

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 2024 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
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 AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN
1b	Three-digit plan number (PN) ▶ 001
1c	Effective date of plan 12/01/1940
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) AMERICAN ELECTRIC POWER SERVICE CORPORATION 1 RIVERSIDE PLAZA COLUMBUS, OH 43215
2b	Employer Identification Number (EIN) 13-4922641
2c	Plan Sponsor's telephone number 614-716-1000
2d	Business code (see instructions) 221100

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.	10/08/2025	MATTHEW D. FRANSEN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☒ 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 33219
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6a(1) 16073 6a(2) 15217 6b 10475 6c 3686 6d 29378 6e 3170 6f 32548 6g(1) 6g(2) 6h 180
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:
 1C 3H 1A 3F 1E

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

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

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

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☐ **A** (Insurance Information) – Number Attached 0
- (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 2024 Form M-1 annual report. If the plan was not required to file the 2024 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 SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2024 This Form is Open to Public Inspection
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024	
▶ Round off amounts to nearest dollar.	
▶ Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.	
A Name of plan AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF AMERICAN ELECTRIC POWER SERVICE CORPORATION	D Employer Identification Number (EIN) 13-4922641
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information			
1	Enter the valuation date: Month 01 Day 01 Year 2024			
2	Assets:			
a	Market value	2a	4114488966	
b	Actuarial value	2b	3959568046	
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a	For retired participants and beneficiaries receiving payment	13753	2051239452	2051239452
b	For terminated vested participants	3393	238855426	238855426
c	For active participants	16073	1598870706	1613884567
d	Total	33219	3888965584	3903979445
4	If the plan is in at-risk status, check the box and complete lines (a) and (b). ☐			
a	Funding target disregarding prescribed at-risk assumptions	4a		
b	Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5	Effective interest rate	5	5.06 %	
6	Target normal cost			
a	Present value of current plan year accruals	6a	101991415	
b	Expected plan-related expenses	6b	7000000	
c	Target normal cost	6c	108991415	

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	Signature of actuary MAX MURPHY Type or print name of actuary WILLIS TOWERS WATSON US LLC Firm name 1001 LAKESIDE AVENUE SUITE 1500 CLEVELAND, OH 44114-1172 Address of the firm	09/12/2025 Date 23-08791 Most recent enrollment number 216-937-4119 Telephone number (including area code)
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Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	95697955	861269654
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	95697955	82258407
9 Amount remaining (line 7 minus line 8)	0	779011247
10 Interest on line 9 using prior year's actual return of <u>9.42</u> %	0	73382859
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		0
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.18</u> %		0
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		0
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	19913596
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	832480510

Part III Funding Percentages

14 Funding target attainment percentage	14	80.10 %
15 Adjusted funding target attainment percentage	15	101.42 %
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	80.45 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
06/18/2025	94700000	0			
Totals ▶			18(b)	94700000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	88098398

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☒ Yes ☐ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☒ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

Part V	Assumptions Used to Determine Funding Target and Target Normal Cost
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21	Discount rate:			
a	Segment rates:	1st segment: 4.75 %	2nd segment: 4.87 %	3rd segment: 5.59 %
				☐ N/A, full yield curve used
b	Applicable month (enter code)			21b 3
22	Weighted average retirement age			22 63
23	Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute			

Part VI	Miscellaneous Items
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24	Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....			☒ Yes ☐ No
25	Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.....			☐ Yes ☒ No
26	Demographic and benefit information			
a	Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.			☒ Yes ☐ No
b	Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...			☒ Yes ☐ No
27	If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....			27

Part VII	Reconciliation of Unpaid Minimum Required Contributions For Prior Years
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28	Unpaid minimum required contributions for all prior years	28	0
29	Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	29	0
30	Remaining amount of unpaid minimum required contributions (line 28 minus line 29).....	30	0

Part VIII	Minimum Required Contribution For Current Year
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31	Target normal cost and excess assets (see instructions):		
a	Target normal cost (line 6c)	31a	108991415
b	Excess assets, if applicable, but not greater than line 31a	31b	0
32	Amortization installments:	Outstanding Balance	Installment
a	Net shortfall amortization installment	776891909	74048320
b	Waiver amortization installment	0	0
33	If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount		
34	Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....		
	Carryover balance	Prefunding balance	Total balance
35	Balances elected for use to offset funding requirement	0	183039735
36	Additional cash requirement (line 34 minus line 35)		
37	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)		
38	Present value of excess contributions for current year (see instructions)		
a	Total (excess, if any, of line 37 over line 36)	38a	88098398
b	Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	88098398
39	Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)		
40	Unpaid minimum required contributions for all years		

Part IX	Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)
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41	If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☐ 2019 ☐ 2020 ☒ 2021		
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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
		2024
		This Form is Open to Public Inspection.

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024		
A Name of plan AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN ELECTRIC POWER SERVICE CORPORATION	D Employer Identification Number (EIN) 13-4922641	

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
HAMILTON LANE
23-2962336

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
TOWNSEND GROUP
45-3073569

(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)

TELUS HEALTH

52-1883918

(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 38 50	NONE	1353576	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

JENNISON ASSOCIATES

52-2069785

(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?
28 50 51	NONE	1207718	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

POLARIS CAPITAL MANAGEMENT

04-3269043

(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?
28 50 51 68 71	NONE	1044845	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

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

SANDS CAPITAL MANAGEMENT

20-2830751

(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?
28 50 51 68	NONE	1024955	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

TOWNSEND

45-3073569

(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?
28 50 51	NONE	947655	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

VONTOBEL

13-3223264

(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?
28 50 51 68	NONE	938462	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

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

J.P.MORGAN INVESTMENT MANAGEMENT

13-3200244

(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 28 50 51	NONE	875826	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

WELLINGTON

30-0835489

(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?
28 50 51 68	NONE	857909	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

RIVER & MERCANTILE

30 COLEMAN STREET
LONDON, LONDON EC2R 5AL GB

(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?
28 50 51	NONE	850653	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

BNY MELLON

13-5160382

(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?
18 19 21 25 31 34 49 50 62	NONE	805495	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

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

HAMILTON LANE

23-2962336

(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?
28 50 51	NONE	661125	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

NISA INVESTMENT ADVISORS

48-1140940

(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?
28 50 51	NONE	274174	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

AON INVESTMENTS USA INC.

36-3109431

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
16 27 50	NONE	210147	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

FRANKLIN TEMPLETON INSTITUTIONAL

94-3411725

(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?
28 50 51 68	NONE	187776	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

JP MORGAN CHASE BANK

13-4994650

(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?
24 28 50 51	NONE	144418	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

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

ARIEL INVESTMENTS, LLC

02-0712418

(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?
28 50 51 68	NONE	131604	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

WILLIS TOWERS WATSON ACTUARY SVC

53-0181291

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
11 17 50 70	NONE	115390	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

MELLON CAPITAL MANAGEMENT

25-6078093

(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?
28 50 51	NONE	114984	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

BDO USA, P.C.

13-5381590

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	NONE	105194	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

BUSINESS SOLVER

1025 ASHWORTH ROAD
WEST DES MOINES, IA 50265

(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 38 50	NONE	57875	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

PORTER, WRIGHT, MORRIS & ARTHUR LLP

31-4373657

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
29 50	NONE	12268	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

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

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

Part II Service Providers Who Fail or Refuse to Provide Information

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

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

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

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2024 This Form is Open to Public Inspection.
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024		
A Name of plan AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 AMERICAN ELECTRIC POWER SERVICE CORPORATION	D Employer Identification Number (EIN) 13-4922641	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)		
a Name of MTIA, CCT, PSA, or 103-12 IE: CPTF SPECIAL SITUATION PROPERTY			
b Name of sponsor of entity listed in (a): JP MORGAN CHASE BANK, N.A.			
c EIN-PN 13-3980309-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1	
a Name of MTIA, CCT, PSA, or 103-12 IE: BNYM MELON DB SL ACWI FUND			
b Name of sponsor of entity listed in (a): THE BANK OF NEW YORK MELLON			
c EIN-PN 25-6078093-191	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 494542239	
a Name of MTIA, CCT, PSA, or 103-12 IE: OHA STRATEGIC CREDIT FUND II			
b Name of sponsor of entity listed in (a): OAK HILL ADVISORS			
c EIN-PN 13-4077194-000	d Entity code E	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2653119	
a Name of MTIA, CCT, PSA, or 103-12 IE: CPTF LONG DURATION INVESTMENT GRADE			
b Name of sponsor of entity listed in (a): JP MORGAN CHASE BANK, N.A.			
c EIN-PN 26-0199869-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 107248488	
a Name of MTIA, CCT, PSA, or 103-12 IE: EB TEMPORARY INVESTMENT FUND			
b Name of sponsor of entity listed in (a): THE BANK OF NEW YORK MELLON			
c EIN-PN 25-6078093-023	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 3051515	
a Name of MTIA, CCT, PSA, or 103-12 IE:			
b Name of sponsor of entity listed in (a):			
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:			
b Name of sponsor of entity listed in (a):			
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	

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

Part II Information on Participating Plans (to be completed by DFEs, other than DCGs)

(Complete as many entries as needed to report all participating plans. DCGs must report each participating plan using Schedule DCG.)

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

SCHEDULE G (Form 5500) Department of Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	Financial Transaction Schedules 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 2024 This Form is Open to Public Inspection.
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024	
A Name of plan AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN	B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN ELECTRIC POWER SERVICE CORPORATION	D Employer Identification Number (EIN) 13-4922641

Part I	Schedule of Loans or Fixed Income Obligations in Default or Classified as Uncollectible Complete as many entries as needed to report all loans or fixed income obligations in default or classified as uncollectible. Check box (a) if obligor is known to be a party in interest. Attach Overdue Loan Explanation for each loan listed. See Instructions.				
(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
	Amount received during reporting year			Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
	Amount received during reporting year			Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest
(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
	Amount received during reporting year			Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest

(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest

(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest

(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest

(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest

(a)	(b) Identity and address of obligor		(c) Detailed description of loan including dates of making and maturity, interest rate, the type and value of collateral, any renegotiation of the loan and the terms of the renegotiation, and other material items		
☐					
		Amount received during reporting year		Amount overdue	
(d) Original amount of loan	(e) Principal	(f) Interest	(g) Unpaid balance at end of year	(h) Principal	(i) Interest

Part II Schedule of Leases in Default or Classified as Uncollectible

Complete as many entries as needed to report all leases in default or classified as uncollectible. Check box (a) if lessor or lessee is known to be a party in interest. Attach Overdue Lease Explanation for each lease listed. (See instructions)

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

(a)	(b) Identity of lessor/lessee	(c) Relationship to plan, employer, employee organization, or other party-in-interest	(d) Terms and description (type of property, location and date it was purchased, terms regarding rent, taxes, insurance, repairs, expenses, renewal options, date property was leased)			
☐						
(e) Original cost	(f) Current value at time of lease	(g) Gross rental receipts during the plan year	(h) Expenses paid during the plan year	(i) Net receipts	(j) Amount in arrears	

Complete as many entries as needed to report all nonexempt transactions. **Caution:** If a nonexempt prohibited transaction occurred with respect to a disqualified person, file Form 5330 with the IRS to pay the excise tax on the transaction.

(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
AMERICAN ELECTRIC POWER SERVICE CO.		PLAN SPONSOR/EMPLOYER		PAYMENT OF EXPENSE NOT ALLOCABLE TO PLAN			
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
				923			
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	
(a) Identity of party involved		(b) Relationship to plan, employer, or other party-in-interest		(c) Description of transaction including maturity date, rate of interest, collateral, par or maturity value		(d) Purchase price	
(e) Selling price		(f) Lease rental		(g) Transaction expenses		(h) Cost of asset	

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
		2024
		This Form is Open to Public Inspection

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

A Name of plan AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN ELECTRIC POWER SERVICE CORPORATION	D Employer Identification Number (EIN) 13-4922641

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	38041	5624352
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	0	94700000
(2) Participant contributions.....	1b(2)		
(3) Other	1b(3)	52676990	41771446
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	66687900	70292195
(2) U.S. Government securities	1c(2)	1163702949	916705587
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	528544294	490956418
(B) All other	1c(3)(B)	567006008	387011699
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)	815207721	625805070
(5) Partnership/joint venture interests	1c(5)	579828068	562472127
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)	561384404	604842243
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)	3252099	2653119
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	274484	176285812
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other.....	1c(15)	137293510	106677436

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	4475896468	4085797504
Liabilities			
g Benefit claims payable.....	1g		
h Operating payables.....	1h	5831549	14052823
i Acquisition indebtedness.....	1i		
j Other liabilities.....	1j	95327418	73769707
k Total liabilities (add all amounts in lines 1g through 1j).....	1k	101158967	87822530
Net Assets			
l Net assets (subtract line 1k from line 1f).....	1l	4374737501	3997974974

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)	94700000	
(B) Participants.....	2a(1)(B)		
(C) Others (including rollovers).....	2a(1)(C)		
(2) Noncash contributions.....	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B), (C), and line 2a(2)	2a(3)		94700000
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)	-20783	
(B) U.S. Government securities.....	2b(1)(B)	35162697	
(C) Corporate debt instruments.....	2b(1)(C)	51051551	
(D) Loans (other than to participants).....	2b(1)(D)		
(E) Participant loans.....	2b(1)(E)		
(F) Other.....	2b(1)(F)	3615763	
(G) Total interest. Add lines 2b(1)(A) through (F).....	2b(1)(G)		89809228
(2) Dividends: (A) Preferred stock.....	2b(2)(A)		
(B) Common stock.....	2b(2)(B)	13565298	
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B), and (C).....	2b(2)(D)		13565298
(3) Rents.....	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds.....	2b(4)(A)	2797443627	
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)	2758339638	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result.....	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate.....	2b(5)(A)		
(B) Other.....	2b(5)(B)	-115688609	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B).....	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		74695225
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		-117366
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		37541
c Other income	2c		12453563
d Total income. Add all income amounts in column (b) and enter total	2d		208558869

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	539503360	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)	28218616	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		567721976
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses:			
(1) Salaries and allowances	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Recordkeeping fees	2i(3)	1192991	
(4) IQPA audit fees	2i(4)	105195	
(5) Investment advisory and investment management fees	2i(5)	8210479	
(6) Bank or trust company trustee/custodial fees	2i(6)	1739154	
(7) Actuarial fees	2i(7)	127715	
(8) Legal fees	2i(8)	14770	
(9) Valuation/appraisal fees	2i(9)		
(10) Other trustee fees and expenses	2i(10)		
(11) Other expenses	2i(11)	6209116	
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		17599420
j Total expenses. Add all expense amounts in column (b) and enter total	2j		585321396

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-376762527
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: **BDO USA, P.C.**

(2) EIN: **13-5381590**

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

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

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)		☒	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)		☒	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		☒	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	☒		923
e Was this plan covered by a fidelity bond?	☒		35000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		☒	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?		☒	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	☒		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)	☒		
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		☒	
l Has the plan failed to provide any benefit when due under the plan?		☒	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			

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

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

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

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

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 558588.

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 2024 This Form is Open to Public Inspection.	
For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024					
A Name of plan AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN				B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 AMERICAN ELECTRIC POWER SERVICE CORPORATION				D Employer Identification Number (EIN) 13-4922641	
Part I Distributions					
All references to distributions relate only to payments of benefits during the plan year.					
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....				1	0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 13-5160382					
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	1364
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) 2024 v. 240311	

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) and (b):

a Enter the percentage of plan assets held as:

Public Equity: 35.0 % Private Equity: 6.0 % Investment-Grade Debt and Interest Rate Hedging Assets: 49.0 %

High-Yield Debt: 0.0 % Real Assets: 9.0 % Cash or Cash Equivalents: 1.0 % Other: 0.0 %

b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:

☐ 0-5 years ☐ 5-10 years ☒ 10-15 years ☐ 15 years or more

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

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

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

☐ Yes.

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

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

☐ No. Other. Provide explanation.....

Part VII IRS Compliance Questions

21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? ☐ Yes ☒ No

21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).

☐ Design-based safe harbor method

☐ "Prior year" ADP test

☐ "Current year" ADP test

☒ N/A

22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter ___/___/___ (MM/DD/YYYY) and the Opinion Letter serial number_____.

American Electric Power System Retirement Plan

Financial Statements
and ERISA-Required Supplemental Schedules
Years Ended December 31, 2024 and 2023

The report accompanying these financial statements was issued by BDO USA, P.C., a Virginia professional corporation, and the U.S. member of BDO International Limited, a UK company limited by guarantee.



American Electric Power System Retirement Plan

Financial Statements and ERISA-Required Supplemental Schedules
Years Ended December 31, 2024 and 2023

American Electric Power System Retirement Plan

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Note: All other schedules required by 29 CFR 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act (ERISA) of 1974 have been omitted because they are not applicable.

Independent Auditor's Report

The Plan Administrator
American Electric Power System Retirement Plan
Columbus, Ohio

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

We have performed audits of the financial statements of American Electric Power System Retirement Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C). The financial statements comprise the statements of net assets available for benefits and of accumulated plan benefits as of December 31, 2024 and 2023, and the related statements of changes in net assets available for benefits and of changes in accumulated plan benefits for the years then ended, and the related notes to the financial statements.

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

Management has obtained certifications from a qualified institution as of December 31, 2024 and 2023, and for the years then ended, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

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

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (GAAP); and
- The certified investment information in the accompanying financial statements agrees to, or is derived from, in all material respects, the information prepared and certified by a qualified institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).



Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

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

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

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

Auditor's Responsibilities for the Audit of the Financial Statements

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

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.



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

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

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 GAAP.

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 Matter - Supplemental Schedules Required by ERISA

The supplemental Schedule of Assets (Held at End of Year) as of December 31, 2024, Schedule of Reportable Transactions for the year ended December 31, 2024, and Schedule of Assets (Acquired and Disposed of Within Year) for the year ended December 31, 2024 and Schedule of Nonexempt Transactions for the year ended December 31, 2024, are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the DOL'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 schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that



agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

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

In our opinion:

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

BDO USA, P.C.

October 8, 2025

Financial Statements

American Electric Power System Retirement Plan

Statements of Net Assets Available for Benefits

<i>December 31,</i>	2024	2023
Assets		
Investments, at fair value	\$3,647,969,142	\$ 4,102,511,467
Collateral held under securities lending (Note 5)	59,902,053	62,130,035
Net assets held in 401(h) account at fair value (Note 6)	235,295,749	267,359,230
Due from broker for securities sold	7,698,510	5,027,804
Accrued dividend and interest income	40,121,815	38,029,855
Employer contributions receivable	94,700,000	-
Total Assets	4,085,687,269	4,475,058,391
Liabilities		
Due to broker for securities purchased	12,295,185	10,180,707
Investment advisory and other fees payable	13,942,587	26,402,421
Obligation under securities lending (Note 5)	61,474,523	63,737,762
Payables for investments held in 401(h) account at fair value (Note 6)	235,295,749	267,359,230
Total Liabilities	323,008,044	367,680,120
Net Assets Available for Benefits	\$3,762,679,225	\$ 4,107,378,271

See accompanying notes to financial statements.

American Electric Power System Retirement Plan

Statements of Changes in Net Assets Available for Benefits

<i>Year ended December 31,</i>	2024	2023
Additions		
Employer contributions	\$ 94,700,000	\$ -
Investment income:		
Interest and dividends	98,849,959	100,916,315
Net appreciation in fair value of investments	6,064,569	265,041,236
Other investment income	12,388,910	17,146,173
Net Investment Income	117,303,438	383,103,724
Total Additions	212,003,438	383,103,724
Deductions		
Benefits paid directly to participants or beneficiaries	539,503,360	360,563,656
Administrative expenses	17,199,124	22,325,128
Total Deductions	556,702,484	382,888,784
Net (Decrease) Increase in Net Assets Available for Benefits	(344,699,046)	214,940
Net Assets Available for Benefits, beginning of year	4,107,378,271	4,107,163,331
Net Assets Available for Benefits, end of year	\$3,762,679,225	\$ 4,107,378,271

See accompanying notes to financial statements.

American Electric Power System Retirement Plan

Statements of Accumulated Plan Benefits

<i>December 31,</i>	2024	2023
Actuarial Present Value of Accumulated Plan Benefits		
Vested benefits:		
Participants and beneficiaries currently receiving benefit payments	\$1,788,687,140	\$ 1,759,864,264
Other participants	1,456,865,624	1,517,197,475
Total Vested Benefits	3,245,552,764	3,277,061,739
Nonvested benefits	15,324,799	13,421,498
Total Actuarial Present Value of Accumulated Plan Benefits	\$3,260,877,563	\$ 3,290,483,237

See accompanying notes to financial statements.

American Electric Power System Retirement Plan

Statements of Changes in Accumulated Plan Benefits

<i>Year ended December 31,</i>	2024	2023
Actuarial Present Value of Accumulated Plan Benefits, beginning of year	\$3,290,483,237	\$ 3,305,035,070
Increase (decrease) during the year attributable to:		
Benefits accumulated	80,319,453	75,923,938
Actuarial (gains) losses	54,579,093	(14,997,492)
Interest due to the decrease in the discount period	225,168,366	240,295,226
Benefits paid	(539,503,360)	(360,563,656)
Changes in actuarial assumptions	149,830,774	44,790,151
Net Decrease	(29,605,674)	(14,551,833)
Actuarial Present Value of Accumulated Plan Benefits, end of year	\$3,260,877,563	\$ 3,290,483,237

See accompanying notes to financial statements.

American Electric Power System Retirement Plan

Notes to Financial Statements

1. Plan Description

The following description of American Electric Power System Retirement Plan (the Plan) provides only general information. Participants should refer to the Plan's governing documents for a more complete description of the Plan's provisions.

General

The Plan is a noncontributory trusteed plan established by American Electric Power Service Corporation and affiliated companies (all of which are collectively referred to as the Company, AEPSC, or AEP). The Plan is administered under the direction of American Electric Power Service Corporation (the Plan Administrator), which has delegated supervision of the plan investment policy to the Benefits Finance Committee (BFC). The BFC is responsible for monitoring the investment policy for the Plan, and its Investment Subcommittee (IC) has been delegated responsibility for the engagement of investment managers to direct the Plan's investments. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA). Plan assets are held in a tax-exempt trust at the Bank of New York Mellon/BNY Mellon, N.A., the Plan's trustee (the Trustee or BNYM).

The Plan consists of an insured Group Annuity Plan (GAP), contributions to which were suspended on May 1, 1955, and a Trusteed Plan, which was added on May 1, 1955. Benefits under the Plan are determined solely by reference to terms of the Trusteed Plan, but participants who were covered by the suspended GAP also receive payments under the GAP. Any payments made under the GAP offset the payments required under the Trusteed Plan. Insurance contracts purchased for the GAP are excluded from plan assets and accumulated plan benefit obligations.

The Plan's trust includes a separate account maintained under the terms of the Plan and Internal Revenue Code (IRC) Section 401(h) to provide funding for certain retiree health benefits.

In April 2024, AEP management announced a voluntary severance program designed to achieve a reduction in the size of AEP's workforce. Approximately 7,400 of AEP's 16,800 employees were eligible to participate in the program. Approximately 1,000 employees chose to take the voluntary severance package and substantially all terminated employment in July 2024.

Pension Benefits

The Plan, as amended to date, covers substantially all employees of the Company not covered by any other private defined benefit pension plan to which the Company contributes. Employees who have completed one year of service are eligible to participate in the Plan. Plan benefits generally accrue under a cash balance formula.

Certain long-time participants also were grandfathered into certain benefit formulas. If still working, these participants currently accrue plan benefits only under a cash balance plan formula. Some had been covered by the former Central and South West System Cash Balance Retirement Plan and were credited benefits only through July 1, 1997 under certain grandfathered benefit formulas. Many other plan participants who were grandfathered into a prior benefit formula were credited benefits under that formula only through December 31, 2010 based on their then-final average base pay and years of service.

American Electric Power System Retirement Plan

Notes to Financial Statements

The cash balance formula includes an expanded definition of earnings and, for applicable grandfathered participants, an opening balance calculation (as of July 1, 1997 or January 1, 2001, as applicable) that provided credit for the then-value of the participant's then-accrued benefit. All eligible employees become fully vested once credited with at least three years of service. Payment of vested benefits is available as an annuity or lump sum or for rollover to an eligible retirement plan after the participant's employment with the Company ends.

Funding Policy

The Plan sponsor generally contributes the greater of the Accounting Standards Codification (ASC) 715 service cost or the minimum required contribution, but reserves the right to deviate from this practice, based on other considerations. The Plan also operates in compliance with the minimum funding requirements of ERISA. The Plan met the minimum funding requirement in 2024 and 2023. Subsequent to December 31, 2024, the Company contributed \$94,700,000 to the Plan. The contribution was recognized during the 2024 plan year, and is reflected as employer contributions receivable in the statements of net assets available for benefits.

Party-in-Interest and Related Party Transactions

Certain transactions involving the Plan and its assets involved parties in interest with respect to the Plan, but those transactions were not prohibited transactions under ERISA because of the applicability of one or more exemptions. BNYM acts as Trustee and custodian for the Plan's investments. Fees paid by the Plan to the Trustee for Trustee services amounted to \$805,804 and \$908,323 for the years ended December 31, 2024 and 2023, respectively. The Plan held certain investments managed by BNYM at December 31, 2024 and 2023. BNYM is the lending agent for the securities lending transactions detailed in Note 5. Certain BNYM investments are also held within the Plan's 401(h) account as detailed in Note 6.

In 2022, the Plan inadvertently paid a fee for \$992.69 from Plan assets that were attributable to the Company's non-qualified pension plan. This payment is considered a prohibited transaction under ERISA. The Company corrected the error with interest in 2025 and the transaction is considered remediated.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements are prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America (GAAP).

Investment Valuation and Income Recognition

Investments are recorded at fair value. Dividend income is recorded based on the ex-dividend date. Interest and other income are recorded on the accrual basis. Investment transactions are recorded on the trade date. Net appreciation includes the Plan's gains and losses on investments bought and sold, as well as held during the year.

American Electric Power System Retirement Plan

Notes to Financial Statements

Fair Value Measurement of Assets

The accounting guidance for *Fair Value Measurements and Disclosures* establishes a fair value hierarchy that prioritizes the inputs used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted market prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). AEPSC's staff independently monitors valuation policies and procedures and provides members of the BFC and its IC various monthly and quarterly reports, regarding compliance with policies and procedures. As of December 31, 2024, the BFC consisted of AEPSC's then Chief Financial Officer and executive Vice President - Portfolio Optimization, Treasurer, Executive Vice President & Chief Human Resources Officer, Senior Vice President - Strategy and Transformation, and Executive Vice President - General Counsel. The IC consisted of AEPSC's Director of Trust and Investments, Vice President - Finance and Treasury, Managing Director of Corporate Finance, and Director of Corporate Finance.

The Plan utilizes its Trustee's external pricing service to determine the fair value of the underlying investments held in the Plan. The Trustee uses multiple pricing vendors for the assets held in trust. The Plan's investment managers review and validate the prices utilized by the Trustee to determine fair value. The Plan Administrator performs its own valuation testing to verify the fair values of the securities, in part by reviewing audit reports of the Trustee's operating controls and valuation processes.

Assets in the Plan are classified using the following methods. Equities are classified as Level 1 holdings if they are actively traded on exchanges. Items classified as Level 1 are investments in equity securities. They are valued based on observable inputs, primarily unadjusted quoted prices in active markets for identical assets. Items classified as Level 2 are primarily investments in fixed-income securities. Fixed-income securities generally do not trade on exchanges and do not have an official closing price, but their valuation inputs are based on observable market data.

The Trustee's pricing vendors calculate fixed-income securities valuations using financial models and matrices. The models use observable inputs, including yields on benchmark securities; quotes by securities brokers; rating agency actions; discounts on premiums on securities compared to par prices; changes in yields for U.S. Treasury securities; corporate actions by bond issuers; prepayment schedules and histories; economic events; and, for certain securities, adjustments to yields to reflect changes in the rate of inflation. Short-term funds are held to provide liquidity and meet short-term cash needs. The underlying holdings in these funds consist of commercial paper, common collective trusts, certificates of deposit, treasury bills, and other short-term debt securities. Short-term debt securities are valued based on observable market data by the trust banks pricing vendor. Other securities with model-derived valuation inputs that are observable are also classified as Level 2 investments. Investments with unobservable valuation inputs are classified as Level 3 investments.

The following investments are valued at net asset value (NAV) as a practical expedient. The NAV per share (or its equivalent, such as member units or an ownership interest in partners' capital to which a proportionate share of net assets is attributed) is used as a practical expedient to estimate fair value. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV. These investments are primarily short-term investments, common collective trusts, commingled funds, and partnership/joint venture interests.

American Electric Power System Retirement Plan

Notes to Financial Statements

Short-Term Investments

The objective of short-term investments is to provide liquidity and meet short-term cash needs. Short-term investments are used to provide diversification and preserve principal. The underlying holdings include commercial paper, common collective trusts, certificates of deposit, treasury bills, and other types of investment-grade short-term debt securities. The short-term investments are valued each business day and provide daily liquidity.

BNYM EB Temporary Investment Fund

The BNYM EB Temporary Investment Fund's redemption frequency and redemption notice period are both daily. The Plan has no unfunded commitments.

JPMorgan Long Duration Fund

The objective of the JPMorgan Long Duration Fund is to track the performance of the Bloomberg Barclay's Long Government/Credit Index. The majority of the holdings in the fund are corporate or government bonds. The redemption frequency and redemption notice period are daily. The Plan has no unfunded commitments. The fund may suspend the valuation of assets or the right to make redemptions at management's discretion when redemptions would not be reasonably practicable and are not deemed to be in the best interest of the fund or its shareholders.

Vontobel India Fund

The Vontobel India Fund is an open-ended commingled fund that is a 103-12 investment entity that is held as a component of a separately managed global equity portfolio. The objective of the fund is to realize capital growth and generate income through investments in equities domiciled in the country of India as part of an overall portfolio that tracks the Morgan Stanley Capital International All-Country World Index (MSCI). The underlying holdings are equity securities (e.g., common stocks), and the fund will invest at least 75% of its assets in companies that have a registered office in India. The redemption frequency and the redemption notice period are daily. The Plan has no unfunded commitments. The fund may suspend the valuation of assets or the right to make redemptions at management's discretion when redemptions would not be reasonably practicable and are not deemed to be in the best interest of the fund or its shareholders.

Mellon Capital All-Country World Index Fund

The Mellon Capital All-Country World Index (ACWI) Fund is a common collective trust that is independently audited each year. The fund's objective is to track the performance of the MSCI All Country World Index. The fund is part of a global equity strategy and is used to provide investment returns and to diversify portfolio holdings. Redemption frequency is daily, and the redemption notice period is three days. The Plan has no unfunded commitments. The fund may suspend the valuation of assets or the right to make redemptions at management's discretion when redemptions would not reasonably be practicable and are not deemed to be in the best interest of the fund or its shareholders.

Alternative Investments

The objective of the alternative investments portfolio is to add return and provide diversification. Alternative investments are not actively traded, and typically require a long-time horizon to

American Electric Power System Retirement Plan

Notes to Financial Statements

evaluate investment performance. The Plan uses private equity investments to invest across the alternative credit spectrum. The underlying holdings are currently composed of high-yield bonds, bank loans, and emerging market debt. Alternative investment funds are used to enhance holdings diversity. Redemption frequencies for these funds range from daily to quarterly, with redemption notice periods ranging from one day to 90 days.

Included in the alternative investment designation is \$224,035,381 and \$242,076,055 of private equity investments at December 31, 2024 and 2023, respectively, whose portfolio objective is to add return and provide diversification. Private equity investments are not actively traded, and typically require a long-time horizon to evaluate investment performance. The Plan uses limited partnerships to invest across the private equity spectrum. The private equity holdings are with multiple general partners who help monitor the investments and provide investment selection and expertise. The private equity portfolio has \$145,352,956 and \$121,894,215 in unfunded commitments as of December 31, 2024 and 2023, respectively. The portfolio does not have a readily determinable fair value and is illiquid. Investments in these investments are not eligible for immediate redemption. The Plan generally expects to liquidate these investments within three to 15 years.

Real Estate

The objective of the real estate portfolio is to add return, provide diversification, and hedge against inflation. Real estate investments are not actively traded, and typically require a long-time horizon to evaluate investment performance. The Plan uses external real estate managers to invest in commingled funds and limited partnerships that hold real estate properties. At December 31, 2024 and 2023, the Plan holds investments of \$228,076,665 and \$239,498,527, respectively, in limited partnerships. Redemption frequencies for the commingled funds range from none to quarterly, with redemption notice periods ranging from 30 to 90 days. To mitigate investment risk in the real estate portfolio, commingled real estate funds are used to ensure that holdings are diversified by region, property type, and risk classification. The real estate portfolio has \$38,994,544 and \$35,205,791 in unfunded commitments as of December 31, 2024 and 2023, respectively. Limited partnerships have original terms averaging eight to 12 years, although those periods may be subsequently extended.

Infrastructure

The objective of the infrastructure portfolio is to add return, provide diversification, and hedge against inflation. Infrastructure investments are not actively traded, and typically require a long-time horizon to evaluate investment performance. The Plan uses limited partnerships to invest across the infrastructure spectrum. To mitigate investment risk in the infrastructure portfolio, infrastructure funds are used to ensure that holdings are diversified by region, property type, and risk classification. At December 31, 2024 and 2023, the Plan holds investments of \$113,013,201 and \$101,505,586, respectively, in infrastructure. Investments in these limited partnerships are not eligible for immediate redemption. The infrastructure portfolio has \$18,275,396 and \$13,752,496 in unfunded commitments as of December 31, 2024 and 2023, respectively, and have original terms averaging ten to 25 years.

Allocated Insurance Contracts

The Plan has allocated insurance contracts for retirees who were covered under the Plan in prior years. These contracts remain intact, and no additional contracts have been purchased. The activity

American Electric Power System Retirement Plan

Notes to Financial Statements

related to the allocated insurance contracts for retirees receiving benefits is excluded from the financial statements.

Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits are those future periodic payments, including lump-sum distributions that are attributable under the Plan's provisions to service rendered by employees as of the valuation date, but excluding those covered by allocated insurance contracts. Accumulated plan benefits include benefits expected to be paid to (1) retired or terminated employees or their beneficiaries, (2) beneficiaries of employees who have died, and (3) present employees or their beneficiaries. The actuarial present value of accumulated plan benefits is determined by an independent actuary and is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements, such as for death, disability, withdrawal, or retirement) between the valuation date and the expected date of payment. Assumptions include, but are not limited to, retirement ages and discount rate. The computations of the actuarial present value of accumulated plan benefits were made as of January 1, 2025 and 2024. Had the valuations been performed as of December 31, there would be no material differences.

Actuarial Assumptions

The significant actuarial assumptions used in the valuation of the Plan at December 31, 2024 and 2023 are summarized as follows:

Actuarial cost method	Unit credit
Discount rate	2024: 7.00% and 2023: 7.25%
Cash balance interest crediting rate	2024: 4.55% and 2023: 4.00%
Mortality basis	Pri-2012 Private Retirement Plans mortality tables with no collar or amount adjustments and a fully generational mortality improvement projection using Scale MP-2021
Average retirement age	63

The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

The most significant changes in actuarial assumptions between 2024 and 2023 was the decrease in the discount rate listed above.

Benefit Payments

Benefit payments are recorded when paid.

American Electric Power System Retirement Plan

Notes to Financial Statements

Administrative and Other Expenses

The Plan makes annual premium payments to the Pension Benefit Guaranty Corporation (the PBGC), which guarantees payment of certain retirement benefits in the event the Plan cannot meet its obligations.

The Plan pays investment advisory and management fees and other fees in connection with the maintenance and administration of the Plan and its trust. Personnel and facilities of the Company are provided at no cost to the Plan. Telus Health (Telus) performs services relative to the Plan, including, but are not limited to, administration of plan eligibility, participation, benefit calculations, participant communications, data maintenance and disbursement processing, and provision of personnel to respond to participant inquiries. Fees paid to Telus for these services have been presented as administrative expenses in the statements of changes in net assets available for benefits.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities, and the actuarial present value of accumulated plan benefits at the date of the financial statements. Actual results could differ from those estimates.

Risks and Uncertainties

Contributions to the Plan and the accumulated plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates, and employee demographics. Due to the changing nature of these assumptions, it is at least reasonably possible that changes in these assumptions will occur in the near term and, due to the uncertainties inherent in setting assumptions, that the effect of such changes could be material to the financial statements. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. 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 the financial statements.

Derivatives

The Plan may hold various instruments that meet the definition of a derivative under Financial Accounting Standards Board (FASB) ASC Topic 815, *Derivatives and Hedging*, including futures contracts. The Plan's primary objective in holding these derivatives is to hedge investment risk. Derivatives are not used to fundamentally increase the risk/return profile of the portfolio relative to the benchmark for the portfolio, nor to invest in asset classes that are not consistent with the benchmark or the approved strategy for the portfolio. Derivatives held by the Plan are recorded at their fair value, and changes in fair value are recorded as additions (deductions) to net assets attributable to net appreciation in fair value of investments in the accompanying statements of changes in net assets available for benefits. See Note 7 for further discussion.

Subsequent Events

The Plan has evaluated subsequent events through October 8, 2025, the date the financial statements were available to be issued.

American Electric Power System Retirement Plan

Notes to Financial Statements

3. Certified Investment Information

Certain information disclosed in the accompanying financial statements and ERISA-required supplemental schedules, related to investments held (including investments held in the 401(h) account) at December 31, 2024 and 2023, and investment income (including investment income in the 401(h) account) for the years ended December 31, 2024 and 2023, was obtained by management and agreed to or derived from information certified as complete and accurate by The Bank of New York Mellon/BNY Mellon, N.A., a qualified institution.

Investments related to security lending in the amount of \$59,902,053 and \$62,130,035 as of December 31, 2024 and 2023, respectively, and related investment income of \$92,846 and \$166,092 for the years ended December 31, 2024 and 2023 are not certified.

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American Electric Power System Retirement Plan

Notes to Financial Statements

4. Fair Value Measurements

For a discussion of fair value accounting and the classification of assets within the fair value hierarchy, see the Fair Value Measurement of Assets section of Note 2.

December 31, 2024

	Investments, at Fair Value	Level 1	Level 2
Short-term investments	\$ 41,386,037	\$ -	\$ 41,386,037
Equity - corporate stock	617,919,974	617,919,974	-
Equity - global stock	176,285,812	176,285,812	-
Fixed income:			
U.S. government obligations	864,156,737	(2,286,672)	866,443,409
Corporate obligations	857,020,891	-	857,020,891
State and local government obligations	25,831,980	-	25,831,980
Collateral held under securities lending:			
Short-term investments	14,104,969	-	14,104,969
Fixed-income securities - U.S. government obligations	9,356,214	-	9,356,214
Fixed-income securities - U.S. agency obligations	36,440,870	-	36,440,870
Net assets held in 401(h) account - fixed income:			
U.S. government obligations	50,262,178	-	50,262,178
Corporate obligations	42,678,792	-	42,678,792
State and local government obligations	1,498,509	-	1,498,509
Total Investments, in the fair value hierarchy	2,736,942,963	\$ 791,919,114	\$ 1,945,023,849
Investments, measured at NAV as a practical expedient:			
Short-term investments	178,000		
Common collective trusts and commingled fund:			
BNYM EB Temporary Investment Fund	27,020,405		
Vontobel India Fund	8,145,820		
Mellon Capital All-Country World Index Fund	464,898,239		
Partnership/joint venture interests:			
Alternative investments	224,035,381		
Real estate	228,076,665		
Infrastructure	113,013,201		
Net assets held in 401(h) account:			
Short-term investments	3,054,814		
Common collective trusts and commingled fund:			
JPM Long Duration Fund	107,248,488		
Mellon Capital All-Country World Index Fund	29,644,000		
Total Investments, at fair value	\$ 3,942,257,976		

American Electric Power System Retirement Plan

Notes to Financial Statements

December 31, 2023

	Investments, at Fair Value	Level 1	Level 2
Short-term investments	\$ 51,018,290	\$ -	\$ 51,018,290
Equity - corporate stock	801,912,868	801,860,840	52,028
Fixed income:			
U.S. government obligations	1,108,547,777	8,322,255	1,100,225,522
Corporate obligations	1,064,126,381	-	1,064,126,381
State and local government obligations	38,729,044	-	38,729,044
Collateral held under securities lending:			
Short-term investments	10,901,781	-	10,901,781
Fixed-income securities - U.S. government obligations	19,020,705	-	19,020,705
Fixed-income securities - U.S. agency obligations	32,389,842	-	32,389,842
Net assets held in 401(h) account - fixed income:			
U.S. government obligations	56,228,547	-	56,228,547
Corporate obligations	53,620,991	-	53,620,991
State and local government obligations	2,605,139	-	2,605,139
Total Investments, in the fair value hierarchy	3,239,101,365	\$ 810,183,095	\$ 2,428,918,270
Investments, measured at NAV as a practical expedient:			
Short-term investments	1,046,717		
Common collective trusts and commingled fund:			
BNYM EB Temporary Investment Fund	32,771,283		
Vontobel India Fund	14,263,308		
Mellon Capital All-Country World Index Fund	407,015,631		
Partnership/joint venture interests:			
Alternative investments	242,076,055		
Real estate	239,498,527		
Infrastructure	101,505,586		
Net assets held in 401(h) account:			
Short-term investments	2,836,592		
Common collective trusts and commingled fund:			
JPM Long Duration Fund	124,239,077		
Mellon Capital All-Country World Index Fund	27,296,660		
Total Investments, at fair value	\$ 4,431,650,801		

The Plan's policy is to recognize transfers between levels of the fair value hierarchy as of the actual date of the event of change in circumstances that caused the transfer.

5. Securities Lending

The Plan has an agreement with BNYM, which acts as Trustee and custodian for the Plan's investments and authorizes the bank to lend securities held in the Plan's accounts to third parties. The bank must obtain collateral from the borrower in the form of cash or securities. Both the

American Electric Power System Retirement Plan

Notes to Financial Statements

collateral and the securities loaned are marked-to-market on a daily basis, with additional collateral obtained or refunded as necessary. In the event that the loaned securities are not returned by the borrower, the bank will, at its own expense, either replace the loaned securities or, if unable to purchase those securities on the open market, credit the Plan's accounts with cash equal to the fair value of the loaned securities. All loans are collateralized by at least 102% of the loaned asset's market value and the collateral invested.

The Plan receives net revenue derived from all securities lending activities and pays the Trustee a fee for providing the service. Interest and dividend income reported in the statements of changes in net assets available for benefits includes \$92,846 and \$166,092 earned by the Plan during the years ended December 31, 2024 and 2023, respectively, in conjunction with the securities lending program.

Although the Plan's securities lending activities are collateralized as described above, and although the terms of the securities lending agreement with the custodial bank require the bank to comply with government rules and regulations related to the lending of securities held by ERISA plans, the securities lending program involves both market and credit risk. In this context, market risk refers to the possibility that the borrower of securities will be unable to collateralize the loan upon a sudden material change in the fair value of the loaned securities or the collateral, or that the bank's investment of collateral received from the borrowers of the Plan's securities may be subject to unfavorable market fluctuations. Credit risk refers to the possibility that counterparties involved in the securities lending program may fail to perform in accordance with the terms of their contracts.

At December 31, 2024 and 2023, the fair value of securities loaned was \$60,112,533 and \$62,312,328, respectively; the collateral held was \$61,474,523 and \$63,737,762, respectively. Collateral received consisted of U.S. government obligations, U.S. agency obligations, and cash totaling \$59,902,053 and \$62,130,035 as of December 31, 2024 and 2023, respectively. The cash collateral totaled \$16,890,496 and \$11,429,381 as of December 31, 2024 and 2023, respectively, and was invested in various pooled investments that hold short-term and fixed-income securities (including repurchase agreements). The non-cash collateral received totaled \$44,584,027 and \$52,308,381 as of December 31, 2024 and 2023, respectively. In accordance with accounting standards, the value of the collateral held and a corresponding liability to return the collateral have been reported on the accompanying statements of net assets available for benefits.

6. 401(h) Account

The Plan includes a medical benefit (health and welfare) component in addition to the normal retirement benefits to fund a portion of the postretirement obligations for certain retirees and their beneficiaries in accordance with Section 401(h) of the IRC. A separate account has been established and maintained in the Plan for the net assets related to the health and welfare component (401(h) account). In accordance with IRC Section 401(h), the Plan's investments in the 401(h) account may not be used for, or diverted to, any purpose other than providing health and welfare benefits for retired participants, their spouses, and dependents. The Trustee holds the assets of the 401(h) account.

Any assets transferred to the 401(h) account from the defined benefit pension plan in a qualified transfer of excess pension plan assets (and any respective income) that are not used during the plan year must be transferred out of the account to the pension plan. There were no qualified transfers to the 401(h) account for the years ended December 31, 2024 and 2023.

American Electric Power System Retirement Plan

Notes to Financial Statements

The related obligations for health and welfare benefits are not included in the Plan's statements of accumulated plan benefits but are reflected as plan obligations in the financial statements of the American Electric Power System Comprehensive Medical Plan (the Medical Plan), the health and welfare plan that covers plan participants of the 401(h) component. Plan participants do not contribute to the 401(h) account. Employer contributions or qualified transfers to the 401(h) account are determined annually and are at the discretion of the Company.

Effective July 1, 2018, the 401(h) account is designed to pay 90.5% of the retiree medical benefits for eligible plan participants (other than those who are defined as key employees or whose benefits have been collectively bargained) and their dependents under the Medical Plan. No account has been established under the Plan for the purpose of paying the remaining 9.5% of the health and welfare benefits to those participants and their dependents, although the Company maintains certain trusts in connections with the Medical Plan that may be used for that purpose.

The net assets available for postretirement health and welfare benefits in the 401(h) account and the changes in net assets are as follows:

<i>December 31,</i>	2024	2023
Investments, at fair value:		
Common collective trusts	\$ 136,892,488	\$ 151,535,737
Corporate and government bonds	92,940,970	109,849,538
Other investments	4,553,323	5,441,731
Total Investments, at fair value	234,386,781	266,827,006
Accrued income and other receivables	1,019,204	1,116,076
Fees payable by 401(h) and other	(110,236)	(583,852)
Net Assets Held in 401(h) Account	\$ 235,295,749	\$ 267,359,230
Changes in net assets in 401(h) account:		
Net (depreciation) appreciation in fair value of investments	\$ (7,969,137)	\$ 25,044,348
Interest and dividend income	4,524,567	4,203,971
Administrative expenses	(400,295)	(293,463)
Retiree medical reimbursement	(28,218,616)	(39,815,391)
Net Decrease in Net Assets Held in 401(h) Account	\$ (32,063,481)	\$ (10,860,535)

7. Derivatives

The Plan has futures contracts with a current notional amount of \$194,472,438 and \$150,994,790 at December 31, 2024 and 2023, respectively. The notional amount represents the contract amount, not the amount at risk. The futures are marked-to-market on a daily basis and are presented within U.S. government obligations on the statements of net assets available for benefits. The net realized and unrealized gain/loss is recorded in investment income (loss) on the statements of changes in net assets available for benefits.

The Plan also holds forward contracts in a loss position, which are also presented within U.S. government obligations in the statements of net assets available for benefits. Forward contracts are valued based on inputs derived from observable market data.

The primary risk managed by the Plan in using interest rate forward and futures contracts is the fluctuation of interest rates on the investments of the Plan. On behalf of the Plan, investment

American Electric Power System Retirement Plan

Notes to Financial Statements

managers entered into interest rate forward contracts, which are agreements to exchange interest rates at a specified future date at a specified rate, the terms of which are not standardized on an exchange. The interest rate contracts are intended to minimize the effect of interest rate fluctuations on the performance of investments. Risk arises from both the possible inability of the counterparties to meet the terms of the contracts (credit risk) and from the movements in foreign currency exchange rates (market risk). The contracts are recorded at fair value on the date the contract is entered into, which is typically zero.

The following tables list the fair value of derivative instruments held by the Plan, by contract type and on a gross basis:

December 31, 2024

	Asset Derivatives, Fair Value	Liability Derivatives, Fair Value
Contract type:		
Forward foreign currency exchange contracts	\$ 10,717,127	\$ 10,725,928
Future contracts/swaps	(2,286,672)	(456,867)
Total	\$ 8,430,455	\$ 10,269,061

December 31, 2023

	Asset Derivatives, Fair Value	Liability Derivatives, Fair Value
Contract type:		
Forward foreign currency exchange contracts	\$ 20,291,057	\$ 20,799,600
Future contracts/swaps	11,578,889	103,221
Total	\$ 31,869,946	\$ 20,902,821

Unrealized gains and losses on derivative instruments held by the Plan were \$(1,828,142) and \$7,873,246 for the years ended December 31, 2024 and 2023, respectively. Unrealized gains and losses are recorded in net appreciation in fair value of investments on the statements of changes in net assets available for benefits.

The Plan is subject to master netting agreements with certain counterparties. These agreements set the terms for Over-the-Counter (OTC) derivative transactions between two counterparties, including setting protections should one of the counterparties default. One of the terms in the agreement is that any payments from OTC derivatives transactions between two counterparties are net together, which allows for one payment to be made by whichever counterparty in the agreement owes the most, rather than multiple payments being made between parties for each transaction. Collateral was pledged to counterparties against derivative assets and liabilities in the amount of \$9,918,691 and \$10,880,090 as of December 31, 2024 and 2023, respectively.

American Electric Power System Retirement Plan

Notes to Financial Statements

8. Federal Income Tax

The Plan obtained its latest favorable determination letter dated August 2, 2021 in which the Internal Revenue Service (IRS) stated that the Plan, as then designed, was in compliance with the applicable requirements of the IRC and related guidance under consideration for which the application was submitted (the 2017 Required Amendments List). Although the Plan has been amended since receiving the determination letter, the Company believes that the Plan is currently designed and operated in compliance with the applicable requirements of the IRC and that the Plan's trust continues to be tax-exempt. Therefore, no provision for income taxes has been included in the Plan's financial statements.

GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions. However, there are currently no audits for any tax periods in progress.

The Plan may incur Unrelated Business Income Tax depending on a number of factors, including whether the trust (a) realizes non-exempt debt-financed income, or (b) realizes or is allocated unrelated business income through its investments. The Plan incurred Unrelated Business Income Tax liabilities for the years ended December 31, 2024 and 2023. The estimated Unrelated Business Income Tax for the years ended December 31, 2024 and 2023 was considered immaterial to the financial statements.

9. Plan Termination

The Company expects and intends to continue the Plan indefinitely but reserves the right to amend or terminate it. If the Plan is terminated, the net assets of the Plan will be distributed to participants in an order of priority determined in accordance with ERISA and its applicable regulations and in the applicable provisions of the Plan document. Certain benefits under the Plan are insured by the PBGC if the Plan terminates. Generally, the PBGC guarantees most vested normal age retirement benefits, early retirement benefits, and certain disability and survivor's pensions. However, the PBGC does not guarantee all types of benefits under the Plan and the amount of benefit protection is subject to certain limitations. Vested benefits under the Plan are guaranteed at the level in effect on the date of the Plan's termination, subject to a statutory ceiling on the amount of an individual's monthly benefit.

Whether all participants receive benefits should the Plan be terminated at some future time will depend on the adequacy of the Plan's net assets to provide those benefits, the priority of those benefits to be paid, and the level and type of benefits guaranteed by the PBGC at that time. Some benefits may be fully or partially provided by the existing assets and the PBGC guaranty, while other benefits may not be provided for at all.

American Electric Power System Retirement Plan

Notes to Financial Statements

10. Reconciliation of the Financial Statements to Form 5500

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

<i>December 31,</i>	2024	2023
Net Assets Available for Benefits , per financial statements	\$ 3,762,679,225	\$ 4,107,378,271
Net assets held in 401(h) account included as assets in Form 5500	235,295,749	267,359,230
Net Assets Available for Benefits , per Form 5500	\$ 3,997,974,974	\$ 4,374,737,501

The following is a reconciliation of the statements of changes in net assets available for benefits to Form 5500:

<i>Year ended December 31,</i>	2024	2023
Net (Decrease) Increase in Net Assets Available for Benefits , per financial statements	\$ (344,699,046)	\$ 214,940
Net investment (loss) income from 401(h) account	(3,444,570)	29,248,319
Administrative expenses related to 401(h) account	(400,295)	(293,463)
Transfer from 401(h) account to Medical Plan	(28,218,616)	(39,815,391)
Net Loss , per Form 5500	\$ (376,762,527)	\$ (10,645,595)

ERISA-Required Supplemental Schedules

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
	Short-Term Investments			
		AUSTRALIA & NZ BK DISC	\$ 1,327,382	\$ 1,327,382
		BOFA SECURITIES DISC	1,232,700	1,232,700
		BOFA SECURITIES DISC	954,781	954,781
		AGRICOLE CORP DISC	1,248,614	1,248,614
		DBS BANK LTD DISC	1,481,950	1,481,950
		DANSKE BANK A/S DISC	1,431,764	1,431,764
		DANSKE BANK A/S DISC	1,418,926	1,418,926
		FAIRWAY FIN CORP DISC	878,450	878,450
		GOTHAM FDG CORP DISC	1,384,214	1,384,214
		GOTHAM FDG CORP DISC	1,382,469	1,382,469
		LMA SA & LMA AMER DISC	1,270,031	1,270,031
		MANHATTAN AST FDG DISC	1,285,634	1,285,634
		NATIONAL BK CANADA DISC	781,160	781,160
		NATIXIS NY BRH DISC	1,251,333	1,251,333
		NATIXIS NY BRH DISC	1,259,538	1,259,538
		SHEFFIELD REC CP DISC	1,279,850	1,279,850
		SHEFFIELD REC CP DISC	1,428,192	1,428,192
		SKANDINAVISKA ENS DISC	947,409	947,409
		SKANDINAVISKA ENS DISC	1,466,633	1,466,633
		SOCIETE GENERALE DISC	757,776	757,776
		SOCIETE GENERALE DISC	1,432,800	1,432,800
		STARBIRD FDG CORP DISC	1,574,318	1,574,318
		STARBIRD FDG CORP DISC	976,847	976,847
		SUMITOMO TR & BKG DISC	1,575,787	1,575,787
		SUMITOMO MITSUI DISC	1,382,892	1,382,892
		SVENSKA HDLSBK AB DISC	1,295,543	1,295,543
		SVENSKA HDLSBK DISC	1,450,813	1,450,813
		SWEDBANK AB PUBL DISC	1,472,237	1,472,237
		SWEDBANK AB PUBL DISC	1,438,727	1,438,727
		THUNDER BAY FDG DISC	1,319,727	1,319,727
		WESTPAC BANKING DISC	1,326,983	1,326,983
		MANHATTAN ASSET FDG IB NT	850,000	850,000
		BRL (BRAZILIAN REAL)	3,315	3,241
		CAD (CANADIAN DOLLARS)	2,862	2,852
		EUR (EURO)	124,639	118,610
		GBP (GREAT BRITISH POUNDS)	12,141	12,110
		HKD (HONG KONG DOLLARS)	15,466	15,456
		JPY (JAPANESE YEN)	5,929	5,941
		MXN (MEXICAN PESO)	20,383	19,788
		ZAR (SOUTH AFRICAN RAND)	1	1
*		PENDING TRADES IN THE AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08 FUND	820,558	820,558
Total Short-Term Investments			41,570,774	41,564,037
State and Local Government Obligations				
		ALAMEDA CNTY CA JT PWRS AUTH L7.046% 12/01/2044 DD 11/04/10	1,232,416	976,523

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
State and Local Government Obligations (Continued)				
	BAY AREA CA TOLL AUTH TOLL BRI	7.043% 04/01/2050 DD 07/01/10	\$ 1,570,493	\$ 1,237,928
	CALIFORNIA ST	4.500% 04/01/2033 DD 04/25/18	723,980	722,513
	CALIFORNIA ST	5.200% 03/01/2043 DD 03/15/23	584,787	586,039
	CALIFORNIA ST	7.300% 10/01/2039 DD 10/15/09	711,615	523,761
	CALIFORNIA ST	7.350% 11/01/2039 DD 11/10/09	3,493,535	2,824,445
	CALIFORNIA ST	7.550% 04/01/2039 DD 04/28/09	1,024,699	803,780
	CALIFORNIA ST	7.600% 11/01/2040 DD 12/01/10	2,244,847	1,780,306
	CHICAGO IL TRANSIT AUTH SALES	6.899% 12/01/2040 DD 08/06/08	1,201,667	971,845
	DALLAS TX AREA RAPID TRANSIT S	2.613% 12/01/2048 DD 12/01/21	656,384	437,969
	DALLAS-FORT WORTH TX INTERNATI	4.087% 11/01/2051 DD 04/21/22	290,000	240,184
	FLORIDA ST BRD OF ADMIN FIN CO	5.526% 07/01/2034 DD 05/01/24	61,636	60,601
	GOLDEN ST TOBACCO SECURITIZATI	3.000% 06/01/2046 DD 10/07/21	266,250	250,811
	KANSAS ST DEV FIN AUTH REVENUE	4.927% 04/15/2045 DD 08/20/15	319,905	226,512
	MASSACHUSETTS ST SPL OBLG REVE	4.110% 07/15/2031 DD 08/30/22	25,685	25,147
	MET TRANSPRTN AUTH NY DEDICATE	7.336% 11/15/2039 DD 04/30/09	702,147	514,268
	MUNI ELEC AUTH OF GEORGIA	6.637% 04/01/2057 DD 03/11/10	1,111,116	872,790
	N TX TOLLWAY AUTH REVENUE	6.718% 01/01/2049 DD 08/12/09	1,886,501	1,401,425
	NEW YORK CITY NY MUNI WTR FIN	5.440% 06/15/2043 DD 09/23/10	2,537,896	1,702,746
	NEW YORK CITY NY MUNI WTR FIN	5.882% 06/15/2044 DD 11/18/10	985,654	599,809
	NEW YORK CITY NY TRANSITIONAL	5.572% 11/01/2038 DD 11/03/10	1,123,460	993,210
	NEW YORK NY	5.114% 10/01/2054 DD 10/16/24	185,000	175,049
	OGLETHORPE GA PWR CORP	5.534% 01/01/2035 DD 10/12/06	114,833	110,919
	PORT AUTH OF NEW YORK & NEW JE	3.287% 08/01/2069 DD 08/16/19	843,365	524,651
	PORT AUTH OF NEW YORK & NEW JE	4.229% 10/15/2057 DD 05/09/17	801,891	644,960
	PORT AUTH OF NEW YORK & NEW JE	4.458% 10/01/2062 DD 10/10/12	705,289	453,595

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
State and Local Government Obligations (Continued)				
	PORT AUTH OF NEW YORK & NEW JERSEY 4.926% 10/01/2051 DD 10/06/11	\$ 813,919	\$ 714,021	
	PORT AUTH OF NEW YORK & NEW JERSEY 5.072% 07/15/2053 DD 06/14/23	255,000	241,194	
	SALES TAX SECURITIZATION CORP 3.587% 01/01/2043 DD 12/14/17	1,172,095	927,640	
	TEXAS NATURAL GAS SECURITIZATION 5.102% 04/01/2035 DD 09/01/23	153,746	153,261	
	TEXAS NATURAL GAS SECURITIZATION 5.169% 04/01/2041 DD 09/01/23	56,586	54,163	
	TEXAS ST 5.517% 04/01/2039 DD 08/26/09	270,455	264,921	
	TEXAS TRANSPORTATION COMMISSION ST 5.178% 04/01/2030 DD 08/05/10	186,756	186,743	
	UNIV OF CALIFORNIA CA RGTS MED 6.548% 05/15/2048 DD 11/18/10	402,404	300,711	
	UNIV OF CALIFORNIA CA RGTS MED 6.583% 05/15/2049 DD 12/17/09	2,186,498	1,739,425	
	UNIV OF CALIFORNIA REVENUE 5.858% 05/15/2112 DD 03/01/12	1,426,947	860,188	
	UNIV OF MICHIGAN MI 2.437% 04/01/2040 DD 06/16/20	450,000	321,030	
	UNIV OF VIRGINIA VA UNIV REVENUE 2.256% 09/01/2050 DD 07/21/20	705,000	406,897	
Total State and Local Government Obligations		33,484,457	25,831,980	
Common/Collective Trusts				
*	BNYM-M DB SL ACWI FUND	272,899,578	464,898,239	
	EB TEMP INV FD VAR RT 12/31/49 FEE CL 00	27,020,405	27,020,405	
Total Common/Collective Trusts		299,919,983	491,918,644	
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity)				
	APL APOLLO TUBES LTD	269,300	326,196	
	AVENUE SUPERMARTS LTD	164,268	198,974	
	CIPLA LTD	870,524	1,054,443	
	EICHER MOTORS LTD	595,426	721,225	
	HINDUSTAN UNILEVER LTD	443,376	537,051	
	ICICI BANK LTD	817,034	989,653	
	IRB INFRASTRUCTURE DEVELOPER	205,610	249,050	
	MAX HEALTHCARE INSTITUTE LTD	564,123	683,307	
	NCC LTD	348,214	421,783	
	POLYCAB INDIA LTD	272,928	330,591	
	POWER GRID CORP OF INDIA LTD	440,433	533,486	
	RELIANCE INDUSTRIES LTD	360,121	436,206	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity) (Continued)				
	SET cash at broker HKS	\$ 260,724	\$ 260,724	
	TATA CONSULTANCY SVCS LTD	556,052	673,532	
	TITAGARH RAIL SYSTEM LTD	226,021	273,773	
	TITAN CO LTD	376,321	455,826	
Total Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity)		6,770,475	8,145,820	
Partnership/Joint Venture Interests				
	ABERDEEN SAFL EUR RE CLUB IIOFFSHR FDR LTD	5,061,019	1	
	ALMANAC REALTY SEC VIII LP	7,759,312	8,174,794	
	ALMANAC REALTY SECURITIES VII	4,200,374	3,775,391	
	ALTERNA CORE CAPITAL ASSETS IILP	6,862,862	4,616,098	
	ALTERRA IOS VENTURE II LP	4,390,267	5,233,374	
	AMERICAN SECURITIES PARTNERSVI	383,570	11,720,291	
	AMERICAN SECURITIES PTNR VIII	6,560,835	9,196,585	
	AMERICAN SECURITIES PTNRS VII	5,385,022	5,963,551	
	APOLLO EUROPEAN PRINCIPAL FUNDII	959,080	300,932	
	APOLLO INVESTMENT FUND IX LP	2,272,558	4,783,249	
	APOLLO INVESTMENT FUND VIII LP	2,789,736	5,166,204	
	ASANA PARTNERS FUND I LP	3,130,679	6,449,372	
	ASANA PARTNERS FUND III LP	5,433,333	5,050,817	
	AXIUM INFRA NA IV LP	11,295,234	11,874,900	
	BASALT INFRA PARTNERS LP	3,126,129	1,607,427	
	BLACKSTONE CAP PARTNERS VIII	3,853,644	4,569,936	
	BLACKSTONE CAPITAL PARTNERSVII LP	4,795,749	6,186,493	
	BLACKSTONE ENERGY PARTNERS IILP	6,679,977	7,036,810	
	BLACKSTONE ENERGY PARTNERSL.P.	5,836,754	2,758,212	
	BOWMARK CAPITAL PARTNERS V	971,478	713,954	
	BRAZIL REAL ESTATEOPPORTUNITIES FUND II - BAHIA	4,027,728	801,477	
	BRIDGE LOGISTICS US VENTURE II	1,841,244	1,867,817	
	BROOKFIELD INFRA FUND III LP	10,557,018	16,368,779	
	BROOKFIELD PREMIER RE PRTNS	5,637,215	10,205,879	
	BROOKFIELD STRAT RE PTNS B LP	30,978	641,000	
	BROOKFIELD SUPER-CORE INFRA	10,000,000	12,155,437	
	BUCKINGHAM BTR FUND I LP	786,806	735,404	
	BUCKINGHAM MULTIFAMILY FUND II	5,197,048	4,480,892	
	CA STUDENT LIVING INC GRWTH	5,542,914	7,473,430	
	CARROLL MULTIFAMILY VENT VII	1,378,124	766,434	
	CVC CAPITAL PARTNERS IX A LP	761,555	750,716	
	CVC CAPITAL PARTNERS VII LP	4,177,406	6,273,381	
	CVC CAPITAL PRTNRS VI (C) LP	9,537,628	12,895,504	
	CVC CAPITAL PTNS VIII A LP	4,622,699	5,006,160	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Partnership/Joint Venture Interests (Continued)				
	DREAM INDUSTRIAL FUND	\$	9,408,589	\$ 14,096,479
	ENCAP ENERGY TRAN COINV I-C LP		1,000,776	935,153
	ENCAP ENERGY TRANS FD I-C LP		1,502,059	2,222,689
	ENCAP ENERGY TRANSITION FDII-C LP		3,905,553	3,580,404
	EXETER EUR VAL VENT III FEDSCSP		194,919	166,207
	EXETER INDUSTRIAL VALUE FUNDII LP		327,144	1
	FORTRESS JPN OPP FD IV DOL BLP		592,971	2,703,447
	FSN CAPITAL VI LP		3,847,375	3,854,733
	GID MAINSTAY FUND		9,990,418	10,159,110
	GLOBAL ENERGY & POWER INFRA II		9,044,284	4,440,302
	GREENFIELD ACQUI RTNRS VII LP		-	279,310
	GREENFIELD MULTI-STATEPARTNERS LP		494,349	1,428
	GRIDIRON CAP PARALLEL V LP		2,954,719	3,157,321
	GRIDIRON CAPITAL FUND II LP		7,699,604	1,548,824
	GRIDIRON CAPITAL FUND III LP		-	15,004,352
	GS PEP 2005-MANAGERS FUND		15,726,411	2,040,099
	H.I.G. CAPITAL PARTNERS V LP		7,313,980	4,544,101
	HEITMAN ASIA-PACIFIC PRO INVSTFEED		3,183,040	2,636,685
	HIG CAPITAL PARTNERS VI		4,439,486	4,371,720
	HIG EUROPE CAPITAL PARTNERS IILP		6,844,927	4,446,956
	HIGH ROAD CAPITAL PARTNERS FDII - WFC		9,048,376	7,793,247
	HVEST PART VI DIRECT FUND		5,251,375	224,753
	ICON INFRA PARTNERS FUND V LP		8,657,884	10,660,655
	IFM GLOBAL INFRA OFFSHORE LP		-	16,266,589
	INSIGHT PARTNERS CAYMAN XII LP		4,345,000	4,233,138
	INSIGHT PARTNERS FUND XFOLLOW-ON FUND L.P.		2,239,520	1,949,367
	INSIGHT PARTNERS XIII LP		125,000	109,904
	IRON POINT REAL ESTATE II-TE		2,030,275	893,490
	JADIAN IOS FUND 1-A		1,055,417	1,055,417
	JADIAN RE FUND II-A LP		700,039	700,039
	JADIAN REAL ESTATE FUND I LP		5,067,472	10,942,797
	JADIAN REAL ESTATE IMMUNO TEK		823,903	455,252
	JAMESTOWN PREMIER PROPERTYFUND LP		3,462,915	9,296,983
	JPMCB SPECIAL SITUATIONPROPERTY FUND		1,873,498	1
	JPMCB STRATEGIC PROPERTY FUND		12,525,012	20,406,058
	KAYNE ANDERSON CORE RE		6,037,423	5,961,768
	KEDAARA CAP GROWTH FD IV LP		402,453	384,477
	KKR DIV CORE INFRA FD (A) SCSP		10,000,000	11,807,785
	KPS SPEC SITUATIONS FD VI LP		610,533	609,997
	KPS SPECIAL SITUATIONS FUND IVLP		6,331,955	6,726,874
	LION INDUSTRIAL TRUSTPROPERTIES		2,283,471	36,140,912
	MERIDIAM INFRA NORTH AMERICA FD III (DOMESTIC)		11,857,090	16,476,983
	OAKTREE REAL ESTATE OPP VIII LP		4,999,866	5,548,517
	OHA EUROPEAN STRATEGIC CREDIT FUND (OFFSHORE) LP		2,039,396	-
	OHA STRATEGIC CREDIT FUND II		558,085	2,653,119
	PATRIA - BRAZILIAN PRIVATEEQUITY FUND IV LP		9,255,110	8,256,330
	PATRIA-BRAZILIAN PE FUND V LP		5,887,815	9,091,491

American Electric Power System Retirement Plan

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Partnership/Joint Venture Interests (Continued)				
	PEG POOLED VENT CAP INSTINVEST III LLC	\$ 15,839,003	\$ 6,187,856	
	PEG US POOLED CORP FIN INSTINVEST III LLC	10,401,793	1,152,237	
	PLATINUM CAP EQ PTNRS V LP	4,692,236	6,587,699	
	PLATINUM EQ CAP PARTNERS IIIII	686,216	1,390,391	
	PLATINUM EQUITY CAP PTNRS IV LPV LP	4,326,672	5,740,759	
	PLATINUM EQUITY CP VI LP	2,520,329	2,663,481	
	PRISA	17,879,487	23,097,596	
	PROVIDENCE DEBT FUND III LP	3,796,920	1,987,220	
	RESOLUTE FUND VI LP	1,456,278	1,500,573	
	RIDGEMONT EQUITY PARTNERS FUNDI LP	-	120,139	
	SECONDARY INVESTMENT SPV-3 LP	-	432,762	
	SECONDARY INVESTMENTS SPV-4 LP	81,310	77,898	
	SIXTH ST OPP PTNS III (A) LP	1,328,054	1,440,355	
	STRIPES VI (A) LP	3,113,257	3,037,284	
	SUMMIT PTNS GROWTH EQ XI-B LP	2,664,685	2,933,913	
	TPG GROWTH II LP	1,124,199	2,997,141	
	TPG GROWTH III LP	3,401,162	3,482,324	
	TPG OPPORTUNITIES FUND II	3,493,260	62,101	
	TTG BTR AGGREGATOR LLC	61,843	61,843	
	TZP CAPITAL PARTNERS II LP	9,246,082	12,308,979	
	UNICO CORE PLUS PARTNERS LP	4,772,119	986,936	
	UNICO PARTNERS I LP	321,294	1	
	USAA EAGLE REAL ESTATE FEEDER LP	3,922,901	18,446,695	
	VERDANE CAPITAL XI (D2) AB	2,125,379	2,028,557	
	WARBURG PINCUS PRIVATE EQUITYX LP	-	964,169	
	WATERLAND PE FUND VI C.V.	1,737,359	2,288,110	
	WATERLAND PRIVATE EQUITYFUND V	695,593	328,653	
	WCP NEWCOLD III LP	2,987,500	2,960,347	
	WOLFF CREDIT PARTNERS III LP	5,160,165	5,423,263	
Total Partnership/Joint Venture Interests		469,620,558	565,125,247	
Corporate Stock				
	ABBOTT LABORATORIES	6,510,928	7,013,725	
	ABBVIE INC	1,871,318	2,624,096	
	ADOBE INC	2,824,828	2,882,416	
	ADYEN NV	4,783,502	6,691,597	
	AIA GROUP LTDHK/01299	4,903,467	4,491,229	
	AIR LIQUIDE SA	3,763,425	3,999,870	
	AIRBNB INC	1,274,736	1,493,475	
	ALCON AG	4,127,867	4,423,076	
	ALLISON TRANSMISSION HOLDINGS	1,689,181	3,468,726	
	ALPHABET INC	10,629,979	19,069,679	
	AMAZON.COM INC	12,354,358	25,367,408	
	ARROW ELECTRONICS INC	1,716,660	2,454,704	
	ASML HOLDING NV	5,070,870	7,269,716	
	ATLASSIAN CORP	2,722,423	4,724,736	
	AXON ENTERPRISE INC	3,440,826	9,049,711	
	BANK RAKYAT INDONESIA PERSERO	2,341,322	1,831,508	
	BARRY CALLEBAUT AG	2,718,979	2,124,354	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
	Corporate Stock (Continued)			
	BECTON DICKINSON & CO		\$ 3,047,157	\$ 2,782,334
	BLOCK INC		5,966,547	5,102,460
	BOOKING HOLDINGS INC		1,155,352	2,573,642
	BOSTON SCIENTIFIC CORP		2,478,746	4,793,804
	CANADIAN TIRE CORP LTDCL A		2,950,681	2,590,465
	CAPITAL ONE FINANCIAL CORP		1,991,823	3,650,032
	CARLYLE GROUP INC/THE		2,436,085	3,206,115
	CHAILEASE HOLDING CO LTD		2,831,425	2,012,902
	CHUBB LTD		1,694,694	2,897,006
	CIE GENERALE DES ETABLISSEMENT		2,341,453	2,485,473
	CLOUDFLARE INC		2,969,587	4,092,055
	CME GROUP INC		4,726,199	5,932,315
	COCA-COLA CO/THE		10,245,501	10,791,028
	CONSTELLATION SOFTWARE INC		4,595,386	7,228,928
	CROCS INC		1,332,902	2,215,792
	CULLEN/FROST BANKERS INC		2,602,562	3,530,775
	CVS HEALTH CORP		2,735,190	1,589,106
	DAICEL CORP		1,527,880	1,692,346
	DAIMLER TRUCK HOLDING AG		2,872,917	2,976,338
	DEUTSCHE TELEKOM AG		1,804,975	2,877,850
	DEXCOM INC		5,782,560	4,703,685
	DIME COMMUNITY BANCSHARES INC		723,082	728,542
	DNB BANK ASA		2,595,100	2,533,282
	DODGE & COX GLOBAL STOCK-I		176,285,812	176,285,812
	DOLLARAMA INC		2,868,180	3,069,052
	DOORDASH INC		3,969,745	6,626,461
	DUNI AB		649,381	503,033
	EASTERN BANKSHARES INC		620,463	675,372
	ELEVANCE HEALTH INC		2,391,930	2,272,424
	ENI SPA		3,034,908	2,450,689
	ENTEGRIS INC		3,991,147	3,897,516
	ESSILORLUXOTTICA SA		2,891,835	4,020,523
	EXPERIAN PLC		7,494,759	6,883,770
	F&F CO LTD / NEW		814,064	560,650
	FLATEXDEGIRO AG		1,205,676	1,418,265
	FLUTTER ENTERTAINMENT PLC		8,568,405	12,038,896
	FRESENIUS KABI PHARMACEUTICALSRTS EXP			
	12/31/2010		750	750
	GAMING AND LEISURE PROPERTIES		2,917,503	2,908,864
	GENERAL DYNAMICS CORP		2,413,284	2,882,317
	GILEAD SCIENCES INC		2,555,690	3,334,557
	GREENCORE GROUP PLC		722,532	1,794,019
	HANNOVER RUECK SE		1,752,836	2,542,192
	HDFC BANK LTDADR		4,120,719	4,318,405
	HOYA CORP		2,931,444	3,367,894
	IMCD NV		3,574,533	3,313,206
	INCHCAPE PLC		1,717,946	1,860,879
	INGREDION INC		2,112,724	3,218,904
	INTERNATIONAL BANCSHARES CORP		2,427,191	3,189,706
	INTERPUBLIC GROUP OF COS INC/T		2,846,818	2,387,304
	IPSOS SA		933,935	1,115,765
	IRHYTHM TECHNOLOGIES INC		4,083,169	3,261,900

