT PLAN

Notes To Financial Statements *(Continued)*

Forfeitures

At December 31, 2022 and 2021, there were no forfeited non-vested account balances. Forfeited non-vested accounts may be used to reduce future Employer contributions to the Plan and pay Plan administrative expenses. Forfeitures used to offset Employer contributions for the years ended December 31, 2022 and 2021 totaled approximately \$13,800 and \$200,800, respectively.

Payment Of Benefits

Amounts in a participant's account, including rollovers and investment earnings, are distributed upon retirement, death, disability, or other termination of employment. Active participants may also elect to receive a distribution upon attainment of age 59 ½ or a safe harbor hardship distribution, as defined by the Plan. The normal forms of retirement benefit are lump-sum payments, installment payments or the purchase of annuity contracts.

Active participants who experience a qualifying financial hardship may withdraw all or part of their vested account resulting from elective deferral contributions. Hardship withdrawals will be approved only if they conform to Plan provisions and established Internal Revenue Code (IRC) safe harbors.

Administrative Expenses

Each participant will pay administrative and investment expenses based on the percentage of assets held in their vested accounts. The investment expenses are netted against earnings and are included in investment income (loss), and the administrative expenses are shown in total deductions on the statements of changes in net assets available for benefits. Significant costs of administering the Plan are paid by the Employer.

2. Summary Of Significant Accounting Policies

Basis Of Accounting

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

DONALD DANFORTH PLANT SCIENCE CENTER DEFINED CONTRIBUTION RETIREMENT PLAN

Notes To Financial Statements *(Continued)*

Estimates And Assumptions

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 amount of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions to and deductions from net assets during the reporting period. Actual results could differ from those estimates.

Investment Valuation And Income Recognition

The Plan's investments, other than fully benefit-responsive investment contracts, are stated at fair value, which is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 4 for a discussion of fair value measurements.

Investment contracts held by a defined contribution plan are generally reported at contract value except for those contracts that are non-fully benefit-responsive. In that instance, these contracts are required to be reported at fair value. A portion of the Plan's investment in the TIAA Traditional Annuity account is not a fully benefit-responsive investment contract and is reported at fair value in the statement of net assets available for benefits. The remainder of the balance in the TIAA Traditional Annuity is fully-benefit responsive and has been reported at contract value in the statement of net assets available for benefits.

The net change in fair value of investments represents the difference between the aggregate fair value of investments at year end and the values at the beginning of the year and includes any realized gains and losses in securities that were bought and sold during the year.

Interest income is recorded as earned on the accrual basis. Dividends are recorded on the ex-dividend date. Purchases and sales of securities are recorded on a trade date basis.

Payment Of Benefits

Benefits are recorded when paid.

Subsequent Events

Management evaluates subsequent events through the date financial statements were available for issue, which is the date of the Independent Auditors' Report

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes To Financial Statements (*Continued*)

3. TIAA Traditional Annuity

The TIAA Traditional Annuity is a guaranteed fixed annuity contract available as an investment option to Plan participants. The TIAA Traditional Annuity is offered through a variety of contract types, including: the Group Retirement Annuity (GRA); Retirement Choice Annuity (RC); Group Supplemental Retirement Annuity (GSRA); Supplemental Retirement Annuity (SRA); and the Retirement Choice Plus Annuity (RCP).

Group Retirement Annuity And Retirement Choice Annuity

The GRA and RC are not fully benefit-responsive and reported at fair value, which approximates contract value as estimated by TIAA. The GRA and RC contain liquidity restrictions where lump-sum withdrawals are permitted within 120 days following termination of employment, are subject to a 2.5% surrender charge, and contain certain limitations on the number periodic installment payments.

Group Supplemental Retirement Annuity, Supplemental Retirement Annuity, And Retirement Choice Plus Annuity

The GSRA, SRA, and RCP are fully benefit-responsive and are reported at contract value. The contract value equals the accumulated cash contributions, interest credited to the Plan's contracts, and transfers, if any, less any withdrawals and transfers, if any.

The GSRA and SRA provide a guarantee of principal, a guaranteed minimum rate of interest of 3% and the potential for additional interest, if declared by TIAA. The RCP provides a guarantee of principal, a guaranteed minimum of interest between 1% and 3% redetermined annually each March 1, and the potential for additional interest, if declared by TIAA. Additional interest, when declared, remains in effect for the "declaration year", which begins each March 1. Additional interest is not guaranteed for future years. The crediting rate is supported by the investment performance of a large, diversified portfolio, is correlated with the highest quality debt security yields, and is adjusted for contract liability.

DONALD DANFORTH PLANT SCIENCE CENTER DEFINED CONTRIBUTION RETIREMENT PLAN

Notes To Financial Statements (*Continued*)

4. Certified Financial Information

The Plan Administrator has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, Teachers Insurance And Annuity Association and College Retirement Equities Fund (TIAA-CREF) has certified that the following data included in the accompanying financial statements and supplemental schedule is complete and accurate with respect to investments:

- Investments at fair value and contract value
- Net change in fair value of investments
- Interest and dividends
- Schedule of assets (held at end of year)
- Notes receivable from participants
- Interest income on notes receivable from participants

The Plan's independent public accountants did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedule.

5. Fair Value Measurements

The Plan utilizes an established framework for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described below:

- 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;

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes To Financial Statements (*Continued*)

- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

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

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

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

The following is a description of the valuation methodologies used for assets measured at fair value.

Registered Investment Companies

Valued at the daily closing price as reported by the fund. Registered investment companies held by the Plan are open-end investment companies that are registered with the Securities and Exchange Commission. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The registered investment companies held by the Plan are deemed to be actively traded.

Pooled Separate Account

TIAA Real Estate Account's (a pooled separate account) fair value is based on the fund's daily NAV, which is considered by Plan management to be the best approximation of fair value. The unit value of the fund is calculated daily and available to Plan Administrators and client investors on TIAA-CREF's website. Underlying holdings are primarily valued using independent appraisals or independent pricing sources.

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes To Financial Statements (*Continued*)

Variable Annuity Accounts

Variable annuity accounts are valued at the daily closing price as reported by the investment. These variable annuity accounts held by the Plan are open-end registered investment companies that are registered with the Securities and Exchange Commission. These investments are required to publish their daily NAV and to transact at that price. These variable annuity accounts held by the Plan are deemed to be actively traded.

Guaranteed Investment Accounts

Valued at fair value by discounting the related cash flows based on current yields of similar instruments with comparable durations considering the credit-worthiness of the issuer.

The methods described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. While Plan management 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 table presents the Plan's fair value hierarchy for those investments measured at fair value as of December 31, 2022:

	Level 1	Level 2	Level 3	Total
Registered investment companies	\$ 22,099,713	\$ —	\$ —	\$ 22,099,713
Variable annuity accounts	8,688,595	—	—	8,688,595
Guaranteed investment accounts	—	—	3,442,361	3,442,361
Total Investments In The Fair Value Hierarchy	\$ 30,788,308	\$ —	\$ 3,442,361	34,230,669
Investments measured at net asset value {a}				1,532,506
Total Investments At Fair Value				\$ 35,763,175

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes To Financial Statements (*Continued*)

The following table presents the Plan's fair value hierarchy for those investments measured at fair value as of December 31, 2021:

	Level 1	Level 2	Level 3	Total
Registered investment companies	\$ 23,774,041	\$ —	\$ —	\$ 23,774,041
Variable annuity accounts	12,565,943	—	—	12,565,943
Guaranteed investment accounts	—	—	3,285,299	3,285,299
Total Investments In The Fair Value Hierarchy	\$ 36,339,984	\$ —	\$ 3,285,299	39,625,283
Investments measured at net asset value {a}				1,405,882
Total Investments At Fair Value				\$ 41,031,165

{a} Certain investments that are measured at net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. The fair value amounts presented in these tables are intended to permit reconciliation of the fair value hierarchy to the line items presented in the statements of net assets available for benefits.

During 2022 and 2021, there were no transfers of assets into or out of Level 3 of the fair value hierarchy.

For the years ended December 31, 2022 and 2021, the Plan had no unfunded purchase commitments.