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Stock (Continued)				
	ITOCHU CORP	\$ 2,215,185	\$ 2,800,702	
	JAZZ PHARMACEUTICALS PLC	3,590,768	2,894,025	
	JPMORGAN CHASE & CO	1,830,233	3,553,940	
	KDDI CORP	2,473,927	2,778,297	
	KEYENCE CORP	6,121,198	6,374,173	
	KIA CORP	1,572,807	2,411,288	
	KONINKLIJKE AHOLD DELHAIZE NV	2,494,431	2,905,363	
	LATAM AIRLINES GROUP SA	970,410	1,015,749	
	LG ELECTRONICS INC	3,271,366	2,274,464	
	LINDE PLC	1,559,643	2,698,483	
	LKQ CORP	2,922,645	2,322,600	
	LOJAS RENNER SA	2	1	
	LONDON STOCK EXCHANGE GROUP PL	5,752,564	7,900,675	
	LOOMIS AB	1,677,401	1,566,239	
	L'OREAL SA	3,586,252	3,461,272	
	LUNDIN MINING CORP	2,308,346	2,600,951	
	LVMH MOET HENNESSY LOUIS VUITT	2,745,117	2,807,285	
	M&T BANK CORP	2,016,542	2,857,752	
	MACNICA HOLDINGS INC	445,764	398,081	
	MAGNA INTL INC	3,094,992	2,484,242	
	MARATHON PETROLEUM CORP	1,661,924	2,637,806	
	MARUBENI CORP	1,787,616	2,510,329	
	MASTERCARD INC	4,756,629	8,416,168	
	MERCADOLIBRE INC	5,088,916	7,599,266	
	METHANEX CORP	2,901,350	3,473,082	
	MICROSOFT CORP	8,639,203	16,403,516	
	MKS INSTRUMENTS INC	2,227,535	2,672,384	
	MONDELEZ INTERNATIONAL INC	3,018,750	2,565,583	
	MONDI PLC	2,804,219	1,862,882	
	MUENCHENER RUECKVERSICHERUNGS-	1,847,473	3,001,637	
	NETFLIX INC	3,636,894	9,334,794	
	NEXT PLC	1,578,867	2,541,192	
	NEXTERA ENERGY INC	2,155,912	2,535,245	
	NIKE INC	6,623,380	5,655,500	
	NOMAD FOODS LTD	1,098,597	907,798	
	NORTHERN TRUST CORP	2,718,904	3,228,750	
	NOV INC	2,601,290	1,806,122	
	NOVARTIS AG	2,281,774	2,717,132	
	NOVO NORDISK A/S	3,217,005	2,711,373	
	NVIDIA CORP	5,843,336	14,270,864	
	OPEN TEXT CORPORATION	2,608,107	2,093,116	
	ORIX CORP	2,853,638	2,654,233	
	PANDORA A/S	3,528,442	4,152,200	
	PEPSICO INC	3,664,032	3,199,799	
	POPULAR INC	1,864,817	3,123,262	
	PREMIER FINANCIAL CORP	792,711	682,719	
	PUBLICIS GROUPE SA	2,054,180	3,193,509	
	RAIA DROGASIL SA	3,481,995	2,546,168	
	RB GLOBAL INC	4,822,787	6,079,883	
	RELX PLC	6,253,495	8,771,227	
	REPLIGEN CORP	2,743,316	2,228,335	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Stock (Continued)				
	SALLY BEAUTY HOLDINGS INC	\$ 2,894,786	\$ 2,255,110	
	SAMSUNG ELECTRONICS CO LTD	3,210,329	2,631,579	
	SANDOZ GROUP AG	114,197	221,154	
	SANOFI SA	2,840,892	2,465,521	
	SAP SE	4,842,838	6,299,265	
	SCHNEIDER ELECTRIC SE	4,808,854	5,075,349	
	SCIENCE APPLICATIONS INTERNATI	1,609,213	1,989,684	
	SERVICENOW INC	7,372,676	8,182,006	
	SHINHAN FINANCIAL GROUP CO LTD	2,657,915	2,483,602	
	SHOPIFY INC	2,680,048	6,908,047	
	SIKA AG	5,004,311	4,316,238	
	SK HYNIX INC	1,859,030	2,861,735	
	SKF AB	2,296,859	2,622,852	
	SLM CORP	2,324,647	3,494,386	
	SMURFIT WESTROCK PLC	2,644,582	3,833,210	
	SNOWFLAKE INC	3,448,580	3,218,213	
	SONY GROUP CORP	2,275,114	3,181,214	
	SPAREBANK 1 SOR-NORGE ASA	1,727,722	2,103,181	
	SPAREBANKEN VEST	681,756	1,114,800	
	SPOTIFY TECHNOLOGY SA	3,819,948	4,392,377	
	SYNOPSIS INC	3,118,077	3,848,905	
	TAIWAN SEMICONDUCTOR MANUFACTUADR	4,457,477	9,493,937	
	TAKEDA PHARMACEUTICAL CO LTD	2,815,983	2,612,460	
	TECNOGLASS INC	635,969	943,908	
	TELEPERFORMANCE SE	3,354,126	1,798,879	
	TENCENT HOLDINGS LTD HK/00700	2,895,286	2,950,584	
	TETRA TECH INC	2,078,203	1,963,395	
	THERMO FISHER SCIENTIFIC INC	4,010,590	4,025,540	
	TITAN CEMENT INTERNATIONAL SA	590,097	595,329	
	TOTALENERGIES SE	2,520,384	2,271,377	
	TREVI - FINANZIARIA INDUSTRIAL	387,344	117,739	
	TYSON FOODS INC	2,781,405	2,609,557	
	UNION PACIFIC CORP	3,757,943	3,473,505	
	UNITED OVERSEAS BANK LTD	2,420,114	3,146,718	
	UNITED THERAPEUTICS CORP	1,836,578	2,999,140	
	UNITEDHEALTH GROUP INC	2,033,283	2,551,558	
	VINCI SA	2,235,710	2,319,789	
	VIPSHOP HOLDINGS LTDADR	1,332,029	1,282,344	
	VISA INC	5,538,345	10,163,846	
	VK IPJSCGDR	640,908	161,306	
	VULCAN MATERIALS CO	2,790,265	3,652,152	
	WAL-MART DE MEXICO SAB DE CV	3,218,077	2,419,756	
	WEBSTER FINANCIAL CORP	2,600,974	3,190,943	
	WILLIAMS COS INC/THE	1,501,445	2,711,412	
	WOLTERS KLUWER NV	3,439,847	3,321,386	
	YARA INTERNATIONAL ASA	3,327,649	2,326,950	
	ZALANDO SE	3,983,239	3,756,966	
Total Corporate Stock		675,272,183	794,205,786	

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	Corporate Obligations			
*		AMERICAN ELECTRIC POWER PROPVAR RT 12/31/2049 DD 07/24/08	\$ 9,929,882	\$ 9,929,882
		AMERICOLD REALTY OPERATING PAR5.409% 09/12/2034 DD 09/12/24	65,047	62,212
		AS MILEAGE PLAN IP LTD 144A5.021% 10/20/2029 DD 10/15/24	175,000	170,504
		ABBOTT LABORATORIES4.750% 11/30/2036 DD 11/22/16	2,632,387	2,377,246
		ABBOTT LABORATORIES4.900% 11/30/2046 DD 11/22/16	248,860	233,608
		ABBVIE INC4.050% 11/21/2039 DD 05/21/20	3,813,462	3,158,660
		ABBVIE INC4.250% 11/21/2049 DD 05/21/20	1,837,960	1,521,852
		ABBVIE INC4.400% 11/06/2042 DD 05/06/13	829,024	728,196
		ABBVIE INC4.450% 05/14/2046 DD 05/12/16	923,004	779,644
		ABBVIE INC4.500% 05/14/2035 DD 05/14/15	2,481,590	2,371,876
		ABBVIE INC4.550% 03/15/2035 DD 09/15/20	429,781	347,967
		ABBVIE INC4.750% 03/15/2045 DD 09/15/20	530,542	401,756
		ABBVIE INC4.850% 06/15/2044 DD 06/15/20	164,607	158,848
		ABBVIE INC4.875% 11/14/2048 DD 09/18/18	1,446,519	1,225,623
		ABBVIE INC5.400% 03/15/2054 DD 02/26/24	986,604	953,261
		ABBVIE INC5.500% 03/15/2064 DD 02/26/24	418,429	401,927
		ABN AMRO BANK NV 144AVAR RT 12/03/2028 DD 12/03/24	2,800,000	2,802,016
		ACCENTURE CAPITAL INC4.500% 10/04/2034 DD 10/04/24	519,459	494,218
		ADVANCED MICRO DEVICES INC4.393% 06/01/2052 DD 06/09/22	1,000,000	837,010
		AERCAP IRELAND CAPITAL DAC / A3.400% 10/29/2033 DD 10/29/21	944,067	868,958
		AERCAP IRELAND CAPITAL DAC / A3.850% 10/29/2041 DD 10/29/21	395,546	403,719
		AERCAP IRELAND CAPITAL DAC / A4.625% 09/10/2029 DD 09/10/24	198,828	195,634
		AERCAP IRELAND CAPITAL DAC / A6.100% 01/15/2027 DD 09/25/23	1,632,456	1,677,376
		AERCAP IRELAND CAPITAL DAC / A6.450% 04/15/2027 DD 04/15/24	337,607	343,393
		AETNA INC6.625% 06/15/2036 DD 06/09/06	125,613	121,209
		AIA GROUP LTD 144A3.200% 09/16/2040 DD 09/16/20	339,453	253,732
		AIA GROUP LTD 144A5.400% 09/30/2054 DD 09/30/24	348,096	324,716
		AIB GROUP PLC 144AVAR RT 03/28/2035 DD 03/28/24	454,833	450,149
		AIR PRODUCTS AND CHEMICALS INC2.700% 05/15/2040 DD 04/30/20	774,706	578,243
		AKER BP ASA 144A5.125% 10/01/2034 DD 10/01/24	124,604	117,408
		AKER BP ASA 144A5.800% 10/01/2054 DD 10/01/24	1,421,576	1,306,973

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	ALABAMA POWER CO3.000% 03/15/2052 DD 11/18/21	\$ 138,319	\$ 96,455	
	ALABAMA POWER CO3.450% 10/01/2049 DD 09/17/19	29,900	21,212	
	ALABAMA POWER CO3.700% 12/01/2047 DD 11/08/17	79,170	78,440	
	ALABAMA POWER CO4.300% 07/15/2048 DD 06/28/18	1,872,662	1,363,889	
	ALABAMA POWER CO6.000% 03/01/2039 DD 03/06/09	285,267	271,346	
	ALCON FINANCE CORP 144A3.800% 09/23/2049 DD 09/23/19	685,082	554,578	
	ALEXANDRIA REAL ESTATE EQUITIE2.750% 12/15/2029 DD 09/12/19	310,274	314,677	
	ALGONQUIN POWER & UTILITIES COSTEP 06/15/2026 DD 03/15/2024	231,052	234,097	
	ALTRIA GROUP INC3.400% 02/04/2041 DD 02/04/21	469,934	426,340	
	ALTRIA GROUP INC4.250% 08/09/2042 DD 08/09/12	603,520	547,586	
	ALTRIA GROUP INC4.450% 05/06/2050 DD 05/06/20	426,551	333,912	
	AMAZON.COM INC2.700% 06/03/2060 DD 06/03/20	1,416,987	931,208	
	AMAZON.COM INC3.100% 05/12/2051 DD 05/12/21	808,105	776,802	
	AMAZON.COM INC3.250% 05/12/2061 DD 05/12/21	1,868,701	1,395,259	
	AMAZON.COM INC3.875% 08/22/2037 DD 02/22/18	2,113,913	2,085,013	
	AMAZON.COM INC3.950% 04/13/2052 DD 04/13/22	1,138,820	904,390	
	AMAZON.COM INC4.050% 08/22/2047 DD 02/22/18	1,034,394	707,290	
	AMAZON.COM INC4.250% 08/22/2057 DD 02/22/18	297,675	270,758	
	AMEREN CORP5.700% 12/01/2026 DD 11/20/23	78,898	80,281	
	AMEREN ILLINOIS CO5.900% 12/01/2052 DD 11/22/22	129,598	133,432	
	AMERICAN AIRLINES 2017-1 CLASS3.650% 08/15/2030 DD 01/13/17	10,211	9,725	
	AMERICAN EXPRESS COVAR RT 02/16/2028 DD 02/16/24	472,570	475,758	
	AMERICAN EXPRESS COVAR RT 05/01/2026 DD 05/01/23	43,717	44,012	
	AMERICAN EXPRESS COVAR RT 07/26/2035 DD 07/26/24	66,027	64,292	
	AMERICAN EXPRESS COVAR RT 07/28/2027 DD 07/28/23	4,790,000	4,842,786	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		AMERICAN HONDA FINANCE CORP4.400% 09/05/2029 DD 09/05/24	\$ 159,808	\$ 155,563
		AMERICAN HONDA FINANCE CORP5.050% 07/10/2031 DD 07/10/24	43,987	43,544
		AMERICAN TOWER CORP3.100% 06/15/2050 DD 06/03/20	248,777	202,306
		AMERICAN TOWER CORP5.000% 01/31/2030 DD 11/21/24	254,036	253,554
		AMERICAN TRANSMISSION SYS 144A2.650% 01/15/2032 DD 12/01/21	718,013	610,495
		AMERICAN WATER CAPITAL CORP2.800% 05/01/2030 DD 04/14/20	736,973	664,372
		AMERICAN WATER CAPITAL CORP3.750% 09/01/2047 DD 08/10/17	463,411	315,359
		AMERICAN WATER CAPITAL CORP4.200% 09/01/2048 DD 08/09/18	70,610	55,703
		AMGEN INC2.770% 09/01/2053 DD 03/01/21	29,176	32,082
		AMGEN INC3.000% 01/15/2052 DD 08/09/21	399,322	277,658
		AMGEN INC3.150% 02/21/2040 DD 02/21/20	4,612,356	3,643,868
		AMGEN INC4.200% 02/22/2052 DD 02/22/22	1,220,917	939,645
		AMGEN INC4.400% 02/22/2062 DD 02/22/22	258,398	202,056
		AMGEN INC4.400% 05/01/2045 DD 05/01/15	982,051	734,639
		AMGEN INC4.563% 06/15/2048 DD 12/15/16	277,705	216,882
		AMGEN INC4.663% 06/15/2051 DD 12/15/16	1,125,937	910,619
		AMGEN INC5.600% 03/02/2043 DD 03/02/23	1,080,800	1,044,042
		AMGEN INC5.650% 03/02/2053 DD 03/02/23	324,532	313,505
		AMGEN INC5.750% 03/02/2063 DD 03/02/23	1,035,302	1,005,572
		AMPHENOL CORP5.375% 11/15/2054 DD 10/31/24	393,716	381,000
		ANALOG DEVICES INC5.300% 04/01/2054 DD 04/03/24	1,134,072	1,087,822
		ANGLO AMERICAN CAPITAL PL 144A4.000% 09/11/2027 DD 09/11/17	342,297	340,515
		ANGLO AMERICAN CAPITAL PL 144A6.000% 04/05/2054 DD 04/05/24	207,096	207,535
		ANHEUSER-BUSCH COS LLC / ANHEU4.700% 02/01/2036 DD 02/01/19	3,162,399	3,072,371
		ANHEUSER-BUSCH COS LLC / ANHEU4.900% 02/01/2046 DD 02/01/19	2,542,531	2,393,668
		ANHEUSER-BUSCH INBEV WORLDWIDE4.439% 10/06/2048 DD 04/06/17	2,709,005	2,269,641
		ANHEUSER-BUSCH INBEV WORLDWIDE5.450% 01/23/2039 DD 01/23/19	6,293,019	4,993,147
		ANHEUSER-BUSCH INBEV WORLDWIDE8.200% 01/15/2039 DD 01/15/11	403,430	395,284
*		AON CORP / AON GLOBAL HOLDINGS3.900% 02/28/2052 DD 02/28/22	393,944	294,056
*		AON GLOBAL LTD4.600% 06/14/2044 DD 05/28/14	238,764	228,614
*		AON NORTH AMERICA INC5.750% 03/01/2054 DD 03/01/24	551,626	543,012

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
	APA INFRASTRUCTURE LTD 144A5.750% 09/16/2044 DD 09/16/24		\$ 235,556	\$ 232,950
	APPLE INC2.650% 02/08/2051 DD 02/08/21		2,538,101	1,742,055
	APPLE INC2.650% 05/11/2050 DD 05/11/20		3,648,963	2,677,503
	APPLE INC2.700% 08/05/2051 DD 08/05/21		552,002	346,758
	APPLE INC3.450% 02/09/2045 DD 02/09/15		2,382,601	1,795,225
	APPLE INC3.750% 11/13/2047 DD 11/13/17		1,964,975	1,421,495
	APPLE INC3.850% 05/04/2043 DD 05/03/13		748,346	729,934
	APPLE INC3.850% 08/04/2046 DD 08/04/16		487,646	492,441
	APPLE INC3.950% 08/08/2052 DD 08/08/22		609,997	518,808
	APPLE INC4.100% 08/08/2062 DD 08/08/22		308,909	247,916
	APPLOVIN CORP5.375% 12/01/2031 DD 12/05/24		159,832	160,182
	ARCH CAPITAL FINANCE LLC4.011% 12/15/2026 DD 12/08/16		338,525	347,797
	ARTHUR J GALLAGHER & CO2.400% 11/09/2031 DD 11/09/21		148,627	155,784
	ARTHUR J GALLAGHER & CO5.150% 02/15/2035 DD 12/19/24		134,496	131,810
	ARTHUR J GALLAGHER & CO5.550% 02/15/2055 DD 12/19/24		303,097	294,386
	ASCENSION HEALTH2.532% 11/15/2029 DD 10/23/19		593,705	585,874
	ASTRAZENECA PLC4.000% 09/18/2042 DD 09/18/12		965,679	817,433
	ASTRAZENECA PLC4.375% 11/16/2045 DD 11/16/15		495,738	369,065
	ASTRAZENECA PLC6.450% 09/15/2037 DD 09/12/07		1,602,970	1,519,705
	AT&T INC1.700% 03/25/2026 DD 03/23/21		331,063	339,293
	AT&T INC3.500% 06/01/2041 DD 05/28/20		1,333,432	1,000,935
	AT&T INC3.500% 09/15/2053 DD 03/15/21		3,150,517	2,498,154
	AT&T INC3.550% 09/15/2055 DD 03/15/21		9,045,697	7,216,698
	AT&T INC3.650% 09/15/2059 DD 03/15/21		1,207,140	879,295
	AT&T INC3.800% 12/01/2057 DD 06/01/21		6,633,219	4,490,253
	ATHENE HOLDING LTD6.250% 04/01/2054 DD 03/22/24		657,182	662,917
	ATMOS ENERGY CORP2.850% 02/15/2052 DD 10/01/21		490,599	361,216
	ATMOS ENERGY CORP3.375% 09/15/2049 DD 10/02/19		68,913	68,722
	ATMOS ENERGY CORP5.000% 12/15/2054 DD 10/01/24		476,582	433,805
	AVALONBAY COMMUNITIES INC5.350% 06/01/2034 DD 05/14/24		1,016,909	1,024,784
	AVOLON HOLDINGS FUNDING L 144A5.750% 03/01/2029 DD 01/25/24		3,866,421	3,939,234
	BACARDI LTD / BACARDI-MAR 144A5.900% 06/15/2043 DD 06/20/23		328,815	319,938
	BAE SYSTEMS PLC 144A3.000% 09/15/2050 DD 09/15/20		551,807	362,701

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Corporate Obligations (Continued)				
	BAE SYSTEMS PLC 144A5.500% 03/26/2054 DD 03/26/24		\$ 598,964	\$ 589,911
	BALTIMORE GAS AND ELECTRIC CO2.900% 06/15/2050 DD 06/05/20		539,703	340,881
	BALTIMORE GAS AND ELECTRIC CO5.650% 06/01/2054 DD 06/06/24		319,910	316,170
	BALTIMORE GAS AND ELECTRIC CO6.350% 10/01/2036 DD 04/01/07		1,156,848	1,008,524
	BANCO SANTANDER SA5.147% 08/18/2025 DD 08/18/22		1,200,000	1,201,116
	BANCO SANTANDER SAVAR RT 03/14/2028 DD 03/14/24		130,000	131,127
	BANCO SANTANDER SAVAR RT 09/14/2027 DD 09/14/21		82,018	85,075
	BANK GOSPODARSTWA KRAJOWE 144A5.750% 07/09/2034 DD 07/09/24		69,273	69,541
	BANK OF AMERICA CORP6.110% 01/29/2037 DD 01/29/07		1,229,712	1,182,499
	BANK OF AMERICA CORP7.750% 05/14/2038 DD 05/14/08		362,354	274,598
	BANK OF AMERICA CORPVAR RT 01/23/2035 DD 01/23/24		340,190	340,459
	BANK OF AMERICA CORPVAR RT 03/11/2027 DD 03/11/21		483,332	518,395
	BANK OF AMERICA CORPVAR RT 03/15/2050 DD 03/15/19		392,770	293,471
	BANK OF AMERICA CORPVAR RT 03/20/2051 DD 03/20/20		200,000	156,850
	BANK OF AMERICA CORPVAR RT 04/22/2042 DD 04/22/21		2,777,041	2,417,687
	BANK OF AMERICA CORPVAR RT 04/23/2027 DD 04/23/19		558,584	579,600
	BANK OF AMERICA CORPVAR RT 04/24/2038 DD 04/24/17		3,443,324	2,959,915
	BANK OF AMERICA CORPVAR RT 06/19/2041 DD 06/19/20		5,817,798	4,224,130
	BANK OF AMERICA CORPVAR RT 09/15/2034 DD 09/15/23		560,000	575,086
	BANK OF AMERICA CORPVAR RT 10/20/2032 DD 10/20/21		68,645	67,550
	BANK OF AMERICA CORPVAR RT 10/25/2035 DD 10/25/24		1,114,132	1,088,519
	BANK OF MONTREAL5.511% 06/04/2031 DD 06/04/24		162,487	157,429
	BANK OF NEW YORK MELLON CORP/TVAR RT 02/01/2034 DD 01/31/23		1,905,000	1,831,372
	BANK OF NEW YORK MELLON CORP/TVAR RT 02/07/2028 DD 02/07/17		34,010	34,106
	BANK OF NOVA SCOTIA/THE5.650% 02/01/2034 DD 12/07/23		1,488,525	1,517,893

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Corporate Obligations (Continued)				
	BARCLAYS PLCVAR RT 03/12/2028 DD 03/12/24	\$ 1,480,000	\$ 1,497,346	
	BARCLAYS PLCVAR RT 03/12/2055 DD 03/12/24	410,000	410,554	
	BARCLAYS PLCVAR RT 08/09/2026 DD 08/09/22	40,017	40,076	
	BARCLAYS PLCVAR RT 09/10/2028 DD 09/10/24	850,000	844,756	
	BARCLAYS PLCVAR RT 09/10/2030 DD 09/10/24	250,000	245,158	
	BARCLAYS PLCVAR RT 11/24/2042 DD 11/24/21	540,000	391,333	
	BAT CAPITAL CORP4.390% 08/15/2037 DD 08/15/18	869,197	684,835	
	BAXTER INTERNATIONAL INC1.915% 02/01/2027 DD 12/01/21	253,921	268,618	
	BAXTER INTERNATIONAL INC3.132% 12/01/2051 DD 06/01/22	1,374,426	1,073,002	
	BAYER US FINANCE LLC 144A6.125% 11/21/2026 DD 11/21/23	254,870	259,886	
	BAYER US FINANCE LLC 144A6.500% 11/21/2033 DD 11/21/23	70,416	71,203	
	BAYLOR SCOTT & WHITE HOLDINGS2.839% 11/15/2050 DD 01/21/21	255,000	162,328	
	BAYLOR SCOTT & WHITE HOLDINGS4.185% 11/15/2045 DD 04/22/15	191,393	140,796	
	BECTON DICKINSON & CO4.669% 06/06/2047 DD 06/06/17	457,597	317,090	
	BERKSHIRE HATHAWAY ENERGY CO1.650% 05/15/2031 DD 10/29/20	275,421	279,572	
	BERKSHIRE HATHAWAY ENERGY CO2.850% 05/15/2051 DD 10/29/20	2,032,067	1,313,950	
	BERKSHIRE HATHAWAY ENERGY CO3.800% 07/15/2048 DD 01/05/18	327,284	245,101	
	BERKSHIRE HATHAWAY ENERGY CO4.450% 01/15/2049 DD 07/25/18	121,744	82,612	
	BERKSHIRE HATHAWAY ENERGY CO6.125% 04/01/2036 DD 10/01/06	2,097,711	1,999,845	
	BERKSHIRE HATHAWAY FINANCE COR2.850% 10/15/2050 DD 10/15/20	399,680	251,468	
	BERKSHIRE HATHAWAY FINANCE COR3.850% 03/15/2052 DD 03/15/22	2,247,040	1,708,681	
	BERKSHIRE HATHAWAY FINANCE COR4.300% 05/15/2043 DD 05/15/13	1,655,484	1,170,900	
	BHP BILLITON FINANCE USA LTD5.000% 09/30/2043 DD 09/30/13	381,479	271,202	
	BHP BILLITON FINANCE USA LTD5.250% 09/08/2033 DD 09/08/23	574,774	608,104	
	BHP BILLITON FINANCE USA LTD5.500% 09/08/2053 DD 09/08/23	888,400	855,400	
	BIMBO BAKERIES USA INC 144A5.375% 01/09/2036 DD 01/09/24	504,513	491,017	

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Corporate Obligations (Continued)				
	BIOGEN INC	3.250% 02/15/2051 DD 02/15/22	\$ 1,683,453	\$ 1,200,635
	BLACK HILLS CORP	2.500% 06/15/2030 DD 06/17/20	101,006	100,342
	BLACKROCK FUNDING INC	5.250% 03/14/2054 DD 03/14/24	959,919	922,535
	BLACKROCK FUNDING INC	5.350% 01/08/2055 DD 07/26/24	371,019	349,104
	BNP PARIBAS SA 144AVAR RT	11/19/2035 DD 11/19/24	1,560,000	1,513,543
	BOEING CO/THE	2.800% 03/01/2027 DD 02/16/17	13,795	14,296
	BOEING CO/THE	3.100% 05/01/2026 DD 05/02/19	792,530	799,352
	BOEING CO/THE	3.250% 02/01/2028 DD 11/02/20	332,504	329,308
	BOEING CO/THE	3.600% 05/01/2034 DD 05/02/19	94,729	99,620
	BOEING CO/THE	5.705% 05/01/2040 DD 05/04/20	3,230,563	3,047,200
	BOEING CO/THE	5.805% 05/01/2050 DD 05/04/20	2,605,448	2,269,571
	BOEING CO/THE	5.930% 05/01/2060 DD 05/04/20	621,161	514,346
	BOEING CO/THE	6.858% 05/01/2054 DD 11/01/24	1,275,000	1,357,773
	BOEING CO/THE	7.008% 05/01/2064 DD 11/01/24	790,000	839,762
	BOSTON SCIENTIFIC CORP	4.550% 03/01/2039 DD 02/25/19	257,760	208,141
	BP CAPITAL MARKETS AMERICA INC	2.772% 11/10/2050 DD 08/10/20	2,890,037	1,910,671
	BP CAPITAL MARKETS AMERICA INC	2.939% 06/04/2051 DD 12/04/20	669,759	443,429
	BP CAPITAL MARKETS AMERICA INC	3.000% 02/24/2050 DD 02/24/20	1,522,032	1,125,915
	BP CAPITAL MARKETS AMERICA INC	3.001% 03/17/2052 DD 09/17/21	918,798	619,027
	BP CAPITAL MARKETS AMERICA INC	3.060% 06/17/2041 DD 06/17/21	240,959	234,705
	BP CAPITAL MARKETS AMERICA INC	3.379% 02/08/2061 DD 02/08/21	702,421	466,181
	BP CAPITAL MARKETS AMERICA INC	4.812% 02/13/2033 DD 02/13/23	1,070,000	1,032,571
	BP CAPITAL MARKETS AMERICA INC	4.868% 11/25/2029 DD 11/25/24	100,000	100,040
	BP CAPITAL MARKETS AMERICA INC	5.017% 11/17/2027 DD 05/17/24	143,000	144,552
	BP CAPITAL MARKETS AMERICA INC	5.227% 11/17/2034 DD 05/17/24	124,499	123,220
	BPCE SA 144AVAR RT	10/19/2034 DD 10/19/23	1,212,000	1,292,004

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Corporate Obligations (Continued)				
	BRISTOL-MYERS SQUIBB CO2.350% 11/13/2040 DD 11/13/20	\$ 149,273	\$ 99,674	
	BRISTOL-MYERS SQUIBB CO2.550% 11/13/2050 DD 11/13/20	608,344	376,695	
	BRISTOL-MYERS SQUIBB CO3.700% 03/15/2052 DD 03/02/22	119,767	87,478	
	BRISTOL-MYERS SQUIBB CO4.250% 10/26/2049 DD 04/26/20	3,857,215	2,711,189	
	BRISTOL-MYERS SQUIBB CO4.350% 11/15/2047 DD 05/15/20	1,147,016	866,978	
	BRISTOL-MYERS SQUIBB CO4.550% 02/20/2048 DD 02/20/20	321,961	221,364	
	BRISTOL-MYERS SQUIBB CO5.200% 02/22/2034 DD 02/22/24	101,581	99,905	
	BRISTOL-MYERS SQUIBB CO5.500% 02/22/2044 DD 02/22/24	29,774	29,829	
	BRISTOL-MYERS SQUIBB CO5.550% 02/22/2054 DD 02/22/24	1,318,959	1,300,309	
	BRISTOL-MYERS SQUIBB CO5.650% 02/22/2064 DD 02/22/24	308,683	299,048	
	BRISTOL-MYERS SQUIBB CO6.400% 11/15/2063 DD 11/13/23	2,235,609	2,382,304	
	BROADCOM INC 144A3.500% 02/15/2041 DD 01/19/21	815,931	757,822	
	BROADCOM INC 144A4.926% 05/15/2037 DD 04/18/22	176,683	179,862	
	BROADCOM INC4.800% 10/15/2034 DD 10/02/24	2,340,146	2,263,136	
	BROOKFIELD FINANCE INC5.675% 01/15/2035 DD 06/21/24	588,039	564,295	
	BROOKFIELD FINANCE INC5.968% 03/04/2054 DD 03/04/24	280,000	283,408	
	BROOKLYN UNION GAS CO/THE 144A6.415% 07/18/2054 DD 07/18/24	370,000	384,119	
	BROWN & BROWN INC2.375% 03/15/2031 DD 09/24/20	178,483	187,382	
	BURLINGTON NORTHERN SANTA FE L3.900% 08/01/2046 DD 05/16/16	1,577,759	1,100,284	
	BURLINGTON NORTHERN SANTA FE L4.050% 06/15/2048 DD 03/05/18	973,783	825,361	
	BURLINGTON NORTHERN SANTA FE L4.150% 04/01/2045 DD 03/09/15	1,165,222	975,338	
	BURLINGTON NORTHERN SANTA FE L4.375% 09/01/2042 DD 08/23/12	1,570,858	1,366,958	
	BURLINGTON NORTHERN SANTA FE L4.550% 09/01/2044 DD 08/18/14	1,642,191	1,207,886	
	BURLINGTON NORTHERN SANTA FE L5.050% 03/01/2041 DD 09/10/10	382,477	329,399	
	BURLINGTON NORTHERN SANTA FE L5.150% 09/01/2043 DD 08/22/13	362,264	330,520	
	BURLINGTON NORTHERN SANTA FE L5.200% 04/15/2054 DD 06/09/23	279,849	264,088	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	BURLINGTON NORTHERN SANTA FE L5.400% 06/01/2041 DD 05/19/11	\$ 858,588	\$ 777,328	
	BURLINGTON NORTHERN SANTA FE L5.500% 03/15/2055 DD 06/07/24	338,198	335,033	
	CADENCE DESIGN SYSTEMS INC4.700% 09/10/2034 DD 09/10/24	239,544	230,182	
	CAMERON LNG LLC 144A3.701% 01/15/2039 DD 12/13/19	235,000	189,485	
	CANADIAN NATIONAL RAILWAY CO3.650% 02/03/2048 DD 02/06/18	300,605	199,685	
	CANADIAN PACIFIC RAILWAY CO3.100% 12/02/2051 DD 12/02/21	138,998	91,174	
	CARDINAL HEALTH INC4.368% 06/15/2047 DD 06/12/17	366,157	391,789	
	CARDINAL HEALTH INC5.350% 11/15/2034 DD 11/22/24	393,890	386,721	
	CARDINAL HEALTH INC5.750% 11/15/2054 DD 11/22/24	249,013	239,518	
	CARGILL INC 144A4.375% 04/22/2052 DD 04/22/22	184,203	152,760	
	CARRIER GLOBAL CORP6.200% 03/15/2054 DD 11/30/23	435,281	461,467	
	CATERPILLAR FINANCIAL SERVICES4.700% 11/15/2029 DD 11/15/24	149,756	149,477	
	CATERPILLAR INC3.803% 08/15/2042 DD 08/15/12	145,250	142,324	
	CBRE SERVICES INC4.875% 03/01/2026 DD 08/13/15	90,024	89,879	
	CCP_IRS. R USD-SOFR-COMPOUND CPAY 3.59% 2053 SEP 20	11,898	181,028	
	CCP_IRS. R USD-SOFR-COMPOUND CVAR RT 25% 2053 JUN 21	-	275,838	
	CCP_IRS. R USD-SOFR-COMPOUND C3.250% 25% 2053 JUN 21	(22,362)	-	
	CENCORA INC4.850% 12/15/2029 DD 12/09/24	115,022	114,428	
	CENCORA INC5.150% 02/15/2035 DD 12/09/24	399,780	390,712	
	CENTERPOINT ENERGY INC5.400% 06/01/2029 DD 05/10/24	71,849	72,807	
	CENTERPOINT ENERGY RESOURCES C5.250% 03/01/2028 DD 02/23/23	128,346	126,186	
	CHARLES SCHWAB CORP/THEVAR RT 05/19/2034 DD 05/19/23	940,000	968,463	
	CHARTER COMMUNICATIONS OPERATI2.800% 04/01/2031 DD 04/17/20	132,074	136,691	
	CHARTER COMMUNICATIONS OPERATI3.500% 03/01/2042 DD 10/12/21	535,966	367,286	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		CHARTER COMMUNICATIONS OPERATI3.700% 04/01/2051 DD 04/17/20	\$ 187,939	\$ 118,870
		CHARTER COMMUNICATIONS OPERATI3.850% 04/01/2061 DD 12/04/20	529,375	319,897
		CHARTER COMMUNICATIONS OPERATI4.800% 03/01/2050 DD 10/24/19	670,590	628,555
		CHARTER COMMUNICATIONS OPERATI4.908% 07/23/2025 DD 07/23/16	137,819	138,837
		CHARTER COMMUNICATIONS OPERATI5.125% 07/01/2049 DD 07/10/19	771,218	602,444
		CHARTER COMMUNICATIONS OPERATI5.375% 05/01/2047 DD 11/01/17	5,475,162	4,215,167
		CHARTER COMMUNICATIONS OPERATI6.150% 11/10/2026 DD 11/10/23	1,148,977	1,172,322
		CHARTER COMMUNICATIONS OPERATI6.384% 10/23/2035 DD 10/23/16	809,896	798,864
		CHARTER COMMUNICATIONS OPERATI6.484% 10/23/2045 DD 10/23/16	1,352,242	1,026,139
		CHENIERE ENERGY INC5.650% 04/15/2034 DD 03/19/24	668,586	676,271
		CHENIERE ENERGY PARTNERS LP4.000% 03/01/2031 DD 09/01/21	907,300	943,816
		CHENIERE ENERGY PARTNERS LP4.500% 10/01/2029 DD 04/01/20	933,040	968,180
		CHEVRON CORP2.978% 05/11/2040 DD 05/11/20	1,095,000	812,391
		CHILE GOVERNMENT INTERNATIONAL3.500% 01/25/2050 DD 06/25/19	610,020	401,550
		CHILE GOVERNMENT INTERNATIONAL4.000% 01/31/2052 DD 01/31/22	414,029	311,000
		CHILE GOVERNMENT INTERNATIONAL4.340% 03/07/2042 DD 03/07/22	841,326	704,788
		CHILE GOVERNMENT INTERNATIONAL5.330% 01/05/2054	281,725	272,669
		CHILE GOVERNMENT INTERNATIONAL5.330% 01/05/2054 DD 07/05/23	789,408	730,197
		CIGNA GROUP/THE3.400% 03/15/2050 DD 03/16/20	407,416	372,047
		CIGNA GROUP/THE3.875% 10/15/2047 DD 04/15/20	154,379	116,691
		CIGNA GROUP/THE4.800% 07/15/2046 DD 01/15/20	193,552	148,815
		CIGNA GROUP/THE6.125% 11/15/2041 DD 05/15/20	288,662	227,088
		CISCO SYSTEMS INC4.950% 02/26/2031 DD 02/26/24	171,658	172,557
		CISCO SYSTEMS INC5.300% 02/26/2054 DD 02/26/24	2,271,652	2,213,052
		CISCO SYSTEMS INC5.350% 02/26/2064 DD 02/26/24	228,983	220,752
		CITIBANK NA5.570% 04/30/2034 DD 04/30/24	260,000	262,964

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	CITIGROUP INC4.750% 05/18/2046 DD 05/18/16	\$ 1,023,894	\$ 910,324	
	CITIGROUP INC5.875% 01/30/2042 DD 01/26/12	652,620	628,887	
	CITIGROUP INC6.125% 08/25/2036 DD 08/25/06	259,598	264,009	
	CITIGROUP INC8.125% 07/15/2039 DD 07/23/09	1,031,040	734,837	
	CITIGROUP INCVAR RT 01/24/2039 DD 01/24/18	446,661	350,360	
	CITIGROUP INCVAR RT 01/29/2031 DD 01/29/20	67,709	66,351	
	CITIGROUP INCVAR RT 02/13/2030 DD 02/13/24	128,634	124,881	
	CITIGROUP INCVAR RT 03/26/2041 DD 03/26/20	2,983,067	2,560,020	
	CITIGROUP INCVAR RT 05/01/2032 DD 05/04/21	113,066	110,130	
	CITIGROUP INCVAR RT 06/11/2035 DD 06/11/24	1,870,000	1,855,003	
	CITIGROUP INCVAR RT 11/03/2042 DD 11/03/21	1,468,596	1,097,268	
	CITIZENS FINANCIAL GROUP INCVAR RT 04/25/2035 DD 04/25/24	26,876	26,425	
	CITIZENS FINANCIAL GROUP INCVAR RT 07/23/2032 DD 07/23/24	71,003	70,260	
	CK HUTCHISON INTERNATIONAL 144A3.375% 09/06/2049 DD 09/06/19	598,012	427,547	
	CLECO CORPORATE HOLDINGS LLCVAR RT 05/01/2046 DD 11/01/16	239,189	175,860	
	CLEVELAND ELECTRIC ILLUMINATING 5.950% 12/15/2036 DD 12/11/06	1,545,083	1,245,674	
	CNH INDUSTRIAL CAPITAL LLC4.500% 10/08/2027 DD 10/09/24	34,933	34,687	
	CNH INDUSTRIAL CAPITAL LLC5.100% 04/20/2029 DD 03/21/24	117,005	118,017	
	COCA-COLA CO/THE2.500% 06/01/2040 DD 05/01/20	3,159,642	2,288,504	
	COCA-COLA CO/THE5.200% 01/14/2055 DD 08/14/24	864,247	822,580	
	COCA-COLA CO/THE5.300% 05/13/2054 DD 05/13/24	800,331	777,839	
	COCA-COLA CO/THE5.400% 05/13/2064 DD 05/13/24	2,408,707	2,332,880	
	COLUMBIA PIPELINES OPERATING 144A6.497% 08/15/2043 DD 08/08/23	89,998	93,458	
	COLUMBIA PIPELINES OPERATING 144A6.544% 11/15/2053 DD 08/08/23	1,107,173	1,162,857	
	COLUMBIA PIPELINES OPERATING 144A6.714% 08/15/2063 DD 08/08/23	484,390	515,705	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	COMCAST CORP2.887% 11/01/2051 DD 05/01/22	\$ 2,974,325	\$ 2,048,840	
	COMCAST CORP2.937% 11/01/2056 DD 05/01/22	7,067,416	4,343,739	
	COMCAST CORP2.987% 11/01/2063 DD 05/01/22	1,322,955	758,094	
	COMCAST CORP3.200% 07/15/2036 DD 07/19/16	785,714	622,083	
	COMCAST CORP3.250% 11/01/2039 DD 11/05/19	134,935	140,319	
	COMCAST CORP3.400% 07/15/2046 DD 07/19/16	2,353,912	1,623,884	
	COMCAST CORP3.750% 04/01/2040 DD 03/27/20	385,689	269,692	
	COMCAST CORP3.900% 03/01/2038 DD 02/08/18	1,086,475	948,393	
	COMCAST CORP3.969% 11/01/2047 DD 10/19/17	546,798	368,553	
	COMCAST CORP3.999% 11/01/2049 DD 10/19/17	772,134	570,330	
	COMCAST CORP5.350% 05/15/2053 DD 05/09/23	139,397	129,849	
	COMCAST CORP5.500% 05/15/2064 DD 05/09/23	1,816,423	1,704,933	
	COMMONWEALTH EDISON CO3.650% 06/15/2046 DD 06/27/16	888,720	601,729	
	COMMONWEALTH EDISON CO3.700% 03/01/2045 DD 03/02/15	257,907	175,699	
	COMMONWEALTH EDISON CO3.850% 03/15/2052 DD 03/15/22	454,195	337,096	
	COMMONWEALTH EDISON CO5.300% 02/01/2053 DD 01/10/23	683,460	679,363	
	COMMONWEALTH EDISON CO5.650% 06/01/2054 DD 05/13/24	655,723	652,100	
	CONAGRA BRANDS INC5.300% 11/01/2038 DD 10/22/18	176,271	150,752	
	CONOCOPHILLIPS CO3.758% 03/15/2042 DD 09/15/22	915,750	729,585	
	CONOCOPHILLIPS CO3.800% 03/15/2052 DD 03/08/22	568,222	420,452	
	CONOCOPHILLIPS CO4.025% 03/15/2062 DD 09/15/22	1,414,248	1,070,750	
	CONOCOPHILLIPS CO4.300% 11/15/2044 DD 11/12/14	313,261	263,759	
	CONOCOPHILLIPS CO5.300% 05/15/2053 DD 05/23/23	1,117,991	1,041,919	
	CONOCOPHILLIPS CO5.500% 01/15/2055 DD 12/05/24	189,371	180,713	
	CONOCOPHILLIPS CO5.550% 03/15/2054 DD 08/17/23	1,698,206	1,640,279	

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Corporate Obligations (Continued)				
		CONOCOPHILLIPS CO5.650% 01/15/2065 DD 12/05/24	\$ 321,704	\$ 302,646
		CONOCOPHILLIPS CO5.700% 09/15/2063 DD 08/17/23	329,099	316,949
		CONSOLIDATED EDISON CO OF NEW3.200% 12/01/2051 DD 12/02/21	25,000	16,373
		CONSOLIDATED EDISON CO OF NEW3.700% 11/15/2059 DD 11/08/19	837,977	603,969
		CONSOLIDATED EDISON CO OF NEW3.875% 06/15/2047 DD 06/08/17	295,853	190,805
		CONSOLIDATED EDISON CO OF NEW3.950% 04/01/2050 DD 03/31/20	784,170	588,477
		CONSOLIDATED EDISON CO OF NEW4.125% 05/15/2049 DD 05/09/19	568,753	401,798
		CONSOLIDATED EDISON CO OF NEW4.450% 03/15/2044 DD 03/06/14	2,538,474	2,201,471
		CONSOLIDATED EDISON CO OF NEW4.500% 05/15/2058 DD 05/10/18	142,548	132,802
		CONSOLIDATED EDISON CO OF NEW5.500% 12/01/2039 DD 12/04/09	1,314,078	1,172,522
		CONSOLIDATED EDISON CO OF NEW5.700% 05/15/2054 DD 05/09/24	675,254	677,470
		CONSOLIDATED EDISON CO OF NEW5.850% 03/15/2036 DD 03/09/06	562,376	618,080
		CONSOLIDATED EDISON CO OF NEW5.900% 11/15/2053 DD 11/22/23	168,445	172,489
		CONSTELLATION BRANDS INC5.250% 11/15/2048 DD 10/29/18	258,795	228,573
		CONSTELLATION ENERGY GENERATIO5.750% 10/01/2041 DD 09/30/10	181,692	175,817
		CONSTELLATION ENERGY GENERATIO5.800% 03/01/2033 DD 02/24/23	171,315	172,791
		CONSTELLATION ENERGY GENERATIO6.250% 10/01/2039 DD 09/23/09	3,968,463	3,547,424
		CONSTELLATION ENERGY GENERATIO6.500% 10/01/2053 DD 09/29/23	429,828	457,253
		CONSUMERS ENERGY CO4.200% 09/01/2052 DD 08/11/22	196,625	181,553
		CONSUMERS ENERGY CO4.600% 05/30/2029 DD 01/09/24	99,768	99,067
		COREBRIDGE FINANCIAL INC4.350% 04/05/2042 DD 04/05/23	228,166	221,225
		COREBRIDGE GLOBAL FUNDING 144A4.650% 08/20/2027 DD 08/22/24	99,984	99,639
		CORNING INC5.450% 11/15/2079 DD 11/19/19	252,191	226,425
		CORP NACIONAL DEL COBRE D 144A6.440% 01/26/2036 DD 01/26/24	795,538	811,005
		COTERRA ENERGY INC5.400% 02/15/2035 DD 12/17/24	199,423	195,486

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Corporate Obligations (Continued)				
	COTERRA ENERGY INC	5.900% 02/15/2055 DD 12/17/24	\$ 546,453	\$ 520,377
	CREDIT AGRICOLE SA	144A5.134% 03/11/2027 DD 03/11/24	250,000	251,358
	CREDIT AGRICOLE SA	144AVAR RT 09/11/2028 DD 09/11/24	85,120	83,924
	CROWN CASTLE INC	4.000% 11/15/2049 DD 08/15/19	31,144	29,776
	CSL FINANCE PLC	144A3.850% 04/27/2027 DD 04/27/22	90,910	88,865
	CSL FINANCE PLC	144A4.750% 04/27/2052 DD 04/27/22	1,396,153	1,209,292
	CSL FINANCE PLC	144A5.106% 04/03/2034 DD 04/03/24	159,000	156,342
	CSX CORP	3.350% 09/15/2049 DD 09/12/19	410,198	288,334
	CSX CORP	3.800% 04/15/2050 DD 03/30/20	149,304	113,012
	CSX CORP	4.100% 03/15/2044 DD 10/22/12	383,111	282,790
	CSX CORP	4.500% 11/15/2052 DD 07/28/22	809,252	819,330
	CSX CORP	4.750% 05/30/2042 DD 11/01/11	1,938,456	1,747,596
	CSX CORP	4.900% 03/15/2055 DD 09/18/24	314,606	282,290
	CVS HEALTH CORP	4.125% 04/01/2040 DD 03/31/20	913,627	706,726
	CVS HEALTH CORP	4.780% 03/25/2038 DD 03/09/18	4,187,279	3,710,035
	CVS HEALTH CORP	5.050% 03/25/2048 DD 03/09/18	1,183,650	857,698
	CVS HEALTH CORP	5.125% 07/20/2045 DD 07/20/15	739,649	593,540
	CVS HEALTH CORP	5.550% 06/01/2031 DD 05/09/24	269,477	266,041
	CVS HEALTH CORP	5.875% 06/01/2053 DD 06/02/23	1,298,732	1,220,169
	DANAHER CORP	2.600% 10/01/2050 DD 10/06/20	540,234	363,505
	DANAHER CORP	2.800% 12/10/2051 DD 12/10/21	393,542	318,131
	DANSKE BANK A/S	144AVAR RT 03/01/2028 DD 03/01/24	350,000	353,035
	DANSKE BANK A/S	144AVAR RT 09/22/2026 DD 09/22/23	1,230,000	1,240,307
	DANSKE BANK A/S	144AVAR RT 10/02/2030 DD 10/02/24	760,000	737,299
	DELTA AIR LINES INC / SKY	144A4.750% 10/20/2028 DD 09/23/20	88,655	88,783
	DENTSPLY SIRONA INC	3.250% 06/01/2030 DD 05/26/20	83,803	79,529
	DEUTSCHE BANK AG/NEW YORK	NYVAR RT 01/07/2033 DD 01/07/22	24,980	25,391
	DEUTSCHE BANK AG/NEW YORK	NYVAR RT 9/11/2035 DD 09/11/24	48,675	47,433

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Corporate Obligations (Continued)				
		DEUTSCHE BANK AG/NEW YORK NYVAR RT 11/20/2029 DD 11/20/23	\$ 1,000,000	\$ 1,046,580
		DEVON ENERGY CORP5.750% 09/15/2054 DD 08/28/24	1,827,841	1,663,781
		DIAMONDBACK ENERGY INC4.250% 03/15/2052 DD 03/17/22	148,414	128,593
		DIAMONDBACK ENERGY INC4.400% 03/24/2051 DD 03/24/21	852,170	663,471
		DIAMONDBACK ENERGY INC5.750% 04/18/2054 DD 04/18/24	1,324,040	1,245,845
		DIAMONDBACK ENERGY INC5.900% 04/18/2064 DD 04/18/24	869,169	816,947
		DIAMONDBACK ENERGY INC6.250% 03/15/2053 DD 12/13/22	340,632	339,507
		DICK'S SPORTING GOODS INC3.150% 01/15/2032 DD 01/14/22	180,480	175,328
		DISCOVER BANK3.450% 07/27/2026 DD 07/27/16	427,258	439,866
		DISCOVERY COMMUNICATIONS LLC4.900% 03/11/2026 DD 03/11/16	494,784	496,401
		DNB BANK ASA 144AVAR RT 11/05/2030 DD 11/05/24	300,000	296,637
		DOMINION ENERGY INC3.300% 04/15/2041 DD 04/05/21	1,009,111	744,451
		DOMINION ENERGY INC4.050% 09/15/2042 DD 09/13/12	935,418	751,821
		DOMINION ENERGY INC4.600% 03/15/2049 DD 03/13/19	211,848	148,480
		DOMINION ENERGY INC4.700% 12/01/2044 DD 11/25/14	1,240,418	1,057,515
		DOMINION ENERGY INC5.950% 06/15/2035 DD 06/20/05	602,494	695,198
		DOMINION ENERGY INCVAR RT 05/15/2055 DD 11/18/24	15,444	15,250
		DOMINION ENERGY SOUTH CAROLINA5.100% 06/01/2065 DD 05/22/15	315,252	228,401
		DOW CHEMICAL CO/THE4.375% 11/15/2042 DD 11/14/12	392,750	266,776
		DOW CHEMICAL CO/THE4.800% 05/15/2049 DD 11/15/19	485,133	412,541
		DR HORTON INC5.000% 10/15/2034 DD 08/14/24	197,408	193,426
		DTE ELECTRIC CO2.625% 03/01/2031 DD 04/06/20	590,492	591,601
		DTE ELECTRIC CO4.050% 05/15/2048 DD 05/07/18	581,680	400,515
		DTE ELECTRIC CO4.300% 07/01/2044 DD 07/02/14	1,061,671	885,539
		DTE ELECTRIC SECURITIZATION FU5.970% 03/01/2033 DD 11/01/23	523,695	541,119

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Corporate Obligations (Continued)				
		DTE ENERGY CO4.950% 07/01/2027 DD 08/02/24	\$ 244,708	\$ 245,894
		DUKE ENERGY CAROLINAS LLC2.550% 04/15/2031 DD 04/01/21	486,933	493,141
		DUKE ENERGY CAROLINAS LLC3.550% 03/15/2052 DD 03/04/22	373,478	349,049
		DUKE ENERGY CAROLINAS LLC3.750% 06/01/2045 DD 03/12/15	1,881,345	1,335,920
		DUKE ENERGY CAROLINAS LLC3.950% 03/15/2048 DD 03/01/18	1,876,294	1,248,267
		DUKE ENERGY CAROLINAS LLC5.400% 01/15/2054 DD 06/15/23	318,838	307,965
		DUKE ENERGY CAROLINAS LLC6.000% 01/15/2038 DD 01/10/08	3,330,749	3,096,409
		DUKE ENERGY CORP3.300% 06/15/2041 DD 06/10/21	1,541,168	1,135,436
		DUKE ENERGY CORP3.500% 06/15/2051 DD 06/10/21	341,529	266,941
		DUKE ENERGY CORP3.750% 09/01/2046 DD 08/12/16	261,521	228,489
		DUKE ENERGY CORP4.200% 06/15/2049 DD 06/07/19	61,254	65,741
		DUKE ENERGY CORP5.000% 08/15/2052 DD 08/11/22	928,700	839,098
		DUKE ENERGY CORP5.800% 06/15/2054 DD 06/07/24	338,079	331,503
		DUKE ENERGY FLORIDA LLC6.350% 09/15/2037 DD 09/18/07	716,799	599,797
		DUKE ENERGY FLORIDA PROJECT FI2.538% 09/01/2031 DD 06/22/16	77,931	79,531
		DUKE ENERGY INDIANA LLC2.750% 04/01/2050 DD 03/12/20	1,347,413	1,019,155
		DUKE ENERGY INDIANA LLC6.450% 04/01/2039 DD 03/23/09	319,551	307,897
		DUKE ENERGY OHIO INC3.700% 06/15/2046 DD 06/23/16	1,024,572	687,112
		DUKE ENERGY OHIO INC5.650% 04/01/2053 DD 03/22/23	110,752	112,721
		DUKE ENERGY PROGRESS LLC3.600% 09/15/2047 DD 09/08/17	698,971	509,852
		DUKE ENERGY PROGRESS LLC4.150% 12/01/2044 DD 11/20/14	1,430,237	997,701
		DUKE ENERGY PROGRESS LLC6.300% 04/01/2038 DD 03/13/08	231,585	235,071
		DUPONT DE NEMOURS INC5.319% 11/15/2038 DD 11/28/18	1,938,129	1,823,014
		DUPONT DE NEMOURS INC5.419% 11/15/2048 DD 11/28/18	494,052	488,486
		DUQUESNE LIGHT HOLDINGS I 144A2.775% 01/07/2032 DD 07/07/21	600,000	499,926

American Electric Power System Retirement Plan

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations				
(Continued)				
	EAST OHIO GAS CO/THE 144A3.000% 06/15/2050 DD 06/16/20	\$ 379,518	\$ 236,082	
	EASTERN ENERGY GAS HOLDINGS LL5.650% 10/15/2054 DD 10/09/24	361,097	340,063	
	EASTERN GAS TRANSMISSION & STO4.600% 12/15/2044 DD 06/15/22	698,429	478,334	
	EASTERN GAS TRANSMISSION & STO4.800% 11/01/2043 DD 05/01/22	905,710	629,139	
	ECOLAB INC2.700% 11/01/2026 DD 10/18/16	233,185	239,192	
	ECOLAB INC2.700% 12/15/2051 DD 12/15/21	419,265	264,667	
	EIG PEARL HOLDINGS SARL 144A4.387% 11/30/2046 DD 01/25/22	291,359	290,246	
	ELEVANCE HEALTH INC2.250% 05/15/2030 DD 05/05/20	164,290	167,702	
	ELEVANCE HEALTH INC4.550% 03/01/2048 DD 03/02/18	1,489,902	1,229,398	
	ELEVANCE HEALTH INC4.650% 01/15/2043 DD 09/10/12	2,979,719	2,480,824	
	ELEVANCE HEALTH INC4.650% 08/15/2044 DD 08/12/14	1,185,359	897,352	
	ELEVANCE HEALTH INC5.650% 06/15/2054 DD 05/30/24	567,692	547,029	
	ELEVANCE HEALTH INC5.850% 11/01/2064 DD 10/31/24	692,971	672,406	
	ELI LILLY & CO4.950% 02/27/2063 DD 02/27/23	217,019	197,716	
	ELI LILLY & CO5.000% 02/09/2054 DD 02/09/24	760,647	703,509	
	ELI LILLY & CO5.050% 08/14/2054 DD 08/14/24	149,265	139,191	
	ELI LILLY & CO5.100% 02/09/2064 DD 02/09/24	968,846	888,171	
	EMERA US FINANCE LP4.750% 06/15/2046 DD 12/15/16	3,398,752	2,675,721	
	EMERSON ELECTRIC CO2.800% 12/21/2051 DD 12/21/21	369,179	229,056	
	EMORY UNIVERSITY2.143% 09/01/2030 DD 05/20/20	131,702	130,598	
	EMPOWER FINANCE 2020 LP 144A1.776% 03/17/2031 DD 09/17/20	276,014	288,070	
	EMPOWER FINANCE 2020 LP 144A3.075% 09/17/2051 DD 09/17/20	110,000	69,237	
	ENBRIDGE ENERGY PARTNERS LP5.500% 09/15/2040 DD 09/13/10	4,577	4,792	
	ENBRIDGE INC4.500% 06/10/2044 DD 06/04/14	570,931	486,833	
	ENBRIDGE INC5.950% 04/05/2054 DD 04/05/24	200,075	198,336	
	ENBRIDGE INC6.700% 11/15/2053 DD 11/09/23	1,228,401	1,336,727	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	ENBRIDGE INCVAR RT 01/15/2084 DD 09/25/23	\$ 780,000	\$ 815,584	
	ENEL FINANCE AMERICA LLC 144A2.875% 07/12/2041 DD 07/12/21	558,045	382,251	
	ENEL FINANCE INTERNATIONAL 144A4.750% 05/25/2047 DD 05/25/17	887,960	822,547	
	ENERGY TRANSFER LP 144A7.375% 02/01/2031 DD 01/19/23	410,434	414,101	
	ENERGY TRANSFER LP4.150% 09/15/2029 DD 09/13/19	132,225	136,267	
	ENERGY TRANSFER LP4.950% 01/15/2043 DD 01/10/13	1,488,056	1,270,624	
	ENERGY TRANSFER LP5.300% 04/01/2044 DD 04/03/14	637,952	572,071	
	ENERGY TRANSFER LP6.000% 06/15/2048 DD 06/08/18	143,185	130,577	
	ENERGY TRANSFER LP6.250% 04/15/2049 DD 01/15/19	1,973,199	1,960,285	
	ENERGY TRANSFER LP6.500% 02/01/2042 DD 01/17/12	326,487	281,914	
	ENERGY TRANSFER LP6.625% 10/15/2036 DD 10/23/06	323,998	317,995	
	ENERGY TRANSFER LP7.500% 07/01/2038 DD 03/28/08	627,820	580,834	
	ENGIE SA 144A5.875% 04/10/2054 DD 04/10/24	541,464	537,955	
	ENI SPA 144A4.250% 05/09/2029 DD 05/09/19	558,555	541,940	
	ENI SPA 144A5.700% 10/01/2040 DD 10/01/10	755,827	681,855	
	ENI SPA 144A5.950% 05/15/2054 DD 05/15/24	2,415,876	2,343,590	
	ENTERGY ARKANSAS LLC3.350% 06/15/2052 DD 03/30/21	268,321	181,076	
	ENTERGY ARKANSAS LLC3.500% 04/01/2026 DD 01/08/16	88,337	89,806	
	ENTERGY CORPVAR RT 12/01/2054 DD 05/23/24	520,000	528,741	
	ENTERGY LOUISIANA LLC2.900% 03/15/2051 DD 03/06/20	763,274	455,098	
	ENTERGY LOUISIANA LLC4.200% 04/01/2050 DD 03/12/19	423,981	337,151	
	ENTERGY LOUISIANA LLC5.150% 09/15/2034 DD 08/09/24	89,657	88,554	
	ENTERGY TEXAS INC5.800% 09/01/2053 DD 08/11/23	378,693	380,771	
	ENTERGY TEXAS RESTORATION FUND3.697% 12/15/2036 DD 04/01/22	1,419,980	1,285,753	
	ENTERPRISE PRODUCTS OPERATING4.800% 02/01/2049 DD 10/11/18	2,379,751	1,835,698	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
	ENTERPRISE PRODUCTS OPERATING	4.900% 05/15/2046 DD 05/07/15	\$ 1,066,194	\$ 878,975
	ENTERPRISE PRODUCTS OPERATING	5.100% 02/15/2045 DD 02/12/14	664,917	627,327
	ENTERPRISE PRODUCTS OPERATING	5.550% 02/16/2055 DD 08/08/24	488,349	472,159
	ENTERPRISE PRODUCTS OPERATING	7.550% 04/15/2038 DD 10/15/09	403,589	413,395
	ENTERPRISE PRODUCTS OPERATING	VAR RT 08/16/2077 DD 08/16/17	752,760	703,519
	EOG RESOURCES INC	5.650% 12/01/2054 DD 11/21/24	408,111	402,050
	EQUINIX INC	2.950% 09/15/2051 DD 10/07/20	1,606,999	1,075,323
	EQUINIX INC	3.000% 07/15/2050 DD 06/22/20	847,359	776,327
	EQUINOR ASA	3.250% 11/18/2049 DD 11/18/19	26,178	17,110
	EQUINOR ASA	3.625% 04/06/2040 DD 04/06/20	3,081,139	2,514,933
	EQUINOR ASA	3.950% 05/15/2043 DD 05/15/13	1,424,673	1,016,688
	EQUINOR ASA	4.250% 11/23/2041 DD 11/23/11	531,537	381,895
	EQUITABLE LIFE ASSURANCE CONTR		4	4
	ESSENTIAL UTILITIES INC	2.400% 05/01/2031 DD 04/19/21	95,911	98,515
	ESSENTIAL UTILITIES INC	2.704% 04/15/2030 DD 04/15/20	100,016	105,177
	ESSENTIAL UTILITIES INC	4.800% 08/15/2027 DD 08/15/24	59,978	59,909
	EVERGY KANSAS CENTRAL INC	3.250% 09/01/2049 DD 08/19/19	172,219	109,613
	EVERGY METRO INC	4.200% 03/15/2048 DD 03/01/18	361,685	287,157
	EVERSOURCE ENERGY	3.450% 01/15/2050 DD 01/10/20	64,057	41,053
	EVERSOURCE ENERGY	5.950% 02/01/2029 DD 11/10/23	58,933	60,777
	EXELON CORP	4.100% 03/15/2052 DD 09/15/22	304,787	232,221
	EXELON CORP	4.450% 04/15/2046 DD 04/07/16	153,199	133,318
	EXELON CORP	4.700% 04/15/2050 DD 04/01/20	745,695	570,119
	EXELON CORP	5.100% 06/15/2045 DD 12/15/15	901,959	820,174
	EXTRA SPACE STORAGE LP	2.550% 06/01/2031 DD 05/11/21	108,466	106,323
	EXXON MOBIL CORP	3.095% 08/16/2049 DD 08/16/19	1,223,958	900,869
	EXXON MOBIL CORP	3.452% 04/15/2051 DD 04/15/20	2,934,202	2,113,201

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		EXXON MOBIL CORP4.227% 03/19/2040 DD 03/19/20	\$ 2,766,726	\$ 2,363,926
		FEDEX CORP4.050% 02/15/2048 DD 01/31/18	1,428,959	1,149,345
		FEDEX CORP4.400% 01/15/2047 DD 01/06/17	589,515	405,045
		FEDEX CORP4.550% 04/01/2046 DD 03/24/16	501,305	406,143
		FIRSTENERGY TRANSMISSION 144A4.550% 01/15/2030 DD 09/05/24	259,659	253,172
		FLORIDA POWER & LIGHT CO3.700% 12/01/2047 DD 11/16/17	210,928	172,631
		FLORIDA POWER & LIGHT CO5.960% 04/01/2039 DD 03/17/09	3,007,451	2,865,684
		FORD MOTOR CO3.250% 02/12/2032 DD 11/12/21	603,122	615,510
		FORD MOTOR CREDIT CO LLC2.300% 02/10/2025 DD 01/10/22	193,918	199,332
		FORD MOTOR CREDIT CO LLC5.125% 11/05/2026 DD 09/06/24	3,737,202	3,736,896
		FORD MOTOR CREDIT CO LLC6.125% 03/08/2034 DD 03/08/24	901,352	899,778
		FORTIVE CORP4.300% 06/15/2046 DD 06/15/17	298,495	222,769
		FOUNDRY JV HOLDCO LLC 144A6.400% 01/25/2038 DD 05/07/24	279,233	283,004
		GE HEALTHCARE TECHNOLOGIES INC4.800% 08/14/2029 DD 08/14/24	199,762	198,148
		GE HEALTHCARE TECHNOLOGIES INC6.377% 11/22/2052 DD 05/22/23	110,000	118,370
		GENERAL DYNAMICS CORP4.250% 04/01/2040 DD 03/25/20	481,318	380,025
		GENERAL MILLS INC4.875% 01/30/2030 DD 11/21/24	109,495	109,305
		GENERAL MOTORS CO5.150% 04/01/2038 DD 08/07/17	211,917	211,844
		GENERAL MOTORS CO5.200% 04/01/2045 DD 11/12/14	206,494	199,746
		GENERAL MOTORS FINANCIAL CO IN5.950% 04/04/2034 DD 04/04/24	399,912	402,012
		GEORGE WASHINGTON UNIVERSITY/T4.868% 09/15/2045 DD 07/01/15	401,449	298,611
		GEORGIA POWER CO4.300% 03/15/2042 DD 03/06/12	2,687,533	2,404,414
		GEORGIA POWER CO4.300% 03/15/2043 DD 03/15/13	1,250,018	919,941
		GEORGIA POWER CO4.550% 03/15/2030 DD 12/05/24	104,753	103,285
		GILEAD SCIENCES INC2.800% 10/01/2050 DD 09/30/20	129,241	80,042
		GILEAD SCIENCES INC4.000% 09/01/2036 DD 09/20/16	751,691	667,465
		GILEAD SCIENCES INC4.150% 03/01/2047 DD 09/20/16	3,184,550	2,550,409

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		GILEAD SCIENCES INC4.500% 02/01/2045 DD 11/17/14	\$ 2,609,818	\$ 2,046,354
		GILEAD SCIENCES INC4.750% 03/01/2046 DD 09/14/15	291,533	282,221
		GILEAD SCIENCES INC4.800% 11/15/2029 DD 11/20/24	79,990	79,839
		GILEAD SCIENCES INC5.100% 06/15/2035 DD 11/20/24	1,130,449	1,117,862
		GILEAD SCIENCES INC5.550% 10/15/2053 DD 09/14/23	498,875	492,615
		GLAXOSMITHKLINE CAPITAL INC6.375% 05/15/2038 DD 05/13/08	569,111	493,179
		GLENCORE FINANCE CANADA L 144A6.900% 11/15/2037 DD 11/20/07	431,486	415,116
		GLENCORE FUNDING LLC 144A3.875% 04/27/2051 DD 04/27/21	268,005	258,538
		GLENCORE FUNDING LLC 144A5.893% 04/04/2054 DD 04/04/24	638,113	631,651
		GLOBAL ATLANTIC FIN CO 144A7.950% 06/15/2033 DD 06/15/23	86,126	83,138
		GLOBE LIFE INC2.150% 08/15/2030 DD 08/21/20	41,909	43,955
		GLOBE LIFE INC5.850% 09/15/2034 DD 08/23/24	135,572	135,791
		GOLDMAN SACHS BANK USA/NEW YORVAR RT 05/21/2027 DD 05/21/24	532,000	536,155
		GOLDMAN SACHS GROUP INC/THE2.600% 02/07/2030 DD 02/07/20	54,108	53,141
		GOLDMAN SACHS GROUP INC/THE6.250% 02/01/2041 DD 01/28/11	2,330,311	2,288,777
		GOLDMAN SACHS GROUP INC/THE6.750% 10/01/2037 DD 10/03/07	2,646,504	2,723,645
		GOLDMAN SACHS GROUP INC/THEVAR RT 02/12/2026 DD 02/12/21	592,458	645,800
		GOLDMAN SACHS GROUP INC/THEVAR RT 03/09/2027 DD 03/08/21	228,669	230,395
		GOLDMAN SACHS GROUP INC/THEVAR RT 10/21/2027 DD 10/21/21	127,788	128,081
		GOLDMAN SACHS GROUP INC/THEVAR RT 10/23/2035 DD 10/23/24	390,000	373,487
		GOLDMAN SACHS GROUP INC/THEVAR RT 10/31/2038 DD 10/31/17	8,160,248	6,779,341
		GOLDMAN SACHS GROUP INC/THEVAR RT 11/19/2045 DD 11/19/24	2,650,000	2,561,543
		GOODMAN US FINANCE FOUR L 144A4.500% 10/15/2037 DD 09/27/17	361,421	318,289
		GREAT-WEST LIFECO FINANCE 144A4.150% 06/03/2047 DD 05/26/17	638,964	509,559
		GREENSAIF PIPELINES BIDCO 144A6.103% 08/23/2042 DD 07/31/24	630,000	614,256

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Corporate Obligations (Continued)				
	GREENSAIF PIPELINES BIDCO 144A6.510% 02/23/2042 DD 02/23/23		\$ 356,054	\$ 349,564
	GRUPO BIMBO SAB DE CV 144A4.700% 11/10/2047 DD 11/10/17		859,924	607,367
	HCA INC4.625% 03/15/2052 DD 03/15/23		337,138	264,914
	HCA INC5.250% 06/15/2049 DD 06/12/19		1,716,413	1,317,216
	HCA INC5.375% 09/01/2026 DD 08/23/18		256,486	258,769
	HCA INC5.500% 06/15/2047 DD 06/22/17		653,238	491,848
	HCA INC6.000% 04/01/2054 DD 02/23/24		328,096	314,830
	HEALTH CARE SERVICE CORP 144A5.450% 06/15/2034 DD 06/10/24		293,100	293,994
	HEALTH CARE SERVICE CORP 144A5.875% 06/15/2054 DD 06/10/24		403,749	392,688
	HERSHEY CO/THE3.125% 11/15/2049 DD 10/31/19		209,830	139,810
	HESS CORP5.800% 04/01/2047 DD 09/28/16		451,981	440,981
	HESS CORP6.000% 01/15/2040 DD 12/14/09		249,011	276,111
	HEWLETT PACKARD ENTERPRISE CO4.550% 10/15/2029 DD 09/26/24		249,735	243,800
	HEWLETT PACKARD ENTERPRISE CO5.600% 10/15/2054 DD 09/26/24		676,394	650,725
	HOME DEPOT INC/THE2.375% 03/15/2051 DD 01/07/21		325,565	187,097
	HOME DEPOT INC/THE3.125% 12/15/2049 DD 01/13/20		376,673	236,041
	HOME DEPOT INC/THE3.300% 04/15/2040 DD 03/30/20		857,336	674,544
	HOME DEPOT INC/THE3.350% 04/15/2050 DD 03/30/20		1,393,789	951,112
	HOME DEPOT INC/THE3.625% 04/15/2052 DD 03/28/22		381,666	283,019
	HOME DEPOT INC/THE4.200% 04/01/2043 DD 04/05/13		1,846,521	1,502,325
	HOME DEPOT INC/THE4.500% 12/06/2048 DD 12/06/18		58,598	38,486
	HOME DEPOT INC/THE4.850% 06/25/2031 DD 06/25/24		306,136	307,960
	HOME DEPOT INC/THE5.300% 06/25/2054 DD 06/25/24		1,495,744	1,448,377
	HOME DEPOT INC/THE5.400% 06/25/2064 DD 06/25/24		83,550	81,606
	HOME DEPOT INC/THE5.875% 12/16/2036 DD 12/19/06		650,545	489,464
	HONEYWELL INTERNATIONAL INC4.950% 09/01/2031 DD 03/01/24		240,566	241,135
	HONEYWELL INTERNATIONAL INC5.000% 03/01/2035 DD 03/01/24		471,053	460,877
	HONEYWELL INTERNATIONAL INC5.250% 03/01/2054 DD 03/01/24		1,955,590	1,838,735
	HONEYWELL INTERNATIONAL INC5.350% 03/01/2064 DD 03/01/24		498,770	469,690

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Corporate Obligations (Continued)				
	HOWMET AEROSPACE INC	3.000% 01/15/2029 DD 09/01/21	\$ 339,340	\$ 348,951
	HSBC HOLDINGS PLC	6.500% 09/15/2037 DD 09/12/07	1,868,333	1,896,125
	HSBC HOLDINGS PLC	6.500% 09/15/2037 DD 09/15/22	674,960	510,595
	HSBC HOLDINGS PLC	6.800% 06/01/2038 DD 05/27/08	268,904	235,541
	HSBC HOLDINGS PLC	7.625% 05/17/2032 DD 05/17/22	957,684	816,755
	HSBC HOLDINGS PLC	VAR RT 03/09/2044 DD 03/09/23	1,560,000	1,648,218
	HSBC HOLDINGS PLC	VAR RT 05/22/2030 DD 05/22/19	76,391	75,513
	HSBC HOLDINGS PLC	VAR RT 06/19/2029 DD 06/19/18	3,000,000	2,938,890
	HSBC HOLDINGS PLC	VAR RT 11/13/2034 DD 11/13/23	873,005	923,993
	HSBC HOLDINGS PLC	VAR RT 11/18/2035 DD 11/18/24	990,000	965,715
	HSBC USA INC	5.625% 03/17/2025 DD 03/17/23	4,482,367	4,498,217
	HUMANA INC	4.950% 10/01/2044 DD 09/19/14	136,095	102,036
	HUNGARY GOVERNMENT	INTERN 144A 5.500% 03/26/2036 DD 01/10/24	205,554	196,499
	HUNTINGTON BANCSHARES INC	/OHVAR RT 01/15/2031 DD 11/18/24	300,000	300,420
	HYUNDAI CAPITAL AMERICA	144A 4.550% 09/26/2029 DD 09/26/24	199,946	194,150
	HYUNDAI CAPITAL AMERICA	144A 5.350% 03/19/2029 DD 03/19/24	267,745	269,351
	HYUNDAI CAPITAL AMERICA	144A 5.680% 06/26/2028 DD 06/26/23	5,655,743	5,640,898
	HYUNDAI CAPITAL AMERICA	144A 6.000% 07/11/2025 DD 07/11/23	1,567,410	1,580,205
	IBM INTERNATIONAL CAPITAL	PTE 5.250% 02/05/2044 DD 02/05/24	941,182	896,153
	IBM INTERNATIONAL CAPITAL	PTE 5.300% 02/05/2054 DD 02/05/24	571,751	531,340
	INGERSOLL RAND INC	5.176% 06/15/2029 DD 05/10/24	216,246	218,214
	INTEL CORP	2.800% 08/12/2041 DD 08/12/21	125,816	79,765
	INTEL CORP	3.050% 08/12/2051 DD 08/12/21	490,430	379,649
	INTEL CORP	3.100% 02/15/2060 DD 02/13/20	869,234	468,256
	INTEL CORP	3.250% 11/15/2049 DD 11/21/19	817,605	651,678
	INTEL CORP	3.734% 12/08/2047 DD 06/08/18	1,350,485	1,089,363
	INTEL CORP	4.900% 08/05/2052 DD 08/05/22	214,564	170,007
	INTEL CORP	5.900% 02/10/2063 DD 02/10/23	321,868	284,650
	INTERCONTINENTAL EXCHANGE INC	2.650% 09/15/2040 DD 08/20/20	303,742	212,826

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	INTERCONTINENTAL EXCHANGE INC3.000% 09/15/2060 DD 08/20/20	\$ 636,413	\$ 373,491	
	INTERCONTINENTAL EXCHANGE INC4.950% 06/15/2052 DD 05/23/22	624,852	566,338	
	INTERCONTINENTAL EXCHANGE INC5.200% 06/15/2062 DD 05/23/22	103,115	90,983	
	INTERNATIONAL BUSINESS MACHINE3.430% 02/09/2052 DD 02/09/22	524,900	358,722	
	INTERNATIONAL BUSINESS MACHINE4.000% 06/20/2042 DD 06/20/12	368,088	335,224	
	INTESA SANPAOLO SPA 144A6.625% 06/20/2033 DD 06/20/23	1,029,331	1,077,329	
	INTESA SANPAOLO SPA 144A7.800% 11/28/2053 DD 11/28/23	788,183	884,737	
	INTUIT INC5.500% 09/15/2053 DD 09/15/23	530,570	524,691	
	ISRAEL GOVERNMENT INTERNATIONAL4.125% 01/17/2048 DD 01/17/18	1,027,740	780,421	
	ISRAEL GOVERNMENT INTERNATIONAL5.750% 03/12/2054 DD 03/12/24	497,094	473,530	
	ITC HOLDINGS CORP 144A5.650% 05/09/2034 DD 05/09/24	65,916	66,472	
	ITC HOLDINGS CORP5.300% 07/01/2043 DD 07/03/13	1,291,129	1,198,100	
	JBS USA HOLDING LUX SARL/ JBS3.000% 02/02/2029 DD 08/02/23	389,687	400,447	
	JBS USA HOLDING LUX SARL/ JBS7.250% 11/15/2053 DD 11/15/24	236,530	253,416	
	JEFFERIES FINANCIAL GROUP INC2.625% 10/15/2031 DD 10/08/21	163,176	172,901	
	JOHN HANCOCK MUT LIFE CONT #11CAC	1	1	
	JOHNSON & JOHNSON2.100% 09/01/2040 DD 08/25/20	283,105	189,619	
	JOHNSONVILLE AERODERIVATIVE CO5.078% 10/01/2054 DD 10/02/24	795,000	763,494	
	JPMORGAN CHASE & CO5.600% 07/15/2041 DD 07/21/11	1,642,573	1,539,686	
	JPMORGAN CHASE & COVAR RT 01/23/2035 DD 01/23/24	1,666,557	1,672,306	
	JPMORGAN CHASE & COVAR RT 01/23/2049 DD 01/23/18	1,484,362	1,000,766	
	JPMORGAN CHASE & COVAR RT 02/01/2028 DD 02/01/17	352,351	362,182	
	JPMORGAN CHASE & COVAR RT 02/04/2032 DD 02/04/21	76,189	74,614	
	JPMORGAN CHASE & COVAR RT 02/24/2028 DD 02/24/22	78,674	80,816	
	JPMORGAN CHASE & COVAR RT 04/22/2027 DD 04/22/21	1,045,827	1,131,687	
	JPMORGAN CHASE & COVAR RT 04/22/2035 DD 04/22/24	670,000	685,531	
	JPMORGAN CHASE & COVAR RT 04/22/2041 DD 04/22/20	834,244	671,519	