The table below sets forth a summary of changes in the fair value of the Plan's Level 3 assets for the years ended December 31:

	Guaranteed Investment Accounts	
	2022	2021
Balance - beginning of year	\$ 3,285,299	\$ 3,387,963
Interest credited	30,075	10,919
Realized gains	25,998	55,221
Unrealized gains	81,770	44,666
Purchases	39,234	25,050
Repayments and settlements	(20,015)	(238,520)
Balance - end of year	\$ 3,442,361	\$ 3,285,299

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes To Financial Statements (*Continued*)

The following table represents the Plan's Level 3 financial instruments, the valuation techniques used to measure the fair value of those financial instruments, the significant unobservable inputs and the ranges of values for those inputs as of December 2022:

Instrument	Fair Value	Principal Valuation Technique	Unobservable Inputs	Range Of Significant Input Values
Guaranteed investment account	\$ 3,442,361	Discounted cash flow	Risk-adjusted discount rate applied	RA - 3.70% - 6.25%
		Theoretical transfer (exit value)		SRA - 3.00% - 5.50%
				GRA - 3.70% - 6.25%
				GSRA - 3.00% - 5.50%
				RC - 3.95% - 6.50%
				RCP - 3.20% - 5.75%

The following table represents the Plan's Level 3 financial instruments, the valuation techniques used to measure the fair value of those financial instruments, the significant unobservable inputs and the ranges of values for those inputs as of December 2021:

Instrument	Fair Value	Principal Valuation Technique	Unobservable Inputs	Range Of Significant Input Values
Guaranteed investment account	\$ 3,285,299	Discounted cash flow	Risk-adjusted discount rate applied	RA - 3.00% - 3.80%
		Theoretical transfer (exit value)		SRA - 3.00% - 3.05%
				GRA - 3.00% - 3.80%
				GSRA - 3.00% - 3.05%
				RC - 2.75% - 3.90%
				RCP - 2.00% - 3.15%

There have been no changes in the methodologies used at December 31, 2022 or 2021.

6. Income Tax Status

The Plan uses a volume submitter defined contribution plan that received a favorable opinion letter from the Internal Revenue Service on August 7, 2017, which stated that the Plan, as then designed, was in accordance with applicable sections of the IRC. Although the Plan has been amended since the date of the opinion letter, the Plan Administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC and as such is exempt from Federal income taxes.

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes To Financial Statements *(Continued)*

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan. Management evaluated the Plan's tax positions and concluded that the Plan had maintained its tax exempt status and had taken no uncertain tax positions that require recognition or disclosure in the financial statements. Therefore, no provision or liability for income taxes has been included in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits in progress for any tax periods.

7. Plan Termination

Although it has not expressed any intent to do so, the Employer has the right to terminate the Plan at any time subject to the provisions of ERISA. In the event of Plan termination, participants would become 100% vested in their Employer contributions.

8. Related Party And Party-In-Interest Transactions

Certain Plan investments are managed by TIAA-CREF. The related transactions with TIAA-CREF qualify as allowable party in interest transactions.

Certain employees have outstanding loans with the Plan as of December 31, 2022 and 2021. These loans are considered allowable party in interest transactions.

9. Risks And Uncertainties

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

**DONALD DANFORTH PLANT SCIENCE CENTER
DEFINED CONTRIBUTION RETIREMENT PLAN**

Notes To Financial Statements *(Continued)*

10. Prior Period Restatement

At December 31, 2021, certain Plan assets were incorrectly categorized within the fair value hierarchy. The following table sets forth by level, within the fair value hierarchy, the Plan's assets at fair value as previously reported in the 2021 financial statements:

	Level 1	Level 2	Level 3	Total
Registered investment companies	\$ 23,774,041	\$ —	\$ —	\$ 23,774,041
Guaranteed investment accounts	—	3,285,299	—	3,285,299
Total Investments In The Fair Value Hierarchy	\$ 23,774,041	\$ 3,285,299	\$ —	27,059,340
Investment measured at NAV:				
Variable annuity accounts *				12,565,943
Pooled separate account *				1,405,882
				<u>13,971,825</u>
Total Investments At Fair Value				<u>\$ 41,031,165</u>

* Certain investments that are measured at net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. The fair value amounts presented in these tables are intended to permit reconciliation of the fair value hierarchy to the line items presented in the statements of net assets available for benefits.

The restated fair value hierarchy as of December 31, 2021 is seen at Note 5.