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Corporate Obligations (Continued)				
	JPMORGAN CHASE & COVAR RT 04/26/2028 DD 04/26/22	\$ 69,462	\$ 69,156	
	JPMORGAN CHASE & COVAR RT 06/01/2029 DD 06/01/21	127,355	129,977	
	JPMORGAN CHASE & COVAR RT 07/22/2028 DD 07/22/24	160,000	160,536	
	JPMORGAN CHASE & COVAR RT 07/22/2035 DD 07/22/24	1,145,000	1,132,783	
	JPMORGAN CHASE & COVAR RT 07/24/2038 DD 07/24/17	3,520,713	2,924,471	
	JPMORGAN CHASE & COVAR RT 07/24/2048 DD 07/24/17	1,830,483	1,421,154	
	JPMORGAN CHASE & COVAR RT 10/15/2030 DD 09/12/19	41,000	40,535	
	JPMORGAN CHASE & COVAR RT 10/22/2035 DD 10/22/24	295,000	284,179	
	JPMORGAN CHASE & COVAR RT 10/23/2034 DD 10/23/23	38,226	36,997	
	JPMORGAN CHASE & COVAR RT 11/29/2045 DD 11/29/24	4,072,075	3,966,458	
	KAISER FOUNDATION HOSPITALS2.810% 06/01/2041 DD 06/15/21	800,000	566,744	
	KAISER FOUNDATION HOSPITALS3.002% 06/01/2051 DD 06/15/21	111,907	74,798	
	KAISER FOUNDATION HOSPITALS4.150% 05/01/2047 DD 05/03/17	535,260	351,086	
	KANSAS GAS SERVICE SECURITIZAT5.486% 08/01/2034 DD 11/18/22	211,195	214,959	
	KELLANOVA5.750% 05/16/2054 DD 05/16/24	738,527	739,312	
	KENVUE INC5.050% 03/22/2053 DD 09/22/23	188,780	176,381	
	KENVUE INC5.100% 03/22/2043 DD 09/22/23	244,361	235,247	
	KENVUE INC5.200% 03/22/2063 DD 09/22/23	828,043	759,041	
	KEYSPAN GAS EAST CORP 144A3.586% 01/18/2052 DD 01/18/22	490,000	325,693	
	KINDER MORGAN ENERGY PARTNERS5.500% 03/01/2044 DD 02/24/14	621,244	560,938	
	KINDER MORGAN ENERGY PARTNERS6.500% 02/01/2037 DD 01/30/07	248,214	225,817	
	KINDER MORGAN ENERGY PARTNERS6.950% 01/15/2038 DD 06/21/07	536,552	477,167	
	KINDER MORGAN INC5.550% 06/01/2045 DD 11/26/14	1,904,226	1,807,987	
	KLA CORP3.300% 03/01/2050 DD 02/28/20	148,109	145,286	
	KLA CORP4.950% 07/15/2052 DD 06/23/22	794,654	730,012	
	KOREA DEVELOPMENT BANK/THE4.000% 09/08/2025 DD 09/08/22	184,700	183,757	
	KOREA NATIONAL OIL CORP 144A4.875% 04/03/2027 DD 04/03/24	149,043	150,305	

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Corporate Obligations (Continued)				
	KRAFT HEINZ FOODS CO4.375% 06/01/2046 DD 05/24/16	\$ 196,482	\$ 178,152	
	KRAFT HEINZ FOODS CO4.875% 10/01/2049 DD 10/01/20	278,533	256,821	
	KRAFT HEINZ FOODS CO5.200% 07/15/2045 DD 07/15/16	176,824	162,803	
	KRATON CORP 144A5.000% 07/15/2027 DD 07/15/24	4,021,448	4,064,499	
	KROGER CO/THE4.450% 02/01/2047 DD 01/24/17	207,955	197,693	
	KROGER CO/THE5.500% 09/15/2054 DD 08/27/24	234,032	221,619	
	KROGER CO/THE5.650% 09/15/2064 DD 08/27/24	1,901,501	1,799,010	
	L3HARRIS TECHNOLOGIES INC2.900% 12/15/2029 DD 11/27/19	117,136	112,944	
	LABORATORY CORP OF AMERICA HOL2.950% 12/01/2029 DD 11/25/19	109,002	108,898	
	LABORATORY CORP OF AMERICA HOL4.350% 04/01/2030 DD 09/23/24	24,983	24,124	
	LG ELECTRONICS INC 144A5.625% 04/24/2027 DD 04/24/24	69,720	70,798	
	LLOYDS BANKING GROUP PLCVAR RT 11/07/2028 DD 11/07/17	96,017	96,061	
	LOCKHEED MARTIN CORP4.070% 12/15/2042 DD 12/14/12	4,048,855	3,225,690	
	LOCKHEED MARTIN CORP4.090% 09/15/2052 DD 09/07/17	725,141	621,736	
	LOCKHEED MARTIN CORP5.200% 02/15/2055 DD 05/25/23	683,500	645,626	
	LOCKHEED MARTIN CORP5.200% 02/15/2064 DD 01/29/24	289,069	269,688	
	LOCKHEED MARTIN CORP5.900% 11/15/2063 DD 10/24/22	292,460	308,682	
	LOCKHEED MARTIN CORP6.150% 09/01/2036 DD 08/30/06	1,348,511	997,132	
	LOWE'S COS INC4.050% 05/03/2047 DD 05/03/17	2,432,424	1,881,262	
	LOWE'S COS INC4.250% 09/15/2044 DD 09/10/14	48,507	32,550	
	LOWE'S COS INC5.000% 04/15/2040 DD 03/26/20	1,065,003	1,001,167	
	LPL HOLDINGS INC 144A4.375% 05/15/2031 DD 05/18/21	70,205	69,193	
	LSEG US FIN CORP 144A4.875% 03/28/2027 DD 03/28/24	69,663	70,146	
	MARKEL GROUP INC5.000% 04/05/2046 DD 04/05/16	379,995	336,300	
	MARS INC 144A4.750% 04/20/2033 DD 04/20/23	140,777	136,040	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	MARSH & MCLENNAN COS INC2.375% 12/15/2031 DD 12/08/21	\$ 101,031	\$ 96,456	
	MARSH & MCLENNAN COS INC4.650% 03/15/2030 DD 11/08/24	209,001	207,377	
	MARSH & MCLENNAN COS INC4.750% 03/15/2039 DD 01/15/19	746,652	583,443	
	MARSH & MCLENNAN COS INC4.900% 03/15/2049 DD 01/15/19	1,393,507	1,250,366	
	MARSH & MCLENNAN COS INC5.000% 03/15/2035 DD 11/08/24	1,093,139	1,069,344	
	MARTIN MARIETTA MATERIALS INC5.150% 12/01/2034 DD 11/04/24	297,798	294,555	
	MASS GENERAL BRIGHAM INC3.342% 07/01/2060 DD 01/29/20	212,457	208,100	
	MASSACHUSETTS INSTITUTE OF TEC2.989% 07/01/2050 DD 12/20/19	400,093	269,352	
	MASSACHUSETTS MUTUAL LIFE 144A3.375% 04/15/2050 DD 04/16/20	134,444	90,262	
	MASSACHUSETTS MUTUAL LIFE 144A3.729% 10/15/2070 DD 10/11/19	625,202	429,422	
	MASSACHUSETTS MUTUAL LIFE 144A4.900% 04/01/2077 DD 03/23/17	696,129	420,644	
	MASTERCARD INC2.950% 03/15/2051 DD 03/04/21	163,437	106,775	
	MASTERCARD INC3.850% 03/26/2050 DD 03/26/20	180,949	143,371	
	MCDONALD'S CORP3.625% 09/01/2049 DD 08/12/19	609,263	440,390	
	MCDONALD'S CORP4.450% 03/01/2047 DD 03/09/17	1,962,150	1,508,159	
	MCDONALD'S CORP4.450% 09/01/2048 DD 08/15/18	214,429	146,088	
	MCDONALD'S CORP4.600% 05/26/2045 DD 05/26/15	1,052,460	876,680	
	MCDONALD'S CORP6.300% 10/15/2037 DD 10/18/07	673,206	542,678	
	MEAD JOHNSON NUTRITION CO4.600% 06/01/2044 DD 05/13/14	491,031	393,475	
	MEDTRONIC INC4.375% 03/15/2035 DD 03/15/15	695,801	659,627	
	MEMORIAL SLOAN-KETTERING CANCER2.955% 01/01/2050 DD 06/16/20	625,000	410,325	
	MERCEDES-BENZ FINANCE NOR 144A5.100% 11/15/2029 DD 11/15/24	179,867	179,545	
	MERCK & CO INC2.450% 06/24/2050 DD 06/24/20	800,689	472,648	
	MERCK & CO INC2.750% 12/10/2051 DD 12/10/21	354,134	215,535	
	MERCK & CO INC2.900% 12/10/2061 DD 12/10/21	1,017,124	586,112	

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Corporate Obligations (Continued)				
	MERCK & CO INC4.150% 05/18/2043 DD 05/20/13	\$ 253,145	\$ 247,334	
	MERCK & CO INC4.900% 05/17/2044 DD 05/17/23	611,328	568,426	
	MERCK & CO INC5.000% 05/17/2053 DD 05/17/23	488,035	446,635	
	META PLATFORMS INC4.450% 08/15/2052 DD 08/09/22	1,059,946	1,051,079	
	META PLATFORMS INC5.400% 08/15/2054 DD 08/09/24	1,648,397	1,603,745	
	META PLATFORMS INC5.550% 08/15/2064 DD 08/09/24	2,790,311	2,731,466	
	META PLATFORMS INC5.600% 05/15/2053 DD 05/03/23	1,507,112	1,517,621	
	META PLATFORMS INC5.750% 05/15/2063 DD 05/03/23	483,555	490,573	
	METLIFE INC4.050% 03/01/2045 DD 03/05/15	347,712	260,458	
	METLIFE INC4.875% 11/13/2043 DD 11/13/13	884,446	808,814	
	METLIFE INC5.000% 07/15/2052 DD 07/11/22	484,171	439,638	
	METLIFE INC6.500% 12/15/2032 DD 12/10/02	595,469	596,377	
	METLIFE INCVAR RT 12/15/2044 DD 09/15/14	437,481	357,919	
	METROPOLITAN GAC #294	1	1	
	METROPOLITAN LIFE GLOBAL 144A1.875% 01/11/2027 DD 01/11/22	103,400	109,835	
	METROPOLITAN LIFE GLOBAL 144A2.950% 04/09/2030 DD 04/09/20	213,223	216,958	
	METROPOLITAN LIFE INS GAC #304	1	1	
	MEXICO GOVERNMENT INTERNATIONAL3.500% 02/12/2034 DD 01/12/22	24,540	23,866	
	MEXICO GOVERNMENT INTERNATIONAL3.771% 05/24/2061 DD 11/24/20	2,988,000	1,691,059	
	MEXICO GOVERNMENT INTERNATIONAL4.400% 02/12/2052	1,718,204	1,164,974	
	MEXICO GOVERNMENT INTERNATIONAL4.400% 02/12/2052 DD 01/12/22	1,802,869	1,222,384	
	MEXICO GOVERNMENT INTERNATIONAL4.750% 03/08/2044 DD 03/08/12	1,369,908	1,048,606	
	MEXICO GOVERNMENT INTERNATIONAL5.000% 04/27/2051	327,759	236,397	
	MEXICO GOVERNMENT INTERNATIONAL5.000% 04/27/2051 DD 04/27/20	577,605	480,301	
	MEXICO GOVERNMENT INTERNATIONAL6.000% 05/07/2036 DD 01/08/24	400,800	376,412	
	MEXICO GOVERNMENT INTERNATIONAL6.338% 05/04/2053	1,091,015	987,695	
	MEXICO GOVERNMENT INTERNATIONAL6.338% 05/04/2053 DD 04/28/23	199,996	177,964	
	MEXICO GOVERNMENT INTERNATIONAL6.400% 05/07/2054 DD 01/08/24	1,093,866	980,562	

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Corporate Obligations (Continued)				
	MICROSOFT CORP2.500% 09/15/2050 DD 03/15/24	\$ 336,929	\$ 336,380	
	MICROSOFT CORP2.525% 06/01/2050 DD 06/01/20	3,031,189	1,851,780	
	MICROSOFT CORP2.921% 03/17/2052 DD 03/17/21	2,168,294	1,511,412	
	MICROSOFT CORP3.450% 08/08/2036 DD 08/08/16	911,459	797,898	
	MICROSOFT CORP4.100% 02/06/2037 DD 02/06/17	384,165	359,617	
	MIDAMERICAN ENERGY CO4.250% 07/15/2049 DD 01/09/19	2,541,046	1,689,022	
	MIDAMERICAN ENERGY CO4.400% 10/15/2044 DD 04/03/14	303,167	260,854	
	MIDAMERICAN ENERGY CO5.750% 11/01/2035 DD 11/01/05	1,466,140	1,268,240	
	MIZUHO FINANCIAL GROUP INCVAR RT 07/10/2030 DD 07/10/24	300,000	302,937	
	MORGAN STANLEY BANK NAVAR RT 01/14/2028 DD 01/18/24	250,000	250,338	
	MORGAN STANLEY BANK NAVAR RT 05/26/2028 DD 05/30/24	673,256	679,340	
	MORGAN STANLEY6.375% 07/24/2042 DD 07/24/12	767,757	659,886	
	MORGAN STANLEYVAR RT 01/18/2035 DD 01/18/24	550,000	546,981	
	MORGAN STANLEYVAR RT 01/19/2038 DD 01/19/23	185,748	185,505	
	MORGAN STANLEYVAR RT 01/22/2031 DD 01/22/20	67,748	66,644	
	MORGAN STANLEYVAR RT 02/07/2039 DD 02/07/24	75,000	75,352	
	MORGAN STANLEYVAR RT 04/19/2035 DD 04/19/24	904,912	918,783	
	MORGAN STANLEYVAR RT 04/20/2028 DD 04/20/22	332,857	345,918	
	MORGAN STANLEYVAR RT 04/28/2026 DD 04/28/20	753,392	774,026	
	MORGAN STANLEYVAR RT 04/28/2032 DD 01/25/21	16,785	16,362	
	MORGAN STANLEYVAR RT 07/22/2038 DD 07/24/17	4,889,609	3,905,264	
	MORGAN STANLEYVAR RT 09/16/2036 DD 09/16/21	106,285	105,756	
	MORGAN STANLEYVAR RT 10/18/2033 DD 10/18/22	528,390	529,065	
	MORGAN STANLEYVAR RT 11/19/2055 DD 11/20/24	770,000	743,697	
	MOTOROLA SOLUTIONS INC2.300% 11/15/2030 DD 08/14/20	245,005	257,879	
	MPLX LP4.500% 04/15/2038 DD 02/08/18	487,138	429,817	
	MPLX LP4.950% 03/14/2052 DD 03/14/22	844,855	753,474	

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Corporate Obligations (Continued)				
		MPLX LP5.200% 12/01/2047 DD 12/01/19	\$ 156,108	\$ 132,755
		MYMICHIGAN HEALTH3.409% 06/01/2050 DD 10/28/20	410,000	285,643
		NARRAGANSETT ELECTRIC CO/ 144A5.638% 03/15/2040 DD 03/22/10	564,000	553,910
		NASDAQ INC5.950% 08/15/2053 DD 06/28/23	675,413	681,676
		NASDAQ INC6.100% 06/28/2063 DD 06/28/23	749,374	764,348
		NATIONAL BANK OF CANADA4.500% 10/10/2029 DD 10/10/24	187,207	184,861
		NATIONAL BANK OF CANADAVAR RT 07/02/2027 DD 07/03/24	29,981	30,333
		NATIONAL RURAL UTILITIES COOPE4.300% 03/15/2049 DD 01/31/19	382,261	254,948
		NATIONAL SECURITIES CLEAR 144A4.900% 06/26/2029 DD 06/26/24	194,649	195,252
		NATIONWIDE MUTUAL INSURAN 144A9.375% 08/15/2039 DD 08/10/09	1,706,963	1,261,824
		NATWEST GROUP PLCVAR RT 03/02/2027 DD 03/02/23	950,000	959,557
		NATWEST GROUP PLCVAR RT 05/08/2030 DD 05/08/19	48,794	48,221
		NATWEST GROUP PLCVAR RT 05/18/2029 DD 05/18/18	543,877	562,417
		NATWEST GROUP PLCVAR RT 11/10/2026 DD 11/10/22	912,000	930,933
		NBCUNIVERSAL MEDIA LLC4.450% 01/15/2043 DD 10/05/12	699,626	599,329
		NESTLE CAPITAL CORP 144A5.100% 03/12/2054 DD 03/12/24	1,365,616	1,292,129
		NESTLE HOLDINGS INC 144A3.900% 09/24/2038 DD 09/24/18	1,266,317	1,103,066
		NETFLIX INC 144A4.875% 06/15/2030 DD 10/25/19	284,707	292,653
		NETFLIX INC4.900% 08/15/2034 DD 08/01/24	149,421	147,105
		NETFLIX INC5.400% 08/15/2054 DD 08/01/24	608,719	596,470
		NEW YORK AND PRESBYTERIAN HOSP4.024% 08/01/2045 DD 02/05/15	646,597	534,193
		NEW YORK LIFE INSURANCE C 144A3.750% 05/15/2050 DD 04/14/20	443,275	324,750
		NEW YORK LIFE INSURANCE C 144A6.750% 11/15/2039 DD 10/08/09	1,978,750	1,702,392
		NEWMONT CORP / NEWCREST FINANC4.200% 05/13/2050 DD 05/13/24	850,827	662,478
		NEXTERA ENERGY CAPITAL HOLDING5.250% 02/28/2053 DD 02/09/23	559,726	514,763
		NEXTERA ENERGY CAPITAL HOLDING5.749% 09/01/2025 DD 08/10/23	1,339,732	1,348,214
		NEXTERA ENERGY CAPITAL HOLDING6.051% 03/01/2025 DD 03/01/23	3,018,600	3,005,310

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	NIAGARA MOHAWK POWER CORP 144A5.664% 01/17/2054 DD 01/17/24	\$ 250,000	\$ 242,503	
	NIKE INC3.250% 03/27/2040 DD 03/27/20	239,013	192,980	
	NISOURCE INC5.000% 06/15/2052 DD 06/10/22	463,205	412,153	
	NNN REIT INC3.500% 04/15/2051 DD 03/10/21	205,096	141,522	
	NORFOLK SOUTHERN CORP3.050% 05/15/2050 DD 05/11/20	1,959,478	1,363,093	
	NORFOLK SOUTHERN CORP3.155% 05/15/2055 DD 05/15/20	971,118	773,259	
	NORFOLK SOUTHERN CORP3.400% 11/01/2049 DD 11/04/19	44,590	31,147	
	NORFOLK SOUTHERN CORP4.050% 08/15/2052 DD 02/15/18	136,672	134,495	
	NORFOLK SOUTHERN CORP4.150% 02/28/2048 DD 02/28/18	1,992,993	1,543,092	
	NORFOLK SOUTHERN CORP4.550% 06/01/2053 DD 06/13/22	164,975	138,435	
	NORFOLK SOUTHERN CORP5.350% 08/01/2054 DD 08/02/23	223,595	219,289	
	NORINCHUKIN BANK/THE 144A5.094% 10/16/2029 DD 10/16/24	1,140,000	1,134,916	
	NORTHERN NATURAL GAS CO 144A4.100% 09/15/2042 DD 08/27/12	967,330	847,703	
	NORTHERN NATURAL GAS CO 144A4.300% 01/15/2049 DD 07/17/18	281,141	276,241	
	NORTHERN STAR RESOURCES L 144A6.125% 04/11/2033 DD 04/11/23	75,236	77,812	
	NORTHERN STATES POWER CO/MN2.600% 06/01/2051 DD 06/15/20	470,966	286,901	
	NORTHERN STATES POWER CO/MN3.600% 09/15/2047 DD 09/13/17	119,276	81,366	
	NORTHROP GRUMMAN CORP3.200% 02/01/2027 DD 12/01/16	336,780	341,989	
	NORTHROP GRUMMAN CORP4.030% 10/15/2047 DD 10/13/17	745,157	514,594	
	NORTHROP GRUMMAN CORP4.750% 06/01/2043 DD 05/31/13	2,499,467	2,058,546	
	NORTHROP GRUMMAN CORP5.200% 06/01/2054 DD 01/31/24	2,853,941	2,664,937	
	NORTHWELL HEALTHCARE INC6.150% 11/01/2043 DD 09/17/13	976,891	808,354	
	NORTHWESTERN MUTUAL LIFE 144A3.450% 03/30/2051 DD 03/22/21	727,460	501,802	
	NORTHWESTERN MUTUAL LIFE 144A3.625% 09/30/2059 DD 09/20/19	1,876,621	1,245,417	
	NORTHWESTERN MUTUAL LIFE 144A3.850% 09/30/2047 DD 09/26/17	900,079	676,753	
	NORTHWESTERN UNIVERSITY2.640% 12/01/2050 DD 05/28/20	982,740	631,411	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	NOVARTIS CAPITAL CORP2.750% 08/14/2050 DD 02/14/20	\$ 229,623	\$ 149,310	
	NOVARTIS CAPITAL CORP4.200% 09/18/2034 DD 09/18/24	99,282	93,086	
	NOVARTIS CAPITAL CORP4.700% 09/18/2054 DD 09/18/24	719,539	636,494	
	NSTAR ELECTRIC CO4.400% 03/01/2044 DD 03/07/14	859,023	730,934	
	NSTAR ELECTRIC CO4.950% 09/15/2052 DD 09/15/22	221,609	201,935	
	NUTRIEN LTD4.125% 03/15/2035 DD 03/15/18	572,230	528,649	
	NVIDIA CORP3.500% 04/01/2040 DD 03/31/20	169,660	140,685	
	NVIDIA CORP3.500% 04/01/2050 DD 03/31/20	703,250	543,281	
	OCCIDENTAL PETROLEUM CORP6.050% 10/01/2054 DD 07/26/24	1,237,113	1,176,500	
	OCCIDENTAL PETROLEUM CORP6.625% 09/01/2030 DD 08/26/20	346,457	345,352	
	OGLETHORPE POWER CORP 144A5.800% 06/01/2054 DD 06/21/24	159,578	157,179	
	OGLETHORPE POWER CORP4.500% 04/01/2047 DD 04/01/23	443,024	364,985	
	OGLETHORPE POWER CORP5.050% 10/01/2048 DD 04/01/19	632,318	489,216	
	OGLETHORPE POWER CORP6.200% 12/01/2053 DD 12/05/23	275,878	288,803	
	OHIOHEALTH CORP2.297% 11/15/2031 DD 10/26/21	126,000	105,625	
	OKLAHOMA GAS AND ELECTRIC CO3.250% 04/01/2030 DD 04/01/20	71,683	74,265	
	ONCOR ELECTRIC DELIVERY C 144A4.650% 11/01/2029 DD 11/13/24	139,733	138,643	
	ONCOR ELECTRIC DELIVERY CO LLC2.700% 11/15/2051 DD 11/16/21	164,263	103,345	
	ONCOR ELECTRIC DELIVERY CO LLC3.750% 04/01/2045 DD 10/01/15	903,291	607,613	
	ONEOK INC4.450% 09/01/2049 DD 08/15/19	118,084	121,040	
	ONEOK INC5.700% 11/01/2054 DD 09/24/24	1,550,630	1,463,861	
	ONEOK INC5.850% 11/01/2064 DD 09/24/24	588,218	554,335	
	ONEOK INC6.625% 09/01/2053 DD 08/24/23	105,401	99,999	
	ONEOK INC7.150% 01/15/2051 DD 05/07/20	119,004	135,876	
	ONEOK PARTNERS LP6.125% 02/01/2041 DD 01/26/11	46,884	44,852	
	ONEOK PARTNERS LP6.850% 10/15/2037 DD 09/28/07	824,372	807,998	

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Corporate Obligations (Continued)				
		ORACLE CORP3.600% 04/01/2040 DD 04/01/20	\$ 2,898,019	\$ 2,197,853
		ORACLE CORP3.600% 04/01/2050 DD 04/01/20	1,495,920	1,000,641
		ORACLE CORP3.650% 03/25/2041 DD 03/24/21	662,261	663,485
		ORACLE CORP3.800% 11/15/2037 DD 11/09/17	1,895,149	1,433,105
		ORACLE CORP3.850% 04/01/2060 DD 04/01/20	547,883	378,560
		ORACLE CORP3.850% 07/15/2036 DD 07/07/16	2,371,034	1,947,984
		ORACLE CORP4.000% 11/15/2047 DD 11/09/17	2,414,052	1,678,380
		ORACLE CORP4.100% 03/25/2061 DD 03/24/21	980,246	752,567
		ORACLE CORP4.125% 05/15/2045 DD 05/05/15	3,495,755	2,775,198
		ORACLE CORP5.375% 09/27/2054 DD 09/27/24	363,974	336,380
		O'REILLY AUTOMOTIVE INC5.000% 08/19/2034 DD 08/19/24	209,542	203,866
		O'REILLY AUTOMOTIVE INC5.750% 11/20/2026 DD 11/20/23	197,909	201,417
		OTIS WORLDWIDE CORP3.112% 02/15/2040 DD 08/15/20	545,836	415,523
		OTIS WORLDWIDE CORP3.362% 02/15/2050 DD 08/15/20	221,512	151,635
		OVINTIV INC5.650% 05/15/2025 DD 05/31/23	1,749,895	1,754,095
		OWENS CORNING5.950% 06/15/2054 DD 05/31/24	301,722	286,999
		PACIFIC GAS AND ELECTRIC CO3.450% 07/01/2025 DD 07/02/20	582,300	605,242
		PACIFIC GAS AND ELECTRIC CO3.500% 08/01/2050 DD 06/19/20	1,421,808	1,060,442
		PACIFIC GAS AND ELECTRIC CO3.950% 12/01/2047 DD 11/29/17	512,636	385,127
		PACIFIC GAS AND ELECTRIC CO4.200% 06/01/2041 DD 03/11/21	603,233	493,620
		PACIFIC GAS AND ELECTRIC CO4.450% 04/15/2042 DD 04/16/12	3,801	4,149
		PACIFIC GAS AND ELECTRIC CO4.500% 07/01/2040 DD 07/02/20	597,070	609,183
		PACIFIC GAS AND ELECTRIC CO4.750% 02/15/2044 DD 02/21/14	15,679	17,090
		PACIFIC GAS AND ELECTRIC CO4.950% 07/01/2050 DD 07/02/20	2,368,796	2,013,486
		PACIFIC GAS AND ELECTRIC CO5.250% 03/01/2052 DD 02/18/22	499,413	458,490
		PACIFIC GAS AND ELECTRIC CO6.700% 04/01/2053 DD 03/30/23	90,802	100,790

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Corporate Obligations (Continued)				
	PACIFIC GAS AND ELECTRIC CO6.750%			
	01/15/2053 DD 01/06/23	\$ 693,463	\$ 770,535	
	PACIFIC LIFE INSURANCE CO 144AVAR RT			
	10/24/2067 DD 10/24/17	596,499	469,373	
	PACIFIC LIFECORP 144A5.400% 09/15/2052			
	DD 09/15/22	319,526	300,570	
	PACIFICORP2.700% 09/15/2030 DD 04/08/20	56,173	58,306	
	PANAMA GOVERNMENT INTERNATIONAL4.300%			
	04/29/2053 DD 04/29/13	1,002,414	593,369	
	PANAMA GOVERNMENT INTERNATIONAL4.500%			
	04/01/2056 DD 04/01/20	798,531	452,706	
	PANAMA GOVERNMENT INTERNATIONAL6.853%			
	03/28/2054 DD 03/28/23	555,000	472,943	
	PANAMA GOVERNMENT INTERNATIONAL6.875%			
	01/31/2036 DD 10/04/23	712,451	670,363	
	PARAMOUNT GLOBAL4.375% 03/15/2043 DD			
	03/15/13	390,451	312,599	
	PARAMOUNT GLOBAL4.850% 07/01/2042 DD			
	06/20/12	235,942	189,226	
	PARAMOUNT GLOBAL4.900% 08/15/2044 DD			
	08/19/14	275,885	181,850	
	PARAMOUNT GLOBAL4.950% 01/15/2031 DD			
	04/01/20	255,752	252,091	
	PARAMOUNT GLOBAL5.250% 04/01/2044 DD			
	03/11/14	305,828	291,683	
	PARAMOUNT GLOBAL5.850% 09/01/2043 DD			
	08/19/13	373,549	387,900	
	PARKER-HANNIFIN CORP4.000% 06/14/2049			
	DD 06/14/19	423,567	336,187	
	PARKER-HANNIFIN CORP4.200% 11/21/2034			
	DD 11/21/14	469,497	435,140	
	PARKER-HANNIFIN CORP4.450% 11/21/2044			
	DD 11/21/14	238,754	227,238	
	PEACEHEALTH OBLIGATED GROUP1.375%			
	11/15/2025 DD 10/08/20	61,479	64,922	
	PECO ENERGY CO3.000% 09/15/2049 DD			
	09/10/19	964,570	636,802	
	PECO ENERGY CO3.700% 09/15/2047 DD			
	09/18/17	419,633	281,261	
	PECO ENERGY CO5.250% 09/15/2054 DD			
	09/10/24	523,735	497,569	
	PEPSICO INC3.625% 03/19/2050 DD 03/19/20	552,081	413,830	
	PEPSICO INC5.250% 07/17/2054 DD 07/17/24	693,228	673,413	
	PERUVIAN GOVERNMENT INTERNATIONAL2.780%			
	12/01/2060 DD 12/01/20	694,291	367,850	
	PERUVIAN GOVERNMENT INTERNATIONAL5.375%			
	02/08/2035	180,450	172,832	
	PERUVIAN GOVERNMENT INTERNATIONAL5.375%			
	02/08/2035 DD 08/08/24	99,929	96,018	
	PERUVIAN GOVERNMENT INTERNATIONAL5.875%			
	08/08/2054	1,039,273	986,189	

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Corporate Obligations (Continued)				
		PETROLEOS MEXICANOS6.950% 01/28/2060 DD 07/28/20	\$ 1,050,223	\$ 712,087
		PETROLEOS MEXICANOS7.690% 01/23/2050 DD 07/23/20	1,028,041	735,638
		PFIZER INC3.900% 03/15/2039 DD 03/11/19	360,831	274,401
		PFIZER INC4.000% 12/15/2036 DD 11/21/16	790,224	615,321
		PFIZER INVESTMENT ENTERPRISES5.110% 05/19/2043 DD 05/19/23	739,900	709,760
		PFIZER INVESTMENT ENTERPRISES5.300% 05/19/2053 DD 05/19/23	2,282,403	2,147,562
		PFIZER INVESTMENT ENTERPRISES5.340% 05/19/2063 DD 05/19/23	1,856,061	1,792,908
		PG&E ENERGY RECOVERY FUNDING L2.822% 07/15/2048 DD 11/12/21	609,972	428,122
		PG&E WILDFIRE RECOVERY FUNDING3.594% 06/01/2032 DD 05/10/22	437,968	433,343
		PG&E WILDFIRE RECOVERY FUNDING4.674% 12/01/2053 DD 05/10/22	1,839,937	1,636,018
		PG&E WILDFIRE RECOVERY FUNDING5.099% 06/01/2054 DD 07/20/22	1,179,889	1,115,855
		PHARMACIA LLCVAR RT 12/01/2028 DD 12/01/99	112,667	111,619
		PHILIP MORRIS INTERNATIONAL IN3.875% 08/21/2042 DD 08/21/12	604,702	502,717
		PHILIP MORRIS INTERNATIONAL IN4.375% 11/01/2027 DD 11/01/24	129,042	128,886
		PHILIP MORRIS INTERNATIONAL IN4.375% 11/15/2041 DD 11/15/11	962,287	740,962
		PHILIP MORRIS INTERNATIONAL IN4.875% 11/15/2043 DD 11/12/13	562,876	480,492
		PHILIP MORRIS INTERNATIONAL IN4.900% 11/01/2034 DD 11/01/24	454,231	446,949
		PHILIP MORRIS INTERNATIONAL IN6.375% 05/16/2038 DD 05/16/08	815,450	681,036
		PHILIPPINE GOVERNMENT INTERNAT4.200% 03/29/2047 DD 03/29/22	502,000	404,155
		PHILLIPS 66 CO4.900% 10/01/2046 DD 04/01/23	590,674	509,594
		PHILLIPS 663.300% 03/15/2052 DD 11/15/21	1,643,685	1,177,527
		PHILLIPS 664.650% 11/15/2034 DD 11/17/14	1,427,178	1,347,477
		PIEDMONT HEALTHCARE INC2.864% 01/01/2052 DD 09/15/21	535,000	330,293
		PINNACLE WEST CAPITAL CORP1.300% 06/15/2025 DD 06/17/20	238,925	242,853
		POLAR TANKERS INC 144A5.951% 05/10/2037 DD 05/10/07	107,353	107,958
		PPL CAPITAL FUNDING INC5.250% 09/01/2034 DD 08/09/24	288,509	285,621
		PPL ELECTRIC UTILITIES CORP3.000% 10/01/2049 DD 09/06/19	447,388	269,608

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Corporate Obligations (Continued)				
	PPL ELECTRIC UTILITIES CORP4.125% 06/15/2044 DD 06/05/14	\$ 549,945	\$ 457,793	
	PPL ELECTRIC UTILITIES CORP4.850% 02/15/2034 DD 01/05/24	135,731	132,529	
	PRECISION CASTPARTS CORP4.375% 06/15/2045 DD 06/10/15	688,706	589,416	
	PROLOGIS LP5.250% 03/15/2054 DD 01/25/24	782,491	742,689	
	PROLOGIS LP5.250% 06/15/2053 DD 03/30/23	698,796	654,269	
	PUBLIC SERVICE CO OF COLORADO3.600% 09/15/2042 DD 09/11/12	281,039	198,916	
	PUBLIC SERVICE CO OF COLORADO4.300% 03/15/2044 DD 03/10/14	1,350,000	1,114,230	
	PUBLIC SERVICE CO OF COLORADO4.500% 06/01/2052 DD 05/17/22	502,072	434,669	
	PUBLIC SERVICE CO OF COLORADO5.250% 04/01/2053 DD 04/03/23	139,017	130,144	
	PUBLIC SERVICE CO OF NEW HAMPS3.600% 07/01/2049 DD 06/28/19	231,166	192,936	
	PUBLIC SERVICE ELECTRIC AND GA2.700% 05/01/2050 DD 05/08/20	1,040,736	638,568	
	PUBLIC SERVICE ELECTRIC AND GA4.050% 05/01/2048 DD 05/04/18	1,436,055	1,150,032	
	PUBLIC SERVICE ELECTRIC AND GA5.200% 08/01/2033 DD 08/07/23	211,724	212,142	
	PUBLIC SERVICE ELECTRIC AND GA5.300% 08/01/2054 DD 08/05/24	507,649	486,260	
	PUGET SOUND ENERGY INC3.250% 09/15/2049 DD 08/30/19	317,504	210,776	
	PUGET SOUND ENERGY INC4.300% 05/20/2045 DD 05/26/15	342,485	208,572	
	QUALCOMM INC4.300% 05/20/2047 DD 05/26/17	161,296	115,017	
	QUALCOMM INC4.500% 05/20/2052 DD 05/09/22	1,426,907	1,225,962	
	QUALCOMM INC4.800% 05/20/2045 DD 05/20/15	87,934	62,416	
	QUALCOMM INC6.000% 05/20/2053 DD 11/09/22	145,126	141,233	
	QUANTA SERVICES INC2.900% 10/01/2030 DD 09/22/20	443,500	397,456	
	QUANTA SERVICES INC3.050% 10/01/2041 DD 09/23/21	974,904	689,440	
	QUANTA SERVICES INC4.750% 08/09/2027 DD 08/09/24	1,976,396	1,977,129	
	REALTY INCOME CORP2.700% 02/15/2032 DD 08/15/23	114,092	115,469	
	REALTY INCOME CORP5.375% 09/01/2054 DD 08/26/24	314,797	304,250	

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Corporate Obligations (Continued)				
	REGENERON PHARMACEUTICALS INC	2.800% 09/15/2050 DD 08/12/20	\$ 409,417	\$ 366,098
	REGIONS FINANCIAL CORP	7.375% 12/10/2037 DD 12/10/07	462,274	425,509
	REGIONS FINANCIAL CORP	VAR RT 09/06/2035 DD 09/06/24	129,728	126,820
	REPUBLIC OF POLAND GOVERNMENT	5.500% 03/18/2054 DD 03/18/24	1,254,292	1,169,663
	REYNOLDS AMERICAN INC	5.700% 08/15/2035 DD 06/12/15	1,090,022	1,036,244
	REYNOLDS AMERICAN INC	5.850% 08/15/2045 DD 06/12/15	2,030,813	1,697,426
	RGA GLOBAL FUNDING 144A	5.050% 12/06/2031 DD 12/06/24	79,809	78,674
	RIO TINTO FINANCE USA PLC	4.125% 08/21/2042 DD 08/21/12	642,687	452,266
	RIO TINTO FINANCE USA PLC	5.125% 03/09/2053 DD 03/09/23	2,097,603	1,973,956
	ROCHE HOLDINGS INC 144A	2.607% 12/13/2051 DD 12/13/21	324,910	292,050
	ROCHE HOLDINGS INC 144A	5.218% 03/08/2054 DD 03/08/24	741,298	684,069
	ROCHE HOLDINGS INC 144A	5.593% 11/13/2033 DD 11/13/23	250,000	258,463
	ROGERS COMMUNICATIONS INC	4.500% 03/15/2042 DD 03/15/23	371,239	316,920
	ROGERS COMMUNICATIONS INC	4.550% 03/15/2052 DD 03/15/23	570,615	492,713
	ROPER TECHNOLOGIES INC	2.950% 09/15/2029 DD 08/26/19	45,644	46,589
	ROPER TECHNOLOGIES INC	4.500% 10/15/2029 DD 08/21/24	204,078	201,261
	ROYAL BANK OF CANADA	VAR RT 08/02/2030 DD 07/23/24	169,228	168,679
	ROYALTY PHARMA PLC	1.200% 09/02/2025 DD 03/02/21	686,948	739,247
	ROYALTY PHARMA PLC	3.300% 09/02/2040 DD 03/02/21	186,785	155,570
	ROYALTY PHARMA PLC	3.350% 09/02/2051 DD 07/26/21	1,257,715	861,482
	ROYALTY PHARMA PLC	3.550% 09/02/2050 DD 03/02/21	963,530	656,887
	ROYALTY PHARMA PLC	5.150% 09/02/2029 DD 06/10/24	195,345	194,485
	RTX CORP	2.375% 03/15/2032 DD 11/16/21	58,180	63,925
	RTX CORP	2.820% 09/01/2051 DD 08/10/21	1,286,303	899,204
	RTX CORP	3.500% 03/15/2027 DD 09/15/20	180,875	184,341
	RTX CORP	4.050% 05/04/2047 DD 05/04/17	615,508	424,499

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	RTX CORP4.200% 12/15/2044 DD 06/15/20	\$ 976,069	\$ 626,171	
	RTX CORP4.450% 11/16/2038 DD 08/16/18	1,090,606	884,769	
	RTX CORP4.800% 12/15/2043 DD 06/15/20	719,755	479,579	
	RTX CORP5.375% 02/27/2053 DD 02/27/23	2,260,968	2,154,106	
	RTX CORP6.400% 03/15/2054 DD 11/08/23	328,763	359,495	
	RWE FINANCE US LLC 144A6.250% 04/16/2054 DD 04/16/24	599,112	593,298	
	SALESFORCE INC2.900% 07/15/2051 DD 07/12/21	483,647	310,526	
	SAN DIEGO GAS & ELECTRIC CO2.950% 08/15/2051 DD 08/13/21	1,093,568	792,145	
	SAN DIEGO GAS & ELECTRIC CO3.700% 03/15/2052 DD 03/11/22	348,339	256,605	
	SAN DIEGO GAS & ELECTRIC CO4.100% 06/15/2049 DD 05/31/19	459,517	360,838	
	SAN DIEGO GAS & ELECTRIC CO5.550% 04/15/2054 DD 03/22/24	1,049,230	1,028,931	
	SANTANDER HOLDINGS USA INCVAR RT 05/31/2035 DD 05/31/24	97,918	99,619	
	SAUDI ARABIAN OIL CO 144A5.750% 07/17/2054 DD 07/17/24	536,047	514,377	
	SAUDI ARABIAN OIL CO 144A5.875% 07/17/2064 DD 07/17/24	400,960	373,032	
	SEMPRA3.800% 02/01/2038 DD 01/12/18	1,291,597	1,069,143	
	SES GLOBAL AMERICAS HOLDI 144A5.300% 03/25/2044 DD 03/25/14	718,296	560,629	
	SHELL FINANCE US INC3.750% 09/12/2046 DD 09/12/24	132,040	120,338	
	SHELL FINANCE US INC4.000% 05/10/2046 DD 05/10/24	103,686	94,082	
	SHELL FINANCE US INC4.375% 05/11/2045 DD 05/11/24	3,574,433	3,252,134	
	SHELL INTERNATIONAL FINANCE BV2.875% 11/26/2041 DD 11/26/21	556,649	413,899	
	SHELL INTERNATIONAL FINANCE BV3.000% 11/26/2051 DD 11/26/21	606,365	383,588	
	SHELL INTERNATIONAL FINANCE BV5.500% 03/25/2040 DD 03/25/10	1,144,636	848,309	
	SHELL INTERNATIONAL FINANCE BV6.375% 12/15/2038 DD 12/11/08	1,364,925	1,221,578	
	SHERWIN-WILLIAMS CO/THE4.500% 06/01/2047 DD 05/16/17	485,205	379,747	
	SIMON PROPERTY GROUP LP3.250% 09/13/2049 DD 09/13/19	688,076	470,967	
	SMBC AVIATION CAPITAL FIN 144A5.300% 04/03/2029 DD 04/03/24	205,776	200,614	
	SMURFIT KAPPA TREASURY UL 144A5.438% 04/03/2034 DD 04/03/24	300,367	299,796	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	SOCIETE GENERALE SA 144A5.250% 02/19/2027 DD 11/19/24	\$ 1,689,932	\$ 1,691,099	
	SOLVAY FINANCE AMERICA LL 144A5.850% 06/04/2034 DD 06/04/24	126,838	126,929	
	SOLVENTUM CORP 144A5.400% 03/01/2029 DD 02/27/24	351,797	349,883	
	SONOCO PRODUCTS CO4.450% 09/01/2026 DD 09/19/24	559,597	555,985	
	SONOCO PRODUCTS CO4.600% 09/01/2029 DD 09/19/24	99,941	97,363	
	SOUTH BOW USA INFRASTRUCT 144A4.911% 09/01/2027 DD 08/28/24	200,000	199,312	
	SOUTHERN CALIFORNIA EDISON CO3.450% 02/01/2052 DD 01/13/22	354,193	267,557	
	SOUTHERN CALIFORNIA EDISON CO3.600% 02/01/2045 DD 01/16/15	1,969,710	1,434,358	
	SOUTHERN CALIFORNIA EDISON CO3.650% 02/01/2050 DD 01/09/20	850,794	577,352	
	SOUTHERN CALIFORNIA EDISON CO3.900% 03/15/2043 DD 03/07/13	21,128	15,782	
	SOUTHERN CALIFORNIA EDISON CO4.000% 04/01/2047 DD 03/24/17	858,823	691,873	
	SOUTHERN CALIFORNIA EDISON CO4.125% 03/01/2048 DD 03/05/18	653,697	522,964	
	SOUTHERN CALIFORNIA EDISON CO4.400% 09/06/2026 DD 09/06/24	74,943	74,699	
	SOUTHERN CALIFORNIA EDISON CO4.500% 09/01/2040 DD 08/30/10	1,119,188	966,853	
	SOUTHERN CALIFORNIA EDISON CO4.875% 03/01/2049 DD 03/15/19	293,734	280,048	
	SOUTHERN CALIFORNIA EDISON CO5.350% 03/01/2026 DD 03/01/24	122,000	122,799	
	SOUTHERN CALIFORNIA EDISON CO5.350% 07/15/2035 DD 06/27/05	222,499	239,225	
	SOUTHERN CALIFORNIA EDISON CO5.450% 06/01/2052 DD 05/23/22	203,737	192,876	
	SOUTHERN CALIFORNIA EDISON CO5.550% 01/15/2037 DD 12/11/06	577,946	536,382	
	SOUTHERN CALIFORNIA EDISON CO5.625% 02/01/2036 DD 01/31/06	393,935	408,992	
	SOUTHERN CALIFORNIA EDISON CO5.875% 12/01/2053 DD 05/22/23	355,382	349,147	
	SOUTHERN CALIFORNIA EDISON CO5.950% 02/01/2038 DD 01/22/08	724,507	615,610	
	SOUTHERN CALIFORNIA EDISON CO6.050% 03/15/2039 DD 03/20/09	279,285	258,663	
	SOUTHERN CALIFORNIA GAS CO2.950% 04/15/2027 DD 03/14/22	126,356	131,794	
	SOUTHERN CALIFORNIA GAS CO3.950% 02/15/2050 DD 06/04/19	105,476	102,699	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	SOUTHERN CALIFORNIA GAS CO4.125% 06/01/2048 DD 05/15/18	\$ 419,811	\$ 279,513	
	SOUTHERN CALIFORNIA GAS CO4.300% 01/15/2049 DD 09/24/18	558,748	454,053	
	SOUTHERN CALIFORNIA GAS CO5.600% 04/01/2054 DD 03/18/24	320,393	318,620	
	SOUTHERN CALIFORNIA GAS CO6.350% 11/15/2052 DD 11/14/22	209,217	226,139	
	SOUTHERN CO GAS CAPITAL CORP3.150% 09/30/2051 DD 09/10/21	578,834	393,352	
	SOUTHERN CO GAS CAPITAL CORP3.950% 10/01/2046 DD 09/13/16	182,676	141,746	
	SOUTHERN CO GAS CAPITAL CORP4.400% 05/30/2047 DD 05/09/17	944,570	632,909	
	SOUTHERN CO/THE4.250% 07/01/2036 DD 05/24/16	202,145	182,450	
	SOUTHERN CO/THE4.400% 07/01/2046 DD 05/24/16	922,996	670,429	
	SOUTHERN POWER CO5.150% 09/15/2041 DD 09/22/11	1,140,901	882,791	
	SOUTHWESTERN PUBLIC SERVICE CO3.150% 05/01/2050 DD 05/18/20	258,953	168,675	
	SOUTHWESTERN PUBLIC SERVICE CO3.400% 08/15/2046 DD 08/12/16	866,064	596,363	
	SOUTHWESTERN PUBLIC SERVICE CO3.750% 06/15/2049 DD 06/18/19	148,109	109,124	
	SOUTHWESTERN PUBLIC SERVICE CO4.400% 11/15/2048 DD 11/05/18	814,711	665,381	
	SPECTRA ENERGY PARTNERS LP4.500% 03/15/2045 DD 03/12/15	54,593	56,790	
	SPIRE INC5.300% 03/01/2026 DD 02/12/24	189,981	190,903	
	SPRINT CAPITAL CORP8.750% 03/15/2032 DD 03/14/02	1,190,554	1,184,733	
	SPRINT SPECTRUM CO LLC / 144A4.738% 09/20/2029 DD 03/21/18	196,939	197,075	
	STANFORD HEALTH CARE3.310% 08/15/2030 DD 04/01/20	2,161,000	1,989,179	
	STARBUCKS CORP3.500% 11/15/2050 DD 05/07/20	1,692,686	1,242,840	
	STARBUCKS CORP4.450% 08/15/2049 DD 05/13/19	683,794	561,501	
	STEEL DYNAMICS INC3.250% 10/15/2050 DD 10/09/20	457,582	312,431	
	STRYKER CORP4.100% 04/01/2043 DD 03/25/13	305,600	254,346	
	STRYKER CORP4.375% 05/15/2044 DD 05/01/14	751,610	636,382	
	SUMITOMO MITSUI FINANCIAL GROU2.750% 01/15/2030 DD 01/15/20	162,179	160,672	
	SUNCOR ENERGY INC3.750% 03/04/2051 DD 03/04/21	120,803	112,336	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	SUNCOR ENERGY INC4.000% 11/15/2047 DD 11/15/17	\$ 741,742	\$ 504,982	
	SUNCOR ENERGY INC6.800% 05/15/2038 DD 05/15/08	156,340	128,852	
	SUNCOR ENERGY INC7.150% 02/01/2032 DD 01/29/02	384,697	382,592	
	SUTTER HEALTH3.161% 08/15/2040 DD 10/29/20	450,000	337,122	
	SUTTER HEALTH3.361% 08/15/2050 DD 10/29/20	191,081	140,096	
	SUTTER HEALTH5.164% 08/15/2033 DD 06/08/23	147,000	145,933	
	SYNCHRONY BANK5.625% 08/23/2027 DD 08/23/22	48,595	50,338	
	SYNCHRONY FINANCIAL2.875% 10/28/2031 DD 10/28/21	79,729	78,822	
	SYNCHRONY FINANCIAL5.150% 03/19/2029 DD 03/19/19	24,714	24,629	
	TAKEDA PHARMACEUTICAL CO LTD3.025% 07/09/2040 DD 07/09/20	557,601	400,461	
	TAKEDA PHARMACEUTICAL CO LTD5.650% 07/05/2044 DD 07/05/24	657,103	648,886	
	TAKEDA PHARMACEUTICAL CO LTD5.650% 07/05/2054 DD 07/05/24	353,474	342,948	
	TAKE-TWO INTERACTIVE SOFTWARE5.600% 06/12/2034 DD 06/12/24	516,560	503,845	
	TAPESTRY INC5.100% 03/11/2030 DD 12/11/24	199,752	197,722	
	TAPESTRY INC5.500% 03/11/2035 DD 12/11/24	364,504	354,911	
	TARGA RESOURCES CORP4.950% 04/15/2052 DD 04/06/22	580,200	502,513	
	TARGA RESOURCES CORP6.250% 07/01/2052 DD 07/07/22	192,346	194,869	
	TEACHERS INSURANCE & ANNU 144A4.270% 05/15/2047 DD 05/08/17	1,048,634	843,020	
	TEACHERS INSURANCE & ANNU 144A6.850% 12/16/2039 DD 12/16/09	81,896	90,976	
	TELEFONICA EMISIONES SA5.213% 03/08/2047 DD 03/08/17	721,534	629,626	
	TEXAS HEALTH RESOURCES3.372% 11/15/2051 DD 09/18/19	1,540,922	1,086,501	
	TEXAS HEALTH RESOURCES4.330% 11/15/2055 DD 05/05/15	568,907	461,561	
	TEXAS INSTRUMENTS INC5.000% 03/14/2053 DD 03/14/23	1,141,118	1,050,515	
	TEXAS INSTRUMENTS INC5.050% 05/18/2063 DD 05/18/23	2,600,664	2,374,075	
	TEXAS INSTRUMENTS INC5.150% 02/08/2054 DD 02/08/24	629,920	595,713	

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Corporate Obligations (Continued)				
	THE CAMPBELL'S COMPANY	5.200% 03/21/2029 DD 03/21/24	\$ 123,979	\$ 125,140
	TIME WARNER CABLE LLC	4.500% 09/15/2042 DD 08/10/12	832,218	670,907
	TIME WARNER CABLE LLC	5.500% 09/01/2041 DD 09/12/11	426,315	351,133
	TIME WARNER CABLE LLC	6.550% 05/01/2037 DD 04/09/07	1,145,738	1,150,159
	TIME WARNER CABLE LLC	6.750% 06/15/2039 DD 06/29/09	772,563	612,975
	TIME WARNER CABLE LLC	7.300% 07/01/2038 DD 06/19/08	482,978	425,783
	T-MOBILE USA INC	3.000% 02/15/2041 DD 02/15/21	1,984,297	1,617,504
	T-MOBILE USA INC	3.300% 02/15/2051 DD 02/15/21	434,100	287,383
	T-MOBILE USA INC	3.400% 10/15/2052 DD 04/15/22	2,772,406	2,005,620
	T-MOBILE USA INC	3.600% 11/15/2060 DD 05/15/21	494,601	324,517
	T-MOBILE USA INC	3.750% 04/15/2027 DD 04/15/21	294,654	293,058
	T-MOBILE USA INC	4.375% 04/15/2040 DD 04/15/21	1,882,182	1,675,952
	T-MOBILE USA INC	4.500% 04/15/2050 DD 04/15/21	100,571	82,929
	T-MOBILE USA INC	5.250% 06/15/2055 DD 09/26/24	1,137,503	1,036,955
	T-MOBILE USA INC	5.500% 01/15/2055 DD 01/12/24	954,007	899,696
	T-MOBILE USA INC	5.650% 01/15/2053 DD 09/15/22	882,655	858,485
	TORONTO-DOMINION BANK/THE	0.750% 01/06/2026 DD 01/06/21	62,032	62,528
	TORONTO-DOMINION BANK/THE	5.103% 01/09/2026 DD 01/10/23	55,262	55,255
	TOTALENERGIES CAPITAL INTERNAT	2.986% 06/29/2041 DD 06/29/20	133,424	104,206
	TOTALENERGIES CAPITAL INTERNAT	3.127% 05/29/2050 DD 05/29/20	3,750,312	2,685,458
	TOTALENERGIES CAPITAL INTERNAT	3.386% 06/29/2060 DD 06/29/20	401,045	285,045
	TOTALENERGIES CAPITAL INTERNAT	3.461% 07/12/2049 DD 07/10/19	230,000	161,886
	TOTALENERGIES CAPITAL SA	5.150% 04/05/2034 DD 04/05/24	136,000	135,442
	TOTALENERGIES CAPITAL SA	5.275% 09/10/2054 DD 09/10/24	470,410	444,490
	TOTALENERGIES CAPITAL SA	5.425% 09/10/2064 DD 09/10/24	682,512	635,080

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	TOTALENERGIES CAPITAL SA5.488% 04/05/2054 DD 04/05/24	\$ 1,017,895	\$ 974,481	
	TOTALENERGIES CAPITAL SA5.638% 04/05/2064 DD 04/05/24	1,335,000	1,279,050	
	TOYOTA MOTOR CREDIT CORP4.350% 10/08/2027 DD 10/10/24	59,977	59,573	
	TOYOTA MOTOR CREDIT CORP5.550% 11/20/2030 DD 11/20/23	91,675	91,698	
	TRANE TECHNOLOGIES FINANCING L4.500% 03/21/2049 DD 03/21/19	843,160	618,322	
	TRANSCANADA PIPELINES LTD6.200% 10/15/2037 DD 10/05/07	2,629,673	2,180,396	
	TRANSCANADA PIPELINES LTD7.250% 08/15/2038 DD 08/11/08	556,581	550,461	
	TRANSCANADA TRUSTVAR RT 03/15/2077 DD 03/02/17	598,500	547,052	
	TRANSCONTINENTAL GAS PIPE LINE7.850% 02/01/2026 DD 08/01/16	204,450	199,881	
	TRITON CONTAINER INTERNAT 144A3.150% 06/15/2031 DD 06/07/21	42,187	41,601	
	TRUIST FINANCIAL CORPVAR RT 01/26/2034 DD 01/26/23	340,000	330,446	
	TRUIST FINANCIAL CORPVAR RT 06/08/2034 DD 06/08/23	920,000	936,882	
	TRUSTEES OF BOSTON COLLEGE3.129% 07/01/2052 DD 10/24/19	366,000	248,324	
	TSMC ARIZONA CORP3.125% 10/25/2041 DD 10/25/21	578,553	447,800	
	TYSON FOODS INC5.100% 09/28/2048 DD 09/28/18	194,384	195,490	
	UBER TECHNOLOGIES INC4.300% 01/15/2030 DD 09/09/24	79,974	77,393	
	UBER TECHNOLOGIES INC5.350% 09/15/2054 DD 09/09/24	249,515	232,478	
	UBS AG/STAMFORD CT7.500% 02/15/2028 DD 01/09/23	249,428	267,718	
	UBS GROUP AG 144AVAR RT 02/02/2027 DD 02/02/21	106,741	115,312	
	UBS GROUP AG 144AVAR RT 07/15/2026 DD 08/12/22	250,805	251,785	
	UBS GROUP AG 144AVAR RT 08/10/2027 DD 08/10/21	417,190	435,211	
	UBS GROUP AG 144AVAR RT 09/22/2034 DD 09/22/23	646,297	659,087	
	UBS GROUP AG 144AVAR RT 12/22/2027 DD 09/22/23	2,860,000	2,935,046	
	UNICREDIT SPA 144AVAR RT 06/03/2032 DD 06/03/21	1,230,000	1,068,021	
	UNION ELECTRIC CO4.000% 04/01/2048 DD 04/06/18	1,467,618	1,146,182	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	UNION ELECTRIC CO5.250% 01/15/2054 DD 01/09/24	\$ 615,455	\$ 578,962	
	UNION ELECTRIC CO5.450% 03/15/2053 DD 03/13/23	758,434	728,635	
	UNION PACIFIC CORP3.250% 02/05/2050 DD 01/31/20	854,782	618,785	
	UNION PACIFIC CORP3.500% 02/14/2053 DD 02/14/22	608,621	430,508	
	UNION PACIFIC CORP3.799% 04/06/2071 DD 04/06/21	2,233,065	1,424,097	
	UNION PACIFIC CORP3.839% 03/20/2060 DD 03/20/20	453,232	307,454	
	UNION PACIFIC CORP4.100% 09/15/2067 DD 09/19/17	288,833	269,034	
	UNITED AIRLINES 2024-1 CLASS A5.450% 08/15/2038 DD 08/05/24	860,000	861,247	
	UNITED PARCEL SERVICE INC3.750% 11/15/2047 DD 11/14/17	379,046	287,842	
	UNITED PARCEL SERVICE INC5.050% 03/03/2053 DD 02/27/23	999,754	922,811	
	UNITED PARCEL SERVICE INC5.200% 04/01/2040 DD 03/24/20	427,932	419,216	
	UNITED PARCEL SERVICE INC5.600% 05/22/2064 DD 05/22/24	606,047	592,395	
	UNITEDHEALTH GROUP INC2.750% 05/15/2040 DD 05/18/20	2,572,653	2,129,786	
	UNITEDHEALTH GROUP INC3.050% 05/15/2041 DD 05/19/21	1,700,304	1,251,690	
	UNITEDHEALTH GROUP INC3.500% 08/15/2039 DD 07/25/19	1,792,922	1,337,128	
	UNITEDHEALTH GROUP INC3.700% 08/15/2049 DD 07/25/19	828,441	597,395	
	UNITEDHEALTH GROUP INC3.875% 08/15/2059 DD 07/25/19	507,453	362,911	
	UNITEDHEALTH GROUP INC4.200% 01/15/2047 DD 12/20/16	724,547	590,461	
	UNITEDHEALTH GROUP INC4.250% 06/15/2048 DD 06/19/18	971,635	670,906	
	UNITEDHEALTH GROUP INC4.375% 03/15/2042 DD 03/08/12	220,631	188,422	
	UNITEDHEALTH GROUP INC4.750% 05/15/2052 DD 05/20/22	123,875	107,286	
	UNITEDHEALTH GROUP INC4.950% 05/15/2062 DD 05/20/22	227,746	198,538	
	UNITEDHEALTH GROUP INC5.050% 04/15/2053 DD 03/28/23	1,092,564	992,123	
	UNITEDHEALTH GROUP INC5.375% 04/15/2054 DD 03/21/24	912,383	859,212	
	UNITEDHEALTH GROUP INC5.500% 04/15/2064 DD 03/21/24	1,187,251	1,113,804	

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Corporate Obligations (Continued)				
	UNITEDHEALTH GROUP INC5.625% 07/15/2054 DD 07/25/24	\$ 2,117,289	\$ 2,061,742	
	UNITEDHEALTH GROUP INC5.750% 07/15/2064 DD 07/25/24	267,439	248,666	
	UNITEDHEALTH GROUP INC6.050% 02/15/2063 DD 10/28/22	647,271	669,718	
	UNITEDHEALTH GROUP INC6.500% 06/15/2037 DD 12/15/07	589,286	509,875	
	UNITEDHEALTH GROUP INC6.875% 02/15/2038 DD 02/07/08	306,181	285,979	
	UNUM GROUP4.500% 12/15/2049 DD 09/11/19	430,838	389,217	
	UPMC5.035% 05/15/2033 DD 04/12/23	215,000	211,283	
	URUGUAY GOVERNMENT INTERNATIONAL5.100% 06/18/2050 DD 06/18/14	2,072,836	1,756,058	
	US BANCORPVAR RT 02/01/2034 DD 02/01/23	1,715,000	1,642,044	
	US BANK NA/CINCINNATI OHVAR RT 10/22/2027 DD 10/22/24	114,473	114,358	
	VALE OVERSEAS LTD6.400% 06/28/2054 DD 06/28/24	435,642	431,647	
	VERALTO CORP5.350% 09/18/2028 DD 03/18/24	281,681	285,545	
	VERIZON COMMUNICATIONS INC2.650% 11/20/2040 DD 11/20/20	3,361,491	3,077,097	
	VERIZON COMMUNICATIONS INC2.875% 11/20/2050 DD 11/20/20	925,899	594,418	
	VERIZON COMMUNICATIONS INC2.987% 10/30/2056 DD 04/30/21	1,966,882	1,437,042	
	VERIZON COMMUNICATIONS INC3.700% 03/22/2061 DD 03/22/21	1,332,247	893,135	
	VERIZON COMMUNICATIONS INC3.850% 11/01/2042 DD 11/07/12	881,430	815,280	
	VERIZON COMMUNICATIONS INC4.125% 03/16/2027 DD 03/16/17	298,176	296,586	
	VERIZON COMMUNICATIONS INC4.500% 08/10/2033 DD 08/10/17	1,186,644	1,121,730	
	VERIZON COMMUNICATIONS INC4.812% 03/15/2039 DD 02/03/17	4,582,634	3,521,588	
	VIATRIS INC2.300% 06/22/2027 DD 06/22/21	40,819	37,517	
	VIRGINIA ELECTRIC AND POWER CO2.950% 11/15/2051 DD 11/22/21	638,520	427,214	
	VIRGINIA ELECTRIC AND POWER CO4.450% 02/15/2044 DD 02/07/14	1,046,633	735,700	
	VIRGINIA ELECTRIC AND POWER CO4.625% 05/15/2052 DD 05/31/22	369,799	316,061	
	VIRGINIA ELECTRIC AND POWER CO5.050% 08/15/2034 DD 08/12/24	324,266	317,181	
	VIRGINIA ELECTRIC AND POWER CO5.450% 04/01/2053 DD 03/30/23	233,418	223,983	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations				
(Continued)				
	VIRGINIA ELECTRIC AND POWER CO5.550% 08/15/2054 DD 08/12/24	\$ 393,282	\$ 382,403	
	VIRGINIA POWER FUEL SECURITIZA4.877% 05/01/2033 DD 02/14/24	239,992	239,806	
	VISA INC4.150% 12/14/2035 DD 12/14/15	708,554	646,926	
	VISA INC4.300% 12/14/2045 DD 12/14/15	1,831,392	1,430,155	
	VISTRA OPERATIONS CO LLC 144A5.125% 05/13/2025 DD 05/13/22	320,384	320,644	
	VITERRA FINANCE BV 144A4.900% 04/21/2027 DD 04/21/22	98,398	99,066	
	VITERRA FINANCE BV 144A5.250% 04/21/2032 DD 04/21/22	148,854	156,176	
	VMWARE LLC1.400% 08/15/2026 DD 08/02/21	18,091	18,946	
	VODAFONE GROUP PLC5.750% 06/28/2054 DD 06/28/24	3,424,821	3,325,872	
	W R BERKLEY CORP3.550% 03/30/2052 DD 03/16/21	851,477	589,198	
	WACHOVIA CORP5.500% 08/01/2035 DD 08/01/05	1,129,875	1,032,659	
	WALMART INC2.650% 09/22/2051 DD 09/22/21	515,818	340,731	
	WALMART INC4.050% 06/29/2048 DD 06/27/18	228,852	222,116	
	WALMART INC4.500% 04/15/2053 DD 04/18/23	2,289,550	2,148,371	
	WALT DISNEY CO/THE3.500% 05/13/2040 DD 05/13/20	682,888	662,104	
	WALT DISNEY CO/THE3.600% 01/13/2051 DD 05/13/20	1,700,377	1,244,955	
	WALT DISNEY CO/THE4.625% 03/23/2040 DD 03/23/20	345,548	281,942	
	WALT DISNEY CO/THE4.750% 11/15/2046 DD 11/15/19	628,140	484,647	
	WARNERMEDIA HOLDINGS INC5.141% 03/15/2052 DD 03/15/23	3,703,903	3,243,716	
	WARNERMEDIA HOLDINGS INC5.391% 03/15/2062 DD 03/15/23	1,010,183	812,196	
	WASTE MANAGEMENT INC2.950% 06/01/2041 DD 05/12/21	1,024,726	748,388	
	WASTE MANAGEMENT INC4.950% 03/15/2035 DD 11/04/24	198,988	195,046	
	WASTE MANAGEMENT INC5.350% 10/15/2054 DD 11/04/24	819,664	788,938	
	WELLS FARGO & CO4.400% 06/14/2046 DD 06/14/16	327,874	277,349	
	WELLS FARGO & CO4.650% 11/04/2044 DD 11/04/14	2,478,000	1,764,861	
	WELLS FARGO & CO4.900% 11/17/2045 DD 11/17/15	1,616,294	1,256,430	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		WELLS FARGO & CO5.606% 01/15/2044 DD 11/26/13	\$ 494,139	\$ 413,748
		WELLS FARGO & COVAR RT 01/23/2035 DD 01/23/24	289,874	289,174
		WELLS FARGO & COVAR RT 04/04/2051 DD 03/30/20	1,513,178	1,417,827
		WELLS FARGO & COVAR RT 04/25/2026 DD 04/25/22	518,388	533,363
		WELLS FARGO & COVAR RT 04/25/2053 DD 04/25/22	1,016,015	929,525
		WELLS FARGO & COVAR RT 04/30/2026 DD 04/30/20	183,008	188,284
		WELLS FARGO & COVAR RT 05/22/2028 DD 05/22/17	153,219	158,937
		WELLS FARGO & COVAR RT 06/02/2028 DD 06/02/20	213,917	211,912
		WELLS FARGO & COVAR RT 07/25/2034 DD 07/25/23	2,025,000	2,021,882
		WELLS FARGO & COVAR RT 08/15/2026 DD 08/15/22	827,669	835,326
		WELLS FARGO & COVAR RT 10/23/2034 DD 10/23/23	1,486,310	1,556,577
		WELLS FARGO & COVAR RT 12/03/2035 DD 12/03/24	545,000	530,389
		WELLS FARGO BANK NA5.850% 02/01/2037 DD 01/29/07	2,362,344	2,214,255
		WELLS FARGO BANK NA6.600% 01/15/2038 DD 12/07/07	2,094,776	2,067,274
		WELLTOWER OP LLC4.950% 09/01/2048 DD 08/16/18	206,129	186,172
		WELLTOWER OP LLC6.500% 03/15/2041 DD 03/14/11	709,565	605,795
		WEST VIRGINIA UNITED HEALTH SY3.129% 06/01/2050 DD 12/10/20	120,000	76,340
		WESTERN & SOUTHERN LIFE I 144A3.750% 04/28/2061 DD 04/28/21	134,361	90,218
		WESTERN MIDSTREAM OPERATING LPVAR RT 02/01/2050 DD 01/13/20	1,277,538	1,092,498
		WESTPAC BANKING CORPVAR RT 11/20/2035 DD 11/20/24	60,000	58,984
		WHISTLER PIPELINE LLC 144A5.950% 09/30/2034 DD 08/05/24	738,202	742,279
		WILLIAMS COS INC/THE3.500% 11/15/2030 DD 05/14/20	165,862	160,855
		WILLIAMS COS INC/THE4.900% 01/15/2045 DD 06/27/14	396,619	320,828
		WILLIAMS COS INC/THE6.300% 04/15/2040 DD 02/09/10	376,607	321,007
		WYETH LLC5.950% 04/01/2037 DD 03/27/07	4,482,728	3,997,504
Total Corporate Obligations			996,891,498	857,020,891

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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December 31, 2024

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
	U.S. Government Obligations			
*		AMERICAN ELECTRIC POWER PROPVAR RT 12/31/2049 DD 07/24/08	\$ 21,341,436	\$ 21,341,436
		FEDERAL FARM CR BK CONS BD1.230% 07/29/2030 DD 07/29/20	264,461	258,416
		FEDERAL FARM CR BK CONS BD2.740% 12/15/2036 DD 12/15/21	1,267,993	1,234,203
		FEDERAL HOME LN BK CONS BD1.930% 02/11/2036 DD 02/11/21	5,600,438	5,488,050
		FEDERAL HOME LN BK CONS BD2.090% 02/22/2036 DD 02/22/21	3,190,084	3,172,077
		FEDERAL NATL MTG ASSN1.875% 09/24/2026 DD 09/27/16	271,892	251,785
		ISRAEL ST AID5.500% 09/18/2033 DD 09/18/03	1,802,839	1,774,485
		PRIVATE EXPORT FUNDING CORP1.400% 07/15/2028 DD 06/28/21	266,341	240,180
		PRIVATE EXPORT FUNDING CORP3.650% 03/15/2030 DD 09/17/24	124,815	119,793
		PRIVATE EXPORT FUNDING CORP3.900% 10/15/2027 DD 05/03/23	145,766	143,668
		PRIVATE EXPORT FUNDING CORP4.600% 02/15/2034 DD 01/30/24	63,802	62,788
		RESOLUTION FDG CORP PRIN STRIP0.000% 01/15/2030 DD 01/30/91	44,215	43,537
		U S TREASURY BD CPN STRIP0.000% 02/15/2040 DD 02/16/10	6,306,661	5,079,910
		U S TREASURY BD CPN STRIP0.000% 02/15/2041 DD 02/15/11	1,296,190	1,297,756
		U S TREASURY BD CPN STRIP0.000% 05/15/2039 DD 05/15/09	3,969,728	3,648,542
		U S TREASURY BD CPN STRIP0.000% 11/15/2040 DD 11/15/10	4,864,295	4,863,861
		U S TREASURY BD PRIN STRIP0.000% 02/15/2043 DD 02/15/13	7,243,932	8,263,326
		U S TREASURY BD PRIN STRIP0.000% 05/15/2048 DD 05/15/18	2,937,873	2,728,446
		U S TREASURY BD PRIN STRIP0.000% 11/15/2044 DD 11/17/14	151,375	154,689
		U S TREASURY BD PRIN STRIP0.000% 11/15/2048 DD 11/15/18	8,194,329	7,809,683
		U S TREASURY BOND1.125% 08/15/2040 DD 08/15/20	11,096,713	7,883,253
		U S TREASURY BOND1.625% 11/15/2050 DD 11/15/20	9,823,870	5,743,568
		U S TREASURY BOND1.750% 08/15/2041 DD 08/15/21	34,145,320	32,146,947
		U S TREASURY BOND1.875% 02/15/2041 DD 02/15/21	3,498,070	2,447,653
		U S TREASURY BOND1.875% 02/15/2051 DD 02/15/21	4,680,728	4,025,120

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
U.S. Government Obligations				
(Continued)				
	U S TREASURY BOND1.875% 11/15/2051 DD 11/15/21	\$ 7,257,859	\$ 4,467,609	
	U S TREASURY BOND2.000% 08/15/2051 DD 08/15/21	6,161,593	3,623,672	
	U S TREASURY BOND2.000% 11/15/2041 DD 11/15/21	82,413,234	60,309,114	
	U S TREASURY BOND2.250% 02/15/2052 DD 02/15/22	9,295,053	6,966,190	
	U S TREASURY BOND2.250% 08/15/2046 DD 08/15/16	75,212,504	63,010,754	
	U S TREASURY BOND2.375% 02/15/2042 DD 02/15/22	5,444,997	4,596,915	
	U S TREASURY BOND2.375% 05/15/2051 DD 05/15/21	16,095,426	9,341,714	
	U S TREASURY BOND2.500% 02/15/2045 DD 02/15/15	14,526,271	11,861,149	
	U S TREASURY BOND2.500% 02/15/2046 DD 02/15/16	77,626,353	49,429,140	
	U S TREASURY BOND2.750% 08/15/2047 DD 08/15/17	3,731,810	2,376,250	
	U S TREASURY BOND2.875% 05/15/2043 DD 05/15/13	43,931,567	29,550,930	
	U S TREASURY BOND2.875% 05/15/2049 DD 05/15/19	51,040,107	33,832,931	
	U S TREASURY BOND2.875% 05/15/2052 DD 05/15/22	64,995,998	54,352,172	
	U S TREASURY BOND2.875% 08/15/2045 DD 08/15/15	6,781,423	6,797,340	
	U S TREASURY BOND3.000% 02/15/2047 DD 02/15/17	1,230,684	1,038,730	
	U S TREASURY BOND3.000% 02/15/2048 DD 02/15/18	10,702,430	5,781,066	
	U S TREASURY BOND3.000% 02/15/2049 DD 02/15/19	40,720,503	26,474,334	
	U S TREASURY BOND3.000% 05/15/2045 DD 05/15/15	10,207,663	7,141,947	
	U S TREASURY BOND3.000% 05/15/2047 DD 05/15/17	32,221,752	24,008,298	
	U S TREASURY BOND3.000% 08/15/2048 DD 08/15/18	19,055,971	17,294,189	
	U S TREASURY BOND3.000% 08/15/2052 DD 08/15/22	13,697,529	11,905,431	
	U S TREASURY BOND3.000% 11/15/2044 DD 11/15/14	5,668,498	3,259,585	
	U S TREASURY BOND3.125% 02/15/2042 DD 02/15/12	4,815,688	4,642,265	
	U S TREASURY BOND3.125% 02/15/2043 DD 02/15/13	13,937,444	13,681,186	
	U S TREASURY BOND3.125% 08/15/2044 DD 08/15/14	17,748,987	15,026,509	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
U.S. Government Obligations				
(Continued)				
	U S TREASURY BOND3.375% 08/15/2042 DD 08/15/22	\$ 9,113,493	\$ 8,251,304	
	U S TREASURY BOND3.375% 11/15/2048 DD 11/15/18	43,998,972	40,773,480	
	U S TREASURY BOND3.625% 02/15/2053 DD 02/15/23	3,174,670	2,645,078	
	U S TREASURY BOND3.625% 05/15/2053 DD 05/15/23	4,746,734	4,238,432	
	U S TREASURY BOND3.625% 08/15/2043 DD 08/15/13	36,126,078	26,839,517	
	U S TREASURY BOND3.750% 11/15/2043 DD 11/15/13	40,333,678	27,355,942	
	U S TREASURY BOND3.875% 05/15/2043 DD 05/15/23	2,662,095	2,616,748	
	U S TREASURY BOND4.000% 11/15/2052 DD 11/15/22	19,034,722	15,522,487	
	U S TREASURY BOND4.125% 08/15/2053 DD 08/15/23	7,794,618	7,350,424	
	U S TREASURY BOND4.250% 02/15/2054 DD 02/15/24	8,833,566	8,434,651	
	U S TREASURY BOND4.250% 08/15/2054 DD 08/15/24	9,664,621	9,235,310	
	U S TREASURY BOND4.250% 11/15/2040 DD 11/15/10	2,189,420	1,618,210	
	U S TREASURY BOND4.500% 11/15/2054 DD 11/15/24	6,532,999	6,418,675	
	U S TREASURY BOND4.625% 02/15/2040 DD 02/15/10	10,197,274	7,538,234	
	U S TREASURY BOND4.625% 05/15/2054 DD 05/15/24	12,767,686	11,713,425	
	U S TREASURY BOND4.750% 11/15/2053 DD 11/15/23	1,058,190	1,020,668	
	U S TREASURY NOTE0.500% 05/31/2027 DD 05/31/20	301,847	301,706	
	U S TREASURY NOTE0.500% 10/31/2027 DD 10/31/20	663,935	674,100	
	U S TREASURY NOTE0.875% 09/30/2026 DD 09/30/21	706,306	707,723	
	U S TREASURY NOTE1.125% 10/31/2026 DD 10/31/21	2,305,467	2,300,787	
	U S TREASURY NOTE1.375% 11/15/2031 DD 11/15/21	314,762	310,502	
	U S TREASURY NOTE1.750% 01/31/2029 DD 01/31/22	3,816,271	3,765,954	
	U S TREASURY NOTE1.875% 02/15/2032 DD 02/15/22	2,980,836	2,826,298	
	U S TREASURY NOTE2.625% 02/15/2029 DD 02/15/19	1,466,295	1,464,660	
	U S TREASURY NOTE2.750% 05/31/2029 DD 05/31/22	6,011,376	5,961,288	
	U S TREASURY NOTE2.750% 07/31/2027 DD 07/31/22	1,613,036	1,606,715	

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U.S. Government Obligations				
(Continued)				
		U S TREASURY NOTE2.875% 05/15/2028 DD 05/15/18	\$ 362,920	\$ 363,885
		U S TREASURY NOTE2.875% 05/15/2032 DD 05/15/22	555,508	543,344
		U S TREASURY NOTE2.875% 08/15/2028 DD 08/15/18	997,990	1,006,296
		U S TREASURY NOTE3.375% 05/15/2033 DD 05/15/23	950,632	943,875
		U S TREASURY NOTE3.500% 02/15/2033 DD 02/15/23	4,030,844	3,978,270
		U S TREASURY NOTE3.500% 04/30/2030 DD 04/30/23	668,336	669,788
		U S TREASURY NOTE3.500% 09/30/2026 DD 09/30/24	5,273,869	5,232,902
		U S TREASURY NOTE3.625% 05/31/2028 DD 05/31/23	1,460,872	1,432,726
		U S TREASURY NOTE3.625% 09/30/2031 DD 09/30/24	1,638,746	1,639,095
		U S TREASURY NOTE3.750% 08/15/2027 DD 08/15/24	797,873	799,624
		U S TREASURY NOTE3.750% 08/31/2026 DD 08/31/24	362,057	362,091
		U S TREASURY NOTE3.750% 08/31/2031 DD 08/31/24	1,105,677	1,087,341
		U S TREASURY NOTE3.750% 12/31/2028 DD 12/31/23	850,300	850,355
		U S TREASURY NOTE3.875% 08/15/2033 DD 08/15/23	989,739	973,732
		U S TREASURY NOTE3.875% 08/15/2034 DD 08/15/24	1,403,914	1,361,923
		U S TREASURY NOTE4.000% 01/15/2027 DD 01/15/24	1,879,983	1,891,495
		U S TREASURY NOTE4.000% 01/31/2029 DD 01/31/24	281,378	276,128
		U S TREASURY NOTE4.000% 02/15/2034 DD 02/15/24	14,056,443	13,539,616
		U S TREASURY NOTE4.000% 07/31/2029 DD 07/31/24	305,145	295,206
		U S TREASURY NOTE4.000% 12/15/2027 DD 12/15/24	1,213,340	1,210,472
		U S TREASURY NOTE4.125% 02/15/2027 DD 02/15/24	1,358,582	1,356,178
		U S TREASURY NOTE4.125% 03/31/2029 DD 03/31/24	2,395,842	2,381,046
		U S TREASURY NOTE4.125% 09/30/2027 DD 09/30/22	6,759,160	6,670,308
		U S TREASURY NOTE4.125% 10/31/2026 DD 10/31/24	3,042,243	3,037,875
		U S TREASURY NOTE4.125% 10/31/2029 DD 10/31/24	1,764,160	1,764,223

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
U.S. Government Obligations (Continued)				
	U S TREASURY NOTE4.125% 11/15/2027 DD 11/15/24	\$ 2,337,725	\$ 2,334,377	
	U S TREASURY NOTE4.250% 06/30/2029 DD 06/30/24	1,939,868	1,930,014	
	U S TREASURY NOTE4.250% 11/15/2034 DD 11/15/24	931,705	910,896	
	U S TREASURY NOTE4.250% 12/31/2026 DD 12/31/24	814,491	815,000	
	U S TREASURY NOTE4.375% 08/31/2028 DD 08/31/23	84,947	85,056	
	U S TREASURY NOTE4.375% 11/30/2028 DD 11/30/23	1,530,007	1,530,413	
	U S TREASURY NOTE4.375% 12/15/2026 DD 12/15/23	370,008	370,810	
	U S TREASURY NOTE4.375% 12/31/2029 DD 12/31/24	79,923	79,950	
	U S TREASURY NOTE4.500% 05/15/2027 DD 05/15/24	2,683,275	2,667,956	
	U S TREASURY NOTE4.500% 11/15/2033 DD 11/15/23	922,009	918,966	
	U S TREASURY NOTE4.500% 12/31/2031 DD 12/31/24	325,476	325,254	
	U S TREASURY NOTE4.625% 04/30/2031 DD 04/30/24	111,927	110,920	
	U S TREASURY NOTE4.625% 05/31/2031 DD 05/31/24	225,305	216,748	
	U S TREASURY NOTE4.625% 06/30/2026 DD 06/30/24	2,360,978	2,368,611	
	U S TREASURY NOTE4.875% 10/31/2028 DD 10/31/23	716,936	712,495	
	U S TREASURY NT PRIN STRIP0.000% 02/15/2033 DD 02/15/23	792,063	800,490	
	US 10YR TREAS NTS FUTURE (CBT)EXP MAR 25	-	35,180	
	US 10YR ULTRA FUTURE (CBT)EXP MAR 25	-	708,571	
	US 2YR TREAS NTS FUT (CBT)EXP MAR 25	-	8,720	
	US 5YR TREAS NTS FUTURE (CBT)EXP MAR 25	-	(498,195)	
	US TREAS BD FUTURE (CBT)EXP MAR 25	-	529,388	
	US TREAS-CPI INFLAT0.250% 02/15/2050 DD 02/15/20	860,548	837,747	
	US TREAS-CPI INFLAT0.625% 02/15/2043 DD 02/15/13	1,070,498	1,066,054	
	US TREAS-CPI INFLAT1.375% 02/15/2044 DD 02/15/14	2,224,753	2,208,948	
	US ULTRA BOND (CBT)EXP MAR 25	-	(3,070,336)	
Total U.S. Government Obligation		1,080,411,452	864,156,737	
Total Investments		3,603,941,380	3,647,969,142	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
401(h) Investments				
Short-Term Investments				
*	CAD (CANADIAN DOLLARS)	\$ 3,111	\$ 2,716	
	EB TEMP INV FDVAR RT 12/31/2049 DD			
	04/02/10	3,051,515	3,051,515	
	EUR (EURO)	(15)	-	
	GBP (GREAT BRITISH POUNDS)	573	545	
	NZD (NEW ZEALAND DOLLAR)	49	37	
	ZAR (SOUTH AFRICAN RAND)	1	1	
Total Short-Term Investments		3,055,234	3,054,814	
State and Local Government Obligations				
	CALIFORNIA ST5.200% 03/01/2043 DD			
	03/15/23	111,158	111,396	
	CHICAGO IL TRANSIT AUTH SALES6.200%			
	12/01/2040 DD 04/06/10	24,346	20,540	
	CHICAGO IL TRANSIT AUTH SALES6.899%			
	12/01/2040 DD 08/06/08	110,296	98,218	
	CMWLTH FING AUTH PA4.144% 06/01/2038			
	DD 10/31/16	9,709	9,042	
	DALLAS TX AREA RAPID TRANSIT S2.613%			
	12/01/2048 DD 12/01/21	217,807	159,262	
	DALLAS-FORT WORTH TX INTERNATI4.087%			
	11/01/2051 DD 04/21/22	25,000	20,706	
	KANSAS ST DEV FIN AUTH REVENUE4.927%			
	04/15/2045 DD 08/20/15	48,940	42,471	
	MUNI ELEC AUTH OF GEORGIA6.637%			
	04/01/2057 DD 03/11/10	169,097	146,176	
	NEW YORK CITY NY MUNI WTR FIN5.440%			
	06/15/2043 DD 09/23/10	257,178	189,194	
	NEW YORK NY5.114% 10/01/2054 DD			
	10/16/24	35,000	33,117	
	PORT AUTH OF NEW YORK & NEW JE3.287%			
	08/01/2069 DD 08/16/19	60,478	50,875	
	PORT AUTH OF NEW YORK & NEW JE4.926%			
	10/01/2051 DD 10/06/11	144,284	111,276	
	PORT AUTH OF NEW YORK & NEW JE5.072%			
	07/15/2053 DD 06/14/23	55,000	52,022	
	SALES TAX SECURITIZATION CORP3.587%			
	01/01/2043 DD 12/14/17	118,478	106,720	
	SALES TAX SECURITIZATION CORP4.637%			
	01/01/2040 DD 01/30/19	146,444	136,562	
	UNIV OF CALIFORNIA CA RGTS MED4.563%			
	05/15/2053 DD 05/11/22	50,641	43,069	
	UNIV OF CALIFORNIA CA RGTS MED6.548%			
	05/15/2048 DD 11/18/10	65,945	53,699	
	UNIV OF CALIFORNIA REVENUES4.767%			
	05/15/2115 DD 04/08/15	143,595	114,164	
Total State and Local Government Obligations		1,793,396	1,498,509	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Common/Collective Trusts				
*	BNYM-M DB SL ACWI FUND	\$ 17,419,077	\$ 29,644,000	
	JPMCB LONG DURATION INVESTMENTGRADE FUND	89,636,978	107,248,488	
Total Common/Collective Trusts		107,056,055	136,892,488	
Corporate Obligations				
	ABBOTT LABORATORIES4.750% 11/30/2036 DD 11/22/16	129,126	120,795	
	ABBVIE INC4.050% 11/21/2039 DD 05/21/20	237,006	200,998	
	ABBVIE INC4.300% 05/14/2036 DD 05/12/16	161,399	155,283	
	ABBVIE INC4.850% 06/15/2044 DD 06/15/20	28,218	27,231	
	AKER BP ASA 144A5.800% 10/01/2054 DD 10/01/24	147,485	136,143	
	ALABAMA POWER CO3.000% 03/15/2052 DD 11/18/21	18,435	12,861	
	ALABAMA POWER CO3.450% 10/01/2049 DD 09/17/19	110,136	74,241	
	ALABAMA POWER CO3.700% 12/01/2047 DD 11/08/17	31,231	29,882	
	ALABAMA POWER CO4.300% 01/02/2046 DD 01/13/16	32,388	24,928	
	ALABAMA POWER CO4.300% 07/15/2048 DD 06/28/18	4,962	4,108	
	ALCON FINANCE CORP 144A3.800% 09/23/2049 DD 09/23/19	166,534	146,908	
	ALTRIA GROUP INC3.400% 02/04/2041 DD 02/04/21	88,768	83,100	
	AMAZON.COM INC2.700% 06/03/2060 DD 06/03/20	29,398	17,245	
	AMAZON.COM INC3.950% 04/13/2052 DD 04/13/22	312,132	248,806	
	AMAZON.COM INC4.050% 08/22/2047 DD 02/22/18	10,240	8,272	
	AMAZON.COM INC4.250% 08/22/2057 DD 02/22/18	55,777	41,844	
	AMERICAN TOWER CORP3.100% 06/15/2050 DD 06/03/20	49,461	38,534	
	AMERICAN WATER CAPITAL CORP3.750% 09/01/2047 DD 08/10/17	37,638	29,681	
	AMERICAN WATER CAPITAL CORP4.200% 09/01/2048 DD 08/09/18	47,301	35,809	
	AMGEN INC2.770% 09/01/2053 DD 03/01/21	26,524	29,166	
	AMGEN INC3.150% 02/21/2040 DD 02/21/20	156,113	115,619	
	AMGEN INC4.400% 02/22/2062 DD 02/22/22	49,692	38,857	
	AMGEN INC4.563% 06/15/2048 DD 12/15/16	62,451	50,050	
	AMGEN INC5.600% 03/02/2043 DD 03/02/23	126,292	121,968	
	AMGEN INC5.750% 03/02/2063 DD 03/02/23	64,397	62,548	
	ANHEUSER-BUSCH COS LLC / ANHEU4.700% 02/01/2036 DD 02/01/19	115,680	113,756	
	ANHEUSER-BUSCH COS LLC / ANHEU4.900% 02/01/2046 DD 02/01/19	563,265	519,690	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
	Corporate Obligations (Continued)			
		ANHEUSER-BUSCH INBEV WORLDWIDE5.450% 01/23/2039 DD 01/23/19	\$ 86,958	\$ 85,224
*		AON CORP / AON GLOBAL HOLDINGS3.900% 02/28/2052 DD 02/28/22	59,092	44,108
*		AON GLOBAL LTD4.600% 06/14/2044 DD 05/28/14	47,966	42,336
*		AON NORTH AMERICA INC5.750% 03/01/2054 DD 03/01/24	109,331	107,624
		APPLE INC2.650% 02/08/2051 DD 02/08/21	14,901	9,266
		APPLE INC2.700% 08/05/2051 DD 08/05/21	124,303	78,099
		APPLE INC2.950% 09/11/2049 DD 09/11/19	78,524	51,394
		APPLE INC3.850% 05/04/2043 DD 05/03/13	110,549	107,831
		APPLE INC3.850% 08/04/2046 DD 08/04/16	315,612	254,293
		APPLE INC3.950% 08/08/2052 DD 08/08/22	159,264	135,480
		APPLE INC4.100% 08/08/2062 DD 08/08/22	59,789	47,984
		ARTHUR J GALLAGHER & CO5.150% 02/15/2035 DD 12/19/24	24,907	24,409
		ARTHUR J GALLAGHER & CO5.550% 02/15/2055 DD 12/19/24	54,657	53,086
		ASTRAZENECA PLC4.375% 08/17/2048 DD 08/17/18	32,050	29,703
		ASTRAZENECA PLC4.375% 11/16/2045 DD 11/16/15	42,557	34,332
		AT&T INC3.500% 09/15/2053 DD 03/15/21	497,742	386,715
		AT&T INC3.650% 09/15/2059 DD 03/15/21	156,905	126,183
		AT&T INC3.800% 12/01/2057 DD 06/01/21	432,974	306,955
		ATHENE HOLDING LTD6.250% 04/01/2054 DD 03/22/24	119,469	120,530
		ATMOS ENERGY CORP2.850% 02/15/2052 DD 10/01/21	26,890	26,938
		ATMOS ENERGY CORP3.375% 09/15/2049 DD 10/02/19	10,337	10,308
		ATMOS ENERGY CORP5.000% 12/15/2054 DD 10/01/24	14,893	13,556
		BACARDI LTD / BACARDI-MAR 144A5.900% 06/15/2043 DD 06/20/23	99,641	96,951
		BALTIMORE GAS AND ELECTRIC CO5.650% 06/01/2054 DD 06/06/24	114,968	113,623
		BANK OF AMERICA CORPVAR RT 01/20/2048 DD 01/20/17	69,244	54,813
		BANK OF AMERICA CORPVAR RT 01/23/2035 DD 01/23/24	20,000	20,027
		BANK OF AMERICA CORPVAR RT 01/23/2049 DD 01/23/18	98,582	81,126
		BANK OF AMERICA CORPVAR RT 03/15/2050 DD 03/15/19	136,739	88,533
		BANK OF AMERICA CORPVAR RT 04/23/2040 DD 04/23/19	242,349	208,451
		BANK OF AMERICA CORPVAR RT 06/19/2041 DD 06/19/20	126,011	86,916

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	BANK OF AMERICA CORPVAR RT 10/25/2035 DD 10/25/24	\$ 240,000	\$ 234,300	
	BAT CAPITAL CORP4.540% 08/15/2047 DD 08/15/18	25,996	27,034	
	BAXTER INTERNATIONAL INC3.132% 12/01/2051 DD 06/01/22	126,600	80,817	
	BAYLOR SCOTT & WHITE HOLDINGS2.839% 11/15/2050 DD 01/21/21	50,000	31,829	
	BECTON DICKINSON & CO4.669% 06/06/2047 DD 06/06/17	70,620	55,705	
	BERKSHIRE HATHAWAY ENERGY CO5.150% 11/15/2043 DD 11/08/13	23,823	18,998	
	BERKSHIRE HATHAWAY ENERGY CO6.125% 04/01/2036 DD 10/01/06	534,829	430,493	
	BERKSHIRE HATHAWAY FINANCE COR3.850% 03/15/2052 DD 03/15/22	89,682	68,196	
	BHP BILLITON FINANCE USA LTD5.000% 09/30/2043 DD 09/30/13	64,959	51,435	
	BHP BILLITON FINANCE USA LTD5.500% 09/08/2053 DD 09/08/23	100,378	97,760	
	BLACKROCK FUNDING INC5.250% 03/14/2054 DD 03/14/24	74,096	70,964	
	BNP PARIBAS SA 144AVAR RT 11/19/2035 DD 11/19/24	305,000	295,917	
	BOEING CO/THE5.705% 05/01/2040 DD 05/04/20	122,096	114,270	
	BOEING CO/THE5.805% 05/01/2050 DD 05/04/20	97,658	97,466	
	BOEING CO/THE6.858% 05/01/2054 DD 11/01/24	65,000	69,220	
	BOEING CO/THE7.008% 05/01/2064 DD 11/01/24	115,000	122,244	
	BOSTON SCIENTIFIC CORP4.550% 03/01/2039 DD 02/25/19	40,770	37,429	
	BP CAPITAL MARKETS AMERICA INC2.772% 11/10/2050 DD 08/10/20	33,509	21,029	
	BP CAPITAL MARKETS AMERICA INC2.939% 06/04/2051 DD 12/04/20	107,883	71,321	
	BP CAPITAL MARKETS AMERICA INC3.000% 02/24/2050 DD 02/24/20	64,895	50,946	
	BP CAPITAL MARKETS AMERICA INC3.001% 03/17/2052 DD 09/17/21	55,000	34,390	
	BP CAPITAL MARKETS AMERICA INC3.060% 06/17/2041 DD 06/17/21	32,725	28,887	
	BP CAPITAL MARKETS AMERICA INC3.379% 02/08/2061 DD 02/08/21	157,806	101,482	
	BPCE SA 144AVAR RT 10/19/2034 DD 10/19/23	250,000	266,503	
	BRISTOL-MYERS SQUIBB CO2.350% 11/13/2040 DD 11/13/20	119,417	79,739	

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Corporate Obligations (Continued)				
	BRISTOL-MYERS SQUIBB CO2.550% 11/13/2050 DD 11/13/20	\$ 188,554	\$ 110,111	
	BRISTOL-MYERS SQUIBB CO4.250% 10/26/2049 DD 04/26/20	222,858	137,583	
	BRISTOL-MYERS SQUIBB CO4.350% 11/15/2047 DD 05/15/20	20,089	12,397	
	BRISTOL-MYERS SQUIBB CO5.500% 02/22/2044 DD 02/22/24	4,962	4,971	
	BRISTOL-MYERS SQUIBB CO5.550% 02/22/2054 DD 02/22/24	29,883	29,111	
	BRISTOL-MYERS SQUIBB CO6.400% 11/15/2063 DD 11/13/23	119,982	128,773	
	BROADCOM INC 144A3.500% 02/15/2041 DD 01/19/21	138,157	140,627	
	BROADCOM INC 144A4.926% 05/15/2037 DD 04/18/22	34,690	35,211	
	BROADCOM INC4.800% 10/15/2034 DD 10/02/24	109,772	106,160	
	BROOKLYN UNION GAS CO/THE 144A6.415% 07/18/2054 DD 07/18/24	50,000	51,908	
	BURLINGTON NORTHERN SANTA FE L4.150% 04/01/2045 DD 03/09/15	448,490	349,805	
	BURLINGTON NORTHERN SANTA FE L4.550% 09/01/2044 DD 08/18/14	42,169	34,885	
	BURLINGTON NORTHERN SANTA FE L5.500% 03/15/2055 DD 06/07/24	84,550	83,758	
	CANADIAN NATIONAL RAILWAY CO3.650% 02/03/2048 DD 02/06/18	48,555	37,677	
	CANADIAN PACIFIC RAILWAY CO3.100% 12/02/2051 DD 12/02/21	31,393	22,793	
	CARDINAL HEALTH INC5.350% 11/15/2034 DD 11/22/24	74,789	73,428	
	CARDINAL HEALTH INC5.750% 11/15/2054 DD 11/22/24	39,842	38,323	
	CARGILL INC 144A4.375% 04/22/2052 DD 04/22/22	34,849	28,901	
	CATERPILLAR INC3.803% 08/15/2042 DD 08/15/12	29,050	28,465	
	CHARTER COMMUNICATIONS OPERATI3.850% 04/01/2061 DD 12/04/20	94,888	57,340	
	CHARTER COMMUNICATIONS OPERATI5.375% 05/01/2047 DD 11/01/17	417,012	324,560	
	CHARTER COMMUNICATIONS OPERATI6.484% 10/23/2045 DD 10/23/16	58,902	52,016	
	CHILE GOVERNMENT INTERNATIONAL5.330% 01/05/2054 DD 07/05/23	199,850	184,860	
	CISCO SYSTEMS INC5.300% 02/26/2054 DD 02/26/24	145,337	141,052	
	CISCO SYSTEMS INC5.350% 02/26/2064 DD 02/26/24	49,779	47,990	

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Corporate Obligations (Continued)				
	CITIGROUP INCVAR RT 01/24/2039 DD 01/24/18	\$ 74,966	\$ 62,564	
	CLECO CORPORATE HOLDINGS LLCVAR RT 05/01/2046 DD 11/01/16	43,291	33,497	
	COCA-COLA CO/THE2.500% 06/01/2040 DD 05/01/20	91,837	66,587	
	COCA-COLA CO/THE5.200% 01/14/2055 DD 08/14/24	169,852	161,663	
	COCA-COLA CO/THE5.300% 05/13/2054 DD 05/13/24	44,739	43,482	
	COCA-COLA CO/THE5.400% 05/13/2064 DD 05/13/24	228,544	221,720	
	COLUMBIA PIPELINES OPERAT 144A6.497% 08/15/2043 DD 08/08/23	15,000	15,576	
	COLUMBIA PIPELINES OPERAT 144A6.714% 08/15/2063 DD 08/08/23	107,757	111,648	
	COMCAST CORP2.937% 11/01/2056 DD 05/01/22	1,215	1,168	
	COMCAST CORP2.987% 11/01/2063 DD 05/01/22	96,239	54,836	
	COMCAST CORP3.250% 11/01/2039 DD 11/05/19	25,528	26,547	
	COMCAST CORP3.400% 07/15/2046 DD 07/19/16	695,809	548,324	
	COMCAST CORP3.900% 03/01/2038 DD 02/08/18	69,661	58,906	
	COMCAST CORP5.350% 05/15/2053 DD 05/09/23	24,892	23,187	
	COMCAST CORP5.500% 05/15/2064 DD 05/09/23	134,366	126,118	
	COMMONWEALTH EDISON CO3.650% 06/15/2046 DD 06/27/16	31,375	26,162	
	COMMONWEALTH EDISON CO3.700% 03/01/2045 DD 03/02/15	27,163	19,098	
	COMMONWEALTH EDISON CO4.000% 03/01/2049 DD 02/19/19	54,402	42,408	
	COMMONWEALTH EDISON CO4.350% 11/15/2045 DD 11/19/15	4,370	3,358	
	COMMONWEALTH EDISON CO5.650% 06/01/2054 DD 05/13/24	44,708	44,461	
	COMMONWEALTH EDISON CO6.450% 01/15/2038 DD 01/16/08	206,437	163,146	
	CONOCOPHILLIPS CO3.800% 03/15/2052 DD 03/08/22	137,145	102,371	
	CONOCOPHILLIPS CO4.025% 03/15/2062 DD 09/15/22	29,892	25,322	
	CONOCOPHILLIPS CO5.300% 05/15/2053 DD 05/23/23	79,262	74,092	
	CONOCOPHILLIPS CO5.500% 01/15/2055 DD 12/05/24	39,868	38,045	

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Corporate Obligations (Continued)				
	CONOCOPHILLIPS CO5.550% 03/15/2054 DD 08/17/23	\$ 50,673	\$ 48,244	
	CONOCOPHILLIPS CO5.650% 01/15/2065 DD 12/05/24	60,311	56,746	
	CONOCOPHILLIPS CO5.700% 09/15/2063 DD 08/17/23	59,836	57,627	
	CONSOLIDATED EDISON CO OF NEW3.200% 12/01/2051 DD 12/02/21	30,000	19,648	
	CONSOLIDATED EDISON CO OF NEW3.700% 11/15/2059 DD 11/08/19	123,889	87,279	
	CONSOLIDATED EDISON CO OF NEW4.300% 12/01/2056 DD 11/16/16	58,644	42,901	
	CONSOLIDATED EDISON CO OF NEW4.500% 05/15/2058 DD 05/10/18	95,907	80,486	
	CONSOLIDATED EDISON CO OF NEW5.700% 05/15/2054 DD 05/09/24	134,058	134,498	
	CONSOLIDATED EDISON CO OF NEW5.900% 11/15/2053 DD 11/22/23	49,543	50,732	
	CONSOLIDATED EDISON CO OF NEW6.750% 04/01/2038 DD 04/04/08	147,304	115,917	
	COREBRIDGE FINANCIAL INC4.350% 04/05/2042 DD 04/05/23	34,780	33,392	
	COTERRA ENERGY INC5.900% 02/15/2055 DD 12/17/24	94,387	89,883	
	CROWN CASTLE INC4.000% 11/15/2049 DD 08/15/19	7,788	7,444	
	CSL FINANCE PLC 144A4.750% 04/27/2052 DD 04/27/22	85,395	73,421	
	CSX CORP4.500% 08/01/2054 DD 07/21/14	26,297	20,945	
	CSX CORP4.900% 03/15/2055 DD 09/18/24	54,931	49,289	
	CSX CORP6.220% 04/30/2040 DD 03/24/10	17,837	16,058	
	CVS HEALTH CORP4.125% 04/01/2040 DD 03/31/20	84,526	70,594	
	CVS HEALTH CORP5.125% 07/20/2045 DD 07/20/15	195,725	143,123	
	DIAMONDBACK ENERGY INC4.250% 03/15/2052 DD 03/17/22	18,154	15,129	
	DIAMONDBACK ENERGY INC5.750% 04/18/2054 DD 04/18/24	30,136	28,208	
	DIAMONDBACK ENERGY INC5.900% 04/18/2064 DD 04/18/24	49,923	46,951	
	DIAMONDBACK ENERGY INC6.250% 03/15/2053 DD 12/13/22	80,102	79,884	
	DOMINION ENERGY INC3.300% 04/15/2041 DD 04/05/21	79,930	58,966	
	DOMINION ENERGY INC7.000% 06/15/2038 DD 06/17/08	297,537	245,045	
	DOMINION ENERGY SOUTH CAROLINA4.600% 06/15/2043 DD 06/14/13	23,004	21,790	

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	DOMINION ENERGY SOUTH CAROLINA 5.100% 06/01/2065 DD 05/22/15	\$ 5,722	\$ 4,478	
	DUKE ENERGY CAROLINAS LLC 3.550% 03/15/2052 DD 03/04/22	21,250	21,155	
	DUKE ENERGY CAROLINAS LLC 3.750% 06/01/2045 DD 03/12/15	15,069	15,311	
	DUKE ENERGY CAROLINAS LLC 3.875% 03/15/2046 DD 03/11/16	128,159	96,910	
	DUKE ENERGY CAROLINAS LLC 6.000% 01/15/2038 DD 01/10/08	27,008	26,012	
	DUKE ENERGY CORP 3.300% 06/15/2041 DD 06/10/21	124,690	91,864	
	DUKE ENERGY CORP 3.750% 09/01/2046 DD 08/12/16	79,903	70,021	
	DUKE ENERGY CORP 3.950% 08/15/2047 DD 08/10/17	25,495	22,365	
	DUKE ENERGY CORP 4.200% 06/15/2049 DD 06/07/19	10,809	11,601	
	DUKE ENERGY CORP 5.000% 08/15/2052 DD 08/11/22	78,023	69,925	
	DUKE ENERGY CORP 5.800% 06/15/2054 DD 06/07/24	69,605	68,251	
	DUKE ENERGY INDIANA LLC 4.200% 03/15/2042 DD 03/15/12	295,916	233,771	
	DUKE ENERGY OHIO INC 5.650% 04/01/2053 DD 03/22/23	43,338	44,108	
	DUKE ENERGY PROGRESS LLC 4.100% 05/15/2042 DD 05/18/12	178,034	139,881	
	EASTERN ENERGY GAS HOLDINGS LL 5.650% 10/15/2054 DD 10/09/24	60,189	56,677	
	ECOLAB INC 2.700% 12/15/2051 DD 12/15/21	74,816	45,632	
	ELEVANCE HEALTH INC 4.625% 05/15/2042 DD 05/07/12	157,505	125,347	
	ELEVANCE HEALTH INC 5.650% 06/15/2054 DD 05/30/24	109,555	105,567	
	ELEVANCE HEALTH INC 5.850% 11/01/2064 DD 10/31/24	134,606	130,611	
	ELI LILLY & CO 5.050% 08/14/2054 DD 08/14/24	29,853	27,838	
	ELI LILLY & CO 5.100% 02/09/2064 DD 02/09/24	159,810	146,502	
	EMERA US FINANCE LP 4.750% 06/15/2046 DD 12/15/16	199,654	174,071	
	ENBRIDGE INC 5.950% 04/05/2054 DD 04/05/24	45,014	44,626	
	ENBRIDGE INC 6.700% 11/15/2053 DD 11/09/23	99,870	108,677	
	ENERGY TRANSFER LP 5.150% 02/01/2043 DD 01/22/13	28,030	26,481	
	ENERGY TRANSFER LP 5.300% 04/01/2044 DD 04/03/14	20,338	17,905	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		ENERGY TRANSFER LP5.400% 10/01/2047 DD 09/21/17	\$ 4,575	\$ 4,495
		ENERGY TRANSFER LP6.050% 06/01/2041 DD 05/12/11	315,792	294,124
		ENI SPA 144A5.950% 05/15/2054 DD 05/15/24	200,304	192,492
		ENTERPRISE PRODUCTS OPERATING4.800% 02/01/2049 DD 10/11/18	16,796	12,927
		ENTERPRISE PRODUCTS OPERATING5.100% 02/15/2045 DD 02/12/14	322,355	267,537
		EOG RESOURCES INC5.650% 12/01/2054 DD 11/21/24	74,654	73,546
		EQUINOR ASA3.625% 04/06/2040 DD 04/06/20	69,350	56,606
		EQUINOR ASA3.700% 04/06/2050 DD 04/06/20	4,632	3,709
		EQUINOR ASA4.250% 11/23/2041 DD 11/23/11	88,078	72,946
		EVERGY KANSAS CENTRAL INC3.250% 09/01/2049 DD 08/19/19	24,679	16,608
		EVERSOURCE ENERGY3.450% 01/15/2050 DD 01/10/20	10,676	6,842
		EXELON CORP4.700% 04/15/2050 DD 04/01/20	55,034	38,008
		EXXON MOBIL CORP4.227% 03/19/2040 DD 03/19/20	37,251	30,735
		FEDEX CORP4.100% 02/01/2045 DD 01/09/15	49,837	39,151
		FEDEX CORP4.550% 04/01/2046 DD 03/24/16	40,805	35,027
		FORTIVE CORP4.300% 06/15/2046 DD 06/15/17	58,716	45,036
		GEORGIA POWER CO4.300% 03/15/2042 DD 03/06/12	229,731	200,013
		GEORGIA POWER CO4.750% 09/01/2040 DD 08/31/10	45,510	41,071
		GEORGIA POWER CO5.650% 03/01/2037 DD 03/13/07	26,392	25,048
		GILEAD SCIENCES INC2.600% 10/01/2040 DD 09/30/20	94,573	65,920
		GILEAD SCIENCES INC4.150% 03/01/2047 DD 09/20/16	78,457	60,189
		GILEAD SCIENCES INC4.500% 02/01/2045 DD 11/17/14	173,296	128,702
		GILEAD SCIENCES INC4.800% 04/01/2044 DD 03/07/14	13,641	13,438
		GILEAD SCIENCES INC5.100% 06/15/2035 DD 11/20/24	144,419	142,811
		GLENORE FUNDING LLC 144A3.875% 04/27/2051 DD 04/27/21	52,119	50,271

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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December 31, 2024

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	GLENCORE FUNDING LLC 144A5.893% 04/04/2054 DD 04/04/24	\$ 108,331	\$ 106,895	
	GOLDMAN SACHS GROUP INC/THEVAR RT 04/23/2039 DD 04/23/18	139,715	123,533	
	GOLDMAN SACHS GROUP INC/THEVAR RT 10/23/2035 DD 10/23/24	80,000	76,613	
	GOLDMAN SACHS GROUP INC/THEVAR RT 10/31/2038 DD 10/31/17	384,122	334,605	
	GOLDMAN SACHS GROUP INC/THEVAR RT 11/19/2045 DD 11/19/24	290,000	280,320	
	GREENSAIF PIPELINES BIDCO 144A6.103% 08/23/2042 DD 07/31/24	200,000	195,002	
	HCA INC4.625% 03/15/2052 DD 03/15/23	63,207	50,645	
	HEALTH CARE SERVICE CORP 144A5.875% 06/15/2054 DD 06/10/24	64,799	63,024	
	HERSHEY CO/THE3.125% 11/15/2049 DD 10/31/19	33,941	23,302	
	HESS CORP6.000% 01/15/2040 DD 12/14/09	48,982	57,306	
	HEWLETT PACKARD ENTERPRISE CO5.600% 10/15/2054 DD 09/26/24	48,993	47,154	
	HOME DEPOT INC/THE3.125% 12/15/2049 DD 01/13/20	78,869	49,622	
	HOME DEPOT INC/THE4.400% 03/15/2045 DD 06/12/14	345,473	273,766	
	HOME DEPOT INC/THE5.300% 06/25/2054 DD 06/25/24	34,746	33,572	
	HOME DEPOT INC/THE5.400% 06/25/2064 DD 06/25/24	14,744	14,401	
	HONEYWELL INTERNATIONAL INC5.000% 03/01/2035 DD 03/01/24	85,190	83,350	
	HONEYWELL INTERNATIONAL INC5.250% 03/01/2054 DD 03/01/24	349,213	328,346	
	HSBC HOLDINGS PLCVAR RT 03/09/2044 DD 03/09/23	200,000	211,310	
	HSBC HOLDINGS PLCVAR RT 11/13/2034 DD 11/13/23	200,000	217,410	
	HSBC HOLDINGS PLCVAR RT 11/18/2035 DD 11/18/24	285,000	278,009	
	HUMANA INC4.950% 10/01/2044 DD 09/19/14	34,398	25,509	
	IBM INTERNATIONAL CAPITAL PTE5.250% 02/05/2044 DD 02/05/24	244,010	232,336	
	INTEL CORP3.050% 08/12/2051 DD 08/12/21	35,752	19,982	
	INTEL CORP3.100% 02/15/2060 DD 02/13/20	191,164	107,030	
	INTEL CORP3.250% 11/15/2049 DD 11/21/19	139,691	95,659	
	INTEL CORP3.734% 12/08/2047 DD 06/08/18	35,826	33,011	
	INTEL CORP4.900% 08/05/2052 DD 08/05/22	119,756	94,888	
	INTERCONTINENTAL EXCHANGE INC2.650% 09/15/2040 DD 08/20/20	44,823	31,401	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations				
(Continued)				
	INTERCONTINENTAL EXCHANGE INC3.000% 09/15/2060 DD 08/20/20	\$ 144,200	\$ 84,619	
	INTERCONTINENTAL EXCHANGE INC4.950% 06/15/2052 DD 05/23/22	103,201	93,646	
	INTERCONTINENTAL EXCHANGE INC5.200% 06/15/2062 DD 05/23/22	20,623	18,197	
	INTERNATIONAL BUSINESS MACHINE2.850% 05/15/2040 DD 05/07/20	153,246	124,766	
	INTUIT INC5.500% 09/15/2053 DD 09/15/23	49,586	49,037	
	ITC HOLDINGS CORP5.300% 07/01/2043 DD 07/03/13	175,221	138,030	
	JOHNSON & JOHNSON2.100% 09/01/2040 DD 08/25/20	44,209	36,593	
	JOHNSONVILLE AERODERIVATIVE CO5.078% 10/01/2054 DD 10/02/24	155,000	148,857	
	JPMORGAN CHASE & COVAR RT 01/23/2035 DD 01/23/24	20,000	19,908	
	JPMORGAN CHASE & COVAR RT 04/22/2035 DD 04/22/24	60,000	61,391	
	JPMORGAN CHASE & COVAR RT 04/22/2041 DD 04/22/20	701,116	556,508	
	JPMORGAN CHASE & COVAR RT 07/22/2035 DD 07/22/24	160,000	158,293	
	JPMORGAN CHASE & COVAR RT 07/24/2038 DD 07/24/17	190,156	162,233	
	JPMORGAN CHASE & COVAR RT 10/22/2035 DD 10/22/24	55,000	52,983	
	JPMORGAN CHASE & COVAR RT 11/15/2048 DD 11/10/17	99,506	78,253	
	JPMORGAN CHASE & COVAR RT 11/29/2045 DD 11/29/24	582,569	566,637	
	KAISER FOUNDATION HOSPITALS2.810% 06/01/2041 DD 06/15/21	65,000	46,048	
	KAISER FOUNDATION HOSPITALS3.002% 06/01/2051 DD 06/15/21	90,000	58,538	
	KAISER FOUNDATION HOSPITALS4.150% 05/01/2047 DD 05/03/17	11,167	8,165	
	KENVUE INC5.050% 03/22/2053 DD 09/22/23	44,711	41,774	
	KENVUE INC5.100% 03/22/2043 DD 09/22/23	24,935	24,005	
	KENVUE INC5.200% 03/22/2063 DD 09/22/23	59,580	55,540	
	KEYSPAN GAS EAST CORP 144A3.586% 01/18/2052 DD 01/18/22	95,000	63,145	
	KRAFT HEINZ FOODS CO4.375% 06/01/2046 DD 05/24/16	71,305	64,782	
	KRAFT HEINZ FOODS CO5.200% 07/15/2045 DD 07/15/16	54,050	49,745	
	KROGER CO/THE5.500% 09/15/2054 DD 08/27/24	9,959	9,431	
	KROGER CO/THE5.650% 09/15/2064 DD 08/27/24	104,533	98,898	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	LOCKHEED MARTIN CORP3.800% 03/01/2045 DD 02/20/15	\$ 51,464	\$ 43,396	
	LOCKHEED MARTIN CORP4.150% 06/15/2053 DD 05/05/22	112,806	100,058	
	LOCKHEED MARTIN CORP5.200% 02/15/2055 DD 05/25/23	19,956	18,850	
	LOCKHEED MARTIN CORP5.200% 02/15/2064 DD 01/29/24	59,807	55,798	
	LOCKHEED MARTIN CORP5.900% 11/15/2063 DD 10/24/22	34,699	36,623	
	LOWE'S COS INC4.050% 05/03/2047 DD 05/03/17	96,961	81,591	
	LOWE'S COS INC4.250% 09/15/2044 DD 09/10/14	11,549	7,750	
	MARSH & MCLENNAN COS INC4.750% 03/15/2039 DD 01/15/19	125,032	111,132	
	MARSH & MCLENNAN COS INC5.000% 03/15/2035 DD 11/08/24	184,686	180,665	
	MASS GENERAL BRIGHAM INC3.342% 07/01/2060 DD 01/29/20	40,627	39,793	
	MASSACHUSETTS INSTITUTE OF TEC2.989% 07/01/2050 DD 12/20/19	65,015	43,770	
	MASTERCARD INC2.950% 03/15/2051 DD 03/04/21	64,384	42,063	
	MASTERCARD INC3.850% 03/26/2050 DD 03/26/20	9,958	7,750	
	MCDONALD'S CORP4.450% 09/01/2048 DD 08/15/18	26,593	20,870	
	MCDONALD'S CORP4.875% 12/09/2045 DD 12/09/15	324,910	261,078	
	MERCK & CO INC4.150% 05/18/2043 DD 05/20/13	51,487	50,305	
	MERCK & CO INC4.900% 05/17/2044 DD 05/17/23	89,463	83,184	
	MERCK & CO INC5.000% 05/17/2053 DD 05/17/23	94,619	86,593	
	META PLATFORMS INC5.400% 08/15/2054 DD 08/09/24	49,801	48,452	
	META PLATFORMS INC5.550% 08/15/2064 DD 08/09/24	124,460	122,378	
	META PLATFORMS INC5.600% 05/15/2053 DD 05/03/23	153,926	155,268	
	META PLATFORMS INC5.750% 05/15/2063 DD 05/03/23	84,747	85,977	
	METLIFE INC4.050% 03/01/2045 DD 03/05/15	61,418	48,085	
	MEXICO GOVERNMENT INTERNATIONAL4.400% 02/12/2052	403,404	273,516	
	MEXICO GOVERNMENT INTERNATIONAL4.750% 03/08/2044	111,433	103,191	
	MEXICO GOVERNMENT INTERNATIONAL5.000% 04/27/2051	217,560	157,598	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	MEXICO GOVERNMENT INTERNATIONAL 6.400% 05/07/2054 DD 01/08/24	\$ 198,646	\$ 179,098	
	MICROSOFT CORP 2.525% 06/01/2050 DD 06/01/20	119,277	87,651	
	MICROSOFT CORP 2.921% 03/17/2052 DD 03/17/21	461,534	306,923	
	MORGAN STANLEY VAR RT 07/22/2038 DD 07/24/17	354,772	306,295	
	MORGAN STANLEY VAR RT 11/19/2055 DD 11/20/24	150,000	144,876	
	MPLX LP 4.900% 04/15/2058 DD 02/08/18	34,938	28,314	
	NASDAQ INC 5.950% 08/15/2053 DD 06/28/23	85,264	85,841	
	NASDAQ INC 6.100% 06/28/2063 DD 06/28/23	105,052	107,009	
	NATIONAL RURAL UTILITIES COOPE 4.300% 03/15/2049 DD 01/31/19	57,296	40,468	
	NATIONWIDE MUTUAL INSURANCE 144A 9.375% 08/15/2039 DD 08/10/09	286,504	216,677	
	NEVADA POWER CO 3.125% 08/01/2050 DD 01/30/20	19,992	12,784	
	NEW YORK LIFE INSURANCE C 144A 3.750% 05/15/2050 DD 04/14/20	19,878	14,563	
	NIKE INC 3.250% 03/27/2040 DD 03/27/20	39,750	30,877	
	NISOURCE INC 4.375% 05/15/2047 DD 05/22/17	95,329	61,384	
	NISOURCE INC 5.000% 06/15/2052 DD 06/10/22	19,923	17,727	
	NORFOLK SOUTHERN CORP 3.050% 05/15/2050 DD 05/11/20	49,883	32,378	
	NORFOLK SOUTHERN CORP 3.155% 05/15/2055 DD 05/15/20	93,560	60,797	
	NORFOLK SOUTHERN CORP 3.942% 11/01/2047 DD 05/01/18	21,095	16,162	
	NORFOLK SOUTHERN CORP 4.050% 08/15/2052 DD 02/15/18	23,429	23,056	
	NORFOLK SOUTHERN CORP 4.800% 08/15/2043 DD 08/13/13	88,616	68,950	
	NORFOLK SOUTHERN CORP 5.350% 08/01/2054 DD 08/02/23	53,468	52,439	
	NORTHERN STATES POWER CO/MN 2.600% 06/01/2051 DD 06/15/20	52,003	31,679	
	NORTHERN STATES POWER CO/MN 2.900% 03/01/2050 DD 09/10/19	29,421	19,226	
	NORTHERN STATES POWER CO/MN 3.600% 09/15/2047 DD 09/13/17	71,721	59,175	
	NORTHROP GRUMMAN CORP 4.030% 10/15/2047 DD 10/13/17	112,740	94,277	
	NORTHROP GRUMMAN CORP 5.200% 06/01/2054 DD 01/31/24	189,267	176,732	
	NOVARTIS CAPITAL CORP 2.750% 08/14/2050 DD 02/14/20	53,742	34,945	

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Corporate Obligations (Continued)				
	NOVARTIS CAPITAL CORP4.700% 09/18/2054 DD 09/18/24	\$ 114,926	\$ 101,662	
	NVIDIA CORP3.500% 04/01/2040 DD 03/31/20	19,960	16,551	
	NVIDIA CORP3.500% 04/01/2050 DD 03/31/20	127,395	100,470	
	OGLETHORPE POWER CORP 144A5.800% 06/01/2054 DD 06/21/24	29,921	29,471	
	OGLETHORPE POWER CORP4.500% 04/01/2047 DD 04/01/23	54,756	45,110	
	OGLETHORPE POWER CORP5.050% 10/01/2048 DD 04/01/19	85,788	79,332	
	OGLETHORPE POWER CORP6.200% 12/01/2053 DD 12/05/23	49,264	51,572	
	OHIO EDISON CO6.875% 07/15/2036 DD 06/26/06	107,891	88,262	
	ONCOR ELECTRIC DELIVERY CO LLC2.700% 11/15/2051 DD 11/16/21	42,497	26,574	
	ONCOR ELECTRIC DELIVERY CO LLC4.550% 12/01/2041 DD 06/01/12	157,642	123,830	
	ONEOK INC4.450% 09/01/2049 DD 08/15/19	15,237	15,618	
	ONEOK INC5.700% 11/01/2054 DD 09/24/24	109,691	103,553	
	ONEOK INC5.850% 11/01/2064 DD 09/24/24	109,668	103,351	
	ONEOK INC6.625% 09/01/2053 DD 08/24/23	22,190	21,052	
	ONEOK INC7.150% 01/15/2051 DD 05/07/20	19,041	21,740	
	ONEOK PARTNERS LP6.125% 02/01/2041 DD 01/26/11	10,419	9,967	
	ONEOK PARTNERS LP6.850% 10/15/2037 DD 09/28/07	109,673	107,733	
	ORACLE CORP3.600% 04/01/2040 DD 04/01/20	261,383	201,228	
	ORACLE CORP3.600% 04/01/2050 DD 04/01/20	273,655	182,317	
	ORACLE CORP3.800% 11/15/2037 DD 11/09/17	94,643	79,385	
	ORACLE CORP4.000% 07/15/2046 DD 07/07/16	252,780	238,824	
	ORACLE CORP4.000% 11/15/2047 DD 11/09/17	154,170	122,064	
	ORACLE CORP4.100% 03/25/2061 DD 03/24/21	19,247	18,004	
	ORACLE CORP4.125% 05/15/2045 DD 05/05/15	4,571	3,948	
	ORACLE CORP5.375% 07/15/2040 DD 07/15/11	232,116	183,111	
	ORACLE CORP5.375% 09/27/2054 DD 09/27/24	84,761	78,335	
	O'REILLY AUTOMOTIVE INC5.000% 08/19/2034 DD 08/19/24	44,902	43,686	

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Corporate Obligations (Continued)				
	OTIS WORLDWIDE CORP3.112% 02/15/2040 DD 08/15/20	\$ 100,462	\$ 74,869	
	OTIS WORLDWIDE CORP3.362% 02/15/2050 DD 08/15/20	30,209	20,678	
	PACIFIC GAS AND ELECTRIC CO3.500% 08/01/2050 DD 06/19/20	105,202	85,796	
	PACIFIC GAS AND ELECTRIC CO3.950% 12/01/2047 DD 11/29/17	227,198	186,955	
	PACIFIC GAS AND ELECTRIC CO4.450% 04/15/2042 DD 04/16/12	7,603	8,298	
	PACIFIC GAS AND ELECTRIC CO4.500% 07/01/2040 DD 07/02/20	79,540	60,486	
	PACIFIC GAS AND ELECTRIC CO4.950% 07/01/2050 DD 07/02/20	95,916	90,169	
	PACIFIC GAS AND ELECTRIC CO5.250% 03/01/2052 DD 02/18/22	108,675	99,594	
	PACIFIC GAS AND ELECTRIC CO6.700% 04/01/2053 DD 03/30/23	10,378	10,838	
	PACIFIC GAS AND ELECTRIC CO6.750% 01/15/2053 DD 01/06/23	124,718	138,609	
	PACIFICORP4.125% 01/15/2049 DD 07/13/18	54,877	42,737	
	PANAMA GOVERNMENT INTERNATIONAL4.500% 04/01/2056 DD 04/01/20	200,000	117,586	
	PANAMA GOVERNMENT INTERNATIONAL6.875% 01/31/2036 DD 10/04/23	199,996	187,514	
	PARAMOUNT GLOBAL4.375% 03/15/2043 DD 03/15/13	37,366	34,247	
	PARAMOUNT GLOBAL5.250% 04/01/2044 DD 03/11/14	57,077	54,447	
	PARAMOUNT GLOBAL5.850% 09/01/2043 DD 08/19/13	59,562	62,621	
	PECO ENERGY CO3.000% 09/15/2049 DD 09/10/19	34,712	22,860	
	PEPSICO INC5.250% 07/17/2054 DD 07/17/24	119,694	116,273	
	PERUVIAN GOVERNMENT INTERNATIONAL5.375% 02/08/2035	35,088	33,606	
	PERUVIAN GOVERNMENT INTERNATIONAL5.875% 08/08/2054	170,675	161,983	
	PFIZER INC3.900% 03/15/2039 DD 03/11/19	86,981	67,545	
	PFIZER INC4.125% 12/15/2046 DD 11/21/16	128,524	96,788	
	PFIZER INVESTMENT ENTERPRISES5.110% 05/19/2043 DD 05/19/23	148,151	141,012	
	PFIZER INVESTMENT ENTERPRISES5.300% 05/19/2053 DD 05/19/23	54,918	51,579	
	PFIZER INVESTMENT ENTERPRISES5.340% 05/19/2063 DD 05/19/23	102,960	96,541	
	PHILIP MORRIS INTERNATIONAL IN4.900% 11/01/2034 DD 11/01/24	87,916	86,506	
	PHILLIPS 663.300% 03/15/2052 DD 11/15/21	45,225	41,939	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	PUBLIC SERVICE CO OF COLORADO5.250% 04/01/2053 DD 04/03/23	\$ 29,789	\$ 27,888	
	PUBLIC SERVICE CO OF NEW HAMPS3.600% 07/01/2049 DD 06/28/19	39,253	32,763	
	PUGET SOUND ENERGY INC3.250% 09/15/2049 DD 08/30/19	58,032	40,148	
	PUGET SOUND ENERGY INC4.300% 05/20/2045 DD 05/26/15	60,439	36,807	
	QUALCOMM INC4.300% 05/20/2047 DD 05/26/17	79,835	57,095	
	QUALCOMM INC4.500% 05/20/2052 DD 05/09/22	107,603	92,367	
	QUALCOMM INC6.000% 05/20/2053 DD 11/09/22	16,125	15,693	
	REALTY INCOME CORP5.375% 09/01/2054 DD 08/26/24	19,675	19,016	
	REPUBLIC OF POLAND GOVERNMENT5.500% 03/18/2054 DD 03/18/24	74,131	69,129	
	REYNOLDS AMERICAN INC5.850% 08/15/2045 DD 06/12/15	71,474	61,985	
	RIO TINTO FINANCE USA LTD5.200% 11/02/2040 DD 11/02/10	53,707	43,430	
	RIO TINTO FINANCE USA PLC4.125% 08/21/2042 DD 08/21/12	24,553	20,938	
	RIO TINTO FINANCE USA PLC5.125% 03/09/2053 DD 03/09/23	192,034	180,714	
	ROGERS COMMUNICATIONS INC4.500% 03/15/2042 DD 03/15/23	64,348	54,933	
	ROYALTY PHARMA PLC3.300% 09/02/2040 DD 03/02/21	48,485	36,179	
	ROYALTY PHARMA PLC3.350% 09/02/2051 DD 07/26/21	229,278	149,408	
	ROYALTY PHARMA PLC3.550% 09/02/2050 DD 03/02/21	138,761	103,368	
	RTX CORP3.750% 11/01/2046 DD 11/01/16	163,421	128,478	
	RTX CORP4.050% 05/04/2047 DD 05/04/17	41,765	35,375	
	RTX CORP4.200% 12/15/2044 DD 06/15/20	180,293	115,662	
	RTX CORP4.625% 11/16/2048 DD 08/16/18	32,116	21,270	
	SALESFORCE INC2.900% 07/15/2051 DD 07/12/21	88,347	60,825	
	SAN DIEGO GAS & ELECTRIC CO3.700% 03/15/2052 DD 03/11/22	63,174	46,984	
	SAUDI ARABIAN OIL CO 144A5.875% 07/17/2064 DD 07/17/24	197,000	186,516	
	SEMPRA3.800% 02/01/2038 DD 01/12/18	173,368	152,971	
	SHELL FINANCE US INC3.250% 04/06/2050 DD 10/06/24	25,971	23,581	
	SHELL FINANCE US INC3.750% 09/12/2046 DD 09/12/24	28,884	26,324	
	SHELL FINANCE US INC4.000% 05/10/2046 DD 05/10/24	232,429	210,901	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	SHELL INTERNATIONAL FINANCE BV2.875% 11/26/2041 DD 11/26/21	\$ 117,658	\$ 91,978	
	SHELL INTERNATIONAL FINANCE BV3.000% 11/26/2051 DD 11/26/21	30,069	19,021	
	SHERWIN-WILLIAMS CO/THE4.500% 06/01/2047 DD 05/16/17	71,401	63,151	
	SIMON PROPERTY GROUP LP3.250% 09/13/2049 DD 09/13/19	69,721	47,097	
	SOUTHERN CALIFORNIA EDISON CO3.450% 02/01/2052 DD 01/13/22	64,782	44,028	
	SOUTHERN CALIFORNIA EDISON CO3.600% 02/01/2045 DD 01/16/15	168,469	129,388	
	SOUTHERN CALIFORNIA EDISON CO3.650% 02/01/2050 DD 01/09/20	134,896	93,006	
	SOUTHERN CALIFORNIA EDISON CO3.900% 03/15/2043 DD 03/07/13	11,794	9,469	
	SOUTHERN CALIFORNIA EDISON CO4.000% 04/01/2047 DD 03/24/17	78,929	69,341	
	SOUTHERN CALIFORNIA EDISON CO4.125% 03/01/2048 DD 03/05/18	16,191	15,588	
	SOUTHERN CALIFORNIA EDISON CO4.875% 03/01/2049 DD 03/15/19	22,948	21,879	
	SOUTHERN CALIFORNIA EDISON CO5.450% 06/01/2052 DD 05/23/22	54,661	51,747	
	SOUTHERN CALIFORNIA EDISON CO5.875% 12/01/2053 DD 05/22/23	81,348	79,578	
	SOUTHERN CALIFORNIA EDISON CO5.950% 02/01/2038 DD 01/22/08	61,845	51,216	
	SOUTHERN CALIFORNIA GAS CO3.950% 02/15/2050 DD 06/04/19	54,691	53,251	
	SOUTHERN CALIFORNIA GAS CO5.600% 04/01/2054 DD 03/18/24	54,383	53,920	
	SOUTHERN CO GAS CAPITAL CORP3.150% 09/30/2051 DD 09/10/21	49,557	32,348	
	SOUTHERN CO/THE4.400% 07/01/2046 DD 05/24/16	156,523	124,154	
	SOUTHWESTERN PUBLIC SERVICE CO3.150% 05/01/2050 DD 05/18/20	39,814	25,950	
	SPECTRA ENERGY PARTNERS LP4.500% 03/15/2045 DD 03/12/15	7,121	7,407	
	SUNCOR ENERGY INC3.750% 03/04/2051 DD 03/04/21	52,865	49,147	
	SUNCOR ENERGY INC6.800% 05/15/2038 DD 05/15/08	59,514	52,180	
	SUTTER HEALTH3.161% 08/15/2040 DD 10/29/20	70,000	52,441	
	SUTTER HEALTH3.361% 08/15/2050 DD 10/29/20	39,000	27,456	
	TAKEDA PHARMACEUTICAL CO LTD5.650% 07/05/2054 DD 07/05/24	224,033	217,361	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	TAPESTRY INC5.500% 03/11/2035 DD 12/11/24	\$ 69,905	\$ 68,065	
	TARGA RESOURCES CORP4.950% 04/15/2052 DD 04/06/22	102,352	88,679	
	TARGA RESOURCES CORP6.250% 07/01/2052 DD 07/07/22	34,676	34,977	
	TEXAS INSTRUMENTS INC5.050% 05/18/2063 DD 05/18/23	59,500	54,161	
	TEXAS INSTRUMENTS INC5.150% 02/08/2054 DD 02/08/24	34,720	32,835	
	TIME WARNER CABLE LLC5.500% 09/01/2041 DD 09/12/11	524,962	416,598	
	T-MOBILE USA INC3.000% 02/15/2041 DD 02/15/21	139,401	124,973	
	T-MOBILE USA INC4.375% 04/15/2040 DD 04/15/21	106,821	91,084	
	T-MOBILE USA INC5.250% 06/15/2055 DD 09/26/24	149,672	136,442	
	T-MOBILE USA INC5.650% 01/15/2053 DD 09/15/22	29,921	29,101	
	TOTALENERGIES CAPITAL INTERNAT2.986% 06/29/2041 DD 06/29/20	27,588	21,560	
	TOTALENERGIES CAPITAL INTERNAT3.386% 06/29/2060 DD 06/29/20	71,889	51,826	
	TOTALENERGIES CAPITAL SA5.275% 09/10/2054 DD 09/10/24	29,424	27,781	
	TOTALENERGIES CAPITAL SA5.425% 09/10/2064 DD 09/10/24	134,619	125,345	
	TOTALENERGIES CAPITAL SA5.488% 04/05/2054 DD 04/05/24	195,480	187,216	
	TOTALENERGIES CAPITAL SA5.638% 04/05/2064 DD 04/05/24	50,903	47,905	
	TRANE TECHNOLOGIES FINANCING L4.500% 03/21/2049 DD 03/21/19	65,401	51,527	
	TRANE TECHNOLOGIES GLOBAL HOLD4.300% 02/21/2048 DD 02/21/18	49,825	41,364	
	TYSON FOODS INC5.100% 09/28/2048 DD 09/28/18	39,762	39,987	
	UNION ELECTRIC CO4.000% 04/01/2048 DD 04/06/18	14,935	11,664	
	UNION PACIFIC CORP3.950% 08/15/2059 DD 08/05/19	19,841	14,565	
	UNION PACIFIC CORP4.100% 09/15/2067 DD 09/19/17	137,117	112,704	
	UNITEDHEALTH GROUP INC2.750% 05/15/2040 DD 05/18/20	24,271	17,689	
	UNITEDHEALTH GROUP INC2.900% 05/15/2050 DD 05/18/20	23,322	21,762	
	UNITEDHEALTH GROUP INC3.050% 05/15/2041 DD 05/19/21	78,756	65,117	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	UNITEDHEALTH GROUP INC3.500% 08/15/2039 DD 07/25/19	\$ 191,980	\$ 146,372	
	UNITEDHEALTH GROUP INC3.700% 08/15/2049 DD 07/25/19	77,975	54,640	
	UNITEDHEALTH GROUP INC3.750% 10/15/2047 DD 10/25/17	94,122	70,892	
	UNITEDHEALTH GROUP INC3.875% 08/15/2059 DD 07/25/19	14,928	10,632	
	UNITEDHEALTH GROUP INC4.250% 04/15/2047 DD 03/13/17	21,582	16,225	
	UNITEDHEALTH GROUP INC4.950% 05/15/2062 DD 05/20/22	49,510	43,161	
	UNITEDHEALTH GROUP INC5.375% 04/15/2054 DD 03/21/24	169,514	159,635	
	UNITEDHEALTH GROUP INC5.500% 04/15/2064 DD 03/21/24	219,492	205,913	
	UNITEDHEALTH GROUP INC5.500% 07/15/2044 DD 07/25/24	54,495	53,451	
	UNITEDHEALTH GROUP INC6.050% 02/15/2063 DD 10/28/22	22,061	20,449	
	UNUM GROUP4.500% 12/15/2049 DD 09/11/19	78,674	71,489	
	VERIZON COMMUNICATIONS INC4.812% 03/15/2039 DD 02/03/17	669,570	618,470	
	VIRGINIA ELECTRIC AND POWER CO2.950% 11/15/2051 DD 11/22/21	86,113	62,367	
	VIRGINIA ELECTRIC AND POWER CO4.625% 05/15/2052 DD 05/31/22	58,052	50,570	
	VIRGINIA ELECTRIC AND POWER CO4.650% 08/15/2043 DD 08/15/13	113,103	87,778	
	VIRGINIA ELECTRIC AND POWER CO5.450% 04/01/2053 DD 03/30/23	49,664	47,656	
	VIRGINIA ELECTRIC AND POWER CO5.550% 08/15/2054 DD 08/12/24	59,739	58,087	
	VISA INC4.300% 12/14/2045 DD 12/14/15	68,137	55,665	
	VODAFONE GROUP PLC5.750% 06/28/2054 DD 06/28/24	208,811	202,738	
	WALMART INC4.050% 06/29/2048 DD 06/27/18	46,618	45,246	
	WALMART INC4.500% 04/15/2053 DD 04/18/23	94,737	82,797	
	WARNERMEDIA HOLDINGS INC5.141% 03/15/2052 DD 03/15/23	269,306	223,962	
	WARNERMEDIA HOLDINGS INC5.391% 03/15/2062 DD 03/15/23	201,788	162,439	
	WASTE MANAGEMENT INC5.350% 10/15/2054 DD 11/04/24	144,941	139,507	
	WELLS FARGO & CO4.650% 11/04/2044 DD 11/04/14	450,203	357,174	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	WELLS FARGO & COVAR RT 01/23/2035 DD 01/23/24	\$ 24,988	\$ 24,929	
	WELLS FARGO & COVAR RT 04/04/2051 DD 03/30/20	49,210	40,001	
	WELLS FARGO & COVAR RT 04/25/2053 DD 04/25/22	44,780	41,871	
	WELLS FARGO & COVAR RT 07/25/2034 DD 07/25/23	365,000	364,438	
	WELLS FARGO & COVAR RT 10/23/2034 DD 10/23/23	192,135	201,877	
	WELLS FARGO & COVAR RT 12/03/2035 DD 12/03/24	100,000	97,319	
	WELLTOWER OP LLC6.500% 03/15/2041 DD 03/14/11	65,552	58,867	
	WHISTLER PIPELINE LLC 144A5.950% 09/30/2034 DD 08/05/24	134,672	135,416	
	WILLIAMS COS INC/THE5.800% 11/15/2043 DD 11/15/13	50,114	43,971	
	WILLIAMS COS INC/THE6.300% 04/15/2040 DD 02/09/10	71,268	64,604	
Total Corporate Obligations		50,036,958	42,678,792	
U.S. Government Obligations				
	U S TREASURY BD PRIN STRIP0.000% 02/15/2040 DD 02/16/10	2,667,745	2,419,753	
	U S TREASURY BD PRIN STRIP0.000% 02/15/2046 DD 02/16/16	632,059	555,985	
	U S TREASURY BD PRIN STRIP0.000% 08/15/2043 DD 08/15/13	4,443,816	3,824,834	
	U S TREASURY BD PRIN STRIP0.000% 08/15/2052 DD 08/15/22	932,843	699,975	
	U S TREASURY BD PRIN STRIP0.000% 11/15/2048 DD 11/15/18	365,221	349,664	
	U S TREASURY BOND1.625% 11/15/2050 DD 11/15/20	1,042,083	697,377	
	U S TREASURY BOND1.875% 02/15/2051 DD 02/15/21	1,866,812	1,264,640	
	U S TREASURY BOND1.875% 11/15/2051 DD 11/15/21	3,125,988	2,127,433	
	U S TREASURY BOND2.250% 02/15/2052 DD 02/15/22	1,356,674	1,062,845	
	U S TREASURY BOND2.875% 05/15/2052 DD 05/15/22	650,246	561,841	
	U S TREASURY BOND3.000% 02/15/2047 DD 02/15/17	5,344,606	4,006,530	
	U S TREASURY BOND3.000% 02/15/2048 DD 02/15/18	4,996,351	2,879,514	
	U S TREASURY BOND3.000% 02/15/2049 DD 02/15/19	984,029	593,833	
	U S TREASURY BOND3.000% 05/15/2047 DD 05/15/17	21,900,765	15,952,798	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
U.S. Government Obligations				
(Continued)				
		U S TREASURY BOND3.000% 08/15/2048 DD 08/15/18	\$ 1,493,608	\$ 950,833
		U S TREASURY BOND3.000% 08/15/2052 DD 08/15/22	2,193,870	1,872,958
		U S TREASURY BOND3.375% 11/15/2048 DD 11/15/18	785,168	715,667
		U S TREASURY BOND4.125% 08/15/2053 DD 08/15/23	397,712	376,487
		U S TREASURY NOTE3.375% 05/15/2033 DD 05/15/23	825,986	804,178
		U S TREASURY NOTE4.000% 02/15/2034 DD 02/15/24	4,847,874	4,790,573
		U S TREASURY NOTE4.250% 11/15/2034 DD 11/15/24	1,911,720	1,885,116
		U S TREASURY NOTE4.500% 11/15/2033 DD 11/15/23	1,000,512	950,827
		US TREAS-CPI INFLAT1.375% 02/15/2044 DD 02/15/14	924,826	918,517
Total U.S. Government Obligations			64,690,514	50,262,178
Total 401(h) Investments			226,632,157	234,386,781
Total Investments			\$3,830,573,537	\$3,882,355,923

* A party-in-interest, as defined by ERISA.