11. Reconciliation Of Financial Statements To Form 5500

The following is a reconciliation of net assets available for benefits per the financial statements to Form 5500 as of December 31:

	2022	2021
Net assets available for benefits per the financial statements	\$ 37,142,427	\$ 42,227,767
Deemed distributed loans	(15,021)	—
Net Assets Available For Benefits Per Form 5500	\$ 37,127,406	\$ 42,227,767

The following is a reconciliation of the net decrease in net assets available for benefits per the financial statements to Form 5500 for the year ended December 31, 2022:

Net decrease per the financial statements	\$ (5,085,340)
Change in deemed distributed loans	<u>(15,021)</u>
Net Loss Per Form 5500	<u>\$ (5,100,361)</u>

Supplemental Schedule

DONALD DANFORTH PLANT SCIENCE CENTER DEFINED CONTRIBUTION RETIREMENT PLAN

E.I.N.: 31-1584621 PLAN NUMBER: 001
SCHEDULE OF ASSETS HELD AT END OF YEAR
Page 1 Of 2
December 31, 2022

Identity Of Issuer, Borrower, Lessor Or Similar Party	Description Of Investment	Cost (1)	Current Value
* TIAA Traditional Annuity-Benefit Responsive	Guaranteed Investment Account	\$	739,593
* TIAA Traditional Annuity-Non Benefit Responsive	Guaranteed Investment Account		2,722,117
* TIAA Traditional Annuity-Benefit Responsive 2	Guaranteed Investment Account		34,738
* TIAA Traditional Annuity-Non Benefit Responsive 2	Guaranteed Investment Account		720,245
* TIAA Stable Value	Guaranteed Investment Account		317,627
			4,534,320
* TIAA Real Estate Fund	Pooled Separate Account		1,532,506
* TIAA-CREF Lifecycle 2010 Institutional	Registered Investment Company		92,183
* TIAA-CREF Lifecycle 2015 Institutional	Registered Investment Company		544,230
* TIAA-CREF Lifecycle 2020 Institutional	Registered Investment Company		1,021,347
* TIAA-CREF Lifecycle 2025 Institutional	Registered Investment Company		1,526,943
* TIAA-CREF Lifecycle 2030 Institutional	Registered Investment Company		1,788,367
* TIAA-CREF Lifecycle 2035 Institutional	Registered Investment Company		1,476,520
* TIAA-CREF Lifecycle 2040 Institutional	Registered Investment Company		1,263,803
* TIAA-CREF Lifecycle 2045 Institutional	Registered Investment Company		2,063,307
* TIAA-CREF Lifecycle 2050 Institutional	Registered Investment Company		1,053,352
* TIAA-CREF Lifecycle 2055 Institutional	Registered Investment Company		1,086,165
* TIAA-CREF Lifecycle 2060 Institutional	Registered Investment Company		332,330
* TIAA-CREF Lifecycle Retirement Income Fund	Registered Investment Company		11,133
American Funds EuroPacific Growth Fund R5	Registered Investment Company		561,624
American Funds U.S. Government Securities Fund R5	Registered Investment Company		153,718
Vanguard 500 Index Fund Admiral	Registered Investment Company		1,476,174
Vanguard Mid Cap Index Fund Admiral	Registered Investment Company		473,369
Vanguard Small Cap Index Fund Signal	Registered Investment Company		1,063,636
Vanguard Total International Stock Index Admiral	Registered Investment Company		1,046,601
Vanguard Total Bond Market Index Fund Admiral	Registered Investment Company		100,593
Vanguard Wellington Admiral	Registered Investment Company		597,779
Vanguard Windsor II Admiral	Registered Investment Company		609,617
American Century Inflation Adjusted Bond Investor	Registered Investment Company		89,386
DFA US Small Cap Portfolio Institutional	Registered Investment Company		155,774
Metropolitan West Total Return Bond Fund	Registered Investment Company		145,283
American Century Mid Cap Value Fund R6 Class	Registered Investment Company		263,798
* TIAA Access Bond Plus T2	Registered Investment Company		5,551
* TIAA Access Bond T2	Registered Investment Company		10,697
* TIAA Access Equity Index T2	Registered Investment Company		34,736
* TIAA Access Growth & Income T2	Registered Investment Company		4,660
* TIAA Access Inflation Linked Bond Fund T2	Registered Investment Company		2,865
* TIAA Access International Equity Fund T2	Registered Investment Company		201,046
* TIAA Access Lifecycle Retirement Income T2	Registered Investment Company		34,247
* TIAA Access Large-Cap Growth Index Fund T2	Registered Investment Company		34,327
* TIAA Access Large-Cap Value Index Fund T2	Registered Investment Company		327,420

DONALD DANFORTH PLANT SCIENCE CENTER DEFINED CONTRIBUTION RETIREMENT PLAN

E.I.N.: 31-1584621 PLAN NUMBER: 001
SCHEDULE OF ASSETS HELD AT END OF YEAR
Page 2 Of 2
December 31, 2022

Identity Of Issuer, Borrower, Lessor Or Similar Party	Description Of Investment	Cost (1)	Current Value
* TIAA Access Lifecycle 2010 T2	Registered Investment Company	\$	1,257
* TIAA Access Lifecycle 2020 T2	Registered Investment Company		158,976
* TIAA Access Lifecycle 2025 T2	Registered Investment Company		281,281
* TIAA Access Lifecycle 2030 T2	Registered Investment Company		8,049
* TIAA Access Lifecycle 2035 T2	Registered Investment Company		20,112
* TIAA Access Lifecycle 2045 T2	Registered Investment Company		10,045
* TIAA Access Lifecycle 2050 T2	Registered Investment Company		405
* TIAA Access Mid-Cap Growth Fund T2	Registered Investment Company		37,981
* TIAA Access Mid-Cap Value Fund T2	Registered Investment Company		173,511
* TIAA Access Money Market T2	Registered Investment Company		162,294
* TIAA Access Real Estate Securities Fund T2	Registered Investment Company		109,234
* TIAA Access Small-Cap Blend Index Fund T2	Registered Investment Company		135,896
* TIAA Access Quant Small-Cap Equity Fund T2	Registered Investment Company		100,282
* TIAA Access Social Choice Equity Fund T2	Registered Investment Company		29,230
* TIAA-CREF Money Market Fund	Registered Investment Company		480,536
JP Morgan Mid Cap Growth Fund Class R6	Registered Investment Company		427,220
MFS Growth Fund Class R6	Registered Investment Company		310,823
			<u>22,099,713</u>
* CREF Stock R1	Variable Annuity Account		3,749,556
* CREF Money Market R1	Variable Annuity Account		504,859
* CREF Social Choice R1	Variable Annuity Account		165,576
* CREF Bond Market R1	Variable Annuity Account		404,334
* CREF Global Equities R1	Variable Annuity Account		1,557,594
* CREF Growth R1	Variable Annuity Account		1,483,260
* CREF Equity Index R1	Variable Annuity Account		674,855
* CREF Inflation-Linked Bond R1	Variable Annuity Account		148,561
			<u>8,688,595</u>
* Participant Loans	Notes receivable bearing interest at rates of 4.00% through 8.00% due at various dates through October 2027		<u>287,293</u>
			<u>\$ 37,142,427</u>

* Indicates allowable party in interest

The above information is a required disclosure for IRS Form 5500, Schedule H, Part IV, line 4i.

(1) Cost information has been omitted for investments that are participant directed.

Plan Name	DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN
Plan Sponsor EIN	31-1584621
ERISA Plan #	001
Plan Year Ending	December 31, 2022

The required attachment marked with an "X" in the Attachment column is included within the Accountant's Opinion attachment to Sch. H, Part III, Line 3, which consists of the entire audit report issued by the plan's Independent Qualified Public Accountant (IQPA).

Form/Schedule	Line #	Description	Attachment
5500 Sch. H	Line 3	Financial statements used in formulating the IQPA's opinion	X
5500 Sch. H	Line 4i	Schedule of Assets (Held at End of Year)	X
5500 Sch. H	Line 4i	Schedule of Assets (Acquired and Disposed of Within Year)	
5500 Sch. H	Line 4j	Schedule of Reportable Transactions	
5500 Sch. H	Line 4a	Schedule of Delinquent Participant Contributions	

Plan Name	DONALD DANFORTH PLANT SCIENCE CTR DEFINED CONTRIBUTION RETIREMENT PLAN
Plan Sponsor EIN	31-1584621
ERISA Plan #	001
Plan Year Ending	December 31, 2022

The required attachment marked with an "X" in the Attachment column is included within the Accountant's Opinion attachment to Sch. H, Part III, Line 3, which consists of the entire audit report issued by the plan's Independent Qualified Public Accountant (IQPA).

Form/Schedule	Line #	Description	Attachment
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