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	ABBVIE INC3.200% 11/21/2029 DD 05/21/20	\$ (486,246)	\$ 491,735
	AERCAP IRELAND CAPITAL DAC / AVAR RT 03/10/2055 DD 07/11/24	(340,000)	343,060
	AMAZON.COM INC3.150% 08/22/2027 DD 02/22/18	(430,089)	434,560
	AMERICAN EXPRESS COVAR RT 04/25/2030 DD 04/25/24	(376,295)	378,834
	AMERICAN EXPRESS COVAR RT 07/26/2028 DD 07/26/24	(250,000)	253,394
	ANGLO AMERICAN CAPITAL PL 144A5.750% 04/05/2034 DD 04/05/24	(698,187)	712,789
	APACHE CORP5.100% 09/01/2040 DD 08/20/10	(308,488)	311,142
	ASTRAZENECA FINANCE LLC4.800% 02/26/2027 DD 02/26/24	(464,219)	463,419
	ASTRAZENECA FINANCE LLC4.850% 02/26/2029 DD 02/26/24	(1,047,368)	1,043,594
	AUTOMATIC DATA PROCESSING INC4.450% 09/09/2034 DD 09/09/24	(99,641)	100,224
	BAE SYSTEMS PLC 144A5.250% 03/26/2031 DD 03/26/24	(1,602,516)	1,613,676
	BGC GROUP INC 144A6.600% 06/10/2029 DD 06/10/24	(166,668)	167,592
	BGC GROUP INC6.600% 06/10/2029 DD 06/10/24	(81,920)	83,657
	BMW US CAPITAL LLC 144A4.900% 04/02/2029 DD 04/02/24	(798,880)	791,888
	BPCE SA 144AVAR RT 05/30/2035 DD 05/30/24	(644,180)	646,531
	BANK OF AMERICA CORPVAR RT 10/01/2025 DD 09/18/17	(2,125,447)	2,134,912
	BANK OF AMERICA CORPVAR RT 08/15/2035 DD 08/15/24	(70,771)	69,610
	BANK OF IRELAND GROUP PLC 144AVAR RT 03/20/2030 DD 03/20/24	(1,022,136)	1,027,669
	BANK OF NEW YORK MELLON CORP/TVAR RT 03/14/2030 DD 03/14/24	(310,000)	307,678
	BANK OF NEW YORK MELLON CORP/TVAR RT 03/14/2035 DD 03/14/24	(555,236)	542,562
	BERRY GLOBAL INC 144A5.650% 01/15/2034 DD 01/17/24	(358,970)	361,300
	BOEING CO/THE 144A6.388% 05/01/2031 DD 05/01/24	(950,000)	966,174
	BOEING CO/THE 144A6.528% 05/01/2034 DD 05/01/24	(415,000)	418,565
	BOEING CO/THE 144A6.858% 05/01/2054 DD 05/01/24	(485,000)	513,663
	BOEING CO/THE 144A7.008% 05/01/2064 DD 05/01/24	(1,410,000)	1,532,476
	BRIGHTHOUSE FINANCIAL GLO 144A5.550% 04/09/2027 DD 04/11/24	(670,096)	674,225
	BRIGHTHOUSE FINANCIAL GLO 144A5.650% 06/10/2029 DD 06/10/24	(618,222)	625,312

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	CI FINANCIAL CORP 144A7.500% 05/30/2029 DD 05/30/24	\$ (504,798)	\$ 507,270
	CAIXABANK SA 144AVAR RT 03/15/2030 DD 03/15/24	(693,276)	700,301
	CAIXABANK SA 144AVAR RT 06/15/2035 DD 03/15/24	(271,958)	270,084
	CANADIAN IMPERIAL BANK OF COMM6.092% 10/03/2033 DD 10/03/23	(789,919)	788,443
	CAPITAL ONE FINANCIAL CORPVAR RT 11/02/2032 DD 11/02/21	(131,743)	134,181
	CAPITAL ONE FINANCIAL CORPVAR RT 06/08/2034 DD 06/08/23	(61,744)	61,269
	CAPITAL ONE FINANCIAL CORPVAR RT 02/01/2035 DD 02/01/24	(1,015,000)	1,054,251
	CAPITAL ONE FINANCIAL CORPVAR RT 07/26/2035 DD 07/26/24	(85,108)	89,385
	CARRIER GLOBAL CORP2.722% 02/15/2030 DD 08/15/20	(151,866)	154,592
	CHENIERE ENERGY PARTNERS LP5.950% 06/30/2033 DD 12/30/23	(578,689)	587,917
	CISCO SYSTEMS INC4.800% 02/26/2027 DD 02/26/24	(334,565)	334,879
	CISCO SYSTEMS INC4.850% 02/26/2029 DD 02/26/24	(494,827)	495,287
	CITIGROUP INCVAR RT 06/03/2031 DD 06/03/20	(85,599)	83,980
	CITIGROUP INCVAR RT 11/03/2032 DD 11/03/21	(129,917)	129,086
	CITIGROUP INCVAR RT 02/13/2035 DD 02/13/24	(635,041)	640,321
	CITIGROUP INCVAR RT 09/19/2030 DD 09/19/24	(200,000)	199,676
	CITIZENS FINANCIAL GROUP INCVAR RT 01/23/2030 DD 01/23/24	(385,000)	384,307
	COCA-COLA CONSOLIDATED INC5.250% 06/01/2029 DD 05/29/24	(490,832)	499,143
	COMCAST CORP5.650% 06/01/2054 DD 05/22/24	(527,636)	544,013
	COMERICA INCVAR RT 01/30/2030 DD 01/30/24	(1,187,500)	1,193,408
	COMMONSPIRIT HEALTH5.205% 12/01/2031 DD 03/20/24	(605,000)	595,662
	COMMONWEALTH EDISON CO5.300% 06/01/2034 DD 05/13/24	(318,854)	322,000
	CONSTELLATION ENERGY GENERATIO5.750% 03/15/2054 DD 03/15/24	(659,347)	641,164
	CORNELL UNIVERSITY4.835% 06/15/2034 DD 04/11/24	(316,311)	317,365
	COX COMMUNICATIONS INC 144A5.800% 12/15/2053 DD 01/19/24	(614,520)	596,936

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	COX COMMUNICATIONS INC 144A5.450% 09/01/2034 DD 08/20/24	\$ (169,400)	\$ 167,039
	COX COMMUNICATIONS INC 144A5.950% 09/01/2054 DD 08/20/24	(344,558)	327,954
	CREDIT AGRICOLE SA 144AVAR RT 01/10/2035 DD 01/10/24	(815,622)	823,657
	CREDIT AGRICOLE SA 144AVAR RT 10/03/2029 DD 10/03/23	(228,485)	225,073
	UBS GROUP AG 144AVAR RT 04/01/2031 DD 04/01/20	(158,268)	163,288
	DIDI GLOBAL INCADR	(810,869)	798,121
	DAIMLER TRUCK FINANCE NOR 144A5.000% 01/15/2027 DD 01/18/24	(718,798)	724,691
	DIAMONDBACK ENERGY INC5.200% 04/18/2027 DD 04/18/24	(309,540)	311,757
	DIAMONDBACK ENERGY INC5.400% 04/18/2034 DD 04/18/24	(169,454)	167,965
	DOMINION ENERGY INCVAR RT 06/01/2054 DD 05/20/24	(450,000)	475,133
	DUKE ENERGY CORPVAR RT 09/01/2054 DD 08/22/24	(250,000)	258,125
	ERAC USA FINANCE LLC 144A5.000% 02/15/2029 DD 02/08/24	(689,476)	690,856
	ENERGY TRANSFER LP5.550% 05/15/2034 DD 01/25/24	(249,150)	249,180
	ENGIE SA 144A5.250% 04/10/2029 DD 04/10/24	(548,092)	552,222
	META PLATFORMS INC4.300% 08/15/2029 DD 08/09/24	(179,653)	180,997
	FIFTH THIRD BANCORPVAR RT 01/29/2032 DD 01/29/24	(1,253,207)	1,267,431
	GA GLOBAL FUNDING TRUST 144A5.500% 01/08/2029 DD 01/08/24	(333,054)	334,072
	GA GLOBAL FUNDING TRUST 144A4.400% 09/23/2027 DD 09/23/24	(149,913)	148,490
	HALEON US CAPITAL LLC3.375% 03/24/2029 DD 09/24/22	(250,709)	248,940
	GLOBAL ATLANTIC FIN CO 144A4.400% 10/15/2029 DD 10/07/19	(244,261)	243,776
	GLOBAL ATLANTIC FIN CO 144A3.125% 06/15/2031 DD 06/17/21	(453,071)	464,987
	GLOBAL ATLANTIC FIN CO 144A6.750% 03/15/2054 DD 03/15/24	(99,326)	97,138
	GOLDMAN SACHS GROUP INC/THEVAR RT 07/23/2030 DD 07/23/24	(89,894)	90,010
	GOLDMAN SACHS GROUP INC/THEVAR RT 10/23/2030 DD 10/23/24	(165,000)	162,730
	GOLDMAN SACHS BANK USA/NEW YORVAR RT 03/18/2027 DD 03/18/24	(389,983)	389,566
	HEALTH CARE SERVICE CORP 144A5.200% 06/15/2029 DD 06/10/24	(874,125)	881,811

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	HONEYWELL INTERNATIONAL INC4.875% 09/01/2029 DD 03/01/24	\$ (205,000)	\$ 204,887
	HONEYWELL INTERNATIONAL INC4.700% 02/01/2030 DD 08/01/24	(184,841)	188,847
	HUNTINGTON BANCSHARES INC/OHVAR RT 02/02/2035 DD 02/02/24	(988,550)	1,010,634
	HUNTINGTON INGALLS INDUSTRIES4.200% 05/01/2030 DD 11/01/20	(1,163,314)	1,181,605
	HYUNDAI CAPITAL AMERICA 144A5.250% 01/08/2027 DD 01/08/24	(433,464)	435,726
	ICON INVESTMENTS SIX DAC5.809% 05/08/2027 DD 05/08/24	(310,000)	313,416
	ICON INVESTMENTS SIX DAC5.849% 05/08/2029 DD 05/08/24	(1,160,264)	1,182,927
	INDONESIA GOVERNMENT INTERNATI5.150% 09/10/2054 DD 09/10/24	(868,394)	869,645
	INTEL CORP5.600% 02/21/2054 DD 02/21/24	(249,243)	246,654
	INTEL CORP5.000% 02/21/2031 DD 02/21/24	(169,376)	169,993
	JPMORGAN CHASE & COVAR RT 05/06/2030 DD 05/06/19	(304,346)	308,694
	JPMORGAN CHASE & COVAR RT 07/25/2028 DD 07/25/22	(60,141)	60,115
	JPMORGAN CHASE & COVAR RT 04/22/2030 DD 04/22/24	(845,159)	856,981
	JPMORGAN CHASE & COVAR RT 10/22/2028 DD 10/22/24	(345,000)	342,317
	JACKSON NATIONAL LIFE GLO 144A4.600% 10/01/2029 DD 10/01/24	(159,760)	158,346
	KEURIG DR PEPPER INC5.100% 03/15/2027 DD 03/07/24	(294,628)	293,218
	KOREA EXPRESSWAY CORP 144A5.000% 05/14/2027 DD 05/14/24	(208,732)	208,893
	LG ELECTRONICS INC 144A5.625% 04/24/2029 DD 04/24/24	(357,577)	364,043
	LPL HOLDINGS INC5.700% 05/20/2027 DD 05/20/24	(159,939)	160,322
	LPL HOLDINGS INC6.000% 05/20/2034 DD 05/20/24	(198,459)	205,844
	LSEG US FIN CORP 144A5.297% 03/28/2034 DD 03/28/24	(240,000)	240,869
	M&T BANK CORPVAR RT 03/13/2032 DD 03/13/24	(175,000)	172,863
	WARNERMEDIA HOLDINGS INC4.054% 03/15/2029 DD 03/15/23	(930,852)	916,883
	WARNERMEDIA HOLDINGS INC4.279% 03/15/2032 DD 03/15/23	(1,050,208)	1,051,263
	WARNERMEDIA HOLDINGS INC5.050% 03/15/2042 DD 03/15/23	(232,377)	239,328

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	MASSMUTUAL GLOBAL FUNDING 144A5.100% 04/09/2027 DD 04/09/24	\$ (419,874)	\$ 418,193
	MASSMUTUAL GLOBAL FUNDING 144A5.150% 05/30/2029 DD 05/30/24	(249,793)	248,123
	MIZUHO FINANCIAL GROUP INCVAR RT 09/13/2030 DD 09/13/19	(671,325)	685,300
	MIZUHO FINANCIAL GROUP INCVAR RT 05/25/2031 DD 02/25/20	(73,355)	75,477
	MIZUHO FINANCIAL GROUP INCVAR RT 05/22/2032 DD 02/22/21	(335,310)	335,801
	MIZUHO FINANCIAL GROUP INCVAR RT 05/27/2029 DD 02/27/23	(157,423)	157,892
	MIZUHO FINANCIAL GROUP INCVAR RT 05/26/2030 DD 02/26/24	(645,819)	648,042
	MIZUHO FINANCIAL GROUP INCVAR RT 05/26/2035 DD 02/26/24	(306,243)	313,138
	MIZUHO FINANCIAL GROUP INCVAR RT 07/10/2035 DD 07/10/24	(716,546)	727,235
	MORGAN STANLEY BANK NAVAR RT 07/14/2028 DD 07/19/24	(770,280)	773,675
	MORGAN STANLEYVAR RT 04/20/2029 DD 04/21/23	(299,675)	303,891
	MORGAN STANLEYVAR RT 01/16/2030 DD 01/18/24	(600,000)	601,770
	MORGAN STANLEYVAR RT 04/18/2030 DD 04/19/24	(1,090,000)	1,105,554
	MORGAN STANLEYVAR RT 07/19/2035 DD 07/19/24	(285,627)	286,714
	MORGAN STANLEYVAR RT 10/18/2030 DD 10/18/24	(115,000)	113,248
	MUTUAL OF OMAHA COS GLOBA 144A5.350% 04/09/2027 DD 04/09/24	(279,469)	281,280
	NATIONAL AUSTRALIA BANK L 144A5.181% 06/11/2034 DD 06/11/24	(110,646)	108,826
	NATWEST MARKETS PLC 144A5.416% 05/17/2027 DD 05/17/24	(641,314)	648,869
	NETFLIX INC 144A5.375% 11/15/2029 DD 04/29/19	(1,020,830)	998,400
	NEW YORK LIFE GLOBAL FUND 144A5.000% 01/09/2034 DD 01/09/24	(244,980)	243,138
	NEWMONT CORP / NEWCREST F 144A5.300% 03/15/2026 DD 03/07/24	(794,865)	795,580
	NEXTERA ENERGY CAPITAL HOLDINGVAR RT 06/15/2054 DD 06/07/24	(560,000)	582,400
	NORTHERN NATURAL GAS CO 144A5.625% 02/01/2054 DD 01/31/24	(229,966)	223,834
	NORTHWESTERN MUTUAL GLOBA 144A5.070% 03/25/2027 DD 03/25/24	(299,967)	299,433
	ONCOR ELECTRIC DELIVERY CO LLC5.650% 11/15/2033 DD 11/13/23	(310,077)	308,384
	PROVINCE OF ONTARIO CANADA4.200% 01/18/2029 DD 01/18/24	(622,353)	623,683

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	OTIS WORLDWIDE CORP2.565% 02/15/2030 DD 08/15/20	\$ (76,340)	\$ 76,318
	PNC FINANCIAL SERVICES GROUP IVAR RT 07/23/2035 DD 07/23/24	(145,000)	148,148
	PANAMA GOVERNMENT INTERNATIONAL7.875% 03/01/2057 DD 02/29/24	(370,626)	426,281
	PERUVIAN GOVERNMENT INTERNATIO5.875% 08/08/2054 DD 08/08/24	(469,777)	495,330
	PHILLIPS EDISON GROCERY CENTER5.750% 07/15/2034 DD 05/13/24	(580,662)	584,632
	PRINCIPAL LIFE GLOBAL FUN 144A5.100% 01/25/2029 DD 01/25/24	(806,317)	812,333
	PRINCIPAL LIFE GLOBAL FUN 144A4.600% 08/19/2027 DD 08/19/24	(192,320)	192,894
	PRUDENTIAL FINANCIAL INCVAR RT 03/15/2054 DD 03/11/24	(300,000)	296,970
	PROVINCE OF QUEBEC CANADA4.500% 04/03/2029 DD 04/03/24	(376,139)	379,789
	REGENCY CENTERS LP5.250% 01/15/2034 DD 01/18/24	(256,808)	256,165
	RGA GLOBAL FUNDING 144A5.500% 01/11/2031 DD 01/11/24	(224,098)	224,047
	RGA GLOBAL FUNDING 144A5.448% 05/24/2029 DD 05/24/24	(410,000)	412,474
	ROCHE HOLDINGS INC 144A2.076% 12/13/2031 DD 12/13/21	(130,493)	130,805
	ROCHE HOLDINGS INC 144A5.338% 11/13/2028 DD 11/13/23	(233,942)	234,326
	ROCHE HOLDINGS INC 144A4.985% 03/08/2034 DD 03/08/24	(655,000)	654,935
	ROMANIAN GOVERNMENT INTER 144A6.375% 01/30/2034 DD 01/30/24	(719,931)	741,748
	ROYAL BANK OF CANADA5.150% 02/01/2034 DD 01/19/24	(298,495)	294,363
	ROYAL BANK OF CANADAVAR RT 10/18/2030 DD 10/18/24	(160,000)	159,219
	ROYALTY PHARMA PLC5.900% 09/02/2054 DD 06/10/24	(297,732)	319,202
	SMBC AVIATION CAPITAL FIN 144A5.550% 04/03/2034 DD 04/03/24	(997,120)	1,024,800
	SANTANDER HOLDINGS USA INCVAR RT 01/06/2028 DD 01/06/22	(266,948)	270,409
	SANTANDER HOLDINGS USA INCVAR RT 05/31/2027 DD 05/31/24	(255,000)	255,900
	SAUDI GOVERNMENT INTERNAT 144A5.750% 01/16/2054 DD 01/16/24	(1,321,614)	1,371,398
	SMURFIT KAPPA TREASURY UL 144A5.200% 01/15/2030 DD 04/03/24	(199,760)	198,372
	SMURFIT KAPPA TREASURY UL 144A5.777% 04/03/2054 DD 04/03/24	(595,000)	596,214
	SOLVAY FINANCE AMERICA LL 144A5.650% 06/04/2029 DD 06/04/24	(413,200)	416,503

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

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December 31, 2024

(a)	(b)	(c)	(d)
Identity of Issuer, Borrower, Lessor or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Cost of Acquisitions	Proceeds of Dispositions
	SOLVENTUM CORP 144A5.450% 02/25/2027 DD 02/27/24	\$ (374,951)	\$ 376,898
	SOLVENTUM CORP 144A5.450% 03/13/2031 DD 02/27/24	(80,979)	80,839
	SOLVENTUM CORP 144A5.600% 03/23/2034 DD 02/27/24	(418,391)	421,526
	SOLVENTUM CORP 144A5.900% 04/30/2054 DD 02/27/24	(1,224,773)	1,214,314
	STATE STREET CORPVAR RT 02/20/2029 DD 08/20/24	(85,000)	84,626
	SWISS RE SUBORDINATED FIN 144AVAR RT 04/05/2035 DD 04/05/24	(400,252)	399,472
	SYNCHRONY FINANCIALVAR RT 08/02/2030 DD 08/02/24	(105,000)	107,217
	TAMPA ELECTRIC CO4.900% 03/01/2029 DD 01/30/24	(479,674)	481,445
	TOYOTA MOTOR CREDIT CORP4.800% 01/05/2034 DD 01/05/24	(811,444)	798,390
	TRUIST FINANCIAL CORPVAR RT 10/30/2029 DD 10/27/23	(1,190,414)	1,189,333
	TRUIST FINANCIAL CORPVAR RT 01/24/2030 DD 01/24/24	(697,750)	698,350
	TRUIST FINANCIAL CORPVAR RT 01/24/2035 DD 01/24/24	(938,373)	930,660
	UBS GROUP AG 144AVAR RT 02/08/2035 DD 01/08/24	(654,948)	653,408
	UBS GROUP AG 144AVAR RT 09/13/2030 DD 05/13/24	(564,763)	565,836
	MEXICO GOVERNMENT INTERNATIONAL6.350% 02/09/2035 DD 01/09/23	(437,525)	435,329
	US BANCORPVAR RT 01/23/2030 DD 01/23/24	(270,000)	271,442
	US BANCORPVAR RT 01/23/2035 DD 01/23/24	(520,090)	523,467
	VERISK ANALYTICS INC5.250% 06/05/2034 DD 06/05/24	(186,899)	189,236
	VODAFONE GROUP PLC5.875% 06/28/2064 DD 06/28/24	(629,225)	623,868
	VOLKSWAGEN GROUP OF AMERI 144A4.850% 08/15/2027 DD 08/15/24	(133,843)	133,665
	WELLS FARGO & COVAR RT 06/17/2027 DD 06/17/19	(295,670)	298,769
	WELLS FARGO & COVAR RT 01/23/2030 DD 01/23/24	(430,000)	427,722
	WELLS FARGO & COVAR RT 04/22/2028 DD 04/22/24	(460,000)	461,357
	XCEL ENERGY INC5.500% 03/15/2034 DD 02/29/24	(237,533)	238,906
	US TREAS-CPI INFLAT FWD0.25% 02/15/2050 DD 02/15/20	(2,986,659)	2,937,105
	US 10YR ULTRA FUTURE (CBT)EXP JUN 24	-	689,494
	US 10YR ULTRA FUTURE (CBT)EXP SEP 24	-	(1,545,308)

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	US 10YR ULTRA FUTURE (CBT)EXP DEC 24	\$ -	\$ (10,490)
	US LONG BOND FUTURE (CBT)EXP JUN 24	-	293,474
	US TREAS BD FUTURE (CBT)EXP SEP 24	-	(744,129)
	US TREAS BD FUTURE (CBT)EXP DEC 24	-	1,505,852
	US 10YR NOTE FUTURE (CBT)EXP JUN 24	-	41,712
	US 10YR NOTE FUTURE (CBT)EXP SEP 24	-	(195,221)
	US 10YR TREAS NTS FUTURE (CBT)EXP DEC 24	-	291,176
	US 5YR NOTE FUTURE (CBT)EXP JUN 24	-	(1,133,367)
	US 5YR NOTE FUTURE (CBT)EXP SEP 24	-	2,934,568
	US 5YR TREAS NTS FUTURE (CBT)EXP DEC 24	-	(2,075,688)
	US 2YR NOTE FUTURE (CBT)EXP JUN 24	-	(166,453)
	US 2YR NOTE FUTURE (CBT)EXP SEP 24	-	451,650
	US 2YR TREAS NTS FUT (CBT)EXP DEC 24	-	(263,453)
	US ULTRA BOND (CBT)EXP JUN 24	-	(1,152,612)
	US ULTRA BOND FUTURE (CBT)EXP SEP 24	-	5,803,070
	US ULTRA BOND FUTURE (CBT)EXP DEC 24	-	(8,076,941)
	US TREAS INFLAT INDEXED BD FWD0.250% 02/15/2050 DD 02/15/20	(3,162,475)	3,112,693
	US TREAS INFLAT INDEXED BONDS0.250% 02/15/2050 DD 02/28/20	(3,125,322)	3,042,116
	US TREAS INFLAT INDEXED BONDS0.250% 02/15/2050 DD 02/15/20	(3,053,870)	3,079,266
	US TREAS INFLAT INDEXED BONDS0.250% 02/15/2050 DD 02/28/20	(3,087,026)	2,980,481
	US TREAS INFLAT INDEXED BD FWD0.250% 02/15/2050 DD 02/15/20	(2,949,817)	2,982,536
	BRIGADE CREDIT OFFSHORE FUNDII LTD A RU21	(2,872,189)	2,872,189
	BAWAG GROUP AG	(980,954)	979,361
	AZELIS GROUP NV	(1,450,900)	1,401,995
	FUCHS SE	(1,269,667)	1,252,007
	DASSAULT AVIATION SA	(1,568,127)	1,528,521
	STELLANTIS NV	(1,765,165)	1,705,161
	EXOR NV	(74,690)	48,293
	MOONPIG GROUP PLC	(1,340,059)	1,520,199
	FEVERTREE DRINKS PLC	(987,830)	813,179
	RASPBERRY PI HOLDINGS PLC	(335,223)	429,149
	ON THE BEACH GROUP PLC	(1,353,918)	1,630,884
	SMURFIT WESTROCK PLC	(530,849)	528,991
	MEDIATEK INC	(1,268,077)	1,369,287
	ALCHIP TECHNOLOGIES LTD	(2,305,837)	2,503,424
	CAFE DE CORAL HOLDINGS LTD HK/00341	(1,373,033)	1,331,733
	CHINA OVERSEAS GRAND OCEANS GRHK/00081	(1,240,126)	1,226,344
	JEOL LTD	(2,144,553)	1,967,103
	COSMOS PHARMACEUTICAL CORP	(1,088,809)	1,008,086
	BANDAI NAMCO HOLDINGS INC	(1,495,859)	1,397,144
	NEXON CO LTD	(1,520,965)	1,337,003

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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December 31, 2024

(a)	(b)	(c)	(d)
Identity of Issuer, Borrower, Lessor or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Cost of Acquisitions	Proceeds of Dispositions
	AMBEV SA	\$ (2,090,260)	\$ 2,033,997
	HOLDING BURSATIL REGIONAL SA	-	208,551
	GRUPO TRAXION SAB DE CV	(1,853,106)	1,716,946
	KALMAR OYJ	(1,408,836)	1,481,510
Total Assets Acquired and Disposed of Within Year		\$(134,657,907)	\$131,724,595

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4j - Schedule of Reportable Transactions
 EIN: 13-4922641 Plan Number: 001

Year ended December 31, 2024

	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)
Identity of Party Involved	Description of Asset (Include Interest Rate and Maturity in Case of a Loan)	Transaction Count	Purchase Price**	Selling Price**	Lease Rental	Expense Incurred with Transaction	Cost of Asset	Current Value of Asset on Transaction Date	Net Gain (Loss)
Category (iii) - a Series of Transactions									
* AMERICAN ELECTRIC POWER	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	1008	\$ -	\$ 1,270,503,239	\$ -	\$ -	\$ 1,270,503,239	\$ 1,270,503,239	\$ -
* AMERICAN ELECTRIC POWER	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	1426	1,279,468,968	-	-	-	-	1,279,468,968	-
Total Category (iii)			\$ 1,279,468,968	\$ 1,270,503,239	\$ -	\$ -	\$ 1,270,503,239	\$ 2,549,972,207	\$ -

* Party-in-interest to the Plan.

** Purchase price and Selling price represent current value of the transaction(s).

There were no category (i), (ii), or (iv) reportable transactions.

Note: The information in this schedule has been certified as complete and accurate by Bank of New York Mellon/BNY Mellon, N.A.

American Electric Power System Retirement Plan

Schedule G (Form 5500), Part III - Schedule of Nonexempt Transactions for the Year Ended December 31, 2024

EIN: 13-4922641

Plan Number: 001

Payment of Non-Plan Expense

Party involved:	American Electric Power Service Corporation
Relationship to Plan, employer, or other party-in-interest:	Plan Sponsor/Employer
Transaction:	Payment of expense not allocable to Plan
Date of payment:	July 12, 2022
Amount of payments:	\$922.69

Reason Transaction Is Non-Exempt

ERISA Section 406(a)(1)(D) prohibits the use of plan assets by, or transfer of plan assets to, a party in interest (such as an employer whose employees are covered by the plan). The described payment represents an amount that was an obligation of the Company. The Company reimbursed the Plan for the full amount plus lost interest in 2025. Therefore, the Company considers the transactions to have been remediated.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26a Schedule of Active Participant Data as of January 1, 2024

All monetary amounts shown in US Dollars

Attained Age	Years Of Credited Service														
	Under 1			1 to 4			5 to 9			10 to 14			15 to 19		
	No.	Average		No.	Average		No.	Average		No.	Average		No.	Average	
		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.		Comp.	Cash Bal.
Under 25				378	84,684	5,317	11								
25 to 29				838	91,329	7,124	398	113,612	19,747	7					
30 to 34	4			717	95,178	8,589	858	115,607	25,089	198	127,063	42,965	14		
35 to 39	1			568	100,100	9,809	809	118,196	30,138	379	126,017	52,257	349	136,300	79,054
40 to 44	4			421	107,723	11,791	573	116,858	34,064	313	122,007	59,538	688	137,126	93,465
45 to 49	6			287	108,754	13,338	363	113,890	38,338	217	119,099	66,770	570	133,939	108,312
50 to 54	3			222	116,576	14,902	282	116,628	43,779	185	126,035	77,362	451	133,390	121,975
55 to 59	5			153	108,773	15,726	191	117,603	47,662	128	115,409	85,940	308	128,101	136,575
60 to 64	3			92	118,040	19,623	132	111,884	51,102	79	115,275	95,820	181	125,127	152,560
65 to 69				28	96,476	17,442	37	104,641	55,107	28	109,748	97,993	49	129,840	166,152
70 & Over				2			5			10			4		

Plan Name: American Electric Power System Retirement Plan
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 Plan Sponsor: American Electric Power Service Corporation
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SCHEDULE SB ATTACHMENTS

Number distributed by attained age and attained years of credited service (cont.)

All monetary amounts shown in US Dollars

Attained Age	Years Of Credited Service														
	20 to 24			25 to 29			30 to 34			35 to 39			40 & up		
	Average			Average			Average			Average			Average		
	No.	Comp.	Cash Bal.	No.	Comp.	Cash Bal.	No.	Comp.	Cash Bal.	No.	Comp.	Cash Bal.	No.	Comp.	Cash Bal.
Under 25															
25 to 29															
30 to 34															
35 to 39	6														
40 to 44	175	136,350	121,635	6											
45 to 49	305	152,137	152,275	116	136,816	165,192	2								
50 to 54	321	158,229	180,923	267	147,223	201,057	143	162,015	253,644	7					
55 to 59	229	144,168	198,909	237	134,835	225,707	422	147,726	283,925	298	142,171	312,122	18		
60 to 64	148	129,795	208,183	164	126,583	220,969	219	131,233	286,201	497	138,159	340,072	420	132,171	367,732
65 to 69	35	126,522	218,090	33	107,171	218,350	50	137,406	340,726	74	129,717	343,148	255	137,139	443,842
70 & Over	9			3			3			8			54	140,592	496,168

Plan Name: American Electric Power System Retirement Plan
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SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

- Applicable month (published) October 2023
- Yield curve basis Segment rates

Funding interest rates:

	Reflecting Corridors	Not Reflecting Corridors
• First segment rate	4.75%	3.82%
• Second segment rate	4.87%	4.59%
• Third segment rate	5.59%	4.63%
• Effective interest rate	5.06%	4.52%

Annual rates of increase

- Compensation:
 - Representative rates

Age	Rate
< 25	11.50%
25 – 29	8.50%
30 – 34	7.00%
35 – 39	6.00%
40 – 44	5.00%
45 – 49	4.50%
50 – 54	4.00%
55 – 59	3.75%
60 – 64	3.50%
65 – 69	3.25%
> 70	3.00%
 - Weighted average 5.05%
- Cash balance crediting rate 4.00%
- Lump sum/annuity conversion rate October 2023 segment rates
- Future Social Security wage bases 3.50%
- Statutory limits on compensation N/A
- Expected rate of return on assets for prior year 7.50%, but not greater than the third segment rate
- Plan-Related Expenses \$7,000,000 for 2024. This assumption is equal to the actual non-PBGC premium administrative expenses for the prior year, plus current year expected PBGC premium, rounded to the nearest hundred thousand.

Plan Name: American Electric Power System Retirement Plan
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 Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Demographic Assumptions

Inclusion date The valuation date coincident with or next following the date on which the employee becomes a participant.

New or rehired employees It was assumed there will be no new or rehired employees.

Mortality

- **Healthy** For IRS purposes, separate rates for non-annuitants and annuitants based on Pri-2012 "Employees" and "Healthy Annuitants" (participants and beneficiaries combined) tables, respectively, without collar or amount adjustments and then projected forward with a generational projection as specified in the regulations under §1.430(h)(3)-1 using the IRS adjusted Scale MP-2021 (i.e., MP-2021 with no mortality improvement for 2020-2023 and future mortality improvement capped at 0.78% for years after 2024).

- **Disabled** Alternative disabled life mortality tables as defined under Revenue Ruling 96-7

- **Lump sum/annuity conversion** Pension Protection Act unisex mortality table for 2024.

Termination

Rates varying by service:

Percentage leaving during the year	
Service	Rate
<3	7.00%
3 – 4	6.00%
5 – 9	5.00%
10 – 14	4.00%
15 – 19	2.50%
20 +	1.50%

Disability

Rates apply to employees not eligible to retire and vary by age and sex as indicated by the following sample values:

Percentage becoming disabled during the year		
Age	Male	Female
20	0.060%	0.090%
30	0.060%	0.090%
40	0.074%	0.110%
50	0.178%	0.267%
60	0.690%	1.035%

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Retirement

Rates varying by age; average retirement age 63:

Percentage retiring during the year	
Age	Rate
55 – 58	4.00%
59	6.00%
60	7.50%
61	9.00%
62 – 64	16.00%
65 – 67	25.00%
68 – 69	20.00%
70 +	100.00%

Benefit commencement date:

- Preretirement death benefit The later of the death of the active participant or the date the participant would have attained age 55.
- Deferred vested benefit (active participants) The later of age 55 or termination of employment.
- Deferred vested benefit (current deferred vested) The later of age 65 or current age
- Disability benefit Upon disablement.
- Retirement benefit Upon termination of employment.

Form of payment

50% lump sum; 50% annuity for retirement eligible East grandfathered participants and 85% lump sum; 15% annuity for all other participants. Married participants are assumed to elect the 50% joint and survivor annuity and unmarried participants are assumed to elect the single life annuity. No other optional form of payment election is assumed.

For current deferred vested participants with a cash balance type benefit, 100% lump sum is assumed. For all other current deferred vested participants 100% annuity is assumed.

Percent married

80% of male participants; 70% of female participants.

Spouse age

Wives are assumed to be three years younger than husbands.

Valuation pay

2024 expanded pay (Cash Balance) – sum of the following updated one year according to the salary increase assumption:

- (i) 2024 base salary
- (ii) a 15% increase for overtime eligible employees and a target bonus percent increase for incentive-eligible employees

Plan Name: American Electric Power System Retirement Plan
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SCHEDULE SB ATTACHMENTS

At-risk assumptions

If at-risk calculations are required, all participants eligible to elect benefits during the current and subsequent ten plan years are assumed to commence benefits at the earliest possible date under the plan, but not before the end of the current plan year, except in accordance with the regular valuation assumptions. In addition, all participants (not just those eligible to begin benefits within the next 11 years) are assumed to elect the most valuable form of benefit under the plan, which is usually a joint and survivor form of payment.

Timing of benefit payments

Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

Plan Name: American Electric Power System Retirement Plan
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Plan Sponsor: American Electric Power Service Corporation
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SCHEDULE SB ATTACHMENTS

Methods

Valuation date	First day of plan year.
Funding target	Present value of accrued benefits.
Target normal cost	Present value of benefits expected to accrue during plan year plus plan-related expenses expected to be paid from the trust (based on actual trust expenses paid in previous year, adjusted by the difference between the prior and expected current year PBGC premiums).
Actuarial value of assets	Average of the fair market value of assets on the valuation date and the six immediately preceding months, adjusted for contributions, benefit/expense payments and expected investment returns. The average asset value must be within 10% of fair value, including contributing receivable. The method of computing the actuarial value of assets complies with rules governing the calculation of such values under PPA. These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a bias to produce an actuarial value of assets that is below the market value of assets.
Benefits Not Valued	All benefits were valued except: • Any liabilities that may be reinstated in the event of reemployment • The alternate benefit formula for members who did not elect to withdraw their employee contributions • Any liabilities relating to members' unwithdrawn employee contributions • Liabilities related to special benefits as a result of termination due to downsizing and restructuring

Data Sources

WTW used participant and asset data as of January 1, 2024, supplied by Telus, the third-party administrator for AEP. The Company provided target bonus information and overtime eligibility data. Data were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date. We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Plan Name: American Electric Power System Retirement Plan
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SCHEDULE SB ATTACHMENTS

Assumptions Rationale - Significant Economic Assumptions

Discount rate	The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Expected return on plan assets	We understand that the expected return on assets assumption reflects the plan sponsor's estimate of future experience for trust asset returns, reflecting the plan's current asset allocation and any expected changes during the current plan year, current market conditions and the plan sponsor's expectations for future market conditions. WTW's determination that this assumption does not significantly conflict with what would be reasonable is informed by WTW's Expected Return Estimator model.
Cash balance interest crediting rate	The plan credits interest to cash balance accounts using the 30-year Treasury rate for the November of the preceding year with a minimum rate of 4.00%. After examining historical variability in this rate and considering the increase in interest crediting expected to be caused by the minimum interest credit, we believe that the selected assumption does not significantly conflict with what would be reasonable based on market conditions at the measurement date.
Conversion rate for lump sums and annuities	For funding purposes, and as required by IRC 430, lump sum benefits are valued using "annuity substitution", so that the interest rates assumed are effectively the same as described above for the discount rate.
Rate of increase in compensation	Rates of increase in compensation were based on an experience study conducted in 2019, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.
Rate of increase in national average wages (NAW) (e.g., Social Security wage bases)	The assumed NAW is based on assumed CPI as shown below, plus assumed increases in real wages (the portion of GDP increases that becomes part of wages). Such assumed future increases in real wages are based on a combination of historical averages and an expectation that the future rates will be lower (higher) than historical averages.

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Assumptions Rationale - Significant Demographic Assumptions

Mortality	Assumptions used for funding purposes are as prescribed by IRC §1.430(h)(3)-1.
Termination	Termination rates are based on an experience study conducted in 2019, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. Assumed termination rates differ by service because of observed decreases in termination rates as employees attained additional years of service. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.
Retirement	Retirement rates were based on an experience study conducted in 2019, with consideration of whether any conditions have changed that would be expected to produce different results in the future. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.
Form of payment	Rates at which retirees elect lump sums versus annuities are based on an experience study conducted in 2019, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future. Therefore, we believe this assumption does not significantly conflict with what would be reasonable.

Source of Prescribed Methods

Funding methods	The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are "prescribed methods set by law", as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430 or were selected by the plan sponsor from a range of methods permitted by IRC §430.
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Plan Name: American Electric Power System Retirement Plan
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SCHEDULE SB ATTACHMENTS

Changes in Assumptions and Methods

Change in assumptions and methods since prior valuation

Other than the statutory changes to mortality and interest rates, the funding assumption and method changes since the prior valuation were:

- The cash balance interest crediting rate decreased from 4.25% to 4.00%.
- The expected long-term rate of return on plan assets decreased from 7.50% to 7.25%.

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SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	American Electric Power Service Corporation
EIN/PN	13-4922641/001
Plan Name	American Electric Power System Retirement Plan
Valuation Date	January 1, 2024
Enrolled Actuary	Max Murphy
Enrollment Number	23-08791

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4j - Schedule of Reportable Transactions

EIN: 13-4922641Plan Number: 001

Year ended December 31, 2024

	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	
Identity of Party Involved	Description of Asset (Include Interest Rate and Maturity in Case of a Loan)	Transaction Count	Purchase Price**	Selling Price**	Lease Rental	Expense Incurred with Transaction	Cost of Asset	Current Value of Asset on Transaction Date	Net Gain (Loss)
Category (iii) - a Series of Transactions									
* AMERICAN ELECTRIC POWER	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	1008	\$ -	\$ 1,270,503,239	\$ -	\$ -	\$ 1,270,503,239	\$ 1,270,503,239	\$ -
* AMERICAN ELECTRIC POWER	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	1426	1,279,468,968	-	-	-	-	1,279,468,968	-
Total Category (iii)			\$ 1,279,468,968	\$ 1,270,503,239	\$ -	\$ -	\$ 1,270,503,239	\$ 2,549,972,207	\$ -

* Party-in-interest to the Plan.

** Purchase price and Selling price represent current value of the transaction(s).

There were no category (i), (ii), or (iv) reportable transactions.

Note: The information in this schedule has been certified as complete and accurate by Bank of New York Mellon/BNY Mellon, N.A.

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2024 This Form is Open to Public Inspection
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024	
▶ Round off amounts to nearest dollar.	
▶ Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.	
A Name of plan AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF AMERICAN ELECTRIC POWER SERVICE CORPORATION	D Employer Identification Number (EIN) 13-4922641
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information			
1	Enter the valuation date: Month 01 Day 01 Year 2024			
2	Assets:			
a	Market value	2a	4,114,488,966	
b	Actuarial value	2b	3,959,568,046	
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a	For retired participants and beneficiaries receiving payment	13,753	2,051,239,452	2,051,239,452
b	For terminated vested participants	3,393	238,855,426	238,855,426
c	For active participants	16,073	1,598,870,706	1,613,884,567
d	Total	33,219	3,888,965,584	3,903,979,445
4	If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐			
a	Funding target disregarding prescribed at-risk assumptions	4a		
b	Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5	Effective interest rate	5	5.06%	
6	Target normal cost			
a	Present value of current plan year accruals	6a	101,991,415	
b	Expected plan-related expenses	6b	7,000,000	
c	Target normal cost	6c	108,991,415	

Statement by Enrolled Actuary
To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	MTM Signature of actuary	09/12/2025 Date
Max Murphy Type or print name of actuary		2308791 Most recent enrollment number
Willis Towers Watson US LLC Firm name		216-937-4119 Telephone number (including area code)
1001 Lakeside Avenue Suite 1500 Cleveland OH 44114-1172 Address of the firm		

Part II		Beginning of Year Carryover and Prefunding Balances	
		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	95,697,955	861,269,654
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	95,697,955	82,258,407
9	Amount remaining (line 7 minus line 8)	0	779,011,247
10	Interest on line 9 using prior year's actual return of <u>9.42</u> %	0	73,382,859
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		0
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.18</u> %		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance		0
	d Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	19,913,596
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	832,480,510

Part III		Funding Percentages	
14	Funding target attainment percentage	14	80.10 %
15	Adjusted funding target attainment percentage	15	101.42 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	80.45 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV		Contributions and Liquidity Shortfalls			
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
06/18/2025	94,700,000	0			
Totals ►			18(b)	94,700,000	18(c)
					0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
a Contributions allocated toward unpaid minimum required contributions from prior years.	19a 0
b Contributions made to avoid restrictions adjusted to valuation date	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c 88,098,398
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year? ☒ Yes ☐ No	
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☒ Yes ☐ No	
c If line 20a is "Yes," see instructions and complete the following table as applicable:	
Liquidity shortfall as of end of quarter of this plan year	
(1) 1st	(2) 2nd
0	0
(3) 3rd	(4) 4th
0	0

Part V	Assumptions Used to Determine Funding Target and Target Normal Cost		
21	Discount rate:		
a	Segment rates:	1st segment: 4.75 % 2nd segment: 4.87 % 3rd segment: 5.59 %	☐ N/A, full yield curve used
b	Applicable month (enter code).....	21b	3
22	Weighted average retirement age	22	63
23	Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute		
Part VI	Miscellaneous Items		
24	Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ☒ Yes ☐ No		
25	Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ☐ Yes ☒ No		
26	Demographic and benefit information		
a	Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.		☒ Yes ☐ No
b	Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...		☒ Yes ☐ No
27	If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	27	
Part VII	Reconciliation of Unpaid Minimum Required Contributions For Prior Years		
28	Unpaid minimum required contributions for all prior years	28	0
29	Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	29	0
30	Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0
Part VIII	Minimum Required Contribution For Current Year		
31	Target normal cost and excess assets (see instructions):		
a	Target normal cost (line 6c).....	31a	108,991,415
b	Excess assets, if applicable, but not greater than line 31a	31b	0
32	Amortization installments:	Outstanding Balance	Installment
a	Net shortfall amortization installment	776,891,909	74,048,320
b	Waiver amortization installment	0	0
33	If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount		33
34	Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....		34
	Carryover balance	Prefunding balance	Total balance
35	Balances elected for use to offset funding requirement	0	183,039,735
36	Additional cash requirement (line 34 minus line 35).....		36
37	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....		37
38	Present value of excess contributions for current year (see instructions)		
a	Total (excess, if any, of line 37 over line 36)	38a	88,098,398
b	Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	88,098,398
39	Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)		39
40	Unpaid minimum required contributions for all years		40
Part IX	Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)		
41	If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. ☐ 2019 ☐ 2020 ☒ 2021		

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22 Description of Weighted Average Retirement Age as of January 1, 2024

See Schedule SB, Part V - Statement of Actuarial Assumptions/Methods for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

Retirement Age	Assumed Rate	Participants at Beginning	Participants Retiring: (2)x(3)	Weighted Value (1)x(4)
(1)	(2)	(3)	(4)	(5)
55	0.04	1,000	40.00	2,200.00
56	0.04	960	38.40	2,150.40
57	0.04	922	36.86	2,101.25
58	0.04	885	35.39	2,052.59
59	0.06	849	50.96	3,006.69
60	0.08	798	59.88	3,592.74
61	0.09	739	66.47	4,054.40
62	0.16	672	107.53	6,666.65
63	0.16	565	90.32	5,690.31
64	0.16	474	75.87	4,855.73
65	0.25	398	99.58	6,472.73
66	0.25	299	74.69	4,929.23
67	0.25	224	56.01	3,752.94
68	0.20	168	33.61	2,285.37
69	0.20	134	26.89	1,855.18
70	1.00	108	<u>107.55</u>	7,528.28
			1,000.00	63,194.46

$$63,194.46 / 1,000 = 63$$

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26b Schedule of Projection of Expected Benefit Payments

Plan Year	Active Participants	Terminated Vested Participants	Retired Participants and Beneficiaries Receiving Payments	Total
2024	155,045,914	72,869,021	210,357,774	438,272,709
2025	129,632,356	11,586,647	203,109,301	344,328,304
2026	131,332,482	15,325,001	195,777,007	342,434,490
2027	126,954,967	18,497,096	188,328,501	333,780,564
2028	124,497,532	20,097,583	180,839,760	325,434,875
2029	118,933,269	14,354,260	173,288,937	306,576,466
2030	114,996,652	10,246,021	165,630,568	290,873,241
2031	108,752,039	11,905,991	157,922,563	278,580,593
2032	104,542,669	12,975,398	150,175,780	267,693,847
2033	99,559,642	11,063,830	142,386,203	253,009,675
2034	96,498,604	10,473,362	134,544,661	241,516,627
2035	91,450,984	10,035,416	126,666,029	228,152,429
2036	89,664,358	10,230,031	118,768,543	218,662,932
2037	87,559,092	8,671,856	110,875,235	207,106,183
2038	84,595,093	9,530,043	103,014,778	197,139,914
2039	82,999,365	8,134,912	95,221,953	186,356,230
2040	80,932,694	10,099,495	87,537,243	178,569,432
2041	78,992,364	7,631,198	80,005,484	166,629,046
2042	77,148,183	9,613,026	72,673,583	159,434,792
2043	74,539,444	8,563,596	65,589,506	148,692,546
2044	72,229,054	7,517,522	58,795,249	138,541,825
2045	70,454,775	7,051,614	52,329,593	129,835,982
2046	67,100,764	9,235,359	46,229,395	122,565,518
2047	64,082,557	8,439,696	40,524,110	113,046,363
2048	60,482,539	8,742,010	35,236,848	104,461,397
2049	57,438,768	5,515,688	30,384,014	93,338,470
2050	53,847,652	5,799,036	25,974,699	85,621,387
2051	50,357,589	6,224,689	22,010,372	78,592,650
2052	46,537,317	5,633,942	18,485,045	70,656,304
2053	42,992,198	4,008,423	15,385,538	62,386,159
2054	39,002,577	4,151,295	12,692,101	55,845,973

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

2055	36,149,929	3,409,503	10,379,413	49,938,845
2056	32,532,492	3,583,553	8,417,617	44,533,662
2057	29,797,174	3,365,402	6,773,683	39,936,259
2058	26,775,390	2,717,906	5,412,772	34,906,068
2059	24,059,517	1,926,129	4,299,553	30,285,199
2060	21,698,529	1,650,868	3,399,474	26,748,871
2061	19,464,671	898,513	2,679,734	23,042,918
2062	17,504,959	902,075	2,110,085	20,517,119
2063	15,642,716	351,871	1,663,355	17,657,942
2064	13,963,013	348,408	1,315,756	15,627,177
2065	12,453,676	165,458	1,046,998	13,666,132
2066	11,087,642	130,769	840,099	12,058,510
2067	9,908,409	56,992	681,133	10,646,534
2068	8,867,641	40,050	558,913	9,466,604
2069	7,932,028	27,656	464,577	8,424,261
2070	7,116,590	18,777	391,238	7,526,605
2071	6,373,066	12,548	333,601	6,719,215
2072	5,717,719	8,269	287,626	6,013,614
2073	5,124,900	5,389	250,294	5,380,583

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V

Summary of plan provisions covered by the former East Retirement Plan

Plan Provisions

Effective date	May 1, 1955. Plan was amended and restated for amendments through December 31, 2019.
Recent amendments	The last amendment affecting the actuarial obligations was executed on December 28, 2020.
Covered employees	Employees become Members of the Plan on the first day of the month following completion of one year of service.
Participation date	Date of becoming a covered employee.

Definitions

Grandfathered employee	If, on December 31, 2000, either: – Participating in AEP System Retirement Plan, or – In one-year waiting period for AEP System Retirement Plan participation.
Vesting service	A period of time from employment date to termination date and, in general, includes periods of severance that are not in the excess of 12 months.
Accredited service	Elapsed time from date of hire (from benefit service start date).
Cash balance pay	Pay received during the year, including base pay, overtime, shift differential/Sunday premium pay and incentive pay, subject to IRS limits.
Covered compensation amount	The average of the Social Security taxable wage based during the 35-year period including the year in which the participant retires, dies, becomes disabled or otherwise terminates employment. This monthly average is calculated to the next lower or equal whole dollar amount and is then rounded to nearest \$50.
Final average pay	Average of the highest 36-consecutive months of base pay out of the last 120 months of employment, subject to IRS limits.
Normal retirement date (NRD)	The first day of the calendar month whose first day is nearest the later of the member's 65 th birthday or the completion of five years of Vesting Service.

Plan Name:	American Electric Power System Retirement Plan
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Plan Sponsor:	American Electric Power Service Corporation
Valuation Date:	January 1, 2024

SCHEDULE SB ATTACHMENTS

Cash balance account	Recordkeeping account to which annual Interest Credits and annual Company Credits are credited. The cash balance account is updated at the end of each plan year and is equal to: Cash Balance Account as of the end of the prior plan year + Interest Credits + Company Credits
Cash balance benefit	Cash Balance Account converted to a monthly annuity
Opening balance	For those participating in or eligible for the AEP System Retirement Plan on December 31, 2000, opening balance is calculated as follows: (1) Present value of monthly normal retirement benefit determined as of December 31, 2000, and payable at age 65 (or current age if older) — Present value determined based on 5.78% interest and IRS regulated mortality (GAM83 Unisex) data for lump sums (postretirement only) Plus (2) Credit for early retirement subsidy for monthly payments beginning at age 62 (or current age if older) Plus (3) Transition credit based on age, service and pay received in 2000 (see “Company Credits” for credit percentages) — Age and service based on completed whole years as of December 31, 2000. For employees hired on or after January 1, 2001, opening balance is \$0.
Interest credits	Interest credits are applied to beginning of year account balance on December 31 each year. Based on the average 30-year Treasury Bond rate for November of the previous year. Minimum of 4%.
Company credits	Applied to account balance on December 31 or termination date if earlier.

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Amount is a percentage of eligible pay received during the year, based on age plus years of Vesting Service (age and service in completed whole years as of December 31).

For individuals hired on or after January 1, 2021 any eligible pay paid prior to the date they become a participant shall not be taken into account.

<i>Age Plus Years of Service</i>	<i>Annual Company Credit</i>
Less than 30	3.0%
30 – 39	3.5%
40 – 49	4.5%
50 – 59	5.5%
60 – 69	7.0%
70+	8.5%

Monthly grandfathered benefit

Sum of (1), (2) and (3):

(4) 1.10% of Final Average Pay x Accredited Service up to 35 years

(5) 0.50% of Final Average Pay Less Covered Compensation x Accredited Service up to 35 years

(6) 1.33% of Final Average Pay x Accredited Service between 35 and 45 years

Accruals for the grandfathered benefit ceased on December 31, 2010.

Long-term disability and paid leaves

Participants do not receive company credits while on long-term disability. Vesting service continues.

Unpaid leave

No compensation for annual Company Credit. Vesting service continues.

Eligibility for Benefits

Normal retirement

All members at or after their Normal Retirement Date.

Early retirement

Any time after attainment of age 55 and completion of five years of vesting. Applicable only to grandfathered benefits.

Postponed retirement

Retirement after Normal Retirement Date.

Vested termination

All members who terminate employment after completion of three years of Vesting Service, or upon death.

Disability

All members who are unable to work at own occupation solely because of sickness or injury for the first 24 months of disability. After 24 months of disability, the participant is eligible if unable to work at any gainful occupation for which the participant may be able, or may reasonably become qualified by education, training or experience, to perform.

Plan Name: American Electric Power System Retirement Plan
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Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Surviving spouse The surviving spouse of a Grandfathered Member who retired or is eligible to retire on Normal or Early Retirement and who was married to that spouse for the year preceding commencement and whose grandfathered benefit exceeds his or her Cash Balance Benefit.

Preretirement death Beneficiary of deceased member.

Benefits Paid Upon the Following Events

Normal retirement For Grandfathered Employees, the better of the monthly grandfathered benefit or the Cash Balance Benefit determined as of Normal Retirement Date. For all other employees, the Cash Balance Benefit determined as of Normal Retirement Date.

Early retirement For Grandfathered Employees, the better of:

- (1) The monthly grandfathered retirement benefit reduced by 3% per year for each year commencement precedes age 62, and
- (2) The Cash Balance Benefit determined as of the Early Retirement Date.

For all other employees, the Cash Balance Benefit determined as of the Early Retirement Date.

Deferred vested retirement The accrued Normal Retirement Benefit (better of Cash Balance and Grandfathered Benefits, if eligible), payable at Normal Retirement Date or actuarially reduced and payable at any age.

Disability The greater of (1) or (2):

- (1) Accrued Grandfathered Retirement Benefit reduced as in the Early Retirement Benefit. If retirement occurs prior to age 55, the benefit is further reduced actuarially from age 55. The Disability Retirement Benefit will reflect Accredited Service that accrued (at most recent rate of base earnings) to a member while receiving benefits under the Company's LTD plan.
- (2) The Cash Balance Benefit with continued Company Credits while disabled.

Benefit (1) applies for Grandfathered Employees only.

Preretirement death Better of (1) or (2):

- (1) The grandfathered monthly benefit as if the employee commenced a 60% qualified joint and survivor benefit at his earliest retirement date
- (2) Annuity equivalent of Cash Balance account or the cash balance account.

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SCHEDULE SB ATTACHMENTS

Surviving spouse benefits

Benefit (1) applies for a Grandfathered Employee whose beneficiary is his or her spouse.

A benefit payable for life equal to 30% of the single life annuity payable to the grandfathered member. The spouse's benefit is actuarially reduced for each year by which the spouse is more than ten years younger than the member. Payable to Grandfathered Employees only.

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Other Plan Provisions

Forms of payment

- Grandfathered employees The following are available for Grandfathered Employees for both the Grandfathered Benefit and the Cash Balance Benefit:
 - Full lump sum payment.
 - Combination of partial lump sum (25%, 50% or 75% of full lump sum) with remainder paid as a monthly benefit (see below).
 - Monthly payment:
 - Single life annuity.
 - Optional joint annuities (spouse or other beneficiary).
 - Available in 40%, 50%, 60%, 75%, 100%.
 - Can elect pop-up and/or level income options.
 - Automatic company-paid 30% surviving spouse annuity included in Grandfathered Benefit annuity if terminate on or after age 55 and married at least one year. Cash Balance Benefit is actuarially reduced for this feature.

A one-time option to elect a lump sum of the accrued benefit for terminated vested participants whose benefit was determined in no way by reference to either the AEP or CSW cash balance formulas was offered during the period from May 1, 2012 through June 30, 2012. Participants eligible for the window were also permitted to elect any of the other optional forms of payment generally applicable to such a participant under the normal terms of the plan document. Any participant who elected to commence benefits under this window, regardless of lump sum or annuity election, had a benefit commencement date of August 1, 2012.
- Employees hired on or after January 1, 2001 The following are available for those hired on or after January 1, 2001:
 - Full lump sum payment.
 - Combination of partial lump sum (25%, 50% or 75% of full lump sum) with remainder paid as a monthly benefit (see below).
 - Monthly payment:
 - Single life annuity.
 - Joint annuities (spouse or other beneficiary).
 - Available in 50%, 75%, 100%.

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Form of payment conversion for non-417(e) covered conversions

- Cash balance 7.50% interest and the applicable 417(e) Mortality Table.
- Grandfathered benefit 7.50% interest and the 1974 George B. Buck Mortality Table.

Pension Increases None.

Plan participants' contributions Prior to January 1, 1978, employee contributions were required as a condition of Membership. In May and June of 1981, Members were permitted an election to withdraw those contributions. Those who did not elect to withdraw have retirement benefits based on a formula that differs from the formulas previously described in this section. However, the number of nonelecting Members is so small that special plan provisions for that group have not been included in this summary.

Maximum on benefits and pay All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.

Benefits not valued A small portion of the population made employee contributions to the plan. Because the amount of these contributions is not material to the plan, they are not part of the valuation.

Participants who were employees of Columbus Southern Power (CSP) at the time AEP acquired that company have a frozen benefit under the CSP benefit formula at December 31, 1986. Benefits for these participants are the greater of an all-service AEP benefit and a two-part benefit consisting of the frozen CSP benefit plus an AEP benefit accrued from January 1, 1987. Because this applies to a small portion of the population and the CSP frozen benefit is not often the greater benefit for these participants, this benefit is not valued.

Plan status Ongoing.

Future Plan Changes

WTW is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

None.

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Summary of plan provisions covered by the former West Retirement Plan

Plan Provisions

Effective date	January 1940. Amended and restated effective January 1, 2017.
Recent amendments	Plan was merged with and into the American Electric Power System Retirement Plan. The last amendment affecting the actuarial obligations was executed on December 28, 2020.
Covered employees	All full-time employees of a Participating Company employed by CSW before January 1, 2001, and not covered by a union (that has not bargained for coverage) or another pension plan provided by AEP. Part-time employees of the Company had to work more than 1,000 hours in the first anniversary year or subsequent calendar years.
Participation date	Date of becoming a covered employee

Definitions

Grandfathered employee	Employees who were at least age 50 with ten years of vesting service of July 1, 1997.
Vesting service	All service from date of hire in completed years.
Credited service	The aggregate of: For the period prior to January 1, 1976: (1) The number of full years in the last continuous period that employee was a participant after June 30, 1970, plus (2) Credited service under any prior plan if service extended to July 1, 1970. For the period beginning on or after January 1, 1976, the number of full years of service.
Cash balance pay	Pay received during the year, including base pay, overtime, shift differential/Sunday premium pay and incentive pay, subject to IRS limits
Final average pay	Highest average annual earnings (base pay only) during any 36 consecutive months in the 120 months before retirement. Any changes in earnings within the last three months before retirement will not be taken into account.
Normal retirement date (NRD)	The first day of the calendar month on or following the member's 65 th birthday.

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Plan Sponsor:	American Electric Power Service Corporation
Valuation Date:	January 1, 2024

SCHEDULE SB ATTACHMENTS

Cash balance account Recordkeeping account to which annual interest credits and annual company credits are credited. The cash balance account is updated at the end of each plan year and is equal to:

Cash Balance Account as of the
end of the prior plan year
+
Interest Credits
+
Company Credits

Cash balance benefit Cash Balance Account converted to a monthly annuity

Interest credits Interest credits are applied to beginning of year account balance on December 31 each year.

Based on the average 30-year Treasury Bond rate for November of the previous year.

Minimum of 4%.

Company credits Applied to account balance on December 31 or termination date if earlier.

Amount is a percentage of eligible pay received during the year, based on age plus years of Vesting Service (age and service in completed whole years as of December 31).

<i>Age Plus Years of Service</i>	<i>Annual Company Credit</i>
Less than 30	3.0%
30 – 39	3.5%
40 – 49	4.5%
50 – 59	5.5%
60 – 69	7.0%
70+	8.5%

Monthly grandfathered benefit Greater of (1) or (2) below with automatic cost of living adjustments upon retirement:

(1) Basic benefit — An annual amount equal to:

The aggregate of a participant's (a) earned benefit (if any) under any prior plan or acquired Company pension plan under which no election was made to receive a paid-up annuity; and (b) participant contributions without interest for the period commencing on or after July 1, 1970. For the period after September 1, 1980, participants will be deemed to have made contributions at the rate of 2% annually of the participant's annual rate of earnings as of January 1.

(2) Minimum benefit:

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1-2/3% of final average annual earnings less 50% of participant's annual primary Social Security benefit times years of credited service up to 30 years.

Minimum benefits

The benefit payable will never be less than the frozen accrued benefit as of July 1, 1997, under the prior plan.

Primary Social Security benefit

The annual amount payable under the Social Security Act as amended in effect at the employee's date of retirement. The date as of which the amount is to be determined is:

- (1) In the case of an employee (including deferred vested employees) retiring on or after normal retirement date, normal retirement date.
- (2) In the case of an employee retiring prior to normal retirement date, the later of employee's 62nd birthday or actual retirement date.

Early retirees and deferred vested employees are assumed to have no earnings after termination in determining the amount of this benefit.

Long-term disability and paid leaves

Participants do not receive company credits while on long-term disability. For the grandfathered formula, the final average pay will be determined as of the date on which the participant became disabled. Vesting service continues.

Unpaid leave

No compensation for annual compensation credit. Vesting service continues.

Eligibility for Benefits

Normal retirement

All members at or after their Normal Retirement Date

Early retirement

Any time after attainment of age 55 and completion of five years of vesting

Postponed retirement

Retirement after NRD.

Vested

The participant's cash balance account is 100% vested when any one of the following applies:

- (1) Three years of vesting service
- (2) Attainment of age 55 while an employee
- (3) Death prior to termination
- (4) Upon disability.

Disability

All participants who become permanently and totally disabled. Permanent and total disability is determined by reference to the LTD plan covering that participant.

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SCHEDULE SB ATTACHMENTS

Surviving spouse	The surviving spouse of a participant who retired or is eligible to retire on normal or early retirement.
Preretirement death	Beneficiary of participant who dies after becoming vested.

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Plan Sponsor: American Electric Power Service Corporation
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SCHEDULE SB ATTACHMENTS

Benefits Paid Upon the Following Events

Normal retirement

Grandfathered employees must elect either the cash balance or the grandfathered formula. For purposes of this valuation, the employee is assumed to elect the formula with the higher present value. Employees with a prior plan frozen benefit get the better of the cash balance benefit and the prior plan frozen benefit. For all other employees, the Cash Balance Benefit is determined as of Normal Retirement Date.

Early retirement

Greater of (1) if applicable or (2):

- (1) The grandfathered accrued benefit and the prior plan frozen are payable subject to reduction according to the following schedule if payments commence prior to the normal retirement date.

<i>Age at Retirement</i>	<i>Percent of Benefit Payable</i>
64	100%
63	100%
62	100%
61	95%
60	90%
59	84%
58	78%
57	72%
56	66%
55	60%

- (2) The Cash Balance Benefit determined as of the Early Retirement Date.

Deferred vested retirement

Greater of (1) if applicable or (2):

- (1) Grandfathered accrued benefit payable at age 65, or if earlier reduced 5% per year from age 65, 6% per year from age 60 and 7.5% per year compounded from age 55.
- (2) Vested cash balance account.

Disability retirement

The greatest of grandfathered accrued benefit, if eligible, based on projected service and frozen pay deferred to age 65, prior plan frozen benefit if eligible and cash balance account with continued pay credits.

Preretirement death

If the beneficiary is the spouse and the participant is a grandfathered/protected plan participant, then:

- (1) For an active participant who dies on or after 55th birthday but before retirement, a monthly benefit equal to 50% of the benefit accrued to the date of death without reduction for

Plan Name: American Electric Power System Retirement Plan
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SCHEDULE SB ATTACHMENTS

early retirement is payable immediately as a life annuity to a qualifying spouse.

- (2) For an active participant who dies after completing five or more years of vesting service but before age 55, a deferred monthly benefit equal to 50% of the benefit accrued to the date of death reduced as for early retirement is payable as a life annuity to a qualifying spouse. Benefit commencement is deferred to when the deceased participant would have attained age 55.
- (3) For a deferred vested participant who dies before benefits commence, a monthly benefit equal to 50% of the deferred vested benefit reduced for early commencement (as for deferred vesteds) is payable as a life annuity to a qualifying spouse. If death occurs before age 55, the benefit to the spouse is deferred to when the deceased participant would have attained age 55.

The spouse's benefit is actuarially reduced for each year by which the spouse is more than five years younger than the participant.

For all employees, the minimum benefit is the cash balance account immediate annuity, which is also payable if the beneficiary is not the participant's spouse.

Other Plan Provisions

Form of payment

The following are available for those participants who did not work an hour of service on or after January 1, 2003:

- Full lump sum payment.
- Monthly payment:
 - Single life annuity.
 - 50% joint annuity (spouse or other beneficiary).

A one-time option to elect a lump sum of the accrued benefit for terminated vested participants whose benefit was determined in no way by reference to either the AEP or CSW cash balance formulas was offered during the period from May 1, 2012 through June 30, 2012. Participants eligible for the window were also permitted to elect any of the other optional forms of payment generally applicable to such a participant under the normal terms of the plan document. Any participant who elected to commence benefits under this window, regardless of lump sum or annuity election, had a benefit commencement date of August 1, 2012.

The following are available for those participants who work an hour of service on or after January 1, 2003:

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- Full lump sum payment.
- Combination of partial lump sum (25%, 50% or 75% of full lump sum) with remainder paid as a monthly benefit (see below).
- Monthly payment:
 - Single life annuity.
 - Joint annuities (spouse or other beneficiary).
- Available in 50%, 75%, 100%.

Form of payment conversion for non-417(e) covered conversions

- Cash balance 7.50% interest and the applicable 417(e) Mortality Table
- Grandfathered benefit Factors as specified in Tables I, II, III and IV of Exhibit A to the American Electric Power System Retirement Plan document. 7.50% interest and the 1951 Group Annuity male mortality table to the extent not covered by Tables I, II, III and IV.

Pension Increases None.

Member contributions None.

Maximum on benefits and pay All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are assumed for determining pension cost but not for determining contributions.

Plan status Continuing accruals. All new entrants to plan are covered under former East plan provision.

Future Plan Changes

WTW is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

None.

Plan Name: American Electric Power System Retirement Plan
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American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
	Short-Term Investments			
		AUSTRALIA & NZ BK DISC	\$ 1,327,382	\$ 1,327,382
		BOFA SECURITIES DISC	1,232,700	1,232,700
		BOFA SECURITIES DISC	954,781	954,781
		AGRICOLE CORP DISC	1,248,614	1,248,614
		DBS BANK LTD DISC	1,481,950	1,481,950
		DANSKE BANK A/S DISC	1,431,764	1,431,764
		DANSKE BANK A/S DISC	1,418,926	1,418,926
		FAIRWAY FIN CORP DISC	878,450	878,450
		GOTHAM FDG CORP DISC	1,384,214	1,384,214
		GOTHAM FDG CORP DISC	1,382,469	1,382,469
		LMA SA & LMA AMER DISC	1,270,031	1,270,031
		MANHATTAN AST FDG DISC	1,285,634	1,285,634
		NATIONAL BK CANADA DISC	781,160	781,160
		NATIXIS NY BRH DISC	1,251,333	1,251,333
		NATIXIS NY BRH DISC	1,259,538	1,259,538
		SHEFFIELD REC CP DISC	1,279,850	1,279,850
		SHEFFIELD REC CP DISC	1,428,192	1,428,192
		SKANDINAVISKA ENS DISC	947,409	947,409
		SKANDINAVISKA ENS DISC	1,466,633	1,466,633
		SOCIETE GENERALE DISC	757,776	757,776
		SOCIETE GENERALE DISC	1,432,800	1,432,800
		STARBIRD FDG CORP DISC	1,574,318	1,574,318
		STARBIRD FDG CORP DISC	976,847	976,847
		SUMITOMO TR & BKG DISC	1,575,787	1,575,787
		SUMITOMO MITSUI DISC	1,382,892	1,382,892
		SVENSKA HDLSBK AB DISC	1,295,543	1,295,543
		SVENSKA HDLSBK DISC	1,450,813	1,450,813
		SWEDBANK AB PUBL DISC	1,472,237	1,472,237
		SWEDBANK AB PUBL DISC	1,438,727	1,438,727
		THUNDER BAY FDG DISC	1,319,727	1,319,727
		WESTPAC BANKING DISC	1,326,983	1,326,983
		MANHATTAN ASSET FDG IB NT	850,000	850,000
		BRL (BRAZILIAN REAL)	3,315	3,241
		CAD (CANADIAN DOLLARS)	2,862	2,852
		EUR (EURO)	124,639	118,610
		GBP (GREAT BRITISH POUNDS)	12,141	12,110
		HKD (HONG KONG DOLLARS)	15,466	15,456
		JPY (JAPANESE YEN)	5,929	5,941
		MXN (MEXICAN PESO)	20,383	19,788
		ZAR (SOUTH AFRICAN RAND)	1	1
*		PENDING TRADES IN THE AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08 FUND	820,558	820,558
Total Short-Term Investments			41,570,774	41,564,037
State and Local Government Obligations				
		ALAMEDA CNTY CA JT PWRS AUTH L7.046% 12/01/2044 DD 11/04/10	1,232,416	976,523

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
State and Local Government Obligations (Continued)				
	BAY AREA CA TOLL AUTH TOLL BRI7.043% 04/01/2050 DD 07/01/10	\$ 1,570,493	\$ 1,237,928	
	CALIFORNIA ST4.500% 04/01/2033 DD 04/25/18	723,980	722,513	
	CALIFORNIA ST5.200% 03/01/2043 DD 03/15/23	584,787	586,039	
	CALIFORNIA ST7.300% 10/01/2039 DD 10/15/09	711,615	523,761	
	CALIFORNIA ST7.350% 11/01/2039 DD 11/10/09	3,493,535	2,824,445	
	CALIFORNIA ST7.550% 04/01/2039 DD 04/28/09	1,024,699	803,780	
	CALIFORNIA ST7.600% 11/01/2040 DD 12/01/10	2,244,847	1,780,306	
	CHICAGO IL TRANSIT AUTH SALES6.899% 12/01/2040 DD 08/06/08	1,201,667	971,845	
	DALLAS TX AREA RAPID TRANSIT S2.613% 12/01/2048 DD 12/01/21	656,384	437,969	
	DALLAS-FORT WORTH TX INTERNATI4.087% 11/01/2051 DD 04/21/22	290,000	240,184	
	FLORIDA ST BRD OF ADMIN FIN CO5.526% 07/01/2034 DD 05/01/24	61,636	60,601	
	GOLDEN ST TOBACCO SECURITIZATI3.000% 06/01/2046 DD 10/07/21	266,250	250,811	
	KANSAS ST DEV FIN AUTH REVENUE4.927% 04/15/2045 DD 08/20/15	319,905	226,512	
	MASSACHUSETTS ST SPL OBLG REVE4.110% 07/15/2031 DD 08/30/22	25,685	25,147	
	MET TRANSPRTN AUTH NY DEDICATE7.336% 11/15/2039 DD 04/30/09	702,147	514,268	
	MUNI ELEC AUTH OF GEORGIA6.637% 04/01/2057 DD 03/11/10	1,111,116	872,790	
	N TX TOLLWAY AUTH REVENUE6.718% 01/01/2049 DD 08/12/09	1,886,501	1,401,425	
	NEW YORK CITY NY MUNI WTR FIN5.440% 06/15/2043 DD 09/23/10	2,537,896	1,702,746	
	NEW YORK CITY NY MUNI WTR FIN5.882% 06/15/2044 DD 11/18/10	985,654	599,809	
	NEW YORK CITY NY TRANSITIONAL5.572% 11/01/2038 DD 11/03/10	1,123,460	993,210	
	NEW YORK NY5.114% 10/01/2054 DD 10/16/24	185,000	175,049	
	OGLETHORPE GA PWR CORP5.534% 01/01/2035 DD 10/12/06	114,833	110,919	
	PORT AUTH OF NEW YORK & NEW JE3.287% 08/01/2069 DD 08/16/19	843,365	524,651	
	PORT AUTH OF NEW YORK & NEW JE4.229% 10/15/2057 DD 05/09/17	801,891	644,960	
	PORT AUTH OF NEW YORK & NEW JE4.458% 10/01/2062 DD 10/10/12	705,289	453,595	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
State and Local Government Obligations (Continued)				
	PORT AUTH OF NEW YORK & NEW JERSEY 4.926% 10/01/2051 DD 10/06/11	\$ 813,919	\$ 714,021	
	PORT AUTH OF NEW YORK & NEW JERSEY 5.072% 07/15/2053 DD 06/14/23	255,000	241,194	
	SALES TAX SECURITIZATION CORP 3.587% 01/01/2043 DD 12/14/17	1,172,095	927,640	
	TEXAS NATURAL GAS SECURITIZATION 5.102% 04/01/2035 DD 09/01/23	153,746	153,261	
	TEXAS NATURAL GAS SECURITIZATION 5.169% 04/01/2041 DD 09/01/23	56,586	54,163	
	TEXAS ST 5.517% 04/01/2039 DD 08/26/09	270,455	264,921	
	TEXAS TRANSPORTATION COMMISSION ST 5.178% 04/01/2030 DD 08/05/10	186,756	186,743	
	UNIV OF CALIFORNIA CA RGTS MED 6.548% 05/15/2048 DD 11/18/10	402,404	300,711	
	UNIV OF CALIFORNIA CA RGTS MED 6.583% 05/15/2049 DD 12/17/09	2,186,498	1,739,425	
	UNIV OF CALIFORNIA REVENUE 5.858% 05/15/2112 DD 03/01/12	1,426,947	860,188	
	UNIV OF MICHIGAN MI 2.437% 04/01/2040 DD 06/16/20	450,000	321,030	
	UNIV OF VIRGINIA VA UNIV REVENUE 2.256% 09/01/2050 DD 07/21/20	705,000	406,897	
Total State and Local Government Obligations		33,484,457	25,831,980	
Common/Collective Trusts				
*	BNYM-M DB SL ACWI FUND	272,899,578	464,898,239	
	EB TEMP INV FD VAR RT 12/31/49 FEE CL 00	27,020,405	27,020,405	
Total Common/Collective Trusts		299,919,983	491,918,644	
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity)				
	APL APOLLO TUBES LTD	269,300	326,196	
	AVENUE SUPERMARTS LTD	164,268	198,974	
	CIPLA LTD	870,524	1,054,443	
	EICHER MOTORS LTD	595,426	721,225	
	HINDUSTAN UNILEVER LTD	443,376	537,051	
	ICICI BANK LTD	817,034	989,653	
	IRB INFRASTRUCTURE DEVELOPER	205,610	249,050	
	MAX HEALTHCARE INSTITUTE LTD	564,123	683,307	
	NCC LTD	348,214	421,783	
	POLYCAB INDIA LTD	272,928	330,591	
	POWER GRID CORP OF INDIA LTD	440,433	533,486	
	RELIANCE INDUSTRIES LTD	360,121	436,206	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity) (Continued)				
	SET cash at broker HKS	\$ 260,724	\$ 260,724	
	TATA CONSULTANCY SVCS LTD	556,052	673,532	
	TITAGARH RAIL SYSTEM LTD	226,021	273,773	
	TITAN CO LTD	376,321	455,826	
Total Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity)		6,770,475	8,145,820	
Partnership/Joint Venture Interests				
	ABERDEEN SAFL EUR RE CLUB IIOFFSHR FDR LTD	5,061,019	1	
	ALMANAC REALTY SEC VIII LP	7,759,312	8,174,794	
	ALMANAC REALTY SECURITIES VII	4,200,374	3,775,391	
	ALTERNA CORE CAPITAL ASSETS IILP	6,862,862	4,616,098	
	ALTERRA IOS VENTURE II LP	4,390,267	5,233,374	
	AMERICAN SECURITIES PARTNERSVI	383,570	11,720,291	
	AMERICAN SECURITIES PTNR VIII	6,560,835	9,196,585	
	AMERICAN SECURITIES PTNRS VII	5,385,022	5,963,551	
	APOLLO EUROPEAN PRINCIPAL FUNDII	959,080	300,932	
	APOLLO INVESTMENT FUND IX LP	2,272,558	4,783,249	
	APOLLO INVESTMENT FUND VIII LP	2,789,736	5,166,204	
	ASANA PARTNERS FUND I LP	3,130,679	6,449,372	
	ASANA PARTNERS FUND III LP	5,433,333	5,050,817	
	AXIUM INFRA NA IV LP	11,295,234	11,874,900	
	BASALT INFRA PARTNERS LP	3,126,129	1,607,427	
	BLACKSTONE CAP PARTNERS VIII	3,853,644	4,569,936	
	BLACKSTONE CAPITAL PARTNERSVII LP	4,795,749	6,186,493	
	BLACKSTONE ENERGY PARTNERS IILP	6,679,977	7,036,810	
	BLACKSTONE ENERGY PARTNERSL.P.	5,836,754	2,758,212	
	BOWMARK CAPITAL PARTNERS V	971,478	713,954	
	BRAZIL REAL ESTATEOPPORTUNITIES FUND II - BAHIA	4,027,728	801,477	
	BRIDGE LOGISTICS US VENTURE II	1,841,244	1,867,817	
	BROOKFIELD INFRA FUND III LP	10,557,018	16,368,779	
	BROOKFIELD PREMIER RE PRTNS	5,637,215	10,205,879	
	BROOKFIELD STRAT RE PTNS B LP	30,978	641,000	
	BROOKFIELD SUPER-CORE INFRA	10,000,000	12,155,437	
	BUCKINGHAM BTR FUND I LP	786,806	735,404	
	BUCKINGHAM MULTIFAMILY FUND II	5,197,048	4,480,892	
	CA STUDENT LIVING INC GRWTH	5,542,914	7,473,430	
	CARROLL MULTIFAMILY VENT VII	1,378,124	766,434	
	CVC CAPITAL PARTNERS IX A LP	761,555	750,716	
	CVC CAPITAL PARTNERS VII LP	4,177,406	6,273,381	
	CVC CAPITAL PRTNRS VI (C) LP	9,537,628	12,895,504	
	CVC CAPITAL PTNS VIII A LP	4,622,699	5,006,160	

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	Partnership/Joint Venture Interests (Continued)			
		DREAM INDUSTRIAL FUND	\$ 9,408,589	\$ 14,096,479
		ENCAP ENERGY TRAN COINV I-C LP	1,000,776	935,153
		ENCAP ENERGY TRANS FD I-C LP	1,502,059	2,222,689
		ENCAP ENERGY TRANSITION FDII-C LP	3,905,553	3,580,404
		EXETER EUR VAL VENT III FEDSCSP	194,919	166,207
		EXETER INDUSTRIAL VALUE FUNDII LP	327,144	1
		FORTRESS JPN OPP FD IV DOL BLP	592,971	2,703,447
		FSN CAPITAL VI LP	3,847,375	3,854,733
		GID MAINSTAY FUND	9,990,418	10,159,110
		GLOBAL ENERGY & POWER INFRA II	9,044,284	4,440,302
		GREENFIELD ACQUI RTNRS VII LP	-	279,310
		GREENFIELD MULTI-STATEPARTNERS LP	494,349	1,428
		GRIDIRON CAP PARALLEL V LP	2,954,719	3,157,321
		GRIDIRON CAPITAL FUND II LP	7,699,604	1,548,824
		GRIDIRON CAPITAL FUND III LP	-	15,004,352
		GS PEP 2005-MANAGERS FUND	15,726,411	2,040,099
		H.I.G. CAPITAL PARTNERS V LP	7,313,980	4,544,101
		HEITMAN ASIA-PACIFIC PRO INVSTFEED	3,183,040	2,636,685
		HIG CAPITAL PARTNERS VI	4,439,486	4,371,720
		HIG EUROPE CAPITAL PARTNERS IILP	6,844,927	4,446,956
		HIGH ROAD CAPITAL PARTNERS FDII - WFC	9,048,376	7,793,247
		HVEST PART VI DIRECT FUND	5,251,375	224,753
		ICON INFRA PARTNERS FUND V LP	8,657,884	10,660,655
		IFM GLOBAL INFRA OFFSHORE LP	-	16,266,589
		INSIGHT PARTNERS CAYMAN XII LP	4,345,000	4,233,138
		INSIGHT PARTNERS FUND XFOLLOW-ON FUND L.P.	2,239,520	1,949,367
		INSIGHT PARTNERS XIII LP	125,000	109,904
		IRON POINT REAL ESTATE II-TE	2,030,275	893,490
		JADIAN IOS FUND 1-A	1,055,417	1,055,417
		JADIAN RE FUND II-A LP	700,039	700,039
		JADIAN REAL ESTATE FUND I LP	5,067,472	10,942,797
		JADIAN REAL ESTATE IMMUNO TEK	823,903	455,252
		JAMESTOWN PREMIER PROPERTYFUND LP	3,462,915	9,296,983
		JPMCB SPECIAL SITUATIONPROPERTY FUND	1,873,498	1
		JPMCB STRATEGIC PROPERTY FUND	12,525,012	20,406,058
		KAYNE ANDERSON CORE RE	6,037,423	5,961,768
		KEDAARA CAP GROWTH FD IV LP	402,453	384,477
		KKR DIV CORE INFRA FD (A) SCSP	10,000,000	11,807,785
		KPS SPEC SITUATIONS FD VI LP	610,533	609,997
		KPS SPECIAL SITUATIONS FUND IVLP	6,331,955	6,726,874
		LION INDUSTRIAL TRUSTPROPERTIES	2,283,471	36,140,912
		MERIDIAM INFRA NORTH AMERICAFD III (DOMESTIC)	11,857,090	16,476,983
		OAKTREE REAL ESTATE OPP VIIILP	4,999,866	5,548,517
		OHA EUROPEAN STRATEGIC CREDITFUND (OFFSHORE) LP	2,039,396	-
		OHA STRATEGIC CREDIT FUND II	558,085	2,653,119
		PATRIA - BRAZILIAN PRIVATEEQUITY FUND IV LP	9,255,110	8,256,330
		PATRIA-BRAZILIAN PE FUND V LP	5,887,815	9,091,491

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Partnership/Joint Venture Interests (Continued)				
	PEG POOLED VENT CAP INSTINVEST III LLC	\$ 15,839,003	\$ 6,187,856	
	PEG US POOLED CORP FIN INSTINVEST III LLC	10,401,793	1,152,237	
	PLATINUM CAP EQ PTNRS V LP	4,692,236	6,587,699	
	PLATINUM EQ CAP PARTNERS IIIII	686,216	1,390,391	
	PLATINUM EQUITY CAP PTNRS IV LPV LP	4,326,672	5,740,759	
	PLATINUM EQUITY CP VI LP	2,520,329	2,663,481	
	PRISA	17,879,487	23,097,596	
	PROVIDENCE DEBT FUND III LP	3,796,920	1,987,220	
	RESOLUTE FUND VI LP	1,456,278	1,500,573	
	RIDGEMONT EQUITY PARTNERS FUNDI LP	-	120,139	
	SECONDARY INVESTMENT SPV-3 LP	-	432,762	
	SECONDARY INVESTMENTS SPV-4 LP	81,310	77,898	
	SIXTH ST OPP PTNS III (A) LP	1,328,054	1,440,355	
	STRIPES VI (A) LP	3,113,257	3,037,284	
	SUMMIT PTNS GROWTH EQ XI-B LP	2,664,685	2,933,913	
	TPG GROWTH II LP	1,124,199	2,997,141	
	TPG GROWTH III LP	3,401,162	3,482,324	
	TPG OPPORTUNITIES FUND II	3,493,260	62,101	
	TTG BTR AGGREGATOR LLC	61,843	61,843	
	TZP CAPITAL PARTNERS II LP	9,246,082	12,308,979	
	UNICO CORE PLUS PARTNERS LP	4,772,119	986,936	
	UNICO PARTNERS I LP	321,294	1	
	USAA EAGLE REAL ESTATE FEEDER LP	3,922,901	18,446,695	
	VERDANE CAPITAL XI (D2) AB	2,125,379	2,028,557	
	WARBURG PINCUS PRIVATE EQUITYX LP	-	964,169	
	WATERLAND PE FUND VI C.V.	1,737,359	2,288,110	
	WATERLAND PRIVATE EQUITYFUND V	695,593	328,653	
	WCP NEWCOLD III LP	2,987,500	2,960,347	
	WOLFF CREDIT PARTNERS III LP	5,160,165	5,423,263	
Total Partnership/Joint Venture Interests		469,620,558	565,125,247	
Corporate Stock				
	ABBOTT LABORATORIES	6,510,928	7,013,725	
	ABBVIE INC	1,871,318	2,624,096	
	ADOBE INC	2,824,828	2,882,416	
	ADYEN NV	4,783,502	6,691,597	
	AIA GROUP LTDHK/01299	4,903,467	4,491,229	
	AIR LIQUIDE SA	3,763,425	3,999,870	
	AIRBNB INC	1,274,736	1,493,475	
	ALCON AG	4,127,867	4,423,076	
	ALLISON TRANSMISSION HOLDINGS	1,689,181	3,468,726	
	ALPHABET INC	10,629,979	19,069,679	
	AMAZON.COM INC	12,354,358	25,367,408	
	ARROW ELECTRONICS INC	1,716,660	2,454,704	
	ASML HOLDING NV	5,070,870	7,269,716	
	ATLASSIAN CORP	2,722,423	4,724,736	
	AXON ENTERPRISE INC	3,440,826	9,049,711	
	BANK RAKYAT INDONESIA PERSERO	2,341,322	1,831,508	
	BARRY CALLEBAUT AG	2,718,979	2,124,354	

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	Corporate Stock (Continued)			
	BECTON DICKINSON & CO		\$ 3,047,157	\$ 2,782,334
	BLOCK INC		5,966,547	5,102,460
	BOOKING HOLDINGS INC		1,155,352	2,573,642
	BOSTON SCIENTIFIC CORP		2,478,746	4,793,804
	CANADIAN TIRE CORP LTDCL A		2,950,681	2,590,465
	CAPITAL ONE FINANCIAL CORP		1,991,823	3,650,032
	CARLYLE GROUP INC/THE		2,436,085	3,206,115
	CHAILEASE HOLDING CO LTD		2,831,425	2,012,902
	CHUBB LTD		1,694,694	2,897,006
	CIE GENERALE DES ETABLISSEMENT		2,341,453	2,485,473
	CLOUDFLARE INC		2,969,587	4,092,055
	CME GROUP INC		4,726,199	5,932,315
	COCA-COLA CO/THE		10,245,501	10,791,028
	CONSTELLATION SOFTWARE INC		4,595,386	7,228,928
	CROCS INC		1,332,902	2,215,792
	CULLEN/FROST BANKERS INC		2,602,562	3,530,775
	CVS HEALTH CORP		2,735,190	1,589,106
	DAICEL CORP		1,527,880	1,692,346
	DAIMLER TRUCK HOLDING AG		2,872,917	2,976,338
	DEUTSCHE TELEKOM AG		1,804,975	2,877,850
	DEXCOM INC		5,782,560	4,703,685
	DIME COMMUNITY BANCSHARES INC		723,082	728,542
	DNB BANK ASA		2,595,100	2,533,282
	DODGE & COX GLOBAL STOCK-I		176,285,812	176,285,812
	DOLLARAMA INC		2,868,180	3,069,052
	DOORDASH INC		3,969,745	6,626,461
	DUNI AB		649,381	503,033
	EASTERN BANCSHARES INC		620,463	675,372
	ELEVANCE HEALTH INC		2,391,930	2,272,424
	ENI SPA		3,034,908	2,450,689
	ENTEGRIS INC		3,991,147	3,897,516
	ESSILORLUXOTTICA SA		2,891,835	4,020,523
	EXPERIAN PLC		7,494,759	6,883,770
	F&F CO LTD / NEW		814,064	560,650
	FLATEXDEGIRO AG		1,205,676	1,418,265
	FLUTTER ENTERTAINMENT PLC		8,568,405	12,038,896
	FRESENIUS KABI PHARMACEUTICALSRTS EXP			
	12/31/2010		750	750
	GAMING AND LEISURE PROPERTIES		2,917,503	2,908,864
	GENERAL DYNAMICS CORP		2,413,284	2,882,317
	GILEAD SCIENCES INC		2,555,690	3,334,557
	GREENCORE GROUP PLC		722,532	1,794,019
	HANNOVER RUECK SE		1,752,836	2,542,192
	HDFC BANK LTDADR		4,120,719	4,318,405
	HOYA CORP		2,931,444	3,367,894
	IMCD NV		3,574,533	3,313,206
	INCHCAPE PLC		1,717,946	1,860,879
	INGREDION INC		2,112,724	3,218,904
	INTERNATIONAL BANCSHARES CORP		2,427,191	3,189,706
	INTERPUBLIC GROUP OF COS INC/T		2,846,818	2,387,304
	IPSOS SA		933,935	1,115,765
	IRHYTHM TECHNOLOGIES INC		4,083,169	3,261,900

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Stock (Continued)				
	ITOCHU CORP	\$ 2,215,185	\$ 2,800,702	
	JAZZ PHARMACEUTICALS PLC	3,590,768	2,894,025	
	JPMORGAN CHASE & CO	1,830,233	3,553,940	
	KDDI CORP	2,473,927	2,778,297	
	KEYENCE CORP	6,121,198	6,374,173	
	KIA CORP	1,572,807	2,411,288	
	KONINKLIJKE AHOLD DELHAIZE NV	2,494,431	2,905,363	
	LATAM AIRLINES GROUP SA	970,410	1,015,749	
	LG ELECTRONICS INC	3,271,366	2,274,464	
	LINDE PLC	1,559,643	2,698,483	
	LKQ CORP	2,922,645	2,322,600	
	LOJAS RENNER SA	2	1	
	LONDON STOCK EXCHANGE GROUP PL	5,752,564	7,900,675	
	LOOMIS AB	1,677,401	1,566,239	
	L'OREAL SA	3,586,252	3,461,272	
	LUNDIN MINING CORP	2,308,346	2,600,951	
	LVMH MOET HENNESSY LOUIS VUITT	2,745,117	2,807,285	
	M&T BANK CORP	2,016,542	2,857,752	
	MACNICA HOLDINGS INC	445,764	398,081	
	MAGNA INTL INC	3,094,992	2,484,242	
	MARATHON PETROLEUM CORP	1,661,924	2,637,806	
	MARUBENI CORP	1,787,616	2,510,329	
	MASTERCARD INC	4,756,629	8,416,168	
	MERCADOLIBRE INC	5,088,916	7,599,266	
	METHANEX CORP	2,901,350	3,473,082	
	MICROSOFT CORP	8,639,203	16,403,516	
	MKS INSTRUMENTS INC	2,227,535	2,672,384	
	MONDELEZ INTERNATIONAL INC	3,018,750	2,565,583	
	MONDI PLC	2,804,219	1,862,882	
	MUENCHENER RUECKVERSICHERUNGS-	1,847,473	3,001,637	
	NETFLIX INC	3,636,894	9,334,794	
	NEXT PLC	1,578,867	2,541,192	
	NEXTERA ENERGY INC	2,155,912	2,535,245	
	NIKE INC	6,623,380	5,655,500	
	NOMAD FOODS LTD	1,098,597	907,798	
	NORTHERN TRUST CORP	2,718,904	3,228,750	
	NOV INC	2,601,290	1,806,122	
	NOVARTIS AG	2,281,774	2,717,132	
	NOVO NORDISK A/S	3,217,005	2,711,373	
	NVIDIA CORP	5,843,336	14,270,864	
	OPEN TEXT CORPORATION	2,608,107	2,093,116	
	ORIX CORP	2,853,638	2,654,233	
	PANDORA A/S	3,528,442	4,152,200	
	PEPSICO INC	3,664,032	3,199,799	
	POPULAR INC	1,864,817	3,123,262	
	PREMIER FINANCIAL CORP	792,711	682,719	
	PUBLICIS GROUPE SA	2,054,180	3,193,509	
	RAIA DROGASIL SA	3,481,995	2,546,168	
	RB GLOBAL INC	4,822,787	6,079,883	
	RELX PLC	6,253,495	8,771,227	
	REPLIGEN CORP	2,743,316	2,228,335	

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December 31, 2024

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Stock (Continued)				
	SALLY BEAUTY HOLDINGS INC		\$ 2,894,786	\$ 2,255,110
	SAMSUNG ELECTRONICS CO LTD		3,210,329	2,631,579
	SANDOZ GROUP AG		114,197	221,154
	SANOFI SA		2,840,892	2,465,521
	SAP SE		4,842,838	6,299,265
	SCHNEIDER ELECTRIC SE		4,808,854	5,075,349
	SCIENCE APPLICATIONS INTERNATI		1,609,213	1,989,684
	SERVICENOW INC		7,372,676	8,182,006
	SHINHAN FINANCIAL GROUP CO LTD		2,657,915	2,483,602
	SHOPIFY INC		2,680,048	6,908,047
	SIKA AG		5,004,311	4,316,238
	SK HYNIX INC		1,859,030	2,861,735
	SKF AB		2,296,859	2,622,852
	SLM CORP		2,324,647	3,494,386
	SMURFIT WESTROCK PLC		2,644,582	3,833,210
	SNOWFLAKE INC		3,448,580	3,218,213
	SONY GROUP CORP		2,275,114	3,181,214
	SPAREBANK 1 SOR-NORGE ASA		1,727,722	2,103,181
	SPAREBANKEN VEST		681,756	1,114,800
	SPOTIFY TECHNOLOGY SA		3,819,948	4,392,377
	SYNOPSIS INC		3,118,077	3,848,905
	TAIWAN SEMICONDUCTOR MANUFACTUADR		4,457,477	9,493,937
	TAKEDA PHARMACEUTICAL CO LTD		2,815,983	2,612,460
	TECNOGLASS INC		635,969	943,908
	TELEPERFORMANCE SE		3,354,126	1,798,879
	TENCENT HOLDINGS LTD HK/00700		2,895,286	2,950,584
	TETRA TECH INC		2,078,203	1,963,395
	THERMO FISHER SCIENTIFIC INC		4,010,590	4,025,540
	TITAN CEMENT INTERNATIONAL SA		590,097	595,329
	TOTALENERGIES SE		2,520,384	2,271,377
	TREVI - FINANZIARIA INDUSTRIAL		387,344	117,739
	TYSON FOODS INC		2,781,405	2,609,557
	UNION PACIFIC CORP		3,757,943	3,473,505
	UNITED OVERSEAS BANK LTD		2,420,114	3,146,718
	UNITED THERAPEUTICS CORP		1,836,578	2,999,140
	UNITEDHEALTH GROUP INC		2,033,283	2,551,558
	VINCI SA		2,235,710	2,319,789
	VIPSHOP HOLDINGS LTDADR		1,332,029	1,282,344
	VISA INC		5,538,345	10,163,846
	VK IPJSCGDR		640,908	161,306
	VULCAN MATERIALS CO		2,790,265	3,652,152
	WAL-MART DE MEXICO SAB DE CV		3,218,077	2,419,756
	WEBSTER FINANCIAL CORP		2,600,974	3,190,943
	WILLIAMS COS INC/THE		1,501,445	2,711,412
	WOLTERS KLUWER NV		3,439,847	3,321,386
	YARA INTERNATIONAL ASA		3,327,649	2,326,950
	ZALANDO SE		3,983,239	3,756,966
Total Corporate Stock			675,272,183	794,205,786

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December 31, 2024

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
	Corporate Obligations			
*		AMERICAN ELECTRIC POWER PROPVAR RT 12/31/2049 DD 07/24/08	\$ 9,929,882	\$ 9,929,882
		AMERICOLD REALTY OPERATING PAR5.409% 09/12/2034 DD 09/12/24	65,047	62,212
		AS MILEAGE PLAN IP LTD 144A5.021% 10/20/2029 DD 10/15/24	175,000	170,504
		ABBOTT LABORATORIES4.750% 11/30/2036 DD 11/22/16	2,632,387	2,377,246
		ABBOTT LABORATORIES4.900% 11/30/2046 DD 11/22/16	248,860	233,608
		ABBVIE INC4.050% 11/21/2039 DD 05/21/20	3,813,462	3,158,660
		ABBVIE INC4.250% 11/21/2049 DD 05/21/20	1,837,960	1,521,852
		ABBVIE INC4.400% 11/06/2042 DD 05/06/13	829,024	728,196
		ABBVIE INC4.450% 05/14/2046 DD 05/12/16	923,004	779,644
		ABBVIE INC4.500% 05/14/2035 DD 05/14/15	2,481,590	2,371,876
		ABBVIE INC4.550% 03/15/2035 DD 09/15/20	429,781	347,967
		ABBVIE INC4.750% 03/15/2045 DD 09/15/20	530,542	401,756
		ABBVIE INC4.850% 06/15/2044 DD 06/15/20	164,607	158,848
		ABBVIE INC4.875% 11/14/2048 DD 09/18/18	1,446,519	1,225,623
		ABBVIE INC5.400% 03/15/2054 DD 02/26/24	986,604	953,261
		ABBVIE INC5.500% 03/15/2064 DD 02/26/24	418,429	401,927
		ABN AMRO BANK NV 144AVAR RT 12/03/2028 DD 12/03/24	2,800,000	2,802,016
		ACCENTURE CAPITAL INC4.500% 10/04/2034 DD 10/04/24	519,459	494,218
		ADVANCED MICRO DEVICES INC4.393% 06/01/2052 DD 06/09/22	1,000,000	837,010
		AERCAP IRELAND CAPITAL DAC / A3.400% 10/29/2033 DD 10/29/21	944,067	868,958
		AERCAP IRELAND CAPITAL DAC / A3.850% 10/29/2041 DD 10/29/21	395,546	403,719
		AERCAP IRELAND CAPITAL DAC / A4.625% 09/10/2029 DD 09/10/24	198,828	195,634
		AERCAP IRELAND CAPITAL DAC / A6.100% 01/15/2027 DD 09/25/23	1,632,456	1,677,376
		AERCAP IRELAND CAPITAL DAC / A6.450% 04/15/2027 DD 04/15/24	337,607	343,393
		AETNA INC6.625% 06/15/2036 DD 06/09/06	125,613	121,209
		AIA GROUP LTD 144A3.200% 09/16/2040 DD 09/16/20	339,453	253,732
		AIA GROUP LTD 144A5.400% 09/30/2054 DD 09/30/24	348,096	324,716
		AIB GROUP PLC 144AVAR RT 03/28/2035 DD 03/28/24	454,833	450,149
		AIR PRODUCTS AND CHEMICALS INC2.700% 05/15/2040 DD 04/30/20	774,706	578,243
		AKER BP ASA 144A5.125% 10/01/2034 DD 10/01/24	124,604	117,408
		AKER BP ASA 144A5.800% 10/01/2054 DD 10/01/24	1,421,576	1,306,973

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Corporate Obligations (Continued)				
	ALABAMA POWER CO3.000% 03/15/2052 DD 11/18/21	\$ 138,319	\$ 96,455	
	ALABAMA POWER CO3.450% 10/01/2049 DD 09/17/19	29,900	21,212	
	ALABAMA POWER CO3.700% 12/01/2047 DD 11/08/17	79,170	78,440	
	ALABAMA POWER CO4.300% 07/15/2048 DD 06/28/18	1,872,662	1,363,889	
	ALABAMA POWER CO6.000% 03/01/2039 DD 03/06/09	285,267	271,346	
	ALCON FINANCE CORP 144A3.800% 09/23/2049 DD 09/23/19	685,082	554,578	
	ALEXANDRIA REAL ESTATE EQUITIE2.750% 12/15/2029 DD 09/12/19	310,274	314,677	
	ALGONQUIN POWER & UTILITIES COSTEP 06/15/2026 DD 03/15/2024	231,052	234,097	
	ALTRIA GROUP INC3.400% 02/04/2041 DD 02/04/21	469,934	426,340	
	ALTRIA GROUP INC4.250% 08/09/2042 DD 08/09/12	603,520	547,586	
	ALTRIA GROUP INC4.450% 05/06/2050 DD 05/06/20	426,551	333,912	
	AMAZON.COM INC2.700% 06/03/2060 DD 06/03/20	1,416,987	931,208	
	AMAZON.COM INC3.100% 05/12/2051 DD 05/12/21	808,105	776,802	
	AMAZON.COM INC3.250% 05/12/2061 DD 05/12/21	1,868,701	1,395,259	
	AMAZON.COM INC3.875% 08/22/2037 DD 02/22/18	2,113,913	2,085,013	
	AMAZON.COM INC3.950% 04/13/2052 DD 04/13/22	1,138,820	904,390	
	AMAZON.COM INC4.050% 08/22/2047 DD 02/22/18	1,034,394	707,290	
	AMAZON.COM INC4.250% 08/22/2057 DD 02/22/18	297,675	270,758	
	AMEREN CORP5.700% 12/01/2026 DD 11/20/23	78,898	80,281	
	AMEREN ILLINOIS CO5.900% 12/01/2052 DD 11/22/22	129,598	133,432	
	AMERICAN AIRLINES 2017-1 CLASS3.650% 08/15/2030 DD 01/13/17	10,211	9,725	
	AMERICAN EXPRESS COVAR RT 02/16/2028 DD 02/16/24	472,570	475,758	
	AMERICAN EXPRESS COVAR RT 05/01/2026 DD 05/01/23	43,717	44,012	
	AMERICAN EXPRESS COVAR RT 07/26/2035 DD 07/26/24	66,027	64,292	
	AMERICAN EXPRESS COVAR RT 07/28/2027 DD 07/28/23	4,790,000	4,842,786	

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	Corporate Obligations (Continued)			
		AMERICAN HONDA FINANCE CORP4.400% 09/05/2029 DD 09/05/24	\$ 159,808	\$ 155,563
		AMERICAN HONDA FINANCE CORP5.050% 07/10/2031 DD 07/10/24	43,987	43,544
		AMERICAN TOWER CORP3.100% 06/15/2050 DD 06/03/20	248,777	202,306
		AMERICAN TOWER CORP5.000% 01/31/2030 DD 11/21/24	254,036	253,554
		AMERICAN TRANSMISSION SYS 144A2.650% 01/15/2032 DD 12/01/21	718,013	610,495
		AMERICAN WATER CAPITAL CORP2.800% 05/01/2030 DD 04/14/20	736,973	664,372
		AMERICAN WATER CAPITAL CORP3.750% 09/01/2047 DD 08/10/17	463,411	315,359
		AMERICAN WATER CAPITAL CORP4.200% 09/01/2048 DD 08/09/18	70,610	55,703
		AMGEN INC2.770% 09/01/2053 DD 03/01/21	29,176	32,082
		AMGEN INC3.000% 01/15/2052 DD 08/09/21	399,322	277,658
		AMGEN INC3.150% 02/21/2040 DD 02/21/20	4,612,356	3,643,868
		AMGEN INC4.200% 02/22/2052 DD 02/22/22	1,220,917	939,645
		AMGEN INC4.400% 02/22/2062 DD 02/22/22	258,398	202,056
		AMGEN INC4.400% 05/01/2045 DD 05/01/15	982,051	734,639
		AMGEN INC4.563% 06/15/2048 DD 12/15/16	277,705	216,882
		AMGEN INC4.663% 06/15/2051 DD 12/15/16	1,125,937	910,619
		AMGEN INC5.600% 03/02/2043 DD 03/02/23	1,080,800	1,044,042
		AMGEN INC5.650% 03/02/2053 DD 03/02/23	324,532	313,505
		AMGEN INC5.750% 03/02/2063 DD 03/02/23	1,035,302	1,005,572
		AMPHENOL CORP5.375% 11/15/2054 DD 10/31/24	393,716	381,000
		ANALOG DEVICES INC5.300% 04/01/2054 DD 04/03/24	1,134,072	1,087,822
		ANGLO AMERICAN CAPITAL PL 144A4.000% 09/11/2027 DD 09/11/17	342,297	340,515
		ANGLO AMERICAN CAPITAL PL 144A6.000% 04/05/2054 DD 04/05/24	207,096	207,535
		ANHEUSER-BUSCH COS LLC / ANHEU4.700% 02/01/2036 DD 02/01/19	3,162,399	3,072,371
		ANHEUSER-BUSCH COS LLC / ANHEU4.900% 02/01/2046 DD 02/01/19	2,542,531	2,393,668
		ANHEUSER-BUSCH INBEV WORLDWIDE4.439% 10/06/2048 DD 04/06/17	2,709,005	2,269,641
		ANHEUSER-BUSCH INBEV WORLDWIDE5.450% 01/23/2039 DD 01/23/19	6,293,019	4,993,147
		ANHEUSER-BUSCH INBEV WORLDWIDE8.200% 01/15/2039 DD 01/15/11	403,430	395,284
*		AON CORP / AON GLOBAL HOLDINGS3.900% 02/28/2052 DD 02/28/22	393,944	294,056
*		AON GLOBAL LTD4.600% 06/14/2044 DD 05/28/14	238,764	228,614
*		AON NORTH AMERICA INC5.750% 03/01/2054 DD 03/01/24	551,626	543,012

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Corporate Obligations (Continued)				
	APA INFRASTRUCTURE LTD 144A5.750% 09/16/2044 DD 09/16/24		\$ 235,556	\$ 232,950
	APPLE INC2.650% 02/08/2051 DD 02/08/21		2,538,101	1,742,055
	APPLE INC2.650% 05/11/2050 DD 05/11/20		3,648,963	2,677,503
	APPLE INC2.700% 08/05/2051 DD 08/05/21		552,002	346,758
	APPLE INC3.450% 02/09/2045 DD 02/09/15		2,382,601	1,795,225
	APPLE INC3.750% 11/13/2047 DD 11/13/17		1,964,975	1,421,495
	APPLE INC3.850% 05/04/2043 DD 05/03/13		748,346	729,934
	APPLE INC3.850% 08/04/2046 DD 08/04/16		487,646	492,441
	APPLE INC3.950% 08/08/2052 DD 08/08/22		609,997	518,808
	APPLE INC4.100% 08/08/2062 DD 08/08/22		308,909	247,916
	APPLOVIN CORP5.375% 12/01/2031 DD 12/05/24		159,832	160,182
	ARCH CAPITAL FINANCE LLC4.011% 12/15/2026 DD 12/08/16		338,525	347,797
	ARTHUR J GALLAGHER & CO2.400% 11/09/2031 DD 11/09/21		148,627	155,784
	ARTHUR J GALLAGHER & CO5.150% 02/15/2035 DD 12/19/24		134,496	131,810
	ARTHUR J GALLAGHER & CO5.550% 02/15/2055 DD 12/19/24		303,097	294,386
	ASCENSION HEALTH2.532% 11/15/2029 DD 10/23/19		593,705	585,874
	ASTRAZENECA PLC4.000% 09/18/2042 DD 09/18/12		965,679	817,433
	ASTRAZENECA PLC4.375% 11/16/2045 DD 11/16/15		495,738	369,065
	ASTRAZENECA PLC6.450% 09/15/2037 DD 09/12/07		1,602,970	1,519,705
	AT&T INC1.700% 03/25/2026 DD 03/23/21		331,063	339,293
	AT&T INC3.500% 06/01/2041 DD 05/28/20		1,333,432	1,000,935
	AT&T INC3.500% 09/15/2053 DD 03/15/21		3,150,517	2,498,154
	AT&T INC3.550% 09/15/2055 DD 03/15/21		9,045,697	7,216,698
	AT&T INC3.650% 09/15/2059 DD 03/15/21		1,207,140	879,295
	AT&T INC3.800% 12/01/2057 DD 06/01/21		6,633,219	4,490,253
	ATHENE HOLDING LTD6.250% 04/01/2054 DD 03/22/24		657,182	662,917
	ATMOS ENERGY CORP2.850% 02/15/2052 DD 10/01/21		490,599	361,216
	ATMOS ENERGY CORP3.375% 09/15/2049 DD 10/02/19		68,913	68,722
	ATMOS ENERGY CORP5.000% 12/15/2054 DD 10/01/24		476,582	433,805
	AVALONBAY COMMUNITIES INC5.350% 06/01/2034 DD 05/14/24		1,016,909	1,024,784
	AVOLON HOLDINGS FUNDING L 144A5.750% 03/01/2029 DD 01/25/24		3,866,421	3,939,234
	BACARDI LTD / BACARDI-MAR 144A5.900% 06/15/2043 DD 06/20/23		328,815	319,938
	BAE SYSTEMS PLC 144A3.000% 09/15/2050 DD 09/15/20		551,807	362,701

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Corporate Obligations (Continued)				
	BAE SYSTEMS PLC 144A5.500% 03/26/2054 DD 03/26/24	\$ 598,964	\$ 589,911	
	BALTIMORE GAS AND ELECTRIC CO2.900% 06/15/2050 DD 06/05/20	539,703	340,881	
	BALTIMORE GAS AND ELECTRIC CO5.650% 06/01/2054 DD 06/06/24	319,910	316,170	
	BALTIMORE GAS AND ELECTRIC CO6.350% 10/01/2036 DD 04/01/07	1,156,848	1,008,524	
	BANCO SANTANDER SA5.147% 08/18/2025 DD 08/18/22	1,200,000	1,201,116	
	BANCO SANTANDER SAVAR RT 03/14/2028 DD 03/14/24	130,000	131,127	
	BANCO SANTANDER SAVAR RT 09/14/2027 DD 09/14/21	82,018	85,075	
	BANK GOSPODARSTWA KRAJOWE 144A5.750% 07/09/2034 DD 07/09/24	69,273	69,541	
	BANK OF AMERICA CORP6.110% 01/29/2037 DD 01/29/07	1,229,712	1,182,499	
	BANK OF AMERICA CORP7.750% 05/14/2038 DD 05/14/08	362,354	274,598	
	BANK OF AMERICA CORPVAR RT 01/23/2035 DD 01/23/24	340,190	340,459	
	BANK OF AMERICA CORPVAR RT 03/11/2027 DD 03/11/21	483,332	518,395	
	BANK OF AMERICA CORPVAR RT 03/15/2050 DD 03/15/19	392,770	293,471	
	BANK OF AMERICA CORPVAR RT 03/20/2051 DD 03/20/20	200,000	156,850	
	BANK OF AMERICA CORPVAR RT 04/22/2042 DD 04/22/21	2,777,041	2,417,687	
	BANK OF AMERICA CORPVAR RT 04/23/2027 DD 04/23/19	558,584	579,600	
	BANK OF AMERICA CORPVAR RT 04/24/2038 DD 04/24/17	3,443,324	2,959,915	
	BANK OF AMERICA CORPVAR RT 06/19/2041 DD 06/19/20	5,817,798	4,224,130	
	BANK OF AMERICA CORPVAR RT 09/15/2034 DD 09/15/23	560,000	575,086	
	BANK OF AMERICA CORPVAR RT 10/20/2032 DD 10/20/21	68,645	67,550	
	BANK OF AMERICA CORPVAR RT 10/25/2035 DD 10/25/24	1,114,132	1,088,519	
	BANK OF MONTREAL5.511% 06/04/2031 DD 06/04/24	162,487	157,429	
	BANK OF NEW YORK MELLON CORP/TVAR RT 02/01/2034 DD 01/31/23	1,905,000	1,831,372	
	BANK OF NEW YORK MELLON CORP/TVAR RT 02/07/2028 DD 02/07/17	34,010	34,106	
	BANK OF NOVA SCOTIA/THE5.650% 02/01/2034 DD 12/07/23	1,488,525	1,517,893	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	BARCLAYS PLCVAR RT 03/12/2028 DD 03/12/24	\$ 1,480,000	\$ 1,497,346	
	BARCLAYS PLCVAR RT 03/12/2055 DD 03/12/24	410,000	410,554	
	BARCLAYS PLCVAR RT 08/09/2026 DD 08/09/22	40,017	40,076	
	BARCLAYS PLCVAR RT 09/10/2028 DD 09/10/24	850,000	844,756	
	BARCLAYS PLCVAR RT 09/10/2030 DD 09/10/24	250,000	245,158	
	BARCLAYS PLCVAR RT 11/24/2042 DD 11/24/21	540,000	391,333	
	BAT CAPITAL CORP4.390% 08/15/2037 DD 08/15/18	869,197	684,835	
	BAXTER INTERNATIONAL INC1.915% 02/01/2027 DD 12/01/21	253,921	268,618	
	BAXTER INTERNATIONAL INC3.132% 12/01/2051 DD 06/01/22	1,374,426	1,073,002	
	BAYER US FINANCE LLC 144A6.125% 11/21/2026 DD 11/21/23	254,870	259,886	
	BAYER US FINANCE LLC 144A6.500% 11/21/2033 DD 11/21/23	70,416	71,203	
	BAYLOR SCOTT & WHITE HOLDINGS2.839% 11/15/2050 DD 01/21/21	255,000	162,328	
	BAYLOR SCOTT & WHITE HOLDINGS4.185% 11/15/2045 DD 04/22/15	191,393	140,796	
	BECTON DICKINSON & CO4.669% 06/06/2047 DD 06/06/17	457,597	317,090	
	BERKSHIRE HATHAWAY ENERGY CO1.650% 05/15/2031 DD 10/29/20	275,421	279,572	
	BERKSHIRE HATHAWAY ENERGY CO2.850% 05/15/2051 DD 10/29/20	2,032,067	1,313,950	
	BERKSHIRE HATHAWAY ENERGY CO3.800% 07/15/2048 DD 01/05/18	327,284	245,101	
	BERKSHIRE HATHAWAY ENERGY CO4.450% 01/15/2049 DD 07/25/18	121,744	82,612	
	BERKSHIRE HATHAWAY ENERGY CO6.125% 04/01/2036 DD 10/01/06	2,097,711	1,999,845	
	BERKSHIRE HATHAWAY FINANCE COR2.850% 10/15/2050 DD 10/15/20	399,680	251,468	
	BERKSHIRE HATHAWAY FINANCE COR3.850% 03/15/2052 DD 03/15/22	2,247,040	1,708,681	
	BERKSHIRE HATHAWAY FINANCE COR4.300% 05/15/2043 DD 05/15/13	1,655,484	1,170,900	
	BHP BILLITON FINANCE USA LTD5.000% 09/30/2043 DD 09/30/13	381,479	271,202	
	BHP BILLITON FINANCE USA LTD5.250% 09/08/2033 DD 09/08/23	574,774	608,104	
	BHP BILLITON FINANCE USA LTD5.500% 09/08/2053 DD 09/08/23	888,400	855,400	
	BIMBO BAKERIES USA INC 144A5.375% 01/09/2036 DD 01/09/24	504,513	491,017	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
	BIOGEN INC	3.250% 02/15/2051 DD 02/15/22	\$ 1,683,453	\$ 1,200,635
	BLACK HILLS CORP	2.500% 06/15/2030 DD 06/17/20	101,006	100,342
	BLACKROCK FUNDING INC	5.250% 03/14/2054 DD 03/14/24	959,919	922,535
	BLACKROCK FUNDING INC	5.350% 01/08/2055 DD 07/26/24	371,019	349,104
	BNP PARIBAS SA 144AVAR RT	11/19/2035 DD 11/19/24	1,560,000	1,513,543
	BOEING CO/THE	2.800% 03/01/2027 DD 02/16/17	13,795	14,296
	BOEING CO/THE	3.100% 05/01/2026 DD 05/02/19	792,530	799,352
	BOEING CO/THE	3.250% 02/01/2028 DD 11/02/20	332,504	329,308
	BOEING CO/THE	3.600% 05/01/2034 DD 05/02/19	94,729	99,620
	BOEING CO/THE	5.705% 05/01/2040 DD 05/04/20	3,230,563	3,047,200
	BOEING CO/THE	5.805% 05/01/2050 DD 05/04/20	2,605,448	2,269,571
	BOEING CO/THE	5.930% 05/01/2060 DD 05/04/20	621,161	514,346
	BOEING CO/THE	6.858% 05/01/2054 DD 11/01/24	1,275,000	1,357,773
	BOEING CO/THE	7.008% 05/01/2064 DD 11/01/24	790,000	839,762
	BOSTON SCIENTIFIC CORP	4.550% 03/01/2039 DD 02/25/19	257,760	208,141
	BP CAPITAL MARKETS AMERICA INC	2.772% 11/10/2050 DD 08/10/20	2,890,037	1,910,671
	BP CAPITAL MARKETS AMERICA INC	2.939% 06/04/2051 DD 12/04/20	669,759	443,429
	BP CAPITAL MARKETS AMERICA INC	3.000% 02/24/2050 DD 02/24/20	1,522,032	1,125,915
	BP CAPITAL MARKETS AMERICA INC	3.001% 03/17/2052 DD 09/17/21	918,798	619,027
	BP CAPITAL MARKETS AMERICA INC	3.060% 06/17/2041 DD 06/17/21	240,959	234,705
	BP CAPITAL MARKETS AMERICA INC	3.379% 02/08/2061 DD 02/08/21	702,421	466,181
	BP CAPITAL MARKETS AMERICA INC	4.812% 02/13/2033 DD 02/13/23	1,070,000	1,032,571
	BP CAPITAL MARKETS AMERICA INC	4.868% 11/25/2029 DD 11/25/24	100,000	100,040
	BP CAPITAL MARKETS AMERICA INC	5.017% 11/17/2027 DD 05/17/24	143,000	144,552
	BP CAPITAL MARKETS AMERICA INC	5.227% 11/17/2034 DD 05/17/24	124,499	123,220
	BPCE SA 144AVAR RT	10/19/2034 DD 10/19/23	1,212,000	1,292,004

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	BRISTOL-MYERS SQUIBB CO2.350% 11/13/2040 DD 11/13/20	\$ 149,273	\$ 99,674	
	BRISTOL-MYERS SQUIBB CO2.550% 11/13/2050 DD 11/13/20	608,344	376,695	
	BRISTOL-MYERS SQUIBB CO3.700% 03/15/2052 DD 03/02/22	119,767	87,478	
	BRISTOL-MYERS SQUIBB CO4.250% 10/26/2049 DD 04/26/20	3,857,215	2,711,189	
	BRISTOL-MYERS SQUIBB CO4.350% 11/15/2047 DD 05/15/20	1,147,016	866,978	
	BRISTOL-MYERS SQUIBB CO4.550% 02/20/2048 DD 02/20/20	321,961	221,364	
	BRISTOL-MYERS SQUIBB CO5.200% 02/22/2034 DD 02/22/24	101,581	99,905	
	BRISTOL-MYERS SQUIBB CO5.500% 02/22/2044 DD 02/22/24	29,774	29,829	
	BRISTOL-MYERS SQUIBB CO5.550% 02/22/2054 DD 02/22/24	1,318,959	1,300,309	
	BRISTOL-MYERS SQUIBB CO5.650% 02/22/2064 DD 02/22/24	308,683	299,048	
	BRISTOL-MYERS SQUIBB CO6.400% 11/15/2063 DD 11/13/23	2,235,609	2,382,304	
	BROADCOM INC 144A3.500% 02/15/2041 DD 01/19/21	815,931	757,822	
	BROADCOM INC 144A4.926% 05/15/2037 DD 04/18/22	176,683	179,862	
	BROADCOM INC4.800% 10/15/2034 DD 10/02/24	2,340,146	2,263,136	
	BROOKFIELD FINANCE INC5.675% 01/15/2035 DD 06/21/24	588,039	564,295	
	BROOKFIELD FINANCE INC5.968% 03/04/2054 DD 03/04/24	280,000	283,408	
	BROOKLYN UNION GAS CO/THE 144A6.415% 07/18/2054 DD 07/18/24	370,000	384,119	
	BROWN & BROWN INC2.375% 03/15/2031 DD 09/24/20	178,483	187,382	
	BURLINGTON NORTHERN SANTA FE L3.900% 08/01/2046 DD 05/16/16	1,577,759	1,100,284	
	BURLINGTON NORTHERN SANTA FE L4.050% 06/15/2048 DD 03/05/18	973,783	825,361	
	BURLINGTON NORTHERN SANTA FE L4.150% 04/01/2045 DD 03/09/15	1,165,222	975,338	
	BURLINGTON NORTHERN SANTA FE L4.375% 09/01/2042 DD 08/23/12	1,570,858	1,366,958	
	BURLINGTON NORTHERN SANTA FE L4.550% 09/01/2044 DD 08/18/14	1,642,191	1,207,886	
	BURLINGTON NORTHERN SANTA FE L5.050% 03/01/2041 DD 09/10/10	382,477	329,399	
	BURLINGTON NORTHERN SANTA FE L5.150% 09/01/2043 DD 08/22/13	362,264	330,520	
	BURLINGTON NORTHERN SANTA FE L5.200% 04/15/2054 DD 06/09/23	279,849	264,088	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	BURLINGTON NORTHERN SANTA FE L5.400% 06/01/2041 DD 05/19/11	\$ 858,588	\$ 777,328	
	BURLINGTON NORTHERN SANTA FE L5.500% 03/15/2055 DD 06/07/24	338,198	335,033	
	CADENCE DESIGN SYSTEMS INC4.700% 09/10/2034 DD 09/10/24	239,544	230,182	
	CAMERON LNG LLC 144A3.701% 01/15/2039 DD 12/13/19	235,000	189,485	
	CANADIAN NATIONAL RAILWAY CO3.650% 02/03/2048 DD 02/06/18	300,605	199,685	
	CANADIAN PACIFIC RAILWAY CO3.100% 12/02/2051 DD 12/02/21	138,998	91,174	
	CARDINAL HEALTH INC4.368% 06/15/2047 DD 06/12/17	366,157	391,789	
	CARDINAL HEALTH INC5.350% 11/15/2034 DD 11/22/24	393,890	386,721	
	CARDINAL HEALTH INC5.750% 11/15/2054 DD 11/22/24	249,013	239,518	
	CARGILL INC 144A4.375% 04/22/2052 DD 04/22/22	184,203	152,760	
	CARRIER GLOBAL CORP6.200% 03/15/2054 DD 11/30/23	435,281	461,467	
	CATERPILLAR FINANCIAL SERVICES4.700% 11/15/2029 DD 11/15/24	149,756	149,477	
	CATERPILLAR INC3.803% 08/15/2042 DD 08/15/12	145,250	142,324	
	CBRE SERVICES INC4.875% 03/01/2026 DD 08/13/15	90,024	89,879	
	CCP_IRS. R USD-SOFR-COMPOUND CPAY 3.59% 2053 SEP 20	11,898	181,028	
	CCP_IRS. R USD-SOFR-COMPOUND CVAR RT 25% 2053 JUN 21	-	275,838	
	CCP_IRS. R USD-SOFR-COMPOUND C3.250% 25% 2053 JUN 21	(22,362)	-	
	CENCORA INC4.850% 12/15/2029 DD 12/09/24	115,022	114,428	
	CENCORA INC5.150% 02/15/2035 DD 12/09/24	399,780	390,712	
	CENTERPOINT ENERGY INC5.400% 06/01/2029 DD 05/10/24	71,849	72,807	
	CENTERPOINT ENERGY RESOURCES C5.250% 03/01/2028 DD 02/23/23	128,346	126,186	
	CHARLES SCHWAB CORP/THEVAR RT 05/19/2034 DD 05/19/23	940,000	968,463	
	CHARTER COMMUNICATIONS OPERATI2.800% 04/01/2031 DD 04/17/20	132,074	136,691	
	CHARTER COMMUNICATIONS OPERATI3.500% 03/01/2042 DD 10/12/21	535,966	367,286	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		CHARTER COMMUNICATIONS OPERATI3.700% 04/01/2051 DD 04/17/20	\$ 187,939	\$ 118,870
		CHARTER COMMUNICATIONS OPERATI3.850% 04/01/2061 DD 12/04/20	529,375	319,897
		CHARTER COMMUNICATIONS OPERATI4.800% 03/01/2050 DD 10/24/19	670,590	628,555
		CHARTER COMMUNICATIONS OPERATI4.908% 07/23/2025 DD 07/23/16	137,819	138,837
		CHARTER COMMUNICATIONS OPERATI5.125% 07/01/2049 DD 07/10/19	771,218	602,444
		CHARTER COMMUNICATIONS OPERATI5.375% 05/01/2047 DD 11/01/17	5,475,162	4,215,167
		CHARTER COMMUNICATIONS OPERATI6.150% 11/10/2026 DD 11/10/23	1,148,977	1,172,322
		CHARTER COMMUNICATIONS OPERATI6.384% 10/23/2035 DD 10/23/16	809,896	798,864
		CHARTER COMMUNICATIONS OPERATI6.484% 10/23/2045 DD 10/23/16	1,352,242	1,026,139
		CHENIERE ENERGY INC5.650% 04/15/2034 DD 03/19/24	668,586	676,271
		CHENIERE ENERGY PARTNERS LP4.000% 03/01/2031 DD 09/01/21	907,300	943,816
		CHENIERE ENERGY PARTNERS LP4.500% 10/01/2029 DD 04/01/20	933,040	968,180
		CHEVRON CORP2.978% 05/11/2040 DD 05/11/20	1,095,000	812,391
		CHILE GOVERNMENT INTERNATIONAL3.500% 01/25/2050 DD 06/25/19	610,020	401,550
		CHILE GOVERNMENT INTERNATIONAL4.000% 01/31/2052 DD 01/31/22	414,029	311,000
		CHILE GOVERNMENT INTERNATIONAL4.340% 03/07/2042 DD 03/07/22	841,326	704,788
		CHILE GOVERNMENT INTERNATIONAL5.330% 01/05/2054	281,725	272,669
		CHILE GOVERNMENT INTERNATIONAL5.330% 01/05/2054 DD 07/05/23	789,408	730,197
		CIGNA GROUP/THE3.400% 03/15/2050 DD 03/16/20	407,416	372,047
		CIGNA GROUP/THE3.875% 10/15/2047 DD 04/15/20	154,379	116,691
		CIGNA GROUP/THE4.800% 07/15/2046 DD 01/15/20	193,552	148,815
		CIGNA GROUP/THE6.125% 11/15/2041 DD 05/15/20	288,662	227,088
		CISCO SYSTEMS INC4.950% 02/26/2031 DD 02/26/24	171,658	172,557
		CISCO SYSTEMS INC5.300% 02/26/2054 DD 02/26/24	2,271,652	2,213,052
		CISCO SYSTEMS INC5.350% 02/26/2064 DD 02/26/24	228,983	220,752
		CITIBANK NA5.570% 04/30/2034 DD 04/30/24	260,000	262,964

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Corporate Obligations				
(Continued)				
	CITIGROUP INC	4.750% 05/18/2046 DD 05/18/16	\$ 1,023,894	\$ 910,324
	CITIGROUP INC	5.875% 01/30/2042 DD 01/26/12	652,620	628,887
	CITIGROUP INC	6.125% 08/25/2036 DD 08/25/06	259,598	264,009
	CITIGROUP INC	8.125% 07/15/2039 DD 07/23/09	1,031,040	734,837
	CITIGROUP INC	VAR RT 01/24/2039 DD 01/24/18	446,661	350,360
	CITIGROUP INC	VAR RT 01/29/2031 DD 01/29/20	67,709	66,351
	CITIGROUP INC	VAR RT 02/13/2030 DD 02/13/24	128,634	124,881
	CITIGROUP INC	VAR RT 03/26/2041 DD 03/26/20	2,983,067	2,560,020
	CITIGROUP INC	VAR RT 05/01/2032 DD 05/04/21	113,066	110,130
	CITIGROUP INC	VAR RT 06/11/2035 DD 06/11/24	1,870,000	1,855,003
	CITIGROUP INC	VAR RT 11/03/2042 DD 11/03/21	1,468,596	1,097,268
	CITIZENS FINANCIAL GROUP INC	VAR RT 04/25/2035 DD 04/25/24	26,876	26,425
	CITIZENS FINANCIAL GROUP INC	VAR RT 07/23/2032 DD 07/23/24	71,003	70,260
	CK HUTCHISON INTERNATIONAL	144A3.375% 09/06/2049 DD 09/06/19	598,012	427,547
	CLECO CORPORATE HOLDINGS LLC	VAR RT 05/01/2046 DD 11/01/16	239,189	175,860
	CLEVELAND ELECTRIC ILLUMINATING	5.950% 12/15/2036 DD 12/11/06	1,545,083	1,245,674
	CNH INDUSTRIAL CAPITAL LLC	4.500% 10/08/2027 DD 10/09/24	34,933	34,687
	CNH INDUSTRIAL CAPITAL LLC	5.100% 04/20/2029 DD 03/21/24	117,005	118,017
	COCA-COLA CO/THE	2.500% 06/01/2040 DD 05/01/20	3,159,642	2,288,504
	COCA-COLA CO/THE	5.200% 01/14/2055 DD 08/14/24	864,247	822,580
	COCA-COLA CO/THE	5.300% 05/13/2054 DD 05/13/24	800,331	777,839
	COCA-COLA CO/THE	5.400% 05/13/2064 DD 05/13/24	2,408,707	2,332,880
	COLUMBIA PIPELINES OPERATING	144A6.497% 08/15/2043 DD 08/08/23	89,998	93,458
	COLUMBIA PIPELINES OPERATING	144A6.544% 11/15/2053 DD 08/08/23	1,107,173	1,162,857
	COLUMBIA PIPELINES OPERATING	144A6.714% 08/15/2063 DD 08/08/23	484,390	515,705

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Corporate Obligations (Continued)				
	COMCAST CORP2.887% 11/01/2051 DD 05/01/22	\$ 2,974,325	\$ 2,048,840	
	COMCAST CORP2.937% 11/01/2056 DD 05/01/22	7,067,416	4,343,739	
	COMCAST CORP2.987% 11/01/2063 DD 05/01/22	1,322,955	758,094	
	COMCAST CORP3.200% 07/15/2036 DD 07/19/16	785,714	622,083	
	COMCAST CORP3.250% 11/01/2039 DD 11/05/19	134,935	140,319	
	COMCAST CORP3.400% 07/15/2046 DD 07/19/16	2,353,912	1,623,884	
	COMCAST CORP3.750% 04/01/2040 DD 03/27/20	385,689	269,692	
	COMCAST CORP3.900% 03/01/2038 DD 02/08/18	1,086,475	948,393	
	COMCAST CORP3.969% 11/01/2047 DD 10/19/17	546,798	368,553	
	COMCAST CORP3.999% 11/01/2049 DD 10/19/17	772,134	570,330	
	COMCAST CORP5.350% 05/15/2053 DD 05/09/23	139,397	129,849	
	COMCAST CORP5.500% 05/15/2064 DD 05/09/23	1,816,423	1,704,933	
	COMMONWEALTH EDISON CO3.650% 06/15/2046 DD 06/27/16	888,720	601,729	
	COMMONWEALTH EDISON CO3.700% 03/01/2045 DD 03/02/15	257,907	175,699	
	COMMONWEALTH EDISON CO3.850% 03/15/2052 DD 03/15/22	454,195	337,096	
	COMMONWEALTH EDISON CO5.300% 02/01/2053 DD 01/10/23	683,460	679,363	
	COMMONWEALTH EDISON CO5.650% 06/01/2054 DD 05/13/24	655,723	652,100	
	CONAGRA BRANDS INC5.300% 11/01/2038 DD 10/22/18	176,271	150,752	
	CONOCOPHILLIPS CO3.758% 03/15/2042 DD 09/15/22	915,750	729,585	
	CONOCOPHILLIPS CO3.800% 03/15/2052 DD 03/08/22	568,222	420,452	
	CONOCOPHILLIPS CO4.025% 03/15/2062 DD 09/15/22	1,414,248	1,070,750	
	CONOCOPHILLIPS CO4.300% 11/15/2044 DD 11/12/14	313,261	263,759	
	CONOCOPHILLIPS CO5.300% 05/15/2053 DD 05/23/23	1,117,991	1,041,919	
	CONOCOPHILLIPS CO5.500% 01/15/2055 DD 12/05/24	189,371	180,713	
	CONOCOPHILLIPS CO5.550% 03/15/2054 DD 08/17/23	1,698,206	1,640,279	

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Corporate Obligations (Continued)				
	CONOCOPHILLIPS CO5.650% 01/15/2065 DD 12/05/24		\$ 321,704	\$ 302,646
	CONOCOPHILLIPS CO5.700% 09/15/2063 DD 08/17/23		329,099	316,949
	CONSOLIDATED EDISON CO OF NEW3.200% 12/01/2051 DD 12/02/21		25,000	16,373
	CONSOLIDATED EDISON CO OF NEW3.700% 11/15/2059 DD 11/08/19		837,977	603,969
	CONSOLIDATED EDISON CO OF NEW3.875% 06/15/2047 DD 06/08/17		295,853	190,805
	CONSOLIDATED EDISON CO OF NEW3.950% 04/01/2050 DD 03/31/20		784,170	588,477
	CONSOLIDATED EDISON CO OF NEW4.125% 05/15/2049 DD 05/09/19		568,753	401,798
	CONSOLIDATED EDISON CO OF NEW4.450% 03/15/2044 DD 03/06/14		2,538,474	2,201,471
	CONSOLIDATED EDISON CO OF NEW4.500% 05/15/2058 DD 05/10/18		142,548	132,802
	CONSOLIDATED EDISON CO OF NEW5.500% 12/01/2039 DD 12/04/09		1,314,078	1,172,522
	CONSOLIDATED EDISON CO OF NEW5.700% 05/15/2054 DD 05/09/24		675,254	677,470
	CONSOLIDATED EDISON CO OF NEW5.850% 03/15/2036 DD 03/09/06		562,376	618,080
	CONSOLIDATED EDISON CO OF NEW5.900% 11/15/2053 DD 11/22/23		168,445	172,489
	CONSTELLATION BRANDS INC5.250% 11/15/2048 DD 10/29/18		258,795	228,573
	CONSTELLATION ENERGY GENERATIO5.750% 10/01/2041 DD 09/30/10		181,692	175,817
	CONSTELLATION ENERGY GENERATIO5.800% 03/01/2033 DD 02/24/23		171,315	172,791
	CONSTELLATION ENERGY GENERATIO6.250% 10/01/2039 DD 09/23/09		3,968,463	3,547,424
	CONSTELLATION ENERGY GENERATIO6.500% 10/01/2053 DD 09/29/23		429,828	457,253
	CONSUMERS ENERGY CO4.200% 09/01/2052 DD 08/11/22		196,625	181,553
	CONSUMERS ENERGY CO4.600% 05/30/2029 DD 01/09/24		99,768	99,067
	COREBRIDGE FINANCIAL INC4.350% 04/05/2042 DD 04/05/23		228,166	221,225
	COREBRIDGE GLOBAL FUNDING 144A4.650% 08/20/2027 DD 08/22/24		99,984	99,639
	CORNING INC5.450% 11/15/2079 DD 11/19/19		252,191	226,425
	CORP NACIONAL DEL COBRE D 144A6.440% 01/26/2036 DD 01/26/24		795,538	811,005
	COTERRA ENERGY INC5.400% 02/15/2035 DD 12/17/24		199,423	195,486

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
	COTERRA ENERGY INC	5.900% 02/15/2055 DD 12/17/24	\$ 546,453	\$ 520,377
	CREDIT AGRICOLE SA	144A5.134% 03/11/2027 DD 03/11/24	250,000	251,358
	CREDIT AGRICOLE SA	144AVAR RT 09/11/2028 DD 09/11/24	85,120	83,924
	CROWN CASTLE INC	4.000% 11/15/2049 DD 08/15/19	31,144	29,776
	CSL FINANCE PLC	144A3.850% 04/27/2027 DD 04/27/22	90,910	88,865
	CSL FINANCE PLC	144A4.750% 04/27/2052 DD 04/27/22	1,396,153	1,209,292
	CSL FINANCE PLC	144A5.106% 04/03/2034 DD 04/03/24	159,000	156,342
	CSX CORP	3.350% 09/15/2049 DD 09/12/19	410,198	288,334
	CSX CORP	3.800% 04/15/2050 DD 03/30/20	149,304	113,012
	CSX CORP	4.100% 03/15/2044 DD 10/22/12	383,111	282,790
	CSX CORP	4.500% 11/15/2052 DD 07/28/22	809,252	819,330
	CSX CORP	4.750% 05/30/2042 DD 11/01/11	1,938,456	1,747,596
	CSX CORP	4.900% 03/15/2055 DD 09/18/24	314,606	282,290
	CVS HEALTH CORP	4.125% 04/01/2040 DD 03/31/20	913,627	706,726
	CVS HEALTH CORP	4.780% 03/25/2038 DD 03/09/18	4,187,279	3,710,035
	CVS HEALTH CORP	5.050% 03/25/2048 DD 03/09/18	1,183,650	857,698
	CVS HEALTH CORP	5.125% 07/20/2045 DD 07/20/15	739,649	593,540
	CVS HEALTH CORP	5.550% 06/01/2031 DD 05/09/24	269,477	266,041
	CVS HEALTH CORP	5.875% 06/01/2053 DD 06/02/23	1,298,732	1,220,169
	DANAHER CORP	2.600% 10/01/2050 DD 10/06/20	540,234	363,505
	DANAHER CORP	2.800% 12/10/2051 DD 12/10/21	393,542	318,131
	DANSKE BANK A/S	144AVAR RT 03/01/2028 DD 03/01/24	350,000	353,035
	DANSKE BANK A/S	144AVAR RT 09/22/2026 DD 09/22/23	1,230,000	1,240,307
	DANSKE BANK A/S	144AVAR RT 10/02/2030 DD 10/02/24	760,000	737,299
	DELTA AIR LINES INC / SKY	144A4.750% 10/20/2028 DD 09/23/20	88,655	88,783
	DENTSPLY SIRONA INC	3.250% 06/01/2030 DD 05/26/20	83,803	79,529
	DEUTSCHE BANK AG/NEW YORK	NYVAR RT 01/07/2033 DD 01/07/22	24,980	25,391
	DEUTSCHE BANK AG/NEW YORK	NYVAR RT 9/11/2035 DD 09/11/24	48,675	47,433

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		DEUTSCHE BANK AG/NEW YORK NYVAR RT 11/20/2029 DD 11/20/23	\$ 1,000,000	\$ 1,046,580
		DEVON ENERGY CORP5.750% 09/15/2054 DD 08/28/24	1,827,841	1,663,781
		DIAMONDBACK ENERGY INC4.250% 03/15/2052 DD 03/17/22	148,414	128,593
		DIAMONDBACK ENERGY INC4.400% 03/24/2051 DD 03/24/21	852,170	663,471
		DIAMONDBACK ENERGY INC5.750% 04/18/2054 DD 04/18/24	1,324,040	1,245,845
		DIAMONDBACK ENERGY INC5.900% 04/18/2064 DD 04/18/24	869,169	816,947
		DIAMONDBACK ENERGY INC6.250% 03/15/2053 DD 12/13/22	340,632	339,507
		DICK'S SPORTING GOODS INC3.150% 01/15/2032 DD 01/14/22	180,480	175,328
		DISCOVER BANK3.450% 07/27/2026 DD 07/27/16	427,258	439,866
		DISCOVERY COMMUNICATIONS LLC4.900% 03/11/2026 DD 03/11/16	494,784	496,401
		DNB BANK ASA 144AVAR RT 11/05/2030 DD 11/05/24	300,000	296,637
		DOMINION ENERGY INC3.300% 04/15/2041 DD 04/05/21	1,009,111	744,451
		DOMINION ENERGY INC4.050% 09/15/2042 DD 09/13/12	935,418	751,821
		DOMINION ENERGY INC4.600% 03/15/2049 DD 03/13/19	211,848	148,480
		DOMINION ENERGY INC4.700% 12/01/2044 DD 11/25/14	1,240,418	1,057,515
		DOMINION ENERGY INC5.950% 06/15/2035 DD 06/20/05	602,494	695,198
		DOMINION ENERGY INCVAR RT 05/15/2055 DD 11/18/24	15,444	15,250
		DOMINION ENERGY SOUTH CAROLINA5.100% 06/01/2065 DD 05/22/15	315,252	228,401
		DOW CHEMICAL CO/THE4.375% 11/15/2042 DD 11/14/12	392,750	266,776
		DOW CHEMICAL CO/THE4.800% 05/15/2049 DD 11/15/19	485,133	412,541
		DR HORTON INC5.000% 10/15/2034 DD 08/14/24	197,408	193,426
		DTE ELECTRIC CO2.625% 03/01/2031 DD 04/06/20	590,492	591,601
		DTE ELECTRIC CO4.050% 05/15/2048 DD 05/07/18	581,680	400,515
		DTE ELECTRIC CO4.300% 07/01/2044 DD 07/02/14	1,061,671	885,539
		DTE ELECTRIC SECURITIZATION FU5.970% 03/01/2033 DD 11/01/23	523,695	541,119

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		DTE ENERGY CO4.950% 07/01/2027 DD 08/02/24	\$ 244,708	\$ 245,894
		DUKE ENERGY CAROLINAS LLC2.550% 04/15/2031 DD 04/01/21	486,933	493,141
		DUKE ENERGY CAROLINAS LLC3.550% 03/15/2052 DD 03/04/22	373,478	349,049
		DUKE ENERGY CAROLINAS LLC3.750% 06/01/2045 DD 03/12/15	1,881,345	1,335,920
		DUKE ENERGY CAROLINAS LLC3.950% 03/15/2048 DD 03/01/18	1,876,294	1,248,267
		DUKE ENERGY CAROLINAS LLC5.400% 01/15/2054 DD 06/15/23	318,838	307,965
		DUKE ENERGY CAROLINAS LLC6.000% 01/15/2038 DD 01/10/08	3,330,749	3,096,409
		DUKE ENERGY CORP3.300% 06/15/2041 DD 06/10/21	1,541,168	1,135,436
		DUKE ENERGY CORP3.500% 06/15/2051 DD 06/10/21	341,529	266,941
		DUKE ENERGY CORP3.750% 09/01/2046 DD 08/12/16	261,521	228,489
		DUKE ENERGY CORP4.200% 06/15/2049 DD 06/07/19	61,254	65,741
		DUKE ENERGY CORP5.000% 08/15/2052 DD 08/11/22	928,700	839,098
		DUKE ENERGY CORP5.800% 06/15/2054 DD 06/07/24	338,079	331,503
		DUKE ENERGY FLORIDA LLC6.350% 09/15/2037 DD 09/18/07	716,799	599,797
		DUKE ENERGY FLORIDA PROJECT FI2.538% 09/01/2031 DD 06/22/16	77,931	79,531
		DUKE ENERGY INDIANA LLC2.750% 04/01/2050 DD 03/12/20	1,347,413	1,019,155
		DUKE ENERGY INDIANA LLC6.450% 04/01/2039 DD 03/23/09	319,551	307,897
		DUKE ENERGY OHIO INC3.700% 06/15/2046 DD 06/23/16	1,024,572	687,112
		DUKE ENERGY OHIO INC5.650% 04/01/2053 DD 03/22/23	110,752	112,721
		DUKE ENERGY PROGRESS LLC3.600% 09/15/2047 DD 09/08/17	698,971	509,852
		DUKE ENERGY PROGRESS LLC4.150% 12/01/2044 DD 11/20/14	1,430,237	997,701
		DUKE ENERGY PROGRESS LLC6.300% 04/01/2038 DD 03/13/08	231,585	235,071
		DUPONT DE NEMOURS INC5.319% 11/15/2038 DD 11/28/18	1,938,129	1,823,014
		DUPONT DE NEMOURS INC5.419% 11/15/2048 DD 11/28/18	494,052	488,486
		DUQUESNE LIGHT HOLDINGS I 144A2.775% 01/07/2032 DD 07/07/21	600,000	499,926

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		EAST OHIO GAS CO/THE 144A3.000% 06/15/2050 DD 06/16/20	\$ 379,518	\$ 236,082
		EASTERN ENERGY GAS HOLDINGS LL5.650% 10/15/2054 DD 10/09/24	361,097	340,063
		EASTERN GAS TRANSMISSION & STO4.600% 12/15/2044 DD 06/15/22	698,429	478,334
		EASTERN GAS TRANSMISSION & STO4.800% 11/01/2043 DD 05/01/22	905,710	629,139
		ECOLAB INC2.700% 11/01/2026 DD 10/18/16	233,185	239,192
		ECOLAB INC2.700% 12/15/2051 DD 12/15/21	419,265	264,667
		EIG PEARL HOLDINGS SARL 144A4.387% 11/30/2046 DD 01/25/22	291,359	290,246
		ELEVANCE HEALTH INC2.250% 05/15/2030 DD 05/05/20	164,290	167,702
		ELEVANCE HEALTH INC4.550% 03/01/2048 DD 03/02/18	1,489,902	1,229,398
		ELEVANCE HEALTH INC4.650% 01/15/2043 DD 09/10/12	2,979,719	2,480,824
		ELEVANCE HEALTH INC4.650% 08/15/2044 DD 08/12/14	1,185,359	897,352
		ELEVANCE HEALTH INC5.650% 06/15/2054 DD 05/30/24	567,692	547,029
		ELEVANCE HEALTH INC5.850% 11/01/2064 DD 10/31/24	692,971	672,406
		ELI LILLY & CO4.950% 02/27/2063 DD 02/27/23	217,019	197,716
		ELI LILLY & CO5.000% 02/09/2054 DD 02/09/24	760,647	703,509
		ELI LILLY & CO5.050% 08/14/2054 DD 08/14/24	149,265	139,191
		ELI LILLY & CO5.100% 02/09/2064 DD 02/09/24	968,846	888,171
		EMERA US FINANCE LP4.750% 06/15/2046 DD 12/15/16	3,398,752	2,675,721
		EMERSON ELECTRIC CO2.800% 12/21/2051 DD 12/21/21	369,179	229,056
		EMORY UNIVERSITY2.143% 09/01/2030 DD 05/20/20	131,702	130,598
		EMPOWER FINANCE 2020 LP 144A1.776% 03/17/2031 DD 09/17/20	276,014	288,070
		EMPOWER FINANCE 2020 LP 144A3.075% 09/17/2051 DD 09/17/20	110,000	69,237
		ENBRIDGE ENERGY PARTNERS LP5.500% 09/15/2040 DD 09/13/10	4,577	4,792
		ENBRIDGE INC4.500% 06/10/2044 DD 06/04/14	570,931	486,833
		ENBRIDGE INC5.950% 04/05/2054 DD 04/05/24	200,075	198,336
		ENBRIDGE INC6.700% 11/15/2053 DD 11/09/23	1,228,401	1,336,727

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	ENBRIDGE INCVAR RT 01/15/2084 DD 09/25/23	\$ 780,000	\$ 815,584	
	ENEL FINANCE AMERICA LLC 144A2.875% 07/12/2041 DD 07/12/21	558,045	382,251	
	ENEL FINANCE INTERNATIONAL 144A4.750% 05/25/2047 DD 05/25/17	887,960	822,547	
	ENERGY TRANSFER LP 144A7.375% 02/01/2031 DD 01/19/23	410,434	414,101	
	ENERGY TRANSFER LP4.150% 09/15/2029 DD 09/13/19	132,225	136,267	
	ENERGY TRANSFER LP4.950% 01/15/2043 DD 01/10/13	1,488,056	1,270,624	
	ENERGY TRANSFER LP5.300% 04/01/2044 DD 04/03/14	637,952	572,071	
	ENERGY TRANSFER LP6.000% 06/15/2048 DD 06/08/18	143,185	130,577	
	ENERGY TRANSFER LP6.250% 04/15/2049 DD 01/15/19	1,973,199	1,960,285	
	ENERGY TRANSFER LP6.500% 02/01/2042 DD 01/17/12	326,487	281,914	
	ENERGY TRANSFER LP6.625% 10/15/2036 DD 10/23/06	323,998	317,995	
	ENERGY TRANSFER LP7.500% 07/01/2038 DD 03/28/08	627,820	580,834	
	ENGIE SA 144A5.875% 04/10/2054 DD 04/10/24	541,464	537,955	
	ENI SPA 144A4.250% 05/09/2029 DD 05/09/19	558,555	541,940	
	ENI SPA 144A5.700% 10/01/2040 DD 10/01/10	755,827	681,855	
	ENI SPA 144A5.950% 05/15/2054 DD 05/15/24	2,415,876	2,343,590	
	ENTERGY ARKANSAS LLC3.350% 06/15/2052 DD 03/30/21	268,321	181,076	
	ENTERGY ARKANSAS LLC3.500% 04/01/2026 DD 01/08/16	88,337	89,806	
	ENTERGY CORPVAR RT 12/01/2054 DD 05/23/24	520,000	528,741	
	ENTERGY LOUISIANA LLC2.900% 03/15/2051 DD 03/06/20	763,274	455,098	
	ENTERGY LOUISIANA LLC4.200% 04/01/2050 DD 03/12/19	423,981	337,151	
	ENTERGY LOUISIANA LLC5.150% 09/15/2034 DD 08/09/24	89,657	88,554	
	ENTERGY TEXAS INC5.800% 09/01/2053 DD 08/11/23	378,693	380,771	
	ENTERGY TEXAS RESTORATION FUND3.697% 12/15/2036 DD 04/01/22	1,419,980	1,285,753	
	ENTERPRISE PRODUCTS OPERATING4.800% 02/01/2049 DD 10/11/18	2,379,751	1,835,698	

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Corporate Obligations (Continued)				
	ENTERPRISE PRODUCTS OPERATING	4.900% 05/15/2046 DD 05/07/15	\$ 1,066,194	\$ 878,975
	ENTERPRISE PRODUCTS OPERATING	5.100% 02/15/2045 DD 02/12/14	664,917	627,327
	ENTERPRISE PRODUCTS OPERATING	5.550% 02/16/2055 DD 08/08/24	488,349	472,159
	ENTERPRISE PRODUCTS OPERATING	7.550% 04/15/2038 DD 10/15/09	403,589	413,395
	ENTERPRISE PRODUCTS OPERATING	VAR RT 08/16/2077 DD 08/16/17	752,760	703,519
	EOG RESOURCES INC	5.650% 12/01/2054 DD 11/21/24	408,111	402,050
	EQUINIX INC	2.950% 09/15/2051 DD 10/07/20	1,606,999	1,075,323
	EQUINIX INC	3.000% 07/15/2050 DD 06/22/20	847,359	776,327
	EQUINOR ASA	3.250% 11/18/2049 DD 11/18/19	26,178	17,110
	EQUINOR ASA	3.625% 04/06/2040 DD 04/06/20	3,081,139	2,514,933
	EQUINOR ASA	3.950% 05/15/2043 DD 05/15/13	1,424,673	1,016,688
	EQUINOR ASA	4.250% 11/23/2041 DD 11/23/11	531,537	381,895
	EQUITABLE LIFE ASSURANCE CONTR		4	4
	ESSENTIAL UTILITIES INC	2.400% 05/01/2031 DD 04/19/21	95,911	98,515
	ESSENTIAL UTILITIES INC	2.704% 04/15/2030 DD 04/15/20	100,016	105,177
	ESSENTIAL UTILITIES INC	4.800% 08/15/2027 DD 08/15/24	59,978	59,909
	EVERGY KANSAS CENTRAL INC	3.250% 09/01/2049 DD 08/19/19	172,219	109,613
	EVERGY METRO INC	4.200% 03/15/2048 DD 03/01/18	361,685	287,157
	EVERSOURCE ENERGY	3.450% 01/15/2050 DD 01/10/20	64,057	41,053
	EVERSOURCE ENERGY	5.950% 02/01/2029 DD 11/10/23	58,933	60,777
	EXELON CORP	4.100% 03/15/2052 DD 09/15/22	304,787	232,221
	EXELON CORP	4.450% 04/15/2046 DD 04/07/16	153,199	133,318
	EXELON CORP	4.700% 04/15/2050 DD 04/01/20	745,695	570,119
	EXELON CORP	5.100% 06/15/2045 DD 12/15/15	901,959	820,174
	EXTRA SPACE STORAGE LP	2.550% 06/01/2031 DD 05/11/21	108,466	106,323
	EXXON MOBIL CORP	3.095% 08/16/2049 DD 08/16/19	1,223,958	900,869
	EXXON MOBIL CORP	3.452% 04/15/2051 DD 04/15/20	2,934,202	2,113,201

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Corporate Obligations (Continued)				
		EXXON MOBIL CORP4.227% 03/19/2040 DD 03/19/20	\$ 2,766,726	\$ 2,363,926
		FEDEX CORP4.050% 02/15/2048 DD 01/31/18	1,428,959	1,149,345
		FEDEX CORP4.400% 01/15/2047 DD 01/06/17	589,515	405,045
		FEDEX CORP4.550% 04/01/2046 DD 03/24/16	501,305	406,143
		FIRSTENERGY TRANSMISSION 144A4.550% 01/15/2030 DD 09/05/24	259,659	253,172
		FLORIDA POWER & LIGHT CO3.700% 12/01/2047 DD 11/16/17	210,928	172,631
		FLORIDA POWER & LIGHT CO5.960% 04/01/2039 DD 03/17/09	3,007,451	2,865,684
		FORD MOTOR CO3.250% 02/12/2032 DD 11/12/21	603,122	615,510
		FORD MOTOR CREDIT CO LLC2.300% 02/10/2025 DD 01/10/22	193,918	199,332
		FORD MOTOR CREDIT CO LLC5.125% 11/05/2026 DD 09/06/24	3,737,202	3,736,896
		FORD MOTOR CREDIT CO LLC6.125% 03/08/2034 DD 03/08/24	901,352	899,778
		FORTIVE CORP4.300% 06/15/2046 DD 06/15/17	298,495	222,769
		FOUNDRY JV HOLDCO LLC 144A6.400% 01/25/2038 DD 05/07/24	279,233	283,004
		GE HEALTHCARE TECHNOLOGIES INC4.800% 08/14/2029 DD 08/14/24	199,762	198,148
		GE HEALTHCARE TECHNOLOGIES INC6.377% 11/22/2052 DD 05/22/23	110,000	118,370
		GENERAL DYNAMICS CORP4.250% 04/01/2040 DD 03/25/20	481,318	380,025
		GENERAL MILLS INC4.875% 01/30/2030 DD 11/21/24	109,495	109,305
		GENERAL MOTORS CO5.150% 04/01/2038 DD 08/07/17	211,917	211,844
		GENERAL MOTORS CO5.200% 04/01/2045 DD 11/12/14	206,494	199,746
		GENERAL MOTORS FINANCIAL CO IN5.950% 04/04/2034 DD 04/04/24	399,912	402,012
		GEORGE WASHINGTON UNIVERSITY/T4.868% 09/15/2045 DD 07/01/15	401,449	298,611
		GEORGIA POWER CO4.300% 03/15/2042 DD 03/06/12	2,687,533	2,404,414
		GEORGIA POWER CO4.300% 03/15/2043 DD 03/15/13	1,250,018	919,941
		GEORGIA POWER CO4.550% 03/15/2030 DD 12/05/24	104,753	103,285
		GILEAD SCIENCES INC2.800% 10/01/2050 DD 09/30/20	129,241	80,042
		GILEAD SCIENCES INC4.000% 09/01/2036 DD 09/20/16	751,691	667,465
		GILEAD SCIENCES INC4.150% 03/01/2047 DD 09/20/16	3,184,550	2,550,409

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		GILEAD SCIENCES INC4.500% 02/01/2045 DD 11/17/14	\$ 2,609,818	\$ 2,046,354
		GILEAD SCIENCES INC4.750% 03/01/2046 DD 09/14/15	291,533	282,221
		GILEAD SCIENCES INC4.800% 11/15/2029 DD 11/20/24	79,990	79,839
		GILEAD SCIENCES INC5.100% 06/15/2035 DD 11/20/24	1,130,449	1,117,862
		GILEAD SCIENCES INC5.550% 10/15/2053 DD 09/14/23	498,875	492,615
		GLAXOSMITHKLINE CAPITAL INC6.375% 05/15/2038 DD 05/13/08	569,111	493,179
		GLENCORE FINANCE CANADA L 144A6.900% 11/15/2037 DD 11/20/07	431,486	415,116
		GLENCORE FUNDING LLC 144A3.875% 04/27/2051 DD 04/27/21	268,005	258,538
		GLENCORE FUNDING LLC 144A5.893% 04/04/2054 DD 04/04/24	638,113	631,651
		GLOBAL ATLANTIC FIN CO 144A7.950% 06/15/2033 DD 06/15/23	86,126	83,138
		GLOBE LIFE INC2.150% 08/15/2030 DD 08/21/20	41,909	43,955
		GLOBE LIFE INC5.850% 09/15/2034 DD 08/23/24	135,572	135,791
		GOLDMAN SACHS BANK USA/NEW YORVAR RT 05/21/2027 DD 05/21/24	532,000	536,155
		GOLDMAN SACHS GROUP INC/THE2.600% 02/07/2030 DD 02/07/20	54,108	53,141
		GOLDMAN SACHS GROUP INC/THE6.250% 02/01/2041 DD 01/28/11	2,330,311	2,288,777
		GOLDMAN SACHS GROUP INC/THE6.750% 10/01/2037 DD 10/03/07	2,646,504	2,723,645
		GOLDMAN SACHS GROUP INC/THEVAR RT 02/12/2026 DD 02/12/21	592,458	645,800
		GOLDMAN SACHS GROUP INC/THEVAR RT 03/09/2027 DD 03/08/21	228,669	230,395
		GOLDMAN SACHS GROUP INC/THEVAR RT 10/21/2027 DD 10/21/21	127,788	128,081
		GOLDMAN SACHS GROUP INC/THEVAR RT 10/23/2035 DD 10/23/24	390,000	373,487
		GOLDMAN SACHS GROUP INC/THEVAR RT 10/31/2038 DD 10/31/17	8,160,248	6,779,341
		GOLDMAN SACHS GROUP INC/THEVAR RT 11/19/2045 DD 11/19/24	2,650,000	2,561,543
		GOODMAN US FINANCE FOUR L 144A4.500% 10/15/2037 DD 09/27/17	361,421	318,289
		GREAT-WEST LIFECO FINANCE 144A4.150% 06/03/2047 DD 05/26/17	638,964	509,559
		GREENSAIF PIPELINES BIDCO 144A6.103% 08/23/2042 DD 07/31/24	630,000	614,256

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
	GREENSAIF PIPELINES BIDCO 144A6.510% 02/23/2042 DD 02/23/23		\$ 356,054	\$ 349,564
	GRUPO BIMBO SAB DE CV 144A4.700% 11/10/2047 DD 11/10/17		859,924	607,367
	HCA INC4.625% 03/15/2052 DD 03/15/23		337,138	264,914
	HCA INC5.250% 06/15/2049 DD 06/12/19		1,716,413	1,317,216
	HCA INC5.375% 09/01/2026 DD 08/23/18		256,486	258,769
	HCA INC5.500% 06/15/2047 DD 06/22/17		653,238	491,848
	HCA INC6.000% 04/01/2054 DD 02/23/24		328,096	314,830
	HEALTH CARE SERVICE CORP 144A5.450% 06/15/2034 DD 06/10/24		293,100	293,994
	HEALTH CARE SERVICE CORP 144A5.875% 06/15/2054 DD 06/10/24		403,749	392,688
	HERSHEY CO/THE3.125% 11/15/2049 DD 10/31/19		209,830	139,810
	HESS CORP5.800% 04/01/2047 DD 09/28/16		451,981	440,981
	HESS CORP6.000% 01/15/2040 DD 12/14/09		249,011	276,111
	HEWLETT PACKARD ENTERPRISE CO4.550% 10/15/2029 DD 09/26/24		249,735	243,800
	HEWLETT PACKARD ENTERPRISE CO5.600% 10/15/2054 DD 09/26/24		676,394	650,725
	HOME DEPOT INC/THE2.375% 03/15/2051 DD 01/07/21		325,565	187,097
	HOME DEPOT INC/THE3.125% 12/15/2049 DD 01/13/20		376,673	236,041
	HOME DEPOT INC/THE3.300% 04/15/2040 DD 03/30/20		857,336	674,544
	HOME DEPOT INC/THE3.350% 04/15/2050 DD 03/30/20		1,393,789	951,112
	HOME DEPOT INC/THE3.625% 04/15/2052 DD 03/28/22		381,666	283,019
	HOME DEPOT INC/THE4.200% 04/01/2043 DD 04/05/13		1,846,521	1,502,325
	HOME DEPOT INC/THE4.500% 12/06/2048 DD 12/06/18		58,598	38,486
	HOME DEPOT INC/THE4.850% 06/25/2031 DD 06/25/24		306,136	307,960
	HOME DEPOT INC/THE5.300% 06/25/2054 DD 06/25/24		1,495,744	1,448,377
	HOME DEPOT INC/THE5.400% 06/25/2064 DD 06/25/24		83,550	81,606
	HOME DEPOT INC/THE5.875% 12/16/2036 DD 12/19/06		650,545	489,464
	HONEYWELL INTERNATIONAL INC4.950% 09/01/2031 DD 03/01/24		240,566	241,135
	HONEYWELL INTERNATIONAL INC5.000% 03/01/2035 DD 03/01/24		471,053	460,877
	HONEYWELL INTERNATIONAL INC5.250% 03/01/2054 DD 03/01/24		1,955,590	1,838,735
	HONEYWELL INTERNATIONAL INC5.350% 03/01/2064 DD 03/01/24		498,770	469,690

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
	HOWMET AEROSPACE INC	3.000% 01/15/2029 DD 09/01/21	\$ 339,340	\$ 348,951
	HSBC HOLDINGS PLC	6.500% 09/15/2037 DD 09/12/07	1,868,333	1,896,125
	HSBC HOLDINGS PLC	6.500% 09/15/2037 DD 09/15/22	674,960	510,595
	HSBC HOLDINGS PLC	6.800% 06/01/2038 DD 05/27/08	268,904	235,541
	HSBC HOLDINGS PLC	7.625% 05/17/2032 DD 05/17/22	957,684	816,755
	HSBC HOLDINGS PLC	VAR RT 03/09/2044 DD 03/09/23	1,560,000	1,648,218
	HSBC HOLDINGS PLC	VAR RT 05/22/2030 DD 05/22/19	76,391	75,513
	HSBC HOLDINGS PLC	VAR RT 06/19/2029 DD 06/19/18	3,000,000	2,938,890
	HSBC HOLDINGS PLC	VAR RT 11/13/2034 DD 11/13/23	873,005	923,993
	HSBC HOLDINGS PLC	VAR RT 11/18/2035 DD 11/18/24	990,000	965,715
	HSBC USA INC	5.625% 03/17/2025 DD 03/17/23	4,482,367	4,498,217
	HUMANA INC	4.950% 10/01/2044 DD 09/19/14	136,095	102,036
	HUNGARY GOVERNMENT	INTERN 144A 5.500% 03/26/2036 DD 01/10/24	205,554	196,499
	HUNTINGTON BANCSHARES INC	/OHVAR RT 01/15/2031 DD 11/18/24	300,000	300,420
	HYUNDAI CAPITAL AMERICA	144A 4.550% 09/26/2029 DD 09/26/24	199,946	194,150
	HYUNDAI CAPITAL AMERICA	144A 5.350% 03/19/2029 DD 03/19/24	267,745	269,351
	HYUNDAI CAPITAL AMERICA	144A 5.680% 06/26/2028 DD 06/26/23	5,655,743	5,640,898
	HYUNDAI CAPITAL AMERICA	144A 6.000% 07/11/2025 DD 07/11/23	1,567,410	1,580,205
	IBM INTERNATIONAL CAPITAL	PTE 5.250% 02/05/2044 DD 02/05/24	941,182	896,153
	IBM INTERNATIONAL CAPITAL	PTE 5.300% 02/05/2054 DD 02/05/24	571,751	531,340
	INGERSOLL RAND INC	5.176% 06/15/2029 DD 05/10/24	216,246	218,214
	INTEL CORP	2.800% 08/12/2041 DD 08/12/21	125,816	79,765
	INTEL CORP	3.050% 08/12/2051 DD 08/12/21	490,430	379,649
	INTEL CORP	3.100% 02/15/2060 DD 02/13/20	869,234	468,256
	INTEL CORP	3.250% 11/15/2049 DD 11/21/19	817,605	651,678
	INTEL CORP	3.734% 12/08/2047 DD 06/08/18	1,350,485	1,089,363
	INTEL CORP	4.900% 08/05/2052 DD 08/05/22	214,564	170,007
	INTEL CORP	5.900% 02/10/2063 DD 02/10/23	321,868	284,650
	INTERCONTINENTAL EXCHANGE INC	2.650% 09/15/2040 DD 08/20/20	303,742	212,826

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	INTERCONTINENTAL EXCHANGE INC3.000% 09/15/2060 DD 08/20/20	\$ 636,413	\$ 373,491	
	INTERCONTINENTAL EXCHANGE INC4.950% 06/15/2052 DD 05/23/22	624,852	566,338	
	INTERCONTINENTAL EXCHANGE INC5.200% 06/15/2062 DD 05/23/22	103,115	90,983	
	INTERNATIONAL BUSINESS MACHINE3.430% 02/09/2052 DD 02/09/22	524,900	358,722	
	INTERNATIONAL BUSINESS MACHINE4.000% 06/20/2042 DD 06/20/12	368,088	335,224	
	INTESA SANPAOLO SPA 144A6.625% 06/20/2033 DD 06/20/23	1,029,331	1,077,329	
	INTESA SANPAOLO SPA 144A7.800% 11/28/2053 DD 11/28/23	788,183	884,737	
	INTUIT INC5.500% 09/15/2053 DD 09/15/23	530,570	524,691	
	ISRAEL GOVERNMENT INTERNATIONAL4.125% 01/17/2048 DD 01/17/18	1,027,740	780,421	
	ISRAEL GOVERNMENT INTERNATIONAL5.750% 03/12/2054 DD 03/12/24	497,094	473,530	
	ITC HOLDINGS CORP 144A5.650% 05/09/2034 DD 05/09/24	65,916	66,472	
	ITC HOLDINGS CORP5.300% 07/01/2043 DD 07/03/13	1,291,129	1,198,100	
	JBS USA HOLDING LUX SARL/ JBS3.000% 02/02/2029 DD 08/02/23	389,687	400,447	
	JBS USA HOLDING LUX SARL/ JBS7.250% 11/15/2053 DD 11/15/24	236,530	253,416	
	JEFFERIES FINANCIAL GROUP INC2.625% 10/15/2031 DD 10/08/21	163,176	172,901	
	JOHN HANCOCK MUT LIFE CONT #11CAC	1	1	
	JOHNSON & JOHNSON2.100% 09/01/2040 DD 08/25/20	283,105	189,619	
	JOHNSONVILLE AERODERIVATIVE CO5.078% 10/01/2054 DD 10/02/24	795,000	763,494	
	JPMORGAN CHASE & CO5.600% 07/15/2041 DD 07/21/11	1,642,573	1,539,686	
	JPMORGAN CHASE & COVAR RT 01/23/2035 DD 01/23/24	1,666,557	1,672,306	
	JPMORGAN CHASE & COVAR RT 01/23/2049 DD 01/23/18	1,484,362	1,000,766	
	JPMORGAN CHASE & COVAR RT 02/01/2028 DD 02/01/17	352,351	362,182	
	JPMORGAN CHASE & COVAR RT 02/04/2032 DD 02/04/21	76,189	74,614	
	JPMORGAN CHASE & COVAR RT 02/24/2028 DD 02/24/22	78,674	80,816	
	JPMORGAN CHASE & COVAR RT 04/22/2027 DD 04/22/21	1,045,827	1,131,687	
	JPMORGAN CHASE & COVAR RT 04/22/2035 DD 04/22/24	670,000	685,531	
	JPMORGAN CHASE & COVAR RT 04/22/2041 DD 04/22/20	834,244	671,519	

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Corporate Obligations (Continued)				
	JPMORGAN CHASE & COVAR RT 04/26/2028 DD 04/26/22		\$ 69,462	\$ 69,156
	JPMORGAN CHASE & COVAR RT 06/01/2029 DD 06/01/21		127,355	129,977
	JPMORGAN CHASE & COVAR RT 07/22/2028 DD 07/22/24		160,000	160,536
	JPMORGAN CHASE & COVAR RT 07/22/2035 DD 07/22/24		1,145,000	1,132,783
	JPMORGAN CHASE & COVAR RT 07/24/2038 DD 07/24/17		3,520,713	2,924,471
	JPMORGAN CHASE & COVAR RT 07/24/2048 DD 07/24/17		1,830,483	1,421,154
	JPMORGAN CHASE & COVAR RT 10/15/2030 DD 09/12/19		41,000	40,535
	JPMORGAN CHASE & COVAR RT 10/22/2035 DD 10/22/24		295,000	284,179
	JPMORGAN CHASE & COVAR RT 10/23/2034 DD 10/23/23		38,226	36,997
	JPMORGAN CHASE & COVAR RT 11/29/2045 DD 11/29/24		4,072,075	3,966,458
	KAISER FOUNDATION HOSPITALS2.810% 06/01/2041 DD 06/15/21		800,000	566,744
	KAISER FOUNDATION HOSPITALS3.002% 06/01/2051 DD 06/15/21		111,907	74,798
	KAISER FOUNDATION HOSPITALS4.150% 05/01/2047 DD 05/03/17		535,260	351,086
	KANSAS GAS SERVICE SECURITIZAT5.486% 08/01/2034 DD 11/18/22		211,195	214,959
	KELLANOVA5.750% 05/16/2054 DD 05/16/24		738,527	739,312
	KENVUE INC5.050% 03/22/2053 DD 09/22/23		188,780	176,381
	KENVUE INC5.100% 03/22/2043 DD 09/22/23		244,361	235,247
	KENVUE INC5.200% 03/22/2063 DD 09/22/23		828,043	759,041
	KEYSPAN GAS EAST CORP 144A3.586% 01/18/2052 DD 01/18/22		490,000	325,693
	KINDER MORGAN ENERGY PARTNERS5.500% 03/01/2044 DD 02/24/14		621,244	560,938
	KINDER MORGAN ENERGY PARTNERS6.500% 02/01/2037 DD 01/30/07		248,214	225,817
	KINDER MORGAN ENERGY PARTNERS6.950% 01/15/2038 DD 06/21/07		536,552	477,167
	KINDER MORGAN INC5.550% 06/01/2045 DD 11/26/14		1,904,226	1,807,987
	KLA CORP3.300% 03/01/2050 DD 02/28/20		148,109	145,286
	KLA CORP4.950% 07/15/2052 DD 06/23/22		794,654	730,012
	KOREA DEVELOPMENT BANK/THE4.000% 09/08/2025 DD 09/08/22		184,700	183,757
	KOREA NATIONAL OIL CORP 144A4.875% 04/03/2027 DD 04/03/24		149,043	150,305

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Corporate Obligations (Continued)				
	KRAFT HEINZ FOODS CO4.375% 06/01/2046 DD 05/24/16	\$ 196,482	\$ 178,152	
	KRAFT HEINZ FOODS CO4.875% 10/01/2049 DD 10/01/20	278,533	256,821	
	KRAFT HEINZ FOODS CO5.200% 07/15/2045 DD 07/15/16	176,824	162,803	
	KRATON CORP 144A5.000% 07/15/2027 DD 07/15/24	4,021,448	4,064,499	
	KROGER CO/THE4.450% 02/01/2047 DD 01/24/17	207,955	197,693	
	KROGER CO/THE5.500% 09/15/2054 DD 08/27/24	234,032	221,619	
	KROGER CO/THE5.650% 09/15/2064 DD 08/27/24	1,901,501	1,799,010	
	L3HARRIS TECHNOLOGIES INC2.900% 12/15/2029 DD 11/27/19	117,136	112,944	
	LABORATORY CORP OF AMERICA HOL2.950% 12/01/2029 DD 11/25/19	109,002	108,898	
	LABORATORY CORP OF AMERICA HOL4.350% 04/01/2030 DD 09/23/24	24,983	24,124	
	LG ELECTRONICS INC 144A5.625% 04/24/2027 DD 04/24/24	69,720	70,798	
	LLOYDS BANKING GROUP PLCVAR RT 11/07/2028 DD 11/07/17	96,017	96,061	
	LOCKHEED MARTIN CORP4.070% 12/15/2042 DD 12/14/12	4,048,855	3,225,690	
	LOCKHEED MARTIN CORP4.090% 09/15/2052 DD 09/07/17	725,141	621,736	
	LOCKHEED MARTIN CORP5.200% 02/15/2055 DD 05/25/23	683,500	645,626	
	LOCKHEED MARTIN CORP5.200% 02/15/2064 DD 01/29/24	289,069	269,688	
	LOCKHEED MARTIN CORP5.900% 11/15/2063 DD 10/24/22	292,460	308,682	
	LOCKHEED MARTIN CORP6.150% 09/01/2036 DD 08/30/06	1,348,511	997,132	
	LOWE'S COS INC4.050% 05/03/2047 DD 05/03/17	2,432,424	1,881,262	
	LOWE'S COS INC4.250% 09/15/2044 DD 09/10/14	48,507	32,550	
	LOWE'S COS INC5.000% 04/15/2040 DD 03/26/20	1,065,003	1,001,167	
	LPL HOLDINGS INC 144A4.375% 05/15/2031 DD 05/18/21	70,205	69,193	
	LSEG US FIN CORP 144A4.875% 03/28/2027 DD 03/28/24	69,663	70,146	
	MARKEL GROUP INC5.000% 04/05/2046 DD 04/05/16	379,995	336,300	
	MARS INC 144A4.750% 04/20/2033 DD 04/20/23	140,777	136,040	

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Corporate Obligations (Continued)				
	MARSH & MCLENNAN COS INC2.375% 12/15/2031 DD 12/08/21	\$ 101,031	\$ 96,456	
	MARSH & MCLENNAN COS INC4.650% 03/15/2030 DD 11/08/24	209,001	207,377	
	MARSH & MCLENNAN COS INC4.750% 03/15/2039 DD 01/15/19	746,652	583,443	
	MARSH & MCLENNAN COS INC4.900% 03/15/2049 DD 01/15/19	1,393,507	1,250,366	
	MARSH & MCLENNAN COS INC5.000% 03/15/2035 DD 11/08/24	1,093,139	1,069,344	
	MARTIN MARIETTA MATERIALS INC5.150% 12/01/2034 DD 11/04/24	297,798	294,555	
	MASS GENERAL BRIGHAM INC3.342% 07/01/2060 DD 01/29/20	212,457	208,100	
	MASSACHUSETTS INSTITUTE OF TEC2.989% 07/01/2050 DD 12/20/19	400,093	269,352	
	MASSACHUSETTS MUTUAL LIFE 144A3.375% 04/15/2050 DD 04/16/20	134,444	90,262	
	MASSACHUSETTS MUTUAL LIFE 144A3.729% 10/15/2070 DD 10/11/19	625,202	429,422	
	MASSACHUSETTS MUTUAL LIFE 144A4.900% 04/01/2077 DD 03/23/17	696,129	420,644	
	MASTERCARD INC2.950% 03/15/2051 DD 03/04/21	163,437	106,775	
	MASTERCARD INC3.850% 03/26/2050 DD 03/26/20	180,949	143,371	
	MCDONALD'S CORP3.625% 09/01/2049 DD 08/12/19	609,263	440,390	
	MCDONALD'S CORP4.450% 03/01/2047 DD 03/09/17	1,962,150	1,508,159	
	MCDONALD'S CORP4.450% 09/01/2048 DD 08/15/18	214,429	146,088	
	MCDONALD'S CORP4.600% 05/26/2045 DD 05/26/15	1,052,460	876,680	
	MCDONALD'S CORP6.300% 10/15/2037 DD 10/18/07	673,206	542,678	
	MEAD JOHNSON NUTRITION CO4.600% 06/01/2044 DD 05/13/14	491,031	393,475	
	MEDTRONIC INC4.375% 03/15/2035 DD 03/15/15	695,801	659,627	
	MEMORIAL SLOAN-KETTERING CANCER2.955% 01/01/2050 DD 06/16/20	625,000	410,325	
	MERCEDES-BENZ FINANCE NOR 144A5.100% 11/15/2029 DD 11/15/24	179,867	179,545	
	MERCK & CO INC2.450% 06/24/2050 DD 06/24/20	800,689	472,648	
	MERCK & CO INC2.750% 12/10/2051 DD 12/10/21	354,134	215,535	
	MERCK & CO INC2.900% 12/10/2061 DD 12/10/21	1,017,124	586,112	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	MERCK & CO INC4.150% 05/18/2043 DD 05/20/13	\$ 253,145	\$ 247,334	
	MERCK & CO INC4.900% 05/17/2044 DD 05/17/23	611,328	568,426	
	MERCK & CO INC5.000% 05/17/2053 DD 05/17/23	488,035	446,635	
	META PLATFORMS INC4.450% 08/15/2052 DD 08/09/22	1,059,946	1,051,079	
	META PLATFORMS INC5.400% 08/15/2054 DD 08/09/24	1,648,397	1,603,745	
	META PLATFORMS INC5.550% 08/15/2064 DD 08/09/24	2,790,311	2,731,466	
	META PLATFORMS INC5.600% 05/15/2053 DD 05/03/23	1,507,112	1,517,621	
	META PLATFORMS INC5.750% 05/15/2063 DD 05/03/23	483,555	490,573	
	METLIFE INC4.050% 03/01/2045 DD 03/05/15	347,712	260,458	
	METLIFE INC4.875% 11/13/2043 DD 11/13/13	884,446	808,814	
	METLIFE INC5.000% 07/15/2052 DD 07/11/22	484,171	439,638	
	METLIFE INC6.500% 12/15/2032 DD 12/10/02	595,469	596,377	
	METLIFE INCVAR RT 12/15/2044 DD 09/15/14	437,481	357,919	
	METROPOLITAN GAC #294	1	1	
	METROPOLITAN LIFE GLOBAL 144A1.875% 01/11/2027 DD 01/11/22	103,400	109,835	
	METROPOLITAN LIFE GLOBAL 144A2.950% 04/09/2030 DD 04/09/20	213,223	216,958	
	METROPOLITAN LIFE INS GAC #304	1	1	
	MEXICO GOVERNMENT INTERNATIONAL3.500% 02/12/2034 DD 01/12/22	24,540	23,866	
	MEXICO GOVERNMENT INTERNATIONAL3.771% 05/24/2061 DD 11/24/20	2,988,000	1,691,059	
	MEXICO GOVERNMENT INTERNATIONAL4.400% 02/12/2052	1,718,204	1,164,974	
	MEXICO GOVERNMENT INTERNATIONAL4.400% 02/12/2052 DD 01/12/22	1,802,869	1,222,384	
	MEXICO GOVERNMENT INTERNATIONAL4.750% 03/08/2044 DD 03/08/12	1,369,908	1,048,606	
	MEXICO GOVERNMENT INTERNATIONAL5.000% 04/27/2051	327,759	236,397	
	MEXICO GOVERNMENT INTERNATIONAL5.000% 04/27/2051 DD 04/27/20	577,605	480,301	
	MEXICO GOVERNMENT INTERNATIONAL6.000% 05/07/2036 DD 01/08/24	400,800	376,412	
	MEXICO GOVERNMENT INTERNATIONAL6.338% 05/04/2053	1,091,015	987,695	
	MEXICO GOVERNMENT INTERNATIONAL6.338% 05/04/2053 DD 04/28/23	199,996	177,964	
	MEXICO GOVERNMENT INTERNATIONAL6.400% 05/07/2054 DD 01/08/24	1,093,866	980,562	

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Corporate Obligations (Continued)				
	MICROSOFT CORP2.500% 09/15/2050 DD 03/15/24	\$ 336,929	\$ 336,380	
	MICROSOFT CORP2.525% 06/01/2050 DD 06/01/20	3,031,189	1,851,780	
	MICROSOFT CORP2.921% 03/17/2052 DD 03/17/21	2,168,294	1,511,412	
	MICROSOFT CORP3.450% 08/08/2036 DD 08/08/16	911,459	797,898	
	MICROSOFT CORP4.100% 02/06/2037 DD 02/06/17	384,165	359,617	
	MIDAMERICAN ENERGY CO4.250% 07/15/2049 DD 01/09/19	2,541,046	1,689,022	
	MIDAMERICAN ENERGY CO4.400% 10/15/2044 DD 04/03/14	303,167	260,854	
	MIDAMERICAN ENERGY CO5.750% 11/01/2035 DD 11/01/05	1,466,140	1,268,240	
	MIZUHO FINANCIAL GROUP INCVAR RT 07/10/2030 DD 07/10/24	300,000	302,937	
	MORGAN STANLEY BANK NAVAR RT 01/14/2028 DD 01/18/24	250,000	250,338	
	MORGAN STANLEY BANK NAVAR RT 05/26/2028 DD 05/30/24	673,256	679,340	
	MORGAN STANLEY6.375% 07/24/2042 DD 07/24/12	767,757	659,886	
	MORGAN STANLEYVAR RT 01/18/2035 DD 01/18/24	550,000	546,981	
	MORGAN STANLEYVAR RT 01/19/2038 DD 01/19/23	185,748	185,505	
	MORGAN STANLEYVAR RT 01/22/2031 DD 01/22/20	67,748	66,644	
	MORGAN STANLEYVAR RT 02/07/2039 DD 02/07/24	75,000	75,352	
	MORGAN STANLEYVAR RT 04/19/2035 DD 04/19/24	904,912	918,783	
	MORGAN STANLEYVAR RT 04/20/2028 DD 04/20/22	332,857	345,918	
	MORGAN STANLEYVAR RT 04/28/2026 DD 04/28/20	753,392	774,026	
	MORGAN STANLEYVAR RT 04/28/2032 DD 01/25/21	16,785	16,362	
	MORGAN STANLEYVAR RT 07/22/2038 DD 07/24/17	4,889,609	3,905,264	
	MORGAN STANLEYVAR RT 09/16/2036 DD 09/16/21	106,285	105,756	
	MORGAN STANLEYVAR RT 10/18/2033 DD 10/18/22	528,390	529,065	
	MORGAN STANLEYVAR RT 11/19/2055 DD 11/20/24	770,000	743,697	
	MOTOROLA SOLUTIONS INC2.300% 11/15/2030 DD 08/14/20	245,005	257,879	
	MPLX LP4.500% 04/15/2038 DD 02/08/18	487,138	429,817	
	MPLX LP4.950% 03/14/2052 DD 03/14/22	844,855	753,474	

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Corporate Obligations (Continued)				
		MPLX LP5.200% 12/01/2047 DD 12/01/19	\$ 156,108	\$ 132,755
		MYMICHIGAN HEALTH3.409% 06/01/2050 DD 10/28/20	410,000	285,643
		NARRAGANSETT ELECTRIC CO/ 144A5.638% 03/15/2040 DD 03/22/10	564,000	553,910
		NASDAQ INC5.950% 08/15/2053 DD 06/28/23	675,413	681,676
		NASDAQ INC6.100% 06/28/2063 DD 06/28/23	749,374	764,348
		NATIONAL BANK OF CANADA4.500% 10/10/2029 DD 10/10/24	187,207	184,861
		NATIONAL BANK OF CANADAVAR RT 07/02/2027 DD 07/03/24	29,981	30,333
		NATIONAL RURAL UTILITIES COOPE4.300% 03/15/2049 DD 01/31/19	382,261	254,948
		NATIONAL SECURITIES CLEAR 144A4.900% 06/26/2029 DD 06/26/24	194,649	195,252
		NATIONWIDE MUTUAL INSURAN 144A9.375% 08/15/2039 DD 08/10/09	1,706,963	1,261,824
		NATWEST GROUP PLCVAR RT 03/02/2027 DD 03/02/23	950,000	959,557
		NATWEST GROUP PLCVAR RT 05/08/2030 DD 05/08/19	48,794	48,221
		NATWEST GROUP PLCVAR RT 05/18/2029 DD 05/18/18	543,877	562,417
		NATWEST GROUP PLCVAR RT 11/10/2026 DD 11/10/22	912,000	930,933
		NBCUNIVERSAL MEDIA LLC4.450% 01/15/2043 DD 10/05/12	699,626	599,329
		NESTLE CAPITAL CORP 144A5.100% 03/12/2054 DD 03/12/24	1,365,616	1,292,129
		NESTLE HOLDINGS INC 144A3.900% 09/24/2038 DD 09/24/18	1,266,317	1,103,066
		NETFLIX INC 144A4.875% 06/15/2030 DD 10/25/19	284,707	292,653
		NETFLIX INC4.900% 08/15/2034 DD 08/01/24	149,421	147,105
		NETFLIX INC5.400% 08/15/2054 DD 08/01/24	608,719	596,470
		NEW YORK AND PRESBYTERIAN HOSP4.024% 08/01/2045 DD 02/05/15	646,597	534,193
		NEW YORK LIFE INSURANCE C 144A3.750% 05/15/2050 DD 04/14/20	443,275	324,750
		NEW YORK LIFE INSURANCE C 144A6.750% 11/15/2039 DD 10/08/09	1,978,750	1,702,392
		NEWMONT CORP / NEWCREST FINANC4.200% 05/13/2050 DD 05/13/24	850,827	662,478
		NEXTERA ENERGY CAPITAL HOLDING5.250% 02/28/2053 DD 02/09/23	559,726	514,763
		NEXTERA ENERGY CAPITAL HOLDING5.749% 09/01/2025 DD 08/10/23	1,339,732	1,348,214
		NEXTERA ENERGY CAPITAL HOLDING6.051% 03/01/2025 DD 03/01/23	3,018,600	3,005,310

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Corporate Obligations (Continued)				
	NIAGARA MOHAWK POWER CORP 144A5.664% 01/17/2054 DD 01/17/24		\$ 250,000	\$ 242,503
	NIKE INC3.250% 03/27/2040 DD 03/27/20		239,013	192,980
	NISOURCE INC5.000% 06/15/2052 DD 06/10/22		463,205	412,153
	NNN REIT INC3.500% 04/15/2051 DD 03/10/21		205,096	141,522
	NORFOLK SOUTHERN CORP3.050% 05/15/2050 DD 05/11/20		1,959,478	1,363,093
	NORFOLK SOUTHERN CORP3.155% 05/15/2055 DD 05/15/20		971,118	773,259
	NORFOLK SOUTHERN CORP3.400% 11/01/2049 DD 11/04/19		44,590	31,147
	NORFOLK SOUTHERN CORP4.050% 08/15/2052 DD 02/15/18		136,672	134,495
	NORFOLK SOUTHERN CORP4.150% 02/28/2048 DD 02/28/18		1,992,993	1,543,092
	NORFOLK SOUTHERN CORP4.550% 06/01/2053 DD 06/13/22		164,975	138,435
	NORFOLK SOUTHERN CORP5.350% 08/01/2054 DD 08/02/23		223,595	219,289
	NORINCHUKIN BANK/THE 144A5.094% 10/16/2029 DD 10/16/24		1,140,000	1,134,916
	NORTHERN NATURAL GAS CO 144A4.100% 09/15/2042 DD 08/27/12		967,330	847,703
	NORTHERN NATURAL GAS CO 144A4.300% 01/15/2049 DD 07/17/18		281,141	276,241
	NORTHERN STAR RESOURCES L 144A6.125% 04/11/2033 DD 04/11/23		75,236	77,812
	NORTHERN STATES POWER CO/MN2.600% 06/01/2051 DD 06/15/20		470,966	286,901
	NORTHERN STATES POWER CO/MN3.600% 09/15/2047 DD 09/13/17		119,276	81,366
	NORTHROP GRUMMAN CORP3.200% 02/01/2027 DD 12/01/16		336,780	341,989
	NORTHROP GRUMMAN CORP4.030% 10/15/2047 DD 10/13/17		745,157	514,594
	NORTHROP GRUMMAN CORP4.750% 06/01/2043 DD 05/31/13		2,499,467	2,058,546
	NORTHROP GRUMMAN CORP5.200% 06/01/2054 DD 01/31/24		2,853,941	2,664,937
	NORTHWELL HEALTHCARE INC6.150% 11/01/2043 DD 09/17/13		976,891	808,354
	NORTHWESTERN MUTUAL LIFE 144A3.450% 03/30/2051 DD 03/22/21		727,460	501,802
	NORTHWESTERN MUTUAL LIFE 144A3.625% 09/30/2059 DD 09/20/19		1,876,621	1,245,417
	NORTHWESTERN MUTUAL LIFE 144A3.850% 09/30/2047 DD 09/26/17		900,079	676,753
	NORTHWESTERN UNIVERSITY2.640% 12/01/2050 DD 05/28/20		982,740	631,411

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Corporate Obligations (Continued)				
	NOVARTIS CAPITAL CORP2.750% 08/14/2050 DD 02/14/20	\$ 229,623	\$ 149,310	
	NOVARTIS CAPITAL CORP4.200% 09/18/2034 DD 09/18/24	99,282	93,086	
	NOVARTIS CAPITAL CORP4.700% 09/18/2054 DD 09/18/24	719,539	636,494	
	NSTAR ELECTRIC CO4.400% 03/01/2044 DD 03/07/14	859,023	730,934	
	NSTAR ELECTRIC CO4.950% 09/15/2052 DD 09/15/22	221,609	201,935	
	NUTRIEN LTD4.125% 03/15/2035 DD 03/15/18	572,230	528,649	
	NVIDIA CORP3.500% 04/01/2040 DD 03/31/20	169,660	140,685	
	NVIDIA CORP3.500% 04/01/2050 DD 03/31/20	703,250	543,281	
	OCCIDENTAL PETROLEUM CORP6.050% 10/01/2054 DD 07/26/24	1,237,113	1,176,500	
	OCCIDENTAL PETROLEUM CORP6.625% 09/01/2030 DD 08/26/20	346,457	345,352	
	OGLETHORPE POWER CORP 144A5.800% 06/01/2054 DD 06/21/24	159,578	157,179	
	OGLETHORPE POWER CORP4.500% 04/01/2047 DD 04/01/23	443,024	364,985	
	OGLETHORPE POWER CORP5.050% 10/01/2048 DD 04/01/19	632,318	489,216	
	OGLETHORPE POWER CORP6.200% 12/01/2053 DD 12/05/23	275,878	288,803	
	OHIOHEALTH CORP2.297% 11/15/2031 DD 10/26/21	126,000	105,625	
	OKLAHOMA GAS AND ELECTRIC CO3.250% 04/01/2030 DD 04/01/20	71,683	74,265	
	ONCOR ELECTRIC DELIVERY C 144A4.650% 11/01/2029 DD 11/13/24	139,733	138,643	
	ONCOR ELECTRIC DELIVERY CO LLC2.700% 11/15/2051 DD 11/16/21	164,263	103,345	
	ONCOR ELECTRIC DELIVERY CO LLC3.750% 04/01/2045 DD 10/01/15	903,291	607,613	
	ONEOK INC4.450% 09/01/2049 DD 08/15/19	118,084	121,040	
	ONEOK INC5.700% 11/01/2054 DD 09/24/24	1,550,630	1,463,861	
	ONEOK INC5.850% 11/01/2064 DD 09/24/24	588,218	554,335	
	ONEOK INC6.625% 09/01/2053 DD 08/24/23	105,401	99,999	
	ONEOK INC7.150% 01/15/2051 DD 05/07/20	119,004	135,876	
	ONEOK PARTNERS LP6.125% 02/01/2041 DD 01/26/11	46,884	44,852	
	ONEOK PARTNERS LP6.850% 10/15/2037 DD 09/28/07	824,372	807,998	

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Corporate Obligations (Continued)				
	ORACLE CORP3.600% 04/01/2040 DD 04/01/20	\$ 2,898,019	\$ 2,197,853	
	ORACLE CORP3.600% 04/01/2050 DD 04/01/20	1,495,920	1,000,641	
	ORACLE CORP3.650% 03/25/2041 DD 03/24/21	662,261	663,485	
	ORACLE CORP3.800% 11/15/2037 DD 11/09/17	1,895,149	1,433,105	
	ORACLE CORP3.850% 04/01/2060 DD 04/01/20	547,883	378,560	
	ORACLE CORP3.850% 07/15/2036 DD 07/07/16	2,371,034	1,947,984	
	ORACLE CORP4.000% 11/15/2047 DD 11/09/17	2,414,052	1,678,380	
	ORACLE CORP4.100% 03/25/2061 DD 03/24/21	980,246	752,567	
	ORACLE CORP4.125% 05/15/2045 DD 05/05/15	3,495,755	2,775,198	
	ORACLE CORP5.375% 09/27/2054 DD 09/27/24	363,974	336,380	
	O'REILLY AUTOMOTIVE INC5.000% 08/19/2034 DD 08/19/24	209,542	203,866	
	O'REILLY AUTOMOTIVE INC5.750% 11/20/2026 DD 11/20/23	197,909	201,417	
	OTIS WORLDWIDE CORP3.112% 02/15/2040 DD 08/15/20	545,836	415,523	
	OTIS WORLDWIDE CORP3.362% 02/15/2050 DD 08/15/20	221,512	151,635	
	OVINTIV INC5.650% 05/15/2025 DD 05/31/23	1,749,895	1,754,095	
	OWENS CORNING5.950% 06/15/2054 DD 05/31/24	301,722	286,999	
	PACIFIC GAS AND ELECTRIC CO3.450% 07/01/2025 DD 07/02/20	582,300	605,242	
	PACIFIC GAS AND ELECTRIC CO3.500% 08/01/2050 DD 06/19/20	1,421,808	1,060,442	
	PACIFIC GAS AND ELECTRIC CO3.950% 12/01/2047 DD 11/29/17	512,636	385,127	
	PACIFIC GAS AND ELECTRIC CO4.200% 06/01/2041 DD 03/11/21	603,233	493,620	
	PACIFIC GAS AND ELECTRIC CO4.450% 04/15/2042 DD 04/16/12	3,801	4,149	
	PACIFIC GAS AND ELECTRIC CO4.500% 07/01/2040 DD 07/02/20	597,070	609,183	
	PACIFIC GAS AND ELECTRIC CO4.750% 02/15/2044 DD 02/21/14	15,679	17,090	
	PACIFIC GAS AND ELECTRIC CO4.950% 07/01/2050 DD 07/02/20	2,368,796	2,013,486	
	PACIFIC GAS AND ELECTRIC CO5.250% 03/01/2052 DD 02/18/22	499,413	458,490	
	PACIFIC GAS AND ELECTRIC CO6.700% 04/01/2053 DD 03/30/23	90,802	100,790	

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Corporate Obligations (Continued)				
	PACIFIC GAS AND ELECTRIC CO6.750%			
	01/15/2053 DD 01/06/23	\$ 693,463	\$ 770,535	
	PACIFIC LIFE INSURANCE CO 144AVAR RT			
	10/24/2067 DD 10/24/17	596,499	469,373	
	PACIFIC LIFECORP 144A5.400% 09/15/2052			
	DD 09/15/22	319,526	300,570	
	PACIFICORP2.700% 09/15/2030 DD 04/08/20	56,173	58,306	
	PANAMA GOVERNMENT INTERNATIONAL4.300%			
	04/29/2053 DD 04/29/13	1,002,414	593,369	
	PANAMA GOVERNMENT INTERNATIONAL4.500%			
	04/01/2056 DD 04/01/20	798,531	452,706	
	PANAMA GOVERNMENT INTERNATIONAL6.853%			
	03/28/2054 DD 03/28/23	555,000	472,943	
	PANAMA GOVERNMENT INTERNATIONAL6.875%			
	01/31/2036 DD 10/04/23	712,451	670,363	
	PARAMOUNT GLOBAL4.375% 03/15/2043 DD			
	03/15/13	390,451	312,599	
	PARAMOUNT GLOBAL4.850% 07/01/2042 DD			
	06/20/12	235,942	189,226	
	PARAMOUNT GLOBAL4.900% 08/15/2044 DD			
	08/19/14	275,885	181,850	
	PARAMOUNT GLOBAL4.950% 01/15/2031 DD			
	04/01/20	255,752	252,091	
	PARAMOUNT GLOBAL5.250% 04/01/2044 DD			
	03/11/14	305,828	291,683	
	PARAMOUNT GLOBAL5.850% 09/01/2043 DD			
	08/19/13	373,549	387,900	
	PARKER-HANNIFIN CORP4.000% 06/14/2049			
	DD 06/14/19	423,567	336,187	
	PARKER-HANNIFIN CORP4.200% 11/21/2034			
	DD 11/21/14	469,497	435,140	
	PARKER-HANNIFIN CORP4.450% 11/21/2044			
	DD 11/21/14	238,754	227,238	
	PEACEHEALTH OBLIGATED GROUP1.375%			
	11/15/2025 DD 10/08/20	61,479	64,922	
	PECO ENERGY CO3.000% 09/15/2049 DD			
	09/10/19	964,570	636,802	
	PECO ENERGY CO3.700% 09/15/2047 DD			
	09/18/17	419,633	281,261	
	PECO ENERGY CO5.250% 09/15/2054 DD			
	09/10/24	523,735	497,569	
	PEPSICO INC3.625% 03/19/2050 DD 03/19/20	552,081	413,830	
	PEPSICO INC5.250% 07/17/2054 DD 07/17/24	693,228	673,413	
	PERUVIAN GOVERNMENT INTERNATIONAL2.780%			
	12/01/2060 DD 12/01/20	694,291	367,850	
	PERUVIAN GOVERNMENT INTERNATIONAL5.375%			
	02/08/2035	180,450	172,832	
	PERUVIAN GOVERNMENT INTERNATIONAL5.375%			
	02/08/2035 DD 08/08/24	99,929	96,018	
	PERUVIAN GOVERNMENT INTERNATIONAL5.875%			
	08/08/2054	1,039,273	986,189	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		PETROLEOS MEXICANOS6.950% 01/28/2060 DD 07/28/20	\$ 1,050,223	\$ 712,087
		PETROLEOS MEXICANOS7.690% 01/23/2050 DD 07/23/20	1,028,041	735,638
		PFIZER INC3.900% 03/15/2039 DD 03/11/19	360,831	274,401
		PFIZER INC4.000% 12/15/2036 DD 11/21/16	790,224	615,321
		PFIZER INVESTMENT ENTERPRISES5.110% 05/19/2043 DD 05/19/23	739,900	709,760
		PFIZER INVESTMENT ENTERPRISES5.300% 05/19/2053 DD 05/19/23	2,282,403	2,147,562
		PFIZER INVESTMENT ENTERPRISES5.340% 05/19/2063 DD 05/19/23	1,856,061	1,792,908
		PG&E ENERGY RECOVERY FUNDING L2.822% 07/15/2048 DD 11/12/21	609,972	428,122
		PG&E WILDFIRE RECOVERY FUNDING3.594% 06/01/2032 DD 05/10/22	437,968	433,343
		PG&E WILDFIRE RECOVERY FUNDING4.674% 12/01/2053 DD 05/10/22	1,839,937	1,636,018
		PG&E WILDFIRE RECOVERY FUNDING5.099% 06/01/2054 DD 07/20/22	1,179,889	1,115,855
		PHARMACIA LLCVAR RT 12/01/2028 DD 12/01/99	112,667	111,619
		PHILIP MORRIS INTERNATIONAL IN3.875% 08/21/2042 DD 08/21/12	604,702	502,717
		PHILIP MORRIS INTERNATIONAL IN4.375% 11/01/2027 DD 11/01/24	129,042	128,886
		PHILIP MORRIS INTERNATIONAL IN4.375% 11/15/2041 DD 11/15/11	962,287	740,962
		PHILIP MORRIS INTERNATIONAL IN4.875% 11/15/2043 DD 11/12/13	562,876	480,492
		PHILIP MORRIS INTERNATIONAL IN4.900% 11/01/2034 DD 11/01/24	454,231	446,949
		PHILIP MORRIS INTERNATIONAL IN6.375% 05/16/2038 DD 05/16/08	815,450	681,036
		PHILIPPINE GOVERNMENT INTERNAT4.200% 03/29/2047 DD 03/29/22	502,000	404,155
		PHILLIPS 66 CO4.900% 10/01/2046 DD 04/01/23	590,674	509,594
		PHILLIPS 663.300% 03/15/2052 DD 11/15/21	1,643,685	1,177,527
		PHILLIPS 664.650% 11/15/2034 DD 11/17/14	1,427,178	1,347,477
		PIEDMONT HEALTHCARE INC2.864% 01/01/2052 DD 09/15/21	535,000	330,293
		PINNACLE WEST CAPITAL CORP1.300% 06/15/2025 DD 06/17/20	238,925	242,853
		POLAR TANKERS INC 144A5.951% 05/10/2037 DD 05/10/07	107,353	107,958
		PPL CAPITAL FUNDING INC5.250% 09/01/2034 DD 08/09/24	288,509	285,621
		PPL ELECTRIC UTILITIES CORP3.000% 10/01/2049 DD 09/06/19	447,388	269,608

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	PPL ELECTRIC UTILITIES CORP4.125% 06/15/2044 DD 06/05/14	\$ 549,945	\$ 457,793	
	PPL ELECTRIC UTILITIES CORP4.850% 02/15/2034 DD 01/05/24	135,731	132,529	
	PRECISION CASTPARTS CORP4.375% 06/15/2045 DD 06/10/15	688,706	589,416	
	PROLOGIS LP5.250% 03/15/2054 DD 01/25/24	782,491	742,689	
	PROLOGIS LP5.250% 06/15/2053 DD 03/30/23	698,796	654,269	
	PUBLIC SERVICE CO OF COLORADO3.600% 09/15/2042 DD 09/11/12	281,039	198,916	
	PUBLIC SERVICE CO OF COLORADO4.300% 03/15/2044 DD 03/10/14	1,350,000	1,114,230	
	PUBLIC SERVICE CO OF COLORADO4.500% 06/01/2052 DD 05/17/22	502,072	434,669	
	PUBLIC SERVICE CO OF COLORADO5.250% 04/01/2053 DD 04/03/23	139,017	130,144	
	PUBLIC SERVICE CO OF NEW HAMPS3.600% 07/01/2049 DD 06/28/19	231,166	192,936	
	PUBLIC SERVICE ELECTRIC AND GA2.700% 05/01/2050 DD 05/08/20	1,040,736	638,568	
	PUBLIC SERVICE ELECTRIC AND GA4.050% 05/01/2048 DD 05/04/18	1,436,055	1,150,032	
	PUBLIC SERVICE ELECTRIC AND GA5.200% 08/01/2033 DD 08/07/23	211,724	212,142	
	PUBLIC SERVICE ELECTRIC AND GA5.300% 08/01/2054 DD 08/05/24	507,649	486,260	
	PUGET SOUND ENERGY INC3.250% 09/15/2049 DD 08/30/19	317,504	210,776	
	PUGET SOUND ENERGY INC4.300% 05/20/2045 DD 05/26/15	342,485	208,572	
	QUALCOMM INC4.300% 05/20/2047 DD 05/26/17	161,296	115,017	
	QUALCOMM INC4.500% 05/20/2052 DD 05/09/22	1,426,907	1,225,962	
	QUALCOMM INC4.800% 05/20/2045 DD 05/20/15	87,934	62,416	
	QUALCOMM INC6.000% 05/20/2053 DD 11/09/22	145,126	141,233	
	QUANTA SERVICES INC2.900% 10/01/2030 DD 09/22/20	443,500	397,456	
	QUANTA SERVICES INC3.050% 10/01/2041 DD 09/23/21	974,904	689,440	
	QUANTA SERVICES INC4.750% 08/09/2027 DD 08/09/24	1,976,396	1,977,129	
	REALTY INCOME CORP2.700% 02/15/2032 DD 08/15/23	114,092	115,469	
	REALTY INCOME CORP5.375% 09/01/2054 DD 08/26/24	314,797	304,250	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations				
(Continued)				
	REGENERON PHARMACEUTICALS INC	2.800% 09/15/2050 DD 08/12/20	\$ 409,417	\$ 366,098
	REGIONS FINANCIAL CORP	7.375% 12/10/2037 DD 12/10/07	462,274	425,509
	REGIONS FINANCIAL CORP	VAR RT 09/06/2035 DD 09/06/24	129,728	126,820
	REPUBLIC OF POLAND GOVERNMENT	5.500% 03/18/2054 DD 03/18/24	1,254,292	1,169,663
	REYNOLDS AMERICAN INC	5.700% 08/15/2035 DD 06/12/15	1,090,022	1,036,244
	REYNOLDS AMERICAN INC	5.850% 08/15/2045 DD 06/12/15	2,030,813	1,697,426
	RGA GLOBAL FUNDING 144A	5.050% 12/06/2031 DD 12/06/24	79,809	78,674
	RIO TINTO FINANCE USA PLC	4.125% 08/21/2042 DD 08/21/12	642,687	452,266
	RIO TINTO FINANCE USA PLC	5.125% 03/09/2053 DD 03/09/23	2,097,603	1,973,956
	ROCHE HOLDINGS INC 144A	2.607% 12/13/2051 DD 12/13/21	324,910	292,050
	ROCHE HOLDINGS INC 144A	5.218% 03/08/2054 DD 03/08/24	741,298	684,069
	ROCHE HOLDINGS INC 144A	5.593% 11/13/2033 DD 11/13/23	250,000	258,463
	ROGERS COMMUNICATIONS INC	4.500% 03/15/2042 DD 03/15/23	371,239	316,920
	ROGERS COMMUNICATIONS INC	4.550% 03/15/2052 DD 03/15/23	570,615	492,713
	ROPER TECHNOLOGIES INC	2.950% 09/15/2029 DD 08/26/19	45,644	46,589
	ROPER TECHNOLOGIES INC	4.500% 10/15/2029 DD 08/21/24	204,078	201,261
	ROYAL BANK OF CANADA	VAR RT 08/02/2030 DD 07/23/24	169,228	168,679
	ROYALTY PHARMA PLC	1.200% 09/02/2025 DD 03/02/21	686,948	739,247
	ROYALTY PHARMA PLC	3.300% 09/02/2040 DD 03/02/21	186,785	155,570
	ROYALTY PHARMA PLC	3.350% 09/02/2051 DD 07/26/21	1,257,715	861,482
	ROYALTY PHARMA PLC	3.550% 09/02/2050 DD 03/02/21	963,530	656,887
	ROYALTY PHARMA PLC	5.150% 09/02/2029 DD 06/10/24	195,345	194,485
	RTX CORP	2.375% 03/15/2032 DD 11/16/21	58,180	63,925
	RTX CORP	2.820% 09/01/2051 DD 08/10/21	1,286,303	899,204
	RTX CORP	3.500% 03/15/2027 DD 09/15/20	180,875	184,341
	RTX CORP	4.050% 05/04/2047 DD 05/04/17	615,508	424,499

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations				
(Continued)				
	RTX CORP4.200% 12/15/2044 DD 06/15/20	\$ 976,069	\$ 626,171	
	RTX CORP4.450% 11/16/2038 DD 08/16/18	1,090,606	884,769	
	RTX CORP4.800% 12/15/2043 DD 06/15/20	719,755	479,579	
	RTX CORP5.375% 02/27/2053 DD 02/27/23	2,260,968	2,154,106	
	RTX CORP6.400% 03/15/2054 DD 11/08/23	328,763	359,495	
	RWE FINANCE US LLC 144A6.250% 04/16/2054 DD 04/16/24	599,112	593,298	
	SALESFORCE INC2.900% 07/15/2051 DD 07/12/21	483,647	310,526	
	SAN DIEGO GAS & ELECTRIC CO2.950% 08/15/2051 DD 08/13/21	1,093,568	792,145	
	SAN DIEGO GAS & ELECTRIC CO3.700% 03/15/2052 DD 03/11/22	348,339	256,605	
	SAN DIEGO GAS & ELECTRIC CO4.100% 06/15/2049 DD 05/31/19	459,517	360,838	
	SAN DIEGO GAS & ELECTRIC CO5.550% 04/15/2054 DD 03/22/24	1,049,230	1,028,931	
	SANTANDER HOLDINGS USA INCVAR RT 05/31/2035 DD 05/31/24	97,918	99,619	
	SAUDI ARABIAN OIL CO 144A5.750% 07/17/2054 DD 07/17/24	536,047	514,377	
	SAUDI ARABIAN OIL CO 144A5.875% 07/17/2064 DD 07/17/24	400,960	373,032	
	SEMPRA3.800% 02/01/2038 DD 01/12/18	1,291,597	1,069,143	
	SES GLOBAL AMERICAS HOLDI 144A5.300% 03/25/2044 DD 03/25/14	718,296	560,629	
	SHELL FINANCE US INC3.750% 09/12/2046 DD 09/12/24	132,040	120,338	
	SHELL FINANCE US INC4.000% 05/10/2046 DD 05/10/24	103,686	94,082	
	SHELL FINANCE US INC4.375% 05/11/2045 DD 05/11/24	3,574,433	3,252,134	
	SHELL INTERNATIONAL FINANCE BV2.875% 11/26/2041 DD 11/26/21	556,649	413,899	
	SHELL INTERNATIONAL FINANCE BV3.000% 11/26/2051 DD 11/26/21	606,365	383,588	
	SHELL INTERNATIONAL FINANCE BV5.500% 03/25/2040 DD 03/25/10	1,144,636	848,309	
	SHELL INTERNATIONAL FINANCE BV6.375% 12/15/2038 DD 12/11/08	1,364,925	1,221,578	
	SHERWIN-WILLIAMS CO/THE4.500% 06/01/2047 DD 05/16/17	485,205	379,747	
	SIMON PROPERTY GROUP LP3.250% 09/13/2049 DD 09/13/19	688,076	470,967	
	SMBC AVIATION CAPITAL FIN 144A5.300% 04/03/2029 DD 04/03/24	205,776	200,614	
	SMURFIT KAPPA TREASURY UL 144A5.438% 04/03/2034 DD 04/03/24	300,367	299,796	

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Corporate Obligations (Continued)				
	SOCIETE GENERALE SA 144A5.250% 02/19/2027 DD 11/19/24	\$ 1,689,932	\$ 1,691,099	
	SOLVAY FINANCE AMERICA LL 144A5.850% 06/04/2034 DD 06/04/24	126,838	126,929	
	SOLVENTUM CORP 144A5.400% 03/01/2029 DD 02/27/24	351,797	349,883	
	SONOCO PRODUCTS CO4.450% 09/01/2026 DD 09/19/24	559,597	555,985	
	SONOCO PRODUCTS CO4.600% 09/01/2029 DD 09/19/24	99,941	97,363	
	SOUTH BOW USA INFRASTRUCT 144A4.911% 09/01/2027 DD 08/28/24	200,000	199,312	
	SOUTHERN CALIFORNIA EDISON CO3.450% 02/01/2052 DD 01/13/22	354,193	267,557	
	SOUTHERN CALIFORNIA EDISON CO3.600% 02/01/2045 DD 01/16/15	1,969,710	1,434,358	
	SOUTHERN CALIFORNIA EDISON CO3.650% 02/01/2050 DD 01/09/20	850,794	577,352	
	SOUTHERN CALIFORNIA EDISON CO3.900% 03/15/2043 DD 03/07/13	21,128	15,782	
	SOUTHERN CALIFORNIA EDISON CO4.000% 04/01/2047 DD 03/24/17	858,823	691,873	
	SOUTHERN CALIFORNIA EDISON CO4.125% 03/01/2048 DD 03/05/18	653,697	522,964	
	SOUTHERN CALIFORNIA EDISON CO4.400% 09/06/2026 DD 09/06/24	74,943	74,699	
	SOUTHERN CALIFORNIA EDISON CO4.500% 09/01/2040 DD 08/30/10	1,119,188	966,853	
	SOUTHERN CALIFORNIA EDISON CO4.875% 03/01/2049 DD 03/15/19	293,734	280,048	
	SOUTHERN CALIFORNIA EDISON CO5.350% 03/01/2026 DD 03/01/24	122,000	122,799	
	SOUTHERN CALIFORNIA EDISON CO5.350% 07/15/2035 DD 06/27/05	222,499	239,225	
	SOUTHERN CALIFORNIA EDISON CO5.450% 06/01/2052 DD 05/23/22	203,737	192,876	
	SOUTHERN CALIFORNIA EDISON CO5.550% 01/15/2037 DD 12/11/06	577,946	536,382	
	SOUTHERN CALIFORNIA EDISON CO5.625% 02/01/2036 DD 01/31/06	393,935	408,992	
	SOUTHERN CALIFORNIA EDISON CO5.875% 12/01/2053 DD 05/22/23	355,382	349,147	
	SOUTHERN CALIFORNIA EDISON CO5.950% 02/01/2038 DD 01/22/08	724,507	615,610	
	SOUTHERN CALIFORNIA EDISON CO6.050% 03/15/2039 DD 03/20/09	279,285	258,663	
	SOUTHERN CALIFORNIA GAS CO2.950% 04/15/2027 DD 03/14/22	126,356	131,794	
	SOUTHERN CALIFORNIA GAS CO3.950% 02/15/2050 DD 06/04/19	105,476	102,699	

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Corporate Obligations (Continued)				
	SOUTHERN CALIFORNIA GAS CO4.125% 06/01/2048 DD 05/15/18	\$ 419,811	\$ 279,513	
	SOUTHERN CALIFORNIA GAS CO4.300% 01/15/2049 DD 09/24/18	558,748	454,053	
	SOUTHERN CALIFORNIA GAS CO5.600% 04/01/2054 DD 03/18/24	320,393	318,620	
	SOUTHERN CALIFORNIA GAS CO6.350% 11/15/2052 DD 11/14/22	209,217	226,139	
	SOUTHERN CO GAS CAPITAL CORP3.150% 09/30/2051 DD 09/10/21	578,834	393,352	
	SOUTHERN CO GAS CAPITAL CORP3.950% 10/01/2046 DD 09/13/16	182,676	141,746	
	SOUTHERN CO GAS CAPITAL CORP4.400% 05/30/2047 DD 05/09/17	944,570	632,909	
	SOUTHERN CO/THE4.250% 07/01/2036 DD 05/24/16	202,145	182,450	
	SOUTHERN CO/THE4.400% 07/01/2046 DD 05/24/16	922,996	670,429	
	SOUTHERN POWER CO5.150% 09/15/2041 DD 09/22/11	1,140,901	882,791	
	SOUTHWESTERN PUBLIC SERVICE CO3.150% 05/01/2050 DD 05/18/20	258,953	168,675	
	SOUTHWESTERN PUBLIC SERVICE CO3.400% 08/15/2046 DD 08/12/16	866,064	596,363	
	SOUTHWESTERN PUBLIC SERVICE CO3.750% 06/15/2049 DD 06/18/19	148,109	109,124	
	SOUTHWESTERN PUBLIC SERVICE CO4.400% 11/15/2048 DD 11/05/18	814,711	665,381	
	SPECTRA ENERGY PARTNERS LP4.500% 03/15/2045 DD 03/12/15	54,593	56,790	
	SPIRE INC5.300% 03/01/2026 DD 02/12/24	189,981	190,903	
	SPRINT CAPITAL CORP8.750% 03/15/2032 DD 03/14/02	1,190,554	1,184,733	
	SPRINT SPECTRUM CO LLC / 144A4.738% 09/20/2029 DD 03/21/18	196,939	197,075	
	STANFORD HEALTH CARE3.310% 08/15/2030 DD 04/01/20	2,161,000	1,989,179	
	STARBUCKS CORP3.500% 11/15/2050 DD 05/07/20	1,692,686	1,242,840	
	STARBUCKS CORP4.450% 08/15/2049 DD 05/13/19	683,794	561,501	
	STEEL DYNAMICS INC3.250% 10/15/2050 DD 10/09/20	457,582	312,431	
	STRYKER CORP4.100% 04/01/2043 DD 03/25/13	305,600	254,346	
	STRYKER CORP4.375% 05/15/2044 DD 05/01/14	751,610	636,382	
	SUMITOMO MITSUI FINANCIAL GROU2.750% 01/15/2030 DD 01/15/20	162,179	160,672	
	SUNCOR ENERGY INC3.750% 03/04/2051 DD 03/04/21	120,803	112,336	

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Corporate Obligations				
(Continued)				
	SUNCOR ENERGY INC	4.000% 11/15/2047 DD 11/15/17	\$ 741,742	\$ 504,982
	SUNCOR ENERGY INC	6.800% 05/15/2038 DD 05/15/08	156,340	128,852
	SUNCOR ENERGY INC	7.150% 02/01/2032 DD 01/29/02	384,697	382,592
	SUTTER HEALTH	3.161% 08/15/2040 DD 10/29/20	450,000	337,122
	SUTTER HEALTH	3.361% 08/15/2050 DD 10/29/20	191,081	140,096
	SUTTER HEALTH	5.164% 08/15/2033 DD 06/08/23	147,000	145,933
	SYNCHRONY BANK	5.625% 08/23/2027 DD 08/23/22	48,595	50,338
	SYNCHRONY FINANCIAL	2.875% 10/28/2031 DD 10/28/21	79,729	78,822
	SYNCHRONY FINANCIAL	5.150% 03/19/2029 DD 03/19/19	24,714	24,629
	TAKEDA PHARMACEUTICAL CO LTD	3.025% 07/09/2040 DD 07/09/20	557,601	400,461
	TAKEDA PHARMACEUTICAL CO LTD	5.650% 07/05/2044 DD 07/05/24	657,103	648,886
	TAKEDA PHARMACEUTICAL CO LTD	5.650% 07/05/2054 DD 07/05/24	353,474	342,948
	TAKE-TWO INTERACTIVE SOFTWARE	5.600% 06/12/2034 DD 06/12/24	516,560	503,845
	TAPESTRY INC	5.100% 03/11/2030 DD 12/11/24	199,752	197,722
	TAPESTRY INC	5.500% 03/11/2035 DD 12/11/24	364,504	354,911
	TARGA RESOURCES CORP	4.950% 04/15/2052 DD 04/06/22	580,200	502,513
	TARGA RESOURCES CORP	6.250% 07/01/2052 DD 07/07/22	192,346	194,869
	TEACHERS INSURANCE & ANNU 144A	4.270% 05/15/2047 DD 05/08/17	1,048,634	843,020
	TEACHERS INSURANCE & ANNU 144A	6.850% 12/16/2039 DD 12/16/09	81,896	90,976
	TELEFONICA EMISIONES SA	5.213% 03/08/2047 DD 03/08/17	721,534	629,626
	TEXAS HEALTH RESOURCES	3.372% 11/15/2051 DD 09/18/19	1,540,922	1,086,501
	TEXAS HEALTH RESOURCES	4.330% 11/15/2055 DD 05/05/15	568,907	461,561
	TEXAS INSTRUMENTS INC	5.000% 03/14/2053 DD 03/14/23	1,141,118	1,050,515
	TEXAS INSTRUMENTS INC	5.050% 05/18/2063 DD 05/18/23	2,600,664	2,374,075
	TEXAS INSTRUMENTS INC	5.150% 02/08/2054 DD 02/08/24	629,920	595,713

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Corporate Obligations (Continued)				
	THE CAMPBELL'S COMPANY	5.200% 03/21/2029 DD 03/21/24	\$ 123,979	\$ 125,140
	TIME WARNER CABLE LLC	4.500% 09/15/2042 DD 08/10/12	832,218	670,907
	TIME WARNER CABLE LLC	5.500% 09/01/2041 DD 09/12/11	426,315	351,133
	TIME WARNER CABLE LLC	6.550% 05/01/2037 DD 04/09/07	1,145,738	1,150,159
	TIME WARNER CABLE LLC	6.750% 06/15/2039 DD 06/29/09	772,563	612,975
	TIME WARNER CABLE LLC	7.300% 07/01/2038 DD 06/19/08	482,978	425,783
	T-MOBILE USA INC	3.000% 02/15/2041 DD 02/15/21	1,984,297	1,617,504
	T-MOBILE USA INC	3.300% 02/15/2051 DD 02/15/21	434,100	287,383
	T-MOBILE USA INC	3.400% 10/15/2052 DD 04/15/22	2,772,406	2,005,620
	T-MOBILE USA INC	3.600% 11/15/2060 DD 05/15/21	494,601	324,517
	T-MOBILE USA INC	3.750% 04/15/2027 DD 04/15/21	294,654	293,058
	T-MOBILE USA INC	4.375% 04/15/2040 DD 04/15/21	1,882,182	1,675,952
	T-MOBILE USA INC	4.500% 04/15/2050 DD 04/15/21	100,571	82,929
	T-MOBILE USA INC	5.250% 06/15/2055 DD 09/26/24	1,137,503	1,036,955
	T-MOBILE USA INC	5.500% 01/15/2055 DD 01/12/24	954,007	899,696
	T-MOBILE USA INC	5.650% 01/15/2053 DD 09/15/22	882,655	858,485
	TORONTO-DOMINION BANK/THE	0.750% 01/06/2026 DD 01/06/21	62,032	62,528
	TORONTO-DOMINION BANK/THE	5.103% 01/09/2026 DD 01/10/23	55,262	55,255
	TOTALENERGIES CAPITAL INTERNAT	2.986% 06/29/2041 DD 06/29/20	133,424	104,206
	TOTALENERGIES CAPITAL INTERNAT	3.127% 05/29/2050 DD 05/29/20	3,750,312	2,685,458
	TOTALENERGIES CAPITAL INTERNAT	3.386% 06/29/2060 DD 06/29/20	401,045	285,045
	TOTALENERGIES CAPITAL INTERNAT	3.461% 07/12/2049 DD 07/10/19	230,000	161,886
	TOTALENERGIES CAPITAL SA	5.150% 04/05/2034 DD 04/05/24	136,000	135,442
	TOTALENERGIES CAPITAL SA	5.275% 09/10/2054 DD 09/10/24	470,410	444,490
	TOTALENERGIES CAPITAL SA	5.425% 09/10/2064 DD 09/10/24	682,512	635,080

American Electric Power System Retirement Plan

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	TOTALENERGIES CAPITAL SA5.488% 04/05/2054 DD 04/05/24	\$ 1,017,895	\$ 974,481	
	TOTALENERGIES CAPITAL SA5.638% 04/05/2064 DD 04/05/24	1,335,000	1,279,050	
	TOYOTA MOTOR CREDIT CORP4.350% 10/08/2027 DD 10/10/24	59,977	59,573	
	TOYOTA MOTOR CREDIT CORP5.550% 11/20/2030 DD 11/20/23	91,675	91,698	
	TRANE TECHNOLOGIES FINANCING L4.500% 03/21/2049 DD 03/21/19	843,160	618,322	
	TRANSCANADA PIPELINES LTD6.200% 10/15/2037 DD 10/05/07	2,629,673	2,180,396	
	TRANSCANADA PIPELINES LTD7.250% 08/15/2038 DD 08/11/08	556,581	550,461	
	TRANSCANADA TRUSTVAR RT 03/15/2077 DD 03/02/17	598,500	547,052	
	TRANSCONTINENTAL GAS PIPE LINE7.850% 02/01/2026 DD 08/01/16	204,450	199,881	
	TRITON CONTAINER INTERNAT 144A3.150% 06/15/2031 DD 06/07/21	42,187	41,601	
	TRUIST FINANCIAL CORPVAR RT 01/26/2034 DD 01/26/23	340,000	330,446	
	TRUIST FINANCIAL CORPVAR RT 06/08/2034 DD 06/08/23	920,000	936,882	
	TRUSTEES OF BOSTON COLLEGE3.129% 07/01/2052 DD 10/24/19	366,000	248,324	
	TSMC ARIZONA CORP3.125% 10/25/2041 DD 10/25/21	578,553	447,800	
	TYSON FOODS INC5.100% 09/28/2048 DD 09/28/18	194,384	195,490	
	UBER TECHNOLOGIES INC4.300% 01/15/2030 DD 09/09/24	79,974	77,393	
	UBER TECHNOLOGIES INC5.350% 09/15/2054 DD 09/09/24	249,515	232,478	
	UBS AG/STAMFORD CT7.500% 02/15/2028 DD 01/09/23	249,428	267,718	
	UBS GROUP AG 144AVAR RT 02/02/2027 DD 02/02/21	106,741	115,312	
	UBS GROUP AG 144AVAR RT 07/15/2026 DD 08/12/22	250,805	251,785	
	UBS GROUP AG 144AVAR RT 08/10/2027 DD 08/10/21	417,190	435,211	
	UBS GROUP AG 144AVAR RT 09/22/2034 DD 09/22/23	646,297	659,087	
	UBS GROUP AG 144AVAR RT 12/22/2027 DD 09/22/23	2,860,000	2,935,046	
	UNICREDIT SPA 144AVAR RT 06/03/2032 DD 06/03/21	1,230,000	1,068,021	
	UNION ELECTRIC CO4.000% 04/01/2048 DD 04/06/18	1,467,618	1,146,182	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations				
(Continued)				
	UNION ELECTRIC CO5.250% 01/15/2054 DD 01/09/24	\$ 615,455	\$ 578,962	
	UNION ELECTRIC CO5.450% 03/15/2053 DD 03/13/23	758,434	728,635	
	UNION PACIFIC CORP3.250% 02/05/2050 DD 01/31/20	854,782	618,785	
	UNION PACIFIC CORP3.500% 02/14/2053 DD 02/14/22	608,621	430,508	
	UNION PACIFIC CORP3.799% 04/06/2071 DD 04/06/21	2,233,065	1,424,097	
	UNION PACIFIC CORP3.839% 03/20/2060 DD 03/20/20	453,232	307,454	
	UNION PACIFIC CORP4.100% 09/15/2067 DD 09/19/17	288,833	269,034	
	UNITED AIRLINES 2024-1 CLASS A5.450% 08/15/2038 DD 08/05/24	860,000	861,247	
	UNITED PARCEL SERVICE INC3.750% 11/15/2047 DD 11/14/17	379,046	287,842	
	UNITED PARCEL SERVICE INC5.050% 03/03/2053 DD 02/27/23	999,754	922,811	
	UNITED PARCEL SERVICE INC5.200% 04/01/2040 DD 03/24/20	427,932	419,216	
	UNITED PARCEL SERVICE INC5.600% 05/22/2064 DD 05/22/24	606,047	592,395	
	UNITEDHEALTH GROUP INC2.750% 05/15/2040 DD 05/18/20	2,572,653	2,129,786	
	UNITEDHEALTH GROUP INC3.050% 05/15/2041 DD 05/19/21	1,700,304	1,251,690	
	UNITEDHEALTH GROUP INC3.500% 08/15/2039 DD 07/25/19	1,792,922	1,337,128	
	UNITEDHEALTH GROUP INC3.700% 08/15/2049 DD 07/25/19	828,441	597,395	
	UNITEDHEALTH GROUP INC3.875% 08/15/2059 DD 07/25/19	507,453	362,911	
	UNITEDHEALTH GROUP INC4.200% 01/15/2047 DD 12/20/16	724,547	590,461	
	UNITEDHEALTH GROUP INC4.250% 06/15/2048 DD 06/19/18	971,635	670,906	
	UNITEDHEALTH GROUP INC4.375% 03/15/2042 DD 03/08/12	220,631	188,422	
	UNITEDHEALTH GROUP INC4.750% 05/15/2052 DD 05/20/22	123,875	107,286	
	UNITEDHEALTH GROUP INC4.950% 05/15/2062 DD 05/20/22	227,746	198,538	
	UNITEDHEALTH GROUP INC5.050% 04/15/2053 DD 03/28/23	1,092,564	992,123	
	UNITEDHEALTH GROUP INC5.375% 04/15/2054 DD 03/21/24	912,383	859,212	
	UNITEDHEALTH GROUP INC5.500% 04/15/2064 DD 03/21/24	1,187,251	1,113,804	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	UNITEDHEALTH GROUP INC5.625% 07/15/2054 DD 07/25/24	\$ 2,117,289	\$ 2,061,742	
	UNITEDHEALTH GROUP INC5.750% 07/15/2064 DD 07/25/24	267,439	248,666	
	UNITEDHEALTH GROUP INC6.050% 02/15/2063 DD 10/28/22	647,271	669,718	
	UNITEDHEALTH GROUP INC6.500% 06/15/2037 DD 12/15/07	589,286	509,875	
	UNITEDHEALTH GROUP INC6.875% 02/15/2038 DD 02/07/08	306,181	285,979	
	UNUM GROUP4.500% 12/15/2049 DD 09/11/19	430,838	389,217	
	UPMC5.035% 05/15/2033 DD 04/12/23	215,000	211,283	
	URUGUAY GOVERNMENT INTERNATION5.100% 06/18/2050 DD 06/18/14	2,072,836	1,756,058	
	US BANCORPVAR RT 02/01/2034 DD 02/01/23	1,715,000	1,642,044	
	US BANK NA/CINCINNATI OHVAR RT 10/22/2027 DD 10/22/24	114,473	114,358	
	VALE OVERSEAS LTD6.400% 06/28/2054 DD 06/28/24	435,642	431,647	
	VERALTO CORP5.350% 09/18/2028 DD 03/18/24	281,681	285,545	
	VERIZON COMMUNICATIONS INC2.650% 11/20/2040 DD 11/20/20	3,361,491	3,077,097	
	VERIZON COMMUNICATIONS INC2.875% 11/20/2050 DD 11/20/20	925,899	594,418	
	VERIZON COMMUNICATIONS INC2.987% 10/30/2056 DD 04/30/21	1,966,882	1,437,042	
	VERIZON COMMUNICATIONS INC3.700% 03/22/2061 DD 03/22/21	1,332,247	893,135	
	VERIZON COMMUNICATIONS INC3.850% 11/01/2042 DD 11/07/12	881,430	815,280	
	VERIZON COMMUNICATIONS INC4.125% 03/16/2027 DD 03/16/17	298,176	296,586	
	VERIZON COMMUNICATIONS INC4.500% 08/10/2033 DD 08/10/17	1,186,644	1,121,730	
	VERIZON COMMUNICATIONS INC4.812% 03/15/2039 DD 02/03/17	4,582,634	3,521,588	
	VIATRIS INC2.300% 06/22/2027 DD 06/22/21	40,819	37,517	
	VIRGINIA ELECTRIC AND POWER CO2.950% 11/15/2051 DD 11/22/21	638,520	427,214	
	VIRGINIA ELECTRIC AND POWER CO4.450% 02/15/2044 DD 02/07/14	1,046,633	735,700	
	VIRGINIA ELECTRIC AND POWER CO4.625% 05/15/2052 DD 05/31/22	369,799	316,061	
	VIRGINIA ELECTRIC AND POWER CO5.050% 08/15/2034 DD 08/12/24	324,266	317,181	
	VIRGINIA ELECTRIC AND POWER CO5.450% 04/01/2053 DD 03/30/23	233,418	223,983	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations				
(Continued)				
	VIRGINIA ELECTRIC AND POWER CO5.550% 08/15/2054 DD 08/12/24	\$ 393,282	\$ 382,403	
	VIRGINIA POWER FUEL SECURITIZA4.877% 05/01/2033 DD 02/14/24	239,992	239,806	
	VISA INC4.150% 12/14/2035 DD 12/14/15	708,554	646,926	
	VISA INC4.300% 12/14/2045 DD 12/14/15	1,831,392	1,430,155	
	VISTRA OPERATIONS CO LLC 144A5.125% 05/13/2025 DD 05/13/22	320,384	320,644	
	VITERRA FINANCE BV 144A4.900% 04/21/2027 DD 04/21/22	98,398	99,066	
	VITERRA FINANCE BV 144A5.250% 04/21/2032 DD 04/21/22	148,854	156,176	
	VMWARE LLC1.400% 08/15/2026 DD 08/02/21	18,091	18,946	
	VODAFONE GROUP PLC5.750% 06/28/2054 DD 06/28/24	3,424,821	3,325,872	
	W R BERKLEY CORP3.550% 03/30/2052 DD 03/16/21	851,477	589,198	
	WACHOVIA CORP5.500% 08/01/2035 DD 08/01/05	1,129,875	1,032,659	
	WALMART INC2.650% 09/22/2051 DD 09/22/21	515,818	340,731	
	WALMART INC4.050% 06/29/2048 DD 06/27/18	228,852	222,116	
	WALMART INC4.500% 04/15/2053 DD 04/18/23	2,289,550	2,148,371	
	WALT DISNEY CO/THE3.500% 05/13/2040 DD 05/13/20	682,888	662,104	
	WALT DISNEY CO/THE3.600% 01/13/2051 DD 05/13/20	1,700,377	1,244,955	
	WALT DISNEY CO/THE4.625% 03/23/2040 DD 03/23/20	345,548	281,942	
	WALT DISNEY CO/THE4.750% 11/15/2046 DD 11/15/19	628,140	484,647	
	WARNERMEDIA HOLDINGS INC5.141% 03/15/2052 DD 03/15/23	3,703,903	3,243,716	
	WARNERMEDIA HOLDINGS INC5.391% 03/15/2062 DD 03/15/23	1,010,183	812,196	
	WASTE MANAGEMENT INC2.950% 06/01/2041 DD 05/12/21	1,024,726	748,388	
	WASTE MANAGEMENT INC4.950% 03/15/2035 DD 11/04/24	198,988	195,046	
	WASTE MANAGEMENT INC5.350% 10/15/2054 DD 11/04/24	819,664	788,938	
	WELLS FARGO & CO4.400% 06/14/2046 DD 06/14/16	327,874	277,349	
	WELLS FARGO & CO4.650% 11/04/2044 DD 11/04/14	2,478,000	1,764,861	
	WELLS FARGO & CO4.900% 11/17/2045 DD 11/17/15	1,616,294	1,256,430	

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
		WELLS FARGO & CO5.606% 01/15/2044 DD 11/26/13	\$ 494,139	\$ 413,748
		WELLS FARGO & COVAR RT 01/23/2035 DD 01/23/24	289,874	289,174
		WELLS FARGO & COVAR RT 04/04/2051 DD 03/30/20	1,513,178	1,417,827
		WELLS FARGO & COVAR RT 04/25/2026 DD 04/25/22	518,388	533,363
		WELLS FARGO & COVAR RT 04/25/2053 DD 04/25/22	1,016,015	929,525
		WELLS FARGO & COVAR RT 04/30/2026 DD 04/30/20	183,008	188,284
		WELLS FARGO & COVAR RT 05/22/2028 DD 05/22/17	153,219	158,937
		WELLS FARGO & COVAR RT 06/02/2028 DD 06/02/20	213,917	211,912
		WELLS FARGO & COVAR RT 07/25/2034 DD 07/25/23	2,025,000	2,021,882
		WELLS FARGO & COVAR RT 08/15/2026 DD 08/15/22	827,669	835,326
		WELLS FARGO & COVAR RT 10/23/2034 DD 10/23/23	1,486,310	1,556,577
		WELLS FARGO & COVAR RT 12/03/2035 DD 12/03/24	545,000	530,389
		WELLS FARGO BANK NA5.850% 02/01/2037 DD 01/29/07	2,362,344	2,214,255
		WELLS FARGO BANK NA6.600% 01/15/2038 DD 12/07/07	2,094,776	2,067,274
		WELLTOWER OP LLC4.950% 09/01/2048 DD 08/16/18	206,129	186,172
		WELLTOWER OP LLC6.500% 03/15/2041 DD 03/14/11	709,565	605,795
		WEST VIRGINIA UNITED HEALTH SY3.129% 06/01/2050 DD 12/10/20	120,000	76,340
		WESTERN & SOUTHERN LIFE I 144A3.750% 04/28/2061 DD 04/28/21	134,361	90,218
		WESTERN MIDSTREAM OPERATING LPVAR RT 02/01/2050 DD 01/13/20	1,277,538	1,092,498
		WESTPAC BANKING CORPVAR RT 11/20/2035 DD 11/20/24	60,000	58,984
		WHISTLER PIPELINE LLC 144A5.950% 09/30/2034 DD 08/05/24	738,202	742,279
		WILLIAMS COS INC/THE3.500% 11/15/2030 DD 05/14/20	165,862	160,855
		WILLIAMS COS INC/THE4.900% 01/15/2045 DD 06/27/14	396,619	320,828
		WILLIAMS COS INC/THE6.300% 04/15/2040 DD 02/09/10	376,607	321,007
		WYETH LLC5.950% 04/01/2037 DD 03/27/07	4,482,728	3,997,504
Total Corporate Obligations			996,891,498	857,020,891

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	U.S. Government Obligations			
*		AMERICAN ELECTRIC POWER PROPVAR RT 12/31/2049 DD 07/24/08	\$ 21,341,436	\$ 21,341,436
		FEDERAL FARM CR BK CONS BD1.230% 07/29/2030 DD 07/29/20	264,461	258,416
		FEDERAL FARM CR BK CONS BD2.740% 12/15/2036 DD 12/15/21	1,267,993	1,234,203
		FEDERAL HOME LN BK CONS BD1.930% 02/11/2036 DD 02/11/21	5,600,438	5,488,050
		FEDERAL HOME LN BK CONS BD2.090% 02/22/2036 DD 02/22/21	3,190,084	3,172,077
		FEDERAL NATL MTG ASSN1.875% 09/24/2026 DD 09/27/16	271,892	251,785
		ISRAEL ST AID5.500% 09/18/2033 DD 09/18/03	1,802,839	1,774,485
		PRIVATE EXPORT FUNDING CORP1.400% 07/15/2028 DD 06/28/21	266,341	240,180
		PRIVATE EXPORT FUNDING CORP3.650% 03/15/2030 DD 09/17/24	124,815	119,793
		PRIVATE EXPORT FUNDING CORP3.900% 10/15/2027 DD 05/03/23	145,766	143,668
		PRIVATE EXPORT FUNDING CORP4.600% 02/15/2034 DD 01/30/24	63,802	62,788
		RESOLUTION FDG CORP PRIN STRIP0.000% 01/15/2030 DD 01/30/91	44,215	43,537
		U S TREASURY BD CPN STRIP0.000% 02/15/2040 DD 02/16/10	6,306,661	5,079,910
		U S TREASURY BD CPN STRIP0.000% 02/15/2041 DD 02/15/11	1,296,190	1,297,756
		U S TREASURY BD CPN STRIP0.000% 05/15/2039 DD 05/15/09	3,969,728	3,648,542
		U S TREASURY BD CPN STRIP0.000% 11/15/2040 DD 11/15/10	4,864,295	4,863,861
		U S TREASURY BD PRIN STRIP0.000% 02/15/2043 DD 02/15/13	7,243,932	8,263,326
		U S TREASURY BD PRIN STRIP0.000% 05/15/2048 DD 05/15/18	2,937,873	2,728,446
		U S TREASURY BD PRIN STRIP0.000% 11/15/2044 DD 11/17/14	151,375	154,689
		U S TREASURY BD PRIN STRIP0.000% 11/15/2048 DD 11/15/18	8,194,329	7,809,683
		U S TREASURY BOND1.125% 08/15/2040 DD 08/15/20	11,096,713	7,883,253
		U S TREASURY BOND1.625% 11/15/2050 DD 11/15/20	9,823,870	5,743,568
		U S TREASURY BOND1.750% 08/15/2041 DD 08/15/21	34,145,320	32,146,947
		U S TREASURY BOND1.875% 02/15/2041 DD 02/15/21	3,498,070	2,447,653
		U S TREASURY BOND1.875% 02/15/2051 DD 02/15/21	4,680,728	4,025,120

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U.S. Government Obligations				
(Continued)				
	U S TREASURY BOND1.875% 11/15/2051 DD 11/15/21	\$ 7,257,859	\$ 4,467,609	
	U S TREASURY BOND2.000% 08/15/2051 DD 08/15/21	6,161,593	3,623,672	
	U S TREASURY BOND2.000% 11/15/2041 DD 11/15/21	82,413,234	60,309,114	
	U S TREASURY BOND2.250% 02/15/2052 DD 02/15/22	9,295,053	6,966,190	
	U S TREASURY BOND2.250% 08/15/2046 DD 08/15/16	75,212,504	63,010,754	
	U S TREASURY BOND2.375% 02/15/2042 DD 02/15/22	5,444,997	4,596,915	
	U S TREASURY BOND2.375% 05/15/2051 DD 05/15/21	16,095,426	9,341,714	
	U S TREASURY BOND2.500% 02/15/2045 DD 02/15/15	14,526,271	11,861,149	
	U S TREASURY BOND2.500% 02/15/2046 DD 02/15/16	77,626,353	49,429,140	
	U S TREASURY BOND2.750% 08/15/2047 DD 08/15/17	3,731,810	2,376,250	
	U S TREASURY BOND2.875% 05/15/2043 DD 05/15/13	43,931,567	29,550,930	
	U S TREASURY BOND2.875% 05/15/2049 DD 05/15/19	51,040,107	33,832,931	
	U S TREASURY BOND2.875% 05/15/2052 DD 05/15/22	64,995,998	54,352,172	
	U S TREASURY BOND2.875% 08/15/2045 DD 08/15/15	6,781,423	6,797,340	
	U S TREASURY BOND3.000% 02/15/2047 DD 02/15/17	1,230,684	1,038,730	
	U S TREASURY BOND3.000% 02/15/2048 DD 02/15/18	10,702,430	5,781,066	
	U S TREASURY BOND3.000% 02/15/2049 DD 02/15/19	40,720,503	26,474,334	
	U S TREASURY BOND3.000% 05/15/2045 DD 05/15/15	10,207,663	7,141,947	
	U S TREASURY BOND3.000% 05/15/2047 DD 05/15/17	32,221,752	24,008,298	
	U S TREASURY BOND3.000% 08/15/2048 DD 08/15/18	19,055,971	17,294,189	
	U S TREASURY BOND3.000% 08/15/2052 DD 08/15/22	13,697,529	11,905,431	
	U S TREASURY BOND3.000% 11/15/2044 DD 11/15/14	5,668,498	3,259,585	
	U S TREASURY BOND3.125% 02/15/2042 DD 02/15/12	4,815,688	4,642,265	
	U S TREASURY BOND3.125% 02/15/2043 DD 02/15/13	13,937,444	13,681,186	
	U S TREASURY BOND3.125% 08/15/2044 DD 08/15/14	17,748,987	15,026,509	

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
U.S. Government Obligations				
(Continued)				
	U S TREASURY BOND3.375% 08/15/2042 DD 08/15/22	\$ 9,113,493	\$ 8,251,304	
	U S TREASURY BOND3.375% 11/15/2048 DD 11/15/18	43,998,972	40,773,480	
	U S TREASURY BOND3.625% 02/15/2053 DD 02/15/23	3,174,670	2,645,078	
	U S TREASURY BOND3.625% 05/15/2053 DD 05/15/23	4,746,734	4,238,432	
	U S TREASURY BOND3.625% 08/15/2043 DD 08/15/13	36,126,078	26,839,517	
	U S TREASURY BOND3.750% 11/15/2043 DD 11/15/13	40,333,678	27,355,942	
	U S TREASURY BOND3.875% 05/15/2043 DD 05/15/23	2,662,095	2,616,748	
	U S TREASURY BOND4.000% 11/15/2052 DD 11/15/22	19,034,722	15,522,487	
	U S TREASURY BOND4.125% 08/15/2053 DD 08/15/23	7,794,618	7,350,424	
	U S TREASURY BOND4.250% 02/15/2054 DD 02/15/24	8,833,566	8,434,651	
	U S TREASURY BOND4.250% 08/15/2054 DD 08/15/24	9,664,621	9,235,310	
	U S TREASURY BOND4.250% 11/15/2040 DD 11/15/10	2,189,420	1,618,210	
	U S TREASURY BOND4.500% 11/15/2054 DD 11/15/24	6,532,999	6,418,675	
	U S TREASURY BOND4.625% 02/15/2040 DD 02/15/10	10,197,274	7,538,234	
	U S TREASURY BOND4.625% 05/15/2054 DD 05/15/24	12,767,686	11,713,425	
	U S TREASURY BOND4.750% 11/15/2053 DD 11/15/23	1,058,190	1,020,668	
	U S TREASURY NOTE0.500% 05/31/2027 DD 05/31/20	301,847	301,706	
	U S TREASURY NOTE0.500% 10/31/2027 DD 10/31/20	663,935	674,100	
	U S TREASURY NOTE0.875% 09/30/2026 DD 09/30/21	706,306	707,723	
	U S TREASURY NOTE1.125% 10/31/2026 DD 10/31/21	2,305,467	2,300,787	
	U S TREASURY NOTE1.375% 11/15/2031 DD 11/15/21	314,762	310,502	
	U S TREASURY NOTE1.750% 01/31/2029 DD 01/31/22	3,816,271	3,765,954	
	U S TREASURY NOTE1.875% 02/15/2032 DD 02/15/22	2,980,836	2,826,298	
	U S TREASURY NOTE2.625% 02/15/2029 DD 02/15/19	1,466,295	1,464,660	
	U S TREASURY NOTE2.750% 05/31/2029 DD 05/31/22	6,011,376	5,961,288	
	U S TREASURY NOTE2.750% 07/31/2027 DD 07/31/22	1,613,036	1,606,715	

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U.S. Government Obligations				
(Continued)				
		U S TREASURY NOTE2.875% 05/15/2028 DD 05/15/18	\$ 362,920	\$ 363,885
		U S TREASURY NOTE2.875% 05/15/2032 DD 05/15/22	555,508	543,344
		U S TREASURY NOTE2.875% 08/15/2028 DD 08/15/18	997,990	1,006,296
		U S TREASURY NOTE3.375% 05/15/2033 DD 05/15/23	950,632	943,875
		U S TREASURY NOTE3.500% 02/15/2033 DD 02/15/23	4,030,844	3,978,270
		U S TREASURY NOTE3.500% 04/30/2030 DD 04/30/23	668,336	669,788
		U S TREASURY NOTE3.500% 09/30/2026 DD 09/30/24	5,273,869	5,232,902
		U S TREASURY NOTE3.625% 05/31/2028 DD 05/31/23	1,460,872	1,432,726
		U S TREASURY NOTE3.625% 09/30/2031 DD 09/30/24	1,638,746	1,639,095
		U S TREASURY NOTE3.750% 08/15/2027 DD 08/15/24	797,873	799,624
		U S TREASURY NOTE3.750% 08/31/2026 DD 08/31/24	362,057	362,091
		U S TREASURY NOTE3.750% 08/31/2031 DD 08/31/24	1,105,677	1,087,341
		U S TREASURY NOTE3.750% 12/31/2028 DD 12/31/23	850,300	850,355
		U S TREASURY NOTE3.875% 08/15/2033 DD 08/15/23	989,739	973,732
		U S TREASURY NOTE3.875% 08/15/2034 DD 08/15/24	1,403,914	1,361,923
		U S TREASURY NOTE4.000% 01/15/2027 DD 01/15/24	1,879,983	1,891,495
		U S TREASURY NOTE4.000% 01/31/2029 DD 01/31/24	281,378	276,128
		U S TREASURY NOTE4.000% 02/15/2034 DD 02/15/24	14,056,443	13,539,616
		U S TREASURY NOTE4.000% 07/31/2029 DD 07/31/24	305,145	295,206
		U S TREASURY NOTE4.000% 12/15/2027 DD 12/15/24	1,213,340	1,210,472
		U S TREASURY NOTE4.125% 02/15/2027 DD 02/15/24	1,358,582	1,356,178
		U S TREASURY NOTE4.125% 03/31/2029 DD 03/31/24	2,395,842	2,381,046
		U S TREASURY NOTE4.125% 09/30/2027 DD 09/30/22	6,759,160	6,670,308
		U S TREASURY NOTE4.125% 10/31/2026 DD 10/31/24	3,042,243	3,037,875
		U S TREASURY NOTE4.125% 10/31/2029 DD 10/31/24	1,764,160	1,764,223

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
U.S. Government Obligations (Continued)				
	U S TREASURY NOTE4.125% 11/15/2027 DD 11/15/24	\$ 2,337,725	\$ 2,334,377	
	U S TREASURY NOTE4.250% 06/30/2029 DD 06/30/24	1,939,868	1,930,014	
	U S TREASURY NOTE4.250% 11/15/2034 DD 11/15/24	931,705	910,896	
	U S TREASURY NOTE4.250% 12/31/2026 DD 12/31/24	814,491	815,000	
	U S TREASURY NOTE4.375% 08/31/2028 DD 08/31/23	84,947	85,056	
	U S TREASURY NOTE4.375% 11/30/2028 DD 11/30/23	1,530,007	1,530,413	
	U S TREASURY NOTE4.375% 12/15/2026 DD 12/15/23	370,008	370,810	
	U S TREASURY NOTE4.375% 12/31/2029 DD 12/31/24	79,923	79,950	
	U S TREASURY NOTE4.500% 05/15/2027 DD 05/15/24	2,683,275	2,667,956	
	U S TREASURY NOTE4.500% 11/15/2033 DD 11/15/23	922,009	918,966	
	U S TREASURY NOTE4.500% 12/31/2031 DD 12/31/24	325,476	325,254	
	U S TREASURY NOTE4.625% 04/30/2031 DD 04/30/24	111,927	110,920	
	U S TREASURY NOTE4.625% 05/31/2031 DD 05/31/24	225,305	216,748	
	U S TREASURY NOTE4.625% 06/30/2026 DD 06/30/24	2,360,978	2,368,611	
	U S TREASURY NOTE4.875% 10/31/2028 DD 10/31/23	716,936	712,495	
	U S TREASURY NT PRIN STRIP0.000% 02/15/2033 DD 02/15/23	792,063	800,490	
	US 10YR TREAS NTS FUTURE (CBT)EXP MAR 25	-	35,180	
	US 10YR ULTRA FUTURE (CBT)EXP MAR 25	-	708,571	
	US 2YR TREAS NTS FUT (CBT)EXP MAR 25	-	8,720	
	US 5YR TREAS NTS FUTURE (CBT)EXP MAR 25	-	(498,195)	
	US TREAS BD FUTURE (CBT)EXP MAR 25	-	529,388	
	US TREAS-CPI INFLAT0.250% 02/15/2050 DD 02/15/20	860,548	837,747	
	US TREAS-CPI INFLAT0.625% 02/15/2043 DD 02/15/13	1,070,498	1,066,054	
	US TREAS-CPI INFLAT1.375% 02/15/2044 DD 02/15/14	2,224,753	2,208,948	
	US ULTRA BOND (CBT)EXP MAR 25	-	(3,070,336)	
Total U.S. Government Obligation		1,080,411,452	864,156,737	
Total Investments		3,603,941,380	3,647,969,142	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
401(h) Investments				
Short-Term Investments				
*	CAD (CANADIAN DOLLARS)	\$ 3,111	\$ 2,716	
	EB TEMP INV FDVAR RT 12/31/2049 DD 04/02/10	3,051,515	3,051,515	
	EUR (EURO)	(15)	-	
	GBP (GREAT BRITISH POUNDS)	573	545	
	NZD (NEW ZEALAND DOLLAR)	49	37	
	ZAR (SOUTH AFRICAN RAND)	1	1	
Total Short-Term Investments		3,055,234	3,054,814	
State and Local Government Obligations				
	CALIFORNIA ST5.200% 03/01/2043 DD 03/15/23	111,158	111,396	
	CHICAGO IL TRANSIT AUTH SALES6.200% 12/01/2040 DD 04/06/10	24,346	20,540	
	CHICAGO IL TRANSIT AUTH SALES6.899% 12/01/2040 DD 08/06/08	110,296	98,218	
	CMWLTH FING AUTH PA4.144% 06/01/2038 DD 10/31/16	9,709	9,042	
	DALLAS TX AREA RAPID TRANSIT S2.613% 12/01/2048 DD 12/01/21	217,807	159,262	
	DALLAS-FORT WORTH TX INTERNATI4.087% 11/01/2051 DD 04/21/22	25,000	20,706	
	KANSAS ST DEV FIN AUTH REVENUE4.927% 04/15/2045 DD 08/20/15	48,940	42,471	
	MUNI ELEC AUTH OF GEORGIA6.637% 04/01/2057 DD 03/11/10	169,097	146,176	
	NEW YORK CITY NY MUNI WTR FIN5.440% 06/15/2043 DD 09/23/10	257,178	189,194	
	NEW YORK NY5.114% 10/01/2054 DD 10/16/24	35,000	33,117	
	PORT AUTH OF NEW YORK & NEW JE3.287% 08/01/2069 DD 08/16/19	60,478	50,875	
	PORT AUTH OF NEW YORK & NEW JE4.926% 10/01/2051 DD 10/06/11	144,284	111,276	
	PORT AUTH OF NEW YORK & NEW JE5.072% 07/15/2053 DD 06/14/23	55,000	52,022	
	SALES TAX SECURITIZATION CORP3.587% 01/01/2043 DD 12/14/17	118,478	106,720	
	SALES TAX SECURITIZATION CORP4.637% 01/01/2040 DD 01/30/19	146,444	136,562	
	UNIV OF CALIFORNIA CA RGTS MED4.563% 05/15/2053 DD 05/11/22	50,641	43,069	
	UNIV OF CALIFORNIA CA RGTS MED6.548% 05/15/2048 DD 11/18/10	65,945	53,699	
	UNIV OF CALIFORNIA REVENUES4.767% 05/15/2115 DD 04/08/15	143,595	114,164	
Total State and Local Government Obligations		1,793,396	1,498,509	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Common/Collective Trusts				
*	BNYM-M DB SL ACWI FUND	\$ 17,419,077	\$ 29,644,000	
	JPMCB LONG DURATION INVESTMENTGRADE FUND	89,636,978	107,248,488	
Total Common/Collective Trusts		107,056,055	136,892,488	
Corporate Obligations				
	ABBOTT LABORATORIES4.750% 11/30/2036 DD 11/22/16	129,126	120,795	
	ABBVIE INC4.050% 11/21/2039 DD 05/21/20	237,006	200,998	
	ABBVIE INC4.300% 05/14/2036 DD 05/12/16	161,399	155,283	
	ABBVIE INC4.850% 06/15/2044 DD 06/15/20	28,218	27,231	
	AKER BP ASA 144A5.800% 10/01/2054 DD 10/01/24	147,485	136,143	
	ALABAMA POWER CO3.000% 03/15/2052 DD 11/18/21	18,435	12,861	
	ALABAMA POWER CO3.450% 10/01/2049 DD 09/17/19	110,136	74,241	
	ALABAMA POWER CO3.700% 12/01/2047 DD 11/08/17	31,231	29,882	
	ALABAMA POWER CO4.300% 01/02/2046 DD 01/13/16	32,388	24,928	
	ALABAMA POWER CO4.300% 07/15/2048 DD 06/28/18	4,962	4,108	
	ALCON FINANCE CORP 144A3.800% 09/23/2049 DD 09/23/19	166,534	146,908	
	ALTRIA GROUP INC3.400% 02/04/2041 DD 02/04/21	88,768	83,100	
	AMAZON.COM INC2.700% 06/03/2060 DD 06/03/20	29,398	17,245	
	AMAZON.COM INC3.950% 04/13/2052 DD 04/13/22	312,132	248,806	
	AMAZON.COM INC4.050% 08/22/2047 DD 02/22/18	10,240	8,272	
	AMAZON.COM INC4.250% 08/22/2057 DD 02/22/18	55,777	41,844	
	AMERICAN TOWER CORP3.100% 06/15/2050 DD 06/03/20	49,461	38,534	
	AMERICAN WATER CAPITAL CORP3.750% 09/01/2047 DD 08/10/17	37,638	29,681	
	AMERICAN WATER CAPITAL CORP4.200% 09/01/2048 DD 08/09/18	47,301	35,809	
	AMGEN INC2.770% 09/01/2053 DD 03/01/21	26,524	29,166	
	AMGEN INC3.150% 02/21/2040 DD 02/21/20	156,113	115,619	
	AMGEN INC4.400% 02/22/2062 DD 02/22/22	49,692	38,857	
	AMGEN INC4.563% 06/15/2048 DD 12/15/16	62,451	50,050	
	AMGEN INC5.600% 03/02/2043 DD 03/02/23	126,292	121,968	
	AMGEN INC5.750% 03/02/2063 DD 03/02/23	64,397	62,548	
	ANHEUSER-BUSCH COS LLC / ANHEU4.700% 02/01/2036 DD 02/01/19	115,680	113,756	
	ANHEUSER-BUSCH COS LLC / ANHEU4.900% 02/01/2046 DD 02/01/19	563,265	519,690	

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	Corporate Obligations (Continued)			
		ANHEUSER-BUSCH INBEV WORLDWIDE5.450% 01/23/2039 DD 01/23/19	\$ 86,958	\$ 85,224
*		AON CORP / AON GLOBAL HOLDINGS3.900% 02/28/2052 DD 02/28/22	59,092	44,108
*		AON GLOBAL LTD4.600% 06/14/2044 DD 05/28/14	47,966	42,336
*		AON NORTH AMERICA INC5.750% 03/01/2054 DD 03/01/24	109,331	107,624
		APPLE INC2.650% 02/08/2051 DD 02/08/21	14,901	9,266
		APPLE INC2.700% 08/05/2051 DD 08/05/21	124,303	78,099
		APPLE INC2.950% 09/11/2049 DD 09/11/19	78,524	51,394
		APPLE INC3.850% 05/04/2043 DD 05/03/13	110,549	107,831
		APPLE INC3.850% 08/04/2046 DD 08/04/16	315,612	254,293
		APPLE INC3.950% 08/08/2052 DD 08/08/22	159,264	135,480
		APPLE INC4.100% 08/08/2062 DD 08/08/22	59,789	47,984
		ARTHUR J GALLAGHER & CO5.150% 02/15/2035 DD 12/19/24	24,907	24,409
		ARTHUR J GALLAGHER & CO5.550% 02/15/2055 DD 12/19/24	54,657	53,086
		ASTRAZENECA PLC4.375% 08/17/2048 DD 08/17/18	32,050	29,703
		ASTRAZENECA PLC4.375% 11/16/2045 DD 11/16/15	42,557	34,332
		AT&T INC3.500% 09/15/2053 DD 03/15/21	497,742	386,715
		AT&T INC3.650% 09/15/2059 DD 03/15/21	156,905	126,183
		AT&T INC3.800% 12/01/2057 DD 06/01/21	432,974	306,955
		ATHENE HOLDING LTD6.250% 04/01/2054 DD 03/22/24	119,469	120,530
		ATMOS ENERGY CORP2.850% 02/15/2052 DD 10/01/21	26,890	26,938
		ATMOS ENERGY CORP3.375% 09/15/2049 DD 10/02/19	10,337	10,308
		ATMOS ENERGY CORP5.000% 12/15/2054 DD 10/01/24	14,893	13,556
		BACARDI LTD / BACARDI-MAR 144A5.900% 06/15/2043 DD 06/20/23	99,641	96,951
		BALTIMORE GAS AND ELECTRIC CO5.650% 06/01/2054 DD 06/06/24	114,968	113,623
		BANK OF AMERICA CORPVAR RT 01/20/2048 DD 01/20/17	69,244	54,813
		BANK OF AMERICA CORPVAR RT 01/23/2035 DD 01/23/24	20,000	20,027
		BANK OF AMERICA CORPVAR RT 01/23/2049 DD 01/23/18	98,582	81,126
		BANK OF AMERICA CORPVAR RT 03/15/2050 DD 03/15/19	136,739	88,533
		BANK OF AMERICA CORPVAR RT 04/23/2040 DD 04/23/19	242,349	208,451
		BANK OF AMERICA CORPVAR RT 06/19/2041 DD 06/19/20	126,011	86,916

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Corporate Obligations (Continued)				
	BANK OF AMERICA CORPVAR RT 10/25/2035 DD 10/25/24	\$ 240,000	\$ 234,300	
	BAT CAPITAL CORP4.540% 08/15/2047 DD 08/15/18	25,996	27,034	
	BAXTER INTERNATIONAL INC3.132% 12/01/2051 DD 06/01/22	126,600	80,817	
	BAYLOR SCOTT & WHITE HOLDINGS2.839% 11/15/2050 DD 01/21/21	50,000	31,829	
	BECTON DICKINSON & CO4.669% 06/06/2047 DD 06/06/17	70,620	55,705	
	BERKSHIRE HATHAWAY ENERGY CO5.150% 11/15/2043 DD 11/08/13	23,823	18,998	
	BERKSHIRE HATHAWAY ENERGY CO6.125% 04/01/2036 DD 10/01/06	534,829	430,493	
	BERKSHIRE HATHAWAY FINANCE COR3.850% 03/15/2052 DD 03/15/22	89,682	68,196	
	BHP BILLITON FINANCE USA LTD5.000% 09/30/2043 DD 09/30/13	64,959	51,435	
	BHP BILLITON FINANCE USA LTD5.500% 09/08/2053 DD 09/08/23	100,378	97,760	
	BLACKROCK FUNDING INC5.250% 03/14/2054 DD 03/14/24	74,096	70,964	
	BNP PARIBAS SA 144AVAR RT 11/19/2035 DD 11/19/24	305,000	295,917	
	BOEING CO/THE5.705% 05/01/2040 DD 05/04/20	122,096	114,270	
	BOEING CO/THE5.805% 05/01/2050 DD 05/04/20	97,658	97,466	
	BOEING CO/THE6.858% 05/01/2054 DD 11/01/24	65,000	69,220	
	BOEING CO/THE7.008% 05/01/2064 DD 11/01/24	115,000	122,244	
	BOSTON SCIENTIFIC CORP4.550% 03/01/2039 DD 02/25/19	40,770	37,429	
	BP CAPITAL MARKETS AMERICA INC2.772% 11/10/2050 DD 08/10/20	33,509	21,029	
	BP CAPITAL MARKETS AMERICA INC2.939% 06/04/2051 DD 12/04/20	107,883	71,321	
	BP CAPITAL MARKETS AMERICA INC3.000% 02/24/2050 DD 02/24/20	64,895	50,946	
	BP CAPITAL MARKETS AMERICA INC3.001% 03/17/2052 DD 09/17/21	55,000	34,390	
	BP CAPITAL MARKETS AMERICA INC3.060% 06/17/2041 DD 06/17/21	32,725	28,887	
	BP CAPITAL MARKETS AMERICA INC3.379% 02/08/2061 DD 02/08/21	157,806	101,482	
	BPCE SA 144AVAR RT 10/19/2034 DD 10/19/23	250,000	266,503	
	BRISTOL-MYERS SQUIBB CO2.350% 11/13/2040 DD 11/13/20	119,417	79,739	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	BRISTOL-MYERS SQUIBB CO2.550% 11/13/2050 DD 11/13/20	\$ 188,554	\$ 110,111	
	BRISTOL-MYERS SQUIBB CO4.250% 10/26/2049 DD 04/26/20	222,858	137,583	
	BRISTOL-MYERS SQUIBB CO4.350% 11/15/2047 DD 05/15/20	20,089	12,397	
	BRISTOL-MYERS SQUIBB CO5.500% 02/22/2044 DD 02/22/24	4,962	4,971	
	BRISTOL-MYERS SQUIBB CO5.550% 02/22/2054 DD 02/22/24	29,883	29,111	
	BRISTOL-MYERS SQUIBB CO6.400% 11/15/2063 DD 11/13/23	119,982	128,773	
	BROADCOM INC 144A3.500% 02/15/2041 DD 01/19/21	138,157	140,627	
	BROADCOM INC 144A4.926% 05/15/2037 DD 04/18/22	34,690	35,211	
	BROADCOM INC4.800% 10/15/2034 DD 10/02/24	109,772	106,160	
	BROOKLYN UNION GAS CO/THE 144A6.415% 07/18/2054 DD 07/18/24	50,000	51,908	
	BURLINGTON NORTHERN SANTA FE L4.150% 04/01/2045 DD 03/09/15	448,490	349,805	
	BURLINGTON NORTHERN SANTA FE L4.550% 09/01/2044 DD 08/18/14	42,169	34,885	
	BURLINGTON NORTHERN SANTA FE L5.500% 03/15/2055 DD 06/07/24	84,550	83,758	
	CANADIAN NATIONAL RAILWAY CO3.650% 02/03/2048 DD 02/06/18	48,555	37,677	
	CANADIAN PACIFIC RAILWAY CO3.100% 12/02/2051 DD 12/02/21	31,393	22,793	
	CARDINAL HEALTH INC5.350% 11/15/2034 DD 11/22/24	74,789	73,428	
	CARDINAL HEALTH INC5.750% 11/15/2054 DD 11/22/24	39,842	38,323	
	CARGILL INC 144A4.375% 04/22/2052 DD 04/22/22	34,849	28,901	
	CATERPILLAR INC3.803% 08/15/2042 DD 08/15/12	29,050	28,465	
	CHARTER COMMUNICATIONS OPERATI3.850% 04/01/2061 DD 12/04/20	94,888	57,340	
	CHARTER COMMUNICATIONS OPERATI5.375% 05/01/2047 DD 11/01/17	417,012	324,560	
	CHARTER COMMUNICATIONS OPERATI6.484% 10/23/2045 DD 10/23/16	58,902	52,016	
	CHILE GOVERNMENT INTERNATIONAL5.330% 01/05/2054 DD 07/05/23	199,850	184,860	
	CISCO SYSTEMS INC5.300% 02/26/2054 DD 02/26/24	145,337	141,052	
	CISCO SYSTEMS INC5.350% 02/26/2064 DD 02/26/24	49,779	47,990	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	CITIGROUP INCVAR RT 01/24/2039 DD 01/24/18	\$ 74,966	\$ 62,564	
	CLECO CORPORATE HOLDINGS LLCVAR RT 05/01/2046 DD 11/01/16	43,291	33,497	
	COCA-COLA CO/THE2.500% 06/01/2040 DD 05/01/20	91,837	66,587	
	COCA-COLA CO/THE5.200% 01/14/2055 DD 08/14/24	169,852	161,663	
	COCA-COLA CO/THE5.300% 05/13/2054 DD 05/13/24	44,739	43,482	
	COCA-COLA CO/THE5.400% 05/13/2064 DD 05/13/24	228,544	221,720	
	COLUMBIA PIPELINES OPERAT 144A6.497% 08/15/2043 DD 08/08/23	15,000	15,576	
	COLUMBIA PIPELINES OPERAT 144A6.714% 08/15/2063 DD 08/08/23	107,757	111,648	
	COMCAST CORP2.937% 11/01/2056 DD 05/01/22	1,215	1,168	
	COMCAST CORP2.987% 11/01/2063 DD 05/01/22	96,239	54,836	
	COMCAST CORP3.250% 11/01/2039 DD 11/05/19	25,528	26,547	
	COMCAST CORP3.400% 07/15/2046 DD 07/19/16	695,809	548,324	
	COMCAST CORP3.900% 03/01/2038 DD 02/08/18	69,661	58,906	
	COMCAST CORP5.350% 05/15/2053 DD 05/09/23	24,892	23,187	
	COMCAST CORP5.500% 05/15/2064 DD 05/09/23	134,366	126,118	
	COMMONWEALTH EDISON CO3.650% 06/15/2046 DD 06/27/16	31,375	26,162	
	COMMONWEALTH EDISON CO3.700% 03/01/2045 DD 03/02/15	27,163	19,098	
	COMMONWEALTH EDISON CO4.000% 03/01/2049 DD 02/19/19	54,402	42,408	
	COMMONWEALTH EDISON CO4.350% 11/15/2045 DD 11/19/15	4,370	3,358	
	COMMONWEALTH EDISON CO5.650% 06/01/2054 DD 05/13/24	44,708	44,461	
	COMMONWEALTH EDISON CO6.450% 01/15/2038 DD 01/16/08	206,437	163,146	
	CONOCOPHILLIPS CO3.800% 03/15/2052 DD 03/08/22	137,145	102,371	
	CONOCOPHILLIPS CO4.025% 03/15/2062 DD 09/15/22	29,892	25,322	
	CONOCOPHILLIPS CO5.300% 05/15/2053 DD 05/23/23	79,262	74,092	
	CONOCOPHILLIPS CO5.500% 01/15/2055 DD 12/05/24	39,868	38,045	

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	Current Value
Corporate Obligations (Continued)				
	CONOCOPHILLIPS CO5.550% 03/15/2054 DD 08/17/23	\$ 50,673	\$	48,244
	CONOCOPHILLIPS CO5.650% 01/15/2065 DD 12/05/24	60,311		56,746
	CONOCOPHILLIPS CO5.700% 09/15/2063 DD 08/17/23	59,836		57,627
	CONSOLIDATED EDISON CO OF NEW3.200% 12/01/2051 DD 12/02/21	30,000		19,648
	CONSOLIDATED EDISON CO OF NEW3.700% 11/15/2059 DD 11/08/19	123,889		87,279
	CONSOLIDATED EDISON CO OF NEW4.300% 12/01/2056 DD 11/16/16	58,644		42,901
	CONSOLIDATED EDISON CO OF NEW4.500% 05/15/2058 DD 05/10/18	95,907		80,486
	CONSOLIDATED EDISON CO OF NEW5.700% 05/15/2054 DD 05/09/24	134,058		134,498
	CONSOLIDATED EDISON CO OF NEW5.900% 11/15/2053 DD 11/22/23	49,543		50,732
	CONSOLIDATED EDISON CO OF NEW6.750% 04/01/2038 DD 04/04/08	147,304		115,917
	COREBRIDGE FINANCIAL INC4.350% 04/05/2042 DD 04/05/23	34,780		33,392
	COTERRA ENERGY INC5.900% 02/15/2055 DD 12/17/24	94,387		89,883
	CROWN CASTLE INC4.000% 11/15/2049 DD 08/15/19	7,788		7,444
	CSL FINANCE PLC 144A4.750% 04/27/2052 DD 04/27/22	85,395		73,421
	CSX CORP4.500% 08/01/2054 DD 07/21/14	26,297		20,945
	CSX CORP4.900% 03/15/2055 DD 09/18/24	54,931		49,289
	CSX CORP6.220% 04/30/2040 DD 03/24/10	17,837		16,058
	CVS HEALTH CORP4.125% 04/01/2040 DD 03/31/20	84,526		70,594
	CVS HEALTH CORP5.125% 07/20/2045 DD 07/20/15	195,725		143,123
	DIAMONDBACK ENERGY INC4.250% 03/15/2052 DD 03/17/22	18,154		15,129
	DIAMONDBACK ENERGY INC5.750% 04/18/2054 DD 04/18/24	30,136		28,208
	DIAMONDBACK ENERGY INC5.900% 04/18/2064 DD 04/18/24	49,923		46,951
	DIAMONDBACK ENERGY INC6.250% 03/15/2053 DD 12/13/22	80,102		79,884
	DOMINION ENERGY INC3.300% 04/15/2041 DD 04/05/21	79,930		58,966
	DOMINION ENERGY INC7.000% 06/15/2038 DD 06/17/08	297,537		245,045
	DOMINION ENERGY SOUTH CAROLINA4.600% 06/15/2043 DD 06/14/13	23,004		21,790

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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	DOMINION ENERGY SOUTH CAROLINA 5.100% 06/01/2065 DD 05/22/15	\$ 5,722	\$ 4,478	
	DUKE ENERGY CAROLINAS LLC 3.550% 03/15/2052 DD 03/04/22	21,250	21,155	
	DUKE ENERGY CAROLINAS LLC 3.750% 06/01/2045 DD 03/12/15	15,069	15,311	
	DUKE ENERGY CAROLINAS LLC 3.875% 03/15/2046 DD 03/11/16	128,159	96,910	
	DUKE ENERGY CAROLINAS LLC 6.000% 01/15/2038 DD 01/10/08	27,008	26,012	
	DUKE ENERGY CORP 3.300% 06/15/2041 DD 06/10/21	124,690	91,864	
	DUKE ENERGY CORP 3.750% 09/01/2046 DD 08/12/16	79,903	70,021	
	DUKE ENERGY CORP 3.950% 08/15/2047 DD 08/10/17	25,495	22,365	
	DUKE ENERGY CORP 4.200% 06/15/2049 DD 06/07/19	10,809	11,601	
	DUKE ENERGY CORP 5.000% 08/15/2052 DD 08/11/22	78,023	69,925	
	DUKE ENERGY CORP 5.800% 06/15/2054 DD 06/07/24	69,605	68,251	
	DUKE ENERGY INDIANA LLC 4.200% 03/15/2042 DD 03/15/12	295,916	233,771	
	DUKE ENERGY OHIO INC 5.650% 04/01/2053 DD 03/22/23	43,338	44,108	
	DUKE ENERGY PROGRESS LLC 4.100% 05/15/2042 DD 05/18/12	178,034	139,881	
	EASTERN ENERGY GAS HOLDINGS LL 5.650% 10/15/2054 DD 10/09/24	60,189	56,677	
	ECOLAB INC 2.700% 12/15/2051 DD 12/15/21	74,816	45,632	
	ELEVANCE HEALTH INC 4.625% 05/15/2042 DD 05/07/12	157,505	125,347	
	ELEVANCE HEALTH INC 5.650% 06/15/2054 DD 05/30/24	109,555	105,567	
	ELEVANCE HEALTH INC 5.850% 11/01/2064 DD 10/31/24	134,606	130,611	
	ELI LILLY & CO 5.050% 08/14/2054 DD 08/14/24	29,853	27,838	
	ELI LILLY & CO 5.100% 02/09/2064 DD 02/09/24	159,810	146,502	
	EMERA US FINANCE LP 4.750% 06/15/2046 DD 12/15/16	199,654	174,071	
	ENBRIDGE INC 5.950% 04/05/2054 DD 04/05/24	45,014	44,626	
	ENBRIDGE INC 6.700% 11/15/2053 DD 11/09/23	99,870	108,677	
	ENERGY TRANSFER LP 5.150% 02/01/2043 DD 01/22/13	28,030	26,481	
	ENERGY TRANSFER LP 5.300% 04/01/2044 DD 04/03/14	20,338	17,905	

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Corporate Obligations (Continued)				
	ENERGY TRANSFER LP5.400% 10/01/2047 DD 09/21/17	\$ 4,575	\$ 4,495	
	ENERGY TRANSFER LP6.050% 06/01/2041 DD 05/12/11	315,792	294,124	
	ENI SPA 144A5.950% 05/15/2054 DD 05/15/24	200,304	192,492	
	ENTERPRISE PRODUCTS OPERATING4.800% 02/01/2049 DD 10/11/18	16,796	12,927	
	ENTERPRISE PRODUCTS OPERATING5.100% 02/15/2045 DD 02/12/14	322,355	267,537	
	EOG RESOURCES INC5.650% 12/01/2054 DD 11/21/24	74,654	73,546	
	EQUINOR ASA3.625% 04/06/2040 DD 04/06/20	69,350	56,606	
	EQUINOR ASA3.700% 04/06/2050 DD 04/06/20	4,632	3,709	
	EQUINOR ASA4.250% 11/23/2041 DD 11/23/11	88,078	72,946	
	EVERGY KANSAS CENTRAL INC3.250% 09/01/2049 DD 08/19/19	24,679	16,608	
	EVERSOURCE ENERGY3.450% 01/15/2050 DD 01/10/20	10,676	6,842	
	EXELON CORP4.700% 04/15/2050 DD 04/01/20	55,034	38,008	
	EXXON MOBIL CORP4.227% 03/19/2040 DD 03/19/20	37,251	30,735	
	FEDEX CORP4.100% 02/01/2045 DD 01/09/15	49,837	39,151	
	FEDEX CORP4.550% 04/01/2046 DD 03/24/16	40,805	35,027	
	FORTIVE CORP4.300% 06/15/2046 DD 06/15/17	58,716	45,036	
	GEORGIA POWER CO4.300% 03/15/2042 DD 03/06/12	229,731	200,013	
	GEORGIA POWER CO4.750% 09/01/2040 DD 08/31/10	45,510	41,071	
	GEORGIA POWER CO5.650% 03/01/2037 DD 03/13/07	26,392	25,048	
	GILEAD SCIENCES INC2.600% 10/01/2040 DD 09/30/20	94,573	65,920	
	GILEAD SCIENCES INC4.150% 03/01/2047 DD 09/20/16	78,457	60,189	
	GILEAD SCIENCES INC4.500% 02/01/2045 DD 11/17/14	173,296	128,702	
	GILEAD SCIENCES INC4.800% 04/01/2044 DD 03/07/14	13,641	13,438	
	GILEAD SCIENCES INC5.100% 06/15/2035 DD 11/20/24	144,419	142,811	
	GLENORE FUNDING LLC 144A3.875% 04/27/2051 DD 04/27/21	52,119	50,271	

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Corporate Obligations (Continued)				
	GLENCORE FUNDING LLC 144A5.893% 04/04/2054 DD 04/04/24	\$ 108,331	\$ 106,895	
	GOLDMAN SACHS GROUP INC/THEVAR RT 04/23/2039 DD 04/23/18	139,715	123,533	
	GOLDMAN SACHS GROUP INC/THEVAR RT 10/23/2035 DD 10/23/24	80,000	76,613	
	GOLDMAN SACHS GROUP INC/THEVAR RT 10/31/2038 DD 10/31/17	384,122	334,605	
	GOLDMAN SACHS GROUP INC/THEVAR RT 11/19/2045 DD 11/19/24	290,000	280,320	
	GREENSAIF PIPELINES BIDCO 144A6.103% 08/23/2042 DD 07/31/24	200,000	195,002	
	HCA INC4.625% 03/15/2052 DD 03/15/23	63,207	50,645	
	HEALTH CARE SERVICE CORP 144A5.875% 06/15/2054 DD 06/10/24	64,799	63,024	
	HERSHEY CO/THE3.125% 11/15/2049 DD 10/31/19	33,941	23,302	
	HESS CORP6.000% 01/15/2040 DD 12/14/09	48,982	57,306	
	HEWLETT PACKARD ENTERPRISE CO5.600% 10/15/2054 DD 09/26/24	48,993	47,154	
	HOME DEPOT INC/THE3.125% 12/15/2049 DD 01/13/20	78,869	49,622	
	HOME DEPOT INC/THE4.400% 03/15/2045 DD 06/12/14	345,473	273,766	
	HOME DEPOT INC/THE5.300% 06/25/2054 DD 06/25/24	34,746	33,572	
	HOME DEPOT INC/THE5.400% 06/25/2064 DD 06/25/24	14,744	14,401	
	HONEYWELL INTERNATIONAL INC5.000% 03/01/2035 DD 03/01/24	85,190	83,350	
	HONEYWELL INTERNATIONAL INC5.250% 03/01/2054 DD 03/01/24	349,213	328,346	
	HSBC HOLDINGS PLCVAR RT 03/09/2044 DD 03/09/23	200,000	211,310	
	HSBC HOLDINGS PLCVAR RT 11/13/2034 DD 11/13/23	200,000	217,410	
	HSBC HOLDINGS PLCVAR RT 11/18/2035 DD 11/18/24	285,000	278,009	
	HUMANA INC4.950% 10/01/2044 DD 09/19/14	34,398	25,509	
	IBM INTERNATIONAL CAPITAL PTE5.250% 02/05/2044 DD 02/05/24	244,010	232,336	
	INTEL CORP3.050% 08/12/2051 DD 08/12/21	35,752	19,982	
	INTEL CORP3.100% 02/15/2060 DD 02/13/20	191,164	107,030	
	INTEL CORP3.250% 11/15/2049 DD 11/21/19	139,691	95,659	
	INTEL CORP3.734% 12/08/2047 DD 06/08/18	35,826	33,011	
	INTEL CORP4.900% 08/05/2052 DD 08/05/22	119,756	94,888	
	INTERCONTINENTAL EXCHANGE INC2.650% 09/15/2040 DD 08/20/20	44,823	31,401	

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Corporate Obligations (Continued)				
	INTERCONTINENTAL EXCHANGE INC3.000% 09/15/2060 DD 08/20/20	\$ 144,200	\$ 84,619	
	INTERCONTINENTAL EXCHANGE INC4.950% 06/15/2052 DD 05/23/22	103,201	93,646	
	INTERCONTINENTAL EXCHANGE INC5.200% 06/15/2062 DD 05/23/22	20,623	18,197	
	INTERNATIONAL BUSINESS MACHINE2.850% 05/15/2040 DD 05/07/20	153,246	124,766	
	INTUIT INC5.500% 09/15/2053 DD 09/15/23	49,586	49,037	
	ITC HOLDINGS CORP5.300% 07/01/2043 DD 07/03/13	175,221	138,030	
	JOHNSON & JOHNSON2.100% 09/01/2040 DD 08/25/20	44,209	36,593	
	JOHNSONVILLE AERODERIVATIVE CO5.078% 10/01/2054 DD 10/02/24	155,000	148,857	
	JPMORGAN CHASE & COVAR RT 01/23/2035 DD 01/23/24	20,000	19,908	
	JPMORGAN CHASE & COVAR RT 04/22/2035 DD 04/22/24	60,000	61,391	
	JPMORGAN CHASE & COVAR RT 04/22/2041 DD 04/22/20	701,116	556,508	
	JPMORGAN CHASE & COVAR RT 07/22/2035 DD 07/22/24	160,000	158,293	
	JPMORGAN CHASE & COVAR RT 07/24/2038 DD 07/24/17	190,156	162,233	
	JPMORGAN CHASE & COVAR RT 10/22/2035 DD 10/22/24	55,000	52,983	
	JPMORGAN CHASE & COVAR RT 11/15/2048 DD 11/10/17	99,506	78,253	
	JPMORGAN CHASE & COVAR RT 11/29/2045 DD 11/29/24	582,569	566,637	
	KAISER FOUNDATION HOSPITALS2.810% 06/01/2041 DD 06/15/21	65,000	46,048	
	KAISER FOUNDATION HOSPITALS3.002% 06/01/2051 DD 06/15/21	90,000	58,538	
	KAISER FOUNDATION HOSPITALS4.150% 05/01/2047 DD 05/03/17	11,167	8,165	
	KENVUE INC5.050% 03/22/2053 DD 09/22/23	44,711	41,774	
	KENVUE INC5.100% 03/22/2043 DD 09/22/23	24,935	24,005	
	KENVUE INC5.200% 03/22/2063 DD 09/22/23	59,580	55,540	
	KEYSPAN GAS EAST CORP 144A3.586% 01/18/2052 DD 01/18/22	95,000	63,145	
	KRAFT HEINZ FOODS CO4.375% 06/01/2046 DD 05/24/16	71,305	64,782	
	KRAFT HEINZ FOODS CO5.200% 07/15/2045 DD 07/15/16	54,050	49,745	
	KROGER CO/THE5.500% 09/15/2054 DD 08/27/24	9,959	9,431	
	KROGER CO/THE5.650% 09/15/2064 DD 08/27/24	104,533	98,898	

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Corporate Obligations (Continued)				
	LOCKHEED MARTIN CORP3.800% 03/01/2045 DD 02/20/15	\$ 51,464	\$ 43,396	
	LOCKHEED MARTIN CORP4.150% 06/15/2053 DD 05/05/22	112,806	100,058	
	LOCKHEED MARTIN CORP5.200% 02/15/2055 DD 05/25/23	19,956	18,850	
	LOCKHEED MARTIN CORP5.200% 02/15/2064 DD 01/29/24	59,807	55,798	
	LOCKHEED MARTIN CORP5.900% 11/15/2063 DD 10/24/22	34,699	36,623	
	LOWE'S COS INC4.050% 05/03/2047 DD 05/03/17	96,961	81,591	
	LOWE'S COS INC4.250% 09/15/2044 DD 09/10/14	11,549	7,750	
	MARSH & MCLENNAN COS INC4.750% 03/15/2039 DD 01/15/19	125,032	111,132	
	MARSH & MCLENNAN COS INC5.000% 03/15/2035 DD 11/08/24	184,686	180,665	
	MASS GENERAL BRIGHAM INC3.342% 07/01/2060 DD 01/29/20	40,627	39,793	
	MASSACHUSETTS INSTITUTE OF TEC2.989% 07/01/2050 DD 12/20/19	65,015	43,770	
	MASTERCARD INC2.950% 03/15/2051 DD 03/04/21	64,384	42,063	
	MASTERCARD INC3.850% 03/26/2050 DD 03/26/20	9,958	7,750	
	MCDONALD'S CORP4.450% 09/01/2048 DD 08/15/18	26,593	20,870	
	MCDONALD'S CORP4.875% 12/09/2045 DD 12/09/15	324,910	261,078	
	MERCK & CO INC4.150% 05/18/2043 DD 05/20/13	51,487	50,305	
	MERCK & CO INC4.900% 05/17/2044 DD 05/17/23	89,463	83,184	
	MERCK & CO INC5.000% 05/17/2053 DD 05/17/23	94,619	86,593	
	META PLATFORMS INC5.400% 08/15/2054 DD 08/09/24	49,801	48,452	
	META PLATFORMS INC5.550% 08/15/2064 DD 08/09/24	124,460	122,378	
	META PLATFORMS INC5.600% 05/15/2053 DD 05/03/23	153,926	155,268	
	META PLATFORMS INC5.750% 05/15/2063 DD 05/03/23	84,747	85,977	
	METLIFE INC4.050% 03/01/2045 DD 03/05/15	61,418	48,085	
	MEXICO GOVERNMENT INTERNATIONAL4.400% 02/12/2052	403,404	273,516	
	MEXICO GOVERNMENT INTERNATIONAL4.750% 03/08/2044	111,433	103,191	
	MEXICO GOVERNMENT INTERNATIONAL5.000% 04/27/2051	217,560	157,598	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	MEXICO GOVERNMENT INTERNATIONAL 6.400% 05/07/2054 DD 01/08/24	\$ 198,646	\$ 179,098	
	MICROSOFT CORP 2.525% 06/01/2050 DD 06/01/20	119,277	87,651	
	MICROSOFT CORP 2.921% 03/17/2052 DD 03/17/21	461,534	306,923	
	MORGAN STANLEY VAR RT 07/22/2038 DD 07/24/17	354,772	306,295	
	MORGAN STANLEY VAR RT 11/19/2055 DD 11/20/24	150,000	144,876	
	MPLX LP 4.900% 04/15/2058 DD 02/08/18	34,938	28,314	
	NASDAQ INC 5.950% 08/15/2053 DD 06/28/23	85,264	85,841	
	NASDAQ INC 6.100% 06/28/2063 DD 06/28/23	105,052	107,009	
	NATIONAL RURAL UTILITIES COOPE 4.300% 03/15/2049 DD 01/31/19	57,296	40,468	
	NATIONWIDE MUTUAL INSURANCE 144A 9.375% 08/15/2039 DD 08/10/09	286,504	216,677	
	NEVADA POWER CO 3.125% 08/01/2050 DD 01/30/20	19,992	12,784	
	NEW YORK LIFE INSURANCE C 144A 3.750% 05/15/2050 DD 04/14/20	19,878	14,563	
	NIKE INC 3.250% 03/27/2040 DD 03/27/20	39,750	30,877	
	NISOURCE INC 4.375% 05/15/2047 DD 05/22/17	95,329	61,384	
	NISOURCE INC 5.000% 06/15/2052 DD 06/10/22	19,923	17,727	
	NORFOLK SOUTHERN CORP 3.050% 05/15/2050 DD 05/11/20	49,883	32,378	
	NORFOLK SOUTHERN CORP 3.155% 05/15/2055 DD 05/15/20	93,560	60,797	
	NORFOLK SOUTHERN CORP 3.942% 11/01/2047 DD 05/01/18	21,095	16,162	
	NORFOLK SOUTHERN CORP 4.050% 08/15/2052 DD 02/15/18	23,429	23,056	
	NORFOLK SOUTHERN CORP 4.800% 08/15/2043 DD 08/13/13	88,616	68,950	
	NORFOLK SOUTHERN CORP 5.350% 08/01/2054 DD 08/02/23	53,468	52,439	
	NORTHERN STATES POWER CO/MN 2.600% 06/01/2051 DD 06/15/20	52,003	31,679	
	NORTHERN STATES POWER CO/MN 2.900% 03/01/2050 DD 09/10/19	29,421	19,226	
	NORTHERN STATES POWER CO/MN 3.600% 09/15/2047 DD 09/13/17	71,721	59,175	
	NORTHROP GRUMMAN CORP 4.030% 10/15/2047 DD 10/13/17	112,740	94,277	
	NORTHROP GRUMMAN CORP 5.200% 06/01/2054 DD 01/31/24	189,267	176,732	
	NOVARTIS CAPITAL CORP 2.750% 08/14/2050 DD 02/14/20	53,742	34,945	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	NOVARTIS CAPITAL CORP4.700% 09/18/2054 DD 09/18/24	\$ 114,926	\$ 101,662	
	NVIDIA CORP3.500% 04/01/2040 DD 03/31/20	19,960	16,551	
	NVIDIA CORP3.500% 04/01/2050 DD 03/31/20	127,395	100,470	
	OGLETHORPE POWER CORP 144A5.800% 06/01/2054 DD 06/21/24	29,921	29,471	
	OGLETHORPE POWER CORP4.500% 04/01/2047 DD 04/01/23	54,756	45,110	
	OGLETHORPE POWER CORP5.050% 10/01/2048 DD 04/01/19	85,788	79,332	
	OGLETHORPE POWER CORP6.200% 12/01/2053 DD 12/05/23	49,264	51,572	
	OHIO EDISON CO6.875% 07/15/2036 DD 06/26/06	107,891	88,262	
	ONCOR ELECTRIC DELIVERY CO LLC2.700% 11/15/2051 DD 11/16/21	42,497	26,574	
	ONCOR ELECTRIC DELIVERY CO LLC4.550% 12/01/2041 DD 06/01/12	157,642	123,830	
	ONEOK INC4.450% 09/01/2049 DD 08/15/19	15,237	15,618	
	ONEOK INC5.700% 11/01/2054 DD 09/24/24	109,691	103,553	
	ONEOK INC5.850% 11/01/2064 DD 09/24/24	109,668	103,351	
	ONEOK INC6.625% 09/01/2053 DD 08/24/23	22,190	21,052	
	ONEOK INC7.150% 01/15/2051 DD 05/07/20	19,041	21,740	
	ONEOK PARTNERS LP6.125% 02/01/2041 DD 01/26/11	10,419	9,967	
	ONEOK PARTNERS LP6.850% 10/15/2037 DD 09/28/07	109,673	107,733	
	ORACLE CORP3.600% 04/01/2040 DD 04/01/20	261,383	201,228	
	ORACLE CORP3.600% 04/01/2050 DD 04/01/20	273,655	182,317	
	ORACLE CORP3.800% 11/15/2037 DD 11/09/17	94,643	79,385	
	ORACLE CORP4.000% 07/15/2046 DD 07/07/16	252,780	238,824	
	ORACLE CORP4.000% 11/15/2047 DD 11/09/17	154,170	122,064	
	ORACLE CORP4.100% 03/25/2061 DD 03/24/21	19,247	18,004	
	ORACLE CORP4.125% 05/15/2045 DD 05/05/15	4,571	3,948	
	ORACLE CORP5.375% 07/15/2040 DD 07/15/11	232,116	183,111	
	ORACLE CORP5.375% 09/27/2054 DD 09/27/24	84,761	78,335	
	O'REILLY AUTOMOTIVE INC5.000% 08/19/2034 DD 08/19/24	44,902	43,686	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	OTIS WORLDWIDE CORP3.112% 02/15/2040 DD 08/15/20	\$ 100,462	\$ 74,869	
	OTIS WORLDWIDE CORP3.362% 02/15/2050 DD 08/15/20	30,209	20,678	
	PACIFIC GAS AND ELECTRIC CO3.500% 08/01/2050 DD 06/19/20	105,202	85,796	
	PACIFIC GAS AND ELECTRIC CO3.950% 12/01/2047 DD 11/29/17	227,198	186,955	
	PACIFIC GAS AND ELECTRIC CO4.450% 04/15/2042 DD 04/16/12	7,603	8,298	
	PACIFIC GAS AND ELECTRIC CO4.500% 07/01/2040 DD 07/02/20	79,540	60,486	
	PACIFIC GAS AND ELECTRIC CO4.950% 07/01/2050 DD 07/02/20	95,916	90,169	
	PACIFIC GAS AND ELECTRIC CO5.250% 03/01/2052 DD 02/18/22	108,675	99,594	
	PACIFIC GAS AND ELECTRIC CO6.700% 04/01/2053 DD 03/30/23	10,378	10,838	
	PACIFIC GAS AND ELECTRIC CO6.750% 01/15/2053 DD 01/06/23	124,718	138,609	
	PACIFICORP4.125% 01/15/2049 DD 07/13/18	54,877	42,737	
	PANAMA GOVERNMENT INTERNATIONAL4.500% 04/01/2056 DD 04/01/20	200,000	117,586	
	PANAMA GOVERNMENT INTERNATIONAL6.875% 01/31/2036 DD 10/04/23	199,996	187,514	
	PARAMOUNT GLOBAL4.375% 03/15/2043 DD 03/15/13	37,366	34,247	
	PARAMOUNT GLOBAL5.250% 04/01/2044 DD 03/11/14	57,077	54,447	
	PARAMOUNT GLOBAL5.850% 09/01/2043 DD 08/19/13	59,562	62,621	
	PECO ENERGY CO3.000% 09/15/2049 DD 09/10/19	34,712	22,860	
	PEPSICO INC5.250% 07/17/2054 DD 07/17/24	119,694	116,273	
	PERUVIAN GOVERNMENT INTERNATIONAL5.375% 02/08/2035	35,088	33,606	
	PERUVIAN GOVERNMENT INTERNATIONAL5.875% 08/08/2054	170,675	161,983	
	PFIZER INC3.900% 03/15/2039 DD 03/11/19	86,981	67,545	
	PFIZER INC4.125% 12/15/2046 DD 11/21/16	128,524	96,788	
	PFIZER INVESTMENT ENTERPRISES5.110% 05/19/2043 DD 05/19/23	148,151	141,012	
	PFIZER INVESTMENT ENTERPRISES5.300% 05/19/2053 DD 05/19/23	54,918	51,579	
	PFIZER INVESTMENT ENTERPRISES5.340% 05/19/2063 DD 05/19/23	102,960	96,541	
	PHILIP MORRIS INTERNATIONAL IN4.900% 11/01/2034 DD 11/01/24	87,916	86,506	
	PHILLIPS 663.300% 03/15/2052 DD 11/15/21	45,225	41,939	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	PUBLIC SERVICE CO OF COLORADO5.250% 04/01/2053 DD 04/03/23	\$ 29,789	\$ 27,888	
	PUBLIC SERVICE CO OF NEW HAMPS3.600% 07/01/2049 DD 06/28/19	39,253	32,763	
	PUGET SOUND ENERGY INC3.250% 09/15/2049 DD 08/30/19	58,032	40,148	
	PUGET SOUND ENERGY INC4.300% 05/20/2045 DD 05/26/15	60,439	36,807	
	QUALCOMM INC4.300% 05/20/2047 DD 05/26/17	79,835	57,095	
	QUALCOMM INC4.500% 05/20/2052 DD 05/09/22	107,603	92,367	
	QUALCOMM INC6.000% 05/20/2053 DD 11/09/22	16,125	15,693	
	REALTY INCOME CORP5.375% 09/01/2054 DD 08/26/24	19,675	19,016	
	REPUBLIC OF POLAND GOVERNMENT5.500% 03/18/2054 DD 03/18/24	74,131	69,129	
	REYNOLDS AMERICAN INC5.850% 08/15/2045 DD 06/12/15	71,474	61,985	
	RIO TINTO FINANCE USA LTD5.200% 11/02/2040 DD 11/02/10	53,707	43,430	
	RIO TINTO FINANCE USA PLC4.125% 08/21/2042 DD 08/21/12	24,553	20,938	
	RIO TINTO FINANCE USA PLC5.125% 03/09/2053 DD 03/09/23	192,034	180,714	
	ROGERS COMMUNICATIONS INC4.500% 03/15/2042 DD 03/15/23	64,348	54,933	
	ROYALTY PHARMA PLC3.300% 09/02/2040 DD 03/02/21	48,485	36,179	
	ROYALTY PHARMA PLC3.350% 09/02/2051 DD 07/26/21	229,278	149,408	
	ROYALTY PHARMA PLC3.550% 09/02/2050 DD 03/02/21	138,761	103,368	
	RTX CORP3.750% 11/01/2046 DD 11/01/16	163,421	128,478	
	RTX CORP4.050% 05/04/2047 DD 05/04/17	41,765	35,375	
	RTX CORP4.200% 12/15/2044 DD 06/15/20	180,293	115,662	
	RTX CORP4.625% 11/16/2048 DD 08/16/18	32,116	21,270	
	SALESFORCE INC2.900% 07/15/2051 DD 07/12/21	88,347	60,825	
	SAN DIEGO GAS & ELECTRIC CO3.700% 03/15/2052 DD 03/11/22	63,174	46,984	
	SAUDI ARABIAN OIL CO 144A5.875% 07/17/2064 DD 07/17/24	197,000	186,516	
	SEMPRA3.800% 02/01/2038 DD 01/12/18	173,368	152,971	
	SHELL FINANCE US INC3.250% 04/06/2050 DD 10/06/24	25,971	23,581	
	SHELL FINANCE US INC3.750% 09/12/2046 DD 09/12/24	28,884	26,324	
	SHELL FINANCE US INC4.000% 05/10/2046 DD 05/10/24	232,429	210,901	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations (Continued)				
	SHELL INTERNATIONAL FINANCE BV2.875% 11/26/2041 DD 11/26/21	\$ 117,658	\$ 91,978	
	SHELL INTERNATIONAL FINANCE BV3.000% 11/26/2051 DD 11/26/21	30,069	19,021	
	SHERWIN-WILLIAMS CO/THE4.500% 06/01/2047 DD 05/16/17	71,401	63,151	
	SIMON PROPERTY GROUP LP3.250% 09/13/2049 DD 09/13/19	69,721	47,097	
	SOUTHERN CALIFORNIA EDISON CO3.450% 02/01/2052 DD 01/13/22	64,782	44,028	
	SOUTHERN CALIFORNIA EDISON CO3.600% 02/01/2045 DD 01/16/15	168,469	129,388	
	SOUTHERN CALIFORNIA EDISON CO3.650% 02/01/2050 DD 01/09/20	134,896	93,006	
	SOUTHERN CALIFORNIA EDISON CO3.900% 03/15/2043 DD 03/07/13	11,794	9,469	
	SOUTHERN CALIFORNIA EDISON CO4.000% 04/01/2047 DD 03/24/17	78,929	69,341	
	SOUTHERN CALIFORNIA EDISON CO4.125% 03/01/2048 DD 03/05/18	16,191	15,588	
	SOUTHERN CALIFORNIA EDISON CO4.875% 03/01/2049 DD 03/15/19	22,948	21,879	
	SOUTHERN CALIFORNIA EDISON CO5.450% 06/01/2052 DD 05/23/22	54,661	51,747	
	SOUTHERN CALIFORNIA EDISON CO5.875% 12/01/2053 DD 05/22/23	81,348	79,578	
	SOUTHERN CALIFORNIA EDISON CO5.950% 02/01/2038 DD 01/22/08	61,845	51,216	
	SOUTHERN CALIFORNIA GAS CO3.950% 02/15/2050 DD 06/04/19	54,691	53,251	
	SOUTHERN CALIFORNIA GAS CO5.600% 04/01/2054 DD 03/18/24	54,383	53,920	
	SOUTHERN CO GAS CAPITAL CORP3.150% 09/30/2051 DD 09/10/21	49,557	32,348	
	SOUTHERN CO/THE4.400% 07/01/2046 DD 05/24/16	156,523	124,154	
	SOUTHWESTERN PUBLIC SERVICE CO3.150% 05/01/2050 DD 05/18/20	39,814	25,950	
	SPECTRA ENERGY PARTNERS LP4.500% 03/15/2045 DD 03/12/15	7,121	7,407	
	SUNCOR ENERGY INC3.750% 03/04/2051 DD 03/04/21	52,865	49,147	
	SUNCOR ENERGY INC6.800% 05/15/2038 DD 05/15/08	59,514	52,180	
	SUTTER HEALTH3.161% 08/15/2040 DD 10/29/20	70,000	52,441	
	SUTTER HEALTH3.361% 08/15/2050 DD 10/29/20	39,000	27,456	
	TAKEDA PHARMACEUTICAL CO LTD5.650% 07/05/2054 DD 07/05/24	224,033	217,361	

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations				
(Continued)				
	TAPESTRY INC	5.500% 03/11/2035 DD 12/11/24	\$ 69,905	\$ 68,065
	TARGA RESOURCES CORP	4.950% 04/15/2052 DD 04/06/22	102,352	88,679
	TARGA RESOURCES CORP	6.250% 07/01/2052 DD 07/07/22	34,676	34,977
	TEXAS INSTRUMENTS INC	5.050% 05/18/2063 DD 05/18/23	59,500	54,161
	TEXAS INSTRUMENTS INC	5.150% 02/08/2054 DD 02/08/24	34,720	32,835
	TIME WARNER CABLE LLC	5.500% 09/01/2041 DD 09/12/11	524,962	416,598
	T-MOBILE USA INC	3.000% 02/15/2041 DD 02/15/21	139,401	124,973
	T-MOBILE USA INC	4.375% 04/15/2040 DD 04/15/21	106,821	91,084
	T-MOBILE USA INC	5.250% 06/15/2055 DD 09/26/24	149,672	136,442
	T-MOBILE USA INC	5.650% 01/15/2053 DD 09/15/22	29,921	29,101
	TOTALENERGIES CAPITAL INTERNAT	2.986% 06/29/2041 DD 06/29/20	27,588	21,560
	TOTALENERGIES CAPITAL INTERNAT	3.386% 06/29/2060 DD 06/29/20	71,889	51,826
	TOTALENERGIES CAPITAL SA	5.275% 09/10/2054 DD 09/10/24	29,424	27,781
	TOTALENERGIES CAPITAL SA	5.425% 09/10/2064 DD 09/10/24	134,619	125,345
	TOTALENERGIES CAPITAL SA	5.488% 04/05/2054 DD 04/05/24	195,480	187,216
	TOTALENERGIES CAPITAL SA	5.638% 04/05/2064 DD 04/05/24	50,903	47,905
	TRANE TECHNOLOGIES FINANCING L	4.500% 03/21/2049 DD 03/21/19	65,401	51,527
	TRANE TECHNOLOGIES GLOBAL HOLD	4.300% 02/21/2048 DD 02/21/18	49,825	41,364
	TYSON FOODS INC	5.100% 09/28/2048 DD 09/28/18	39,762	39,987
	UNION ELECTRIC CO	4.000% 04/01/2048 DD 04/06/18	14,935	11,664
	UNION PACIFIC CORP	3.950% 08/15/2059 DD 08/05/19	19,841	14,565
	UNION PACIFIC CORP	4.100% 09/15/2067 DD 09/19/17	137,117	112,704
	UNITEDHEALTH GROUP INC	2.750% 05/15/2040 DD 05/18/20	24,271	17,689
	UNITEDHEALTH GROUP INC	2.900% 05/15/2050 DD 05/18/20	23,322	21,762
	UNITEDHEALTH GROUP INC	3.050% 05/15/2041 DD 05/19/21	78,756	65,117

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Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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	Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value
Corporate Obligations (Continued)				
	UNITEDHEALTH GROUP INC	3.500% 08/15/2039 DD 07/25/19	\$ 191,980	\$ 146,372
	UNITEDHEALTH GROUP INC	3.700% 08/15/2049 DD 07/25/19	77,975	54,640
	UNITEDHEALTH GROUP INC	3.750% 10/15/2047 DD 10/25/17	94,122	70,892
	UNITEDHEALTH GROUP INC	3.875% 08/15/2059 DD 07/25/19	14,928	10,632
	UNITEDHEALTH GROUP INC	4.250% 04/15/2047 DD 03/13/17	21,582	16,225
	UNITEDHEALTH GROUP INC	4.950% 05/15/2062 DD 05/20/22	49,510	43,161
	UNITEDHEALTH GROUP INC	5.375% 04/15/2054 DD 03/21/24	169,514	159,635
	UNITEDHEALTH GROUP INC	5.500% 04/15/2064 DD 03/21/24	219,492	205,913
	UNITEDHEALTH GROUP INC	5.500% 07/15/2044 DD 07/25/24	54,495	53,451
	UNITEDHEALTH GROUP INC	6.050% 02/15/2063 DD 10/28/22	22,061	20,449
	UNUM GROUP	4.500% 12/15/2049 DD 09/11/19	78,674	71,489
	VERIZON COMMUNICATIONS INC	4.812% 03/15/2039 DD 02/03/17	669,570	618,470
	VIRGINIA ELECTRIC AND POWER CO	2.950% 11/15/2051 DD 11/22/21	86,113	62,367
	VIRGINIA ELECTRIC AND POWER CO	4.625% 05/15/2052 DD 05/31/22	58,052	50,570
	VIRGINIA ELECTRIC AND POWER CO	4.650% 08/15/2043 DD 08/15/13	113,103	87,778
	VIRGINIA ELECTRIC AND POWER CO	5.450% 04/01/2053 DD 03/30/23	49,664	47,656
	VIRGINIA ELECTRIC AND POWER CO	5.550% 08/15/2054 DD 08/12/24	59,739	58,087
	VISA INC	4.300% 12/14/2045 DD 12/14/15	68,137	55,665
	VODAFONE GROUP PLC	5.750% 06/28/2054 DD 06/28/24	208,811	202,738
	WALMART INC	4.050% 06/29/2048 DD 06/27/18	46,618	45,246
	WALMART INC	4.500% 04/15/2053 DD 04/18/23	94,737	82,797
	WARNERMEDIA HOLDINGS INC	5.141% 03/15/2052 DD 03/15/23	269,306	223,962
	WARNERMEDIA HOLDINGS INC	5.391% 03/15/2062 DD 03/15/23	201,788	162,439
	WASTE MANAGEMENT INC	5.350% 10/15/2054 DD 11/04/24	144,941	139,507
	WELLS FARGO & CO	4.650% 11/04/2044 DD 11/04/14	450,203	357,174

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
Corporate Obligations				
(Continued)				
	WELLS FARGO & COVAR RT 01/23/2035 DD 01/23/24	\$ 24,988	\$ 24,929	
	WELLS FARGO & COVAR RT 04/04/2051 DD 03/30/20	49,210	40,001	
	WELLS FARGO & COVAR RT 04/25/2053 DD 04/25/22	44,780	41,871	
	WELLS FARGO & COVAR RT 07/25/2034 DD 07/25/23	365,000	364,438	
	WELLS FARGO & COVAR RT 10/23/2034 DD 10/23/23	192,135	201,877	
	WELLS FARGO & COVAR RT 12/03/2035 DD 12/03/24	100,000	97,319	
	WELLTOWER OP LLC6.500% 03/15/2041 DD 03/14/11	65,552	58,867	
	WHISTLER PIPELINE LLC 144A5.950% 09/30/2034 DD 08/05/24	134,672	135,416	
	WILLIAMS COS INC/THE5.800% 11/15/2043 DD 11/15/13	50,114	43,971	
	WILLIAMS COS INC/THE6.300% 04/15/2040 DD 02/09/10	71,268	64,604	
Total Corporate Obligations		50,036,958	42,678,792	
U.S. Government Obligations				
	U S TREASURY BD PRIN STRIP0.000% 02/15/2040 DD 02/16/10	2,667,745	2,419,753	
	U S TREASURY BD PRIN STRIP0.000% 02/15/2046 DD 02/16/16	632,059	555,985	
	U S TREASURY BD PRIN STRIP0.000% 08/15/2043 DD 08/15/13	4,443,816	3,824,834	
	U S TREASURY BD PRIN STRIP0.000% 08/15/2052 DD 08/15/22	932,843	699,975	
	U S TREASURY BD PRIN STRIP0.000% 11/15/2048 DD 11/15/18	365,221	349,664	
	U S TREASURY BOND1.625% 11/15/2050 DD 11/15/20	1,042,083	697,377	
	U S TREASURY BOND1.875% 02/15/2051 DD 02/15/21	1,866,812	1,264,640	
	U S TREASURY BOND1.875% 11/15/2051 DD 11/15/21	3,125,988	2,127,433	
	U S TREASURY BOND2.250% 02/15/2052 DD 02/15/22	1,356,674	1,062,845	
	U S TREASURY BOND2.875% 05/15/2052 DD 05/15/22	650,246	561,841	
	U S TREASURY BOND3.000% 02/15/2047 DD 02/15/17	5,344,606	4,006,530	
	U S TREASURY BOND3.000% 02/15/2048 DD 02/15/18	4,996,351	2,879,514	
	U S TREASURY BOND3.000% 02/15/2049 DD 02/15/19	984,029	593,833	
	U S TREASURY BOND3.000% 05/15/2047 DD 05/15/17	21,900,765	15,952,798	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
 EIN: 13-4922641 Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)	(e)
Identity of Issuer, Borrower, Lessor, or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par, or Maturity Value	Cost	Current Value	
U.S. Government Obligations (Continued)				
	U S TREASURY BOND3.000% 08/15/2048 DD 08/15/18	\$ 1,493,608	\$ 950,833	
	U S TREASURY BOND3.000% 08/15/2052 DD 08/15/22	2,193,870	1,872,958	
	U S TREASURY BOND3.375% 11/15/2048 DD 11/15/18	785,168	715,667	
	U S TREASURY BOND4.125% 08/15/2053 DD 08/15/23	397,712	376,487	
	U S TREASURY NOTE3.375% 05/15/2033 DD 05/15/23	825,986	804,178	
	U S TREASURY NOTE4.000% 02/15/2034 DD 02/15/24	4,847,874	4,790,573	
	U S TREASURY NOTE4.250% 11/15/2034 DD 11/15/24	1,911,720	1,885,116	
	U S TREASURY NOTE4.500% 11/15/2033 DD 11/15/23	1,000,512	950,827	
	US TREAS-CPI INFLAT1.375% 02/15/2044 DD 02/15/14	924,826	918,517	
Total U.S. Government Obligations		64,690,514	50,262,178	
Total 401(h) Investments		226,632,157	234,386,781	
Total Investments		\$3,830,573,537	\$3,882,355,923	

* A party-in-interest, as defined by ERISA.

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	ABBVIE INC3.200% 11/21/2029 DD 05/21/20	\$ (486,246)	\$ 491,735
	AERCAP IRELAND CAPITAL DAC / AVAR RT 03/10/2055 DD 07/11/24	(340,000)	343,060
	AMAZON.COM INC3.150% 08/22/2027 DD 02/22/18	(430,089)	434,560
	AMERICAN EXPRESS COVAR RT 04/25/2030 DD 04/25/24	(376,295)	378,834
	AMERICAN EXPRESS COVAR RT 07/26/2028 DD 07/26/24	(250,000)	253,394
	ANGLO AMERICAN CAPITAL PL 144A5.750% 04/05/2034 DD 04/05/24	(698,187)	712,789
	APACHE CORP5.100% 09/01/2040 DD 08/20/10	(308,488)	311,142
	ASTRAZENECA FINANCE LLC4.800% 02/26/2027 DD 02/26/24	(464,219)	463,419
	ASTRAZENECA FINANCE LLC4.850% 02/26/2029 DD 02/26/24	(1,047,368)	1,043,594
	AUTOMATIC DATA PROCESSING INC4.450% 09/09/2034 DD 09/09/24	(99,641)	100,224
	BAE SYSTEMS PLC 144A5.250% 03/26/2031 DD 03/26/24	(1,602,516)	1,613,676
	BGC GROUP INC 144A6.600% 06/10/2029 DD 06/10/24	(166,668)	167,592
	BGC GROUP INC6.600% 06/10/2029 DD 06/10/24	(81,920)	83,657
	BMW US CAPITAL LLC 144A4.900% 04/02/2029 DD 04/02/24	(798,880)	791,888
	BPCE SA 144AVAR RT 05/30/2035 DD 05/30/24	(644,180)	646,531
	BANK OF AMERICA CORPVAR RT 10/01/2025 DD 09/18/17	(2,125,447)	2,134,912
	BANK OF AMERICA CORPVAR RT 08/15/2035 DD 08/15/24	(70,771)	69,610
	BANK OF IRELAND GROUP PLC 144AVAR RT 03/20/2030 DD 03/20/24	(1,022,136)	1,027,669
	BANK OF NEW YORK MELLON CORP/TVAR RT 03/14/2030 DD 03/14/24	(310,000)	307,678
	BANK OF NEW YORK MELLON CORP/TVAR RT 03/14/2035 DD 03/14/24	(555,236)	542,562
	BERRY GLOBAL INC 144A5.650% 01/15/2034 DD 01/17/24	(358,970)	361,300
	BOEING CO/THE 144A6.388% 05/01/2031 DD 05/01/24	(950,000)	966,174
	BOEING CO/THE 144A6.528% 05/01/2034 DD 05/01/24	(415,000)	418,565
	BOEING CO/THE 144A6.858% 05/01/2054 DD 05/01/24	(485,000)	513,663
	BOEING CO/THE 144A7.008% 05/01/2064 DD 05/01/24	(1,410,000)	1,532,476
	BRIGHTHOUSE FINANCIAL GLO 144A5.550% 04/09/2027 DD 04/11/24	(670,096)	674,225
	BRIGHTHOUSE FINANCIAL GLO 144A5.650% 06/10/2029 DD 06/10/24	(618,222)	625,312

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	CI FINANCIAL CORP 144A7.500% 05/30/2029 DD 05/30/24	\$ (504,798)	\$ 507,270
	CAIXABANK SA 144AVAR RT 03/15/2030 DD 03/15/24	(693,276)	700,301
	CAIXABANK SA 144AVAR RT 06/15/2035 DD 03/15/24	(271,958)	270,084
	CANADIAN IMPERIAL BANK OF COMM6.092% 10/03/2033 DD 10/03/23	(789,919)	788,443
	CAPITAL ONE FINANCIAL CORPVAR RT 11/02/2032 DD 11/02/21	(131,743)	134,181
	CAPITAL ONE FINANCIAL CORPVAR RT 06/08/2034 DD 06/08/23	(61,744)	61,269
	CAPITAL ONE FINANCIAL CORPVAR RT 02/01/2035 DD 02/01/24	(1,015,000)	1,054,251
	CAPITAL ONE FINANCIAL CORPVAR RT 07/26/2035 DD 07/26/24	(85,108)	89,385
	CARRIER GLOBAL CORP2.722% 02/15/2030 DD 08/15/20	(151,866)	154,592
	CHENIERE ENERGY PARTNERS LP5.950% 06/30/2033 DD 12/30/23	(578,689)	587,917
	CISCO SYSTEMS INC4.800% 02/26/2027 DD 02/26/24	(334,565)	334,879
	CISCO SYSTEMS INC4.850% 02/26/2029 DD 02/26/24	(494,827)	495,287
	CITIGROUP INCVAR RT 06/03/2031 DD 06/03/20	(85,599)	83,980
	CITIGROUP INCVAR RT 11/03/2032 DD 11/03/21	(129,917)	129,086
	CITIGROUP INCVAR RT 02/13/2035 DD 02/13/24	(635,041)	640,321
	CITIGROUP INCVAR RT 09/19/2030 DD 09/19/24	(200,000)	199,676
	CITIZENS FINANCIAL GROUP INCVAR RT 01/23/2030 DD 01/23/24	(385,000)	384,307
	COCA-COLA CONSOLIDATED INC5.250% 06/01/2029 DD 05/29/24	(490,832)	499,143
	COMCAST CORP5.650% 06/01/2054 DD 05/22/24	(527,636)	544,013
	COMERICA INCVAR RT 01/30/2030 DD 01/30/24	(1,187,500)	1,193,408
	COMMONSPIRIT HEALTH5.205% 12/01/2031 DD 03/20/24	(605,000)	595,662
	COMMONWEALTH EDISON CO5.300% 06/01/2034 DD 05/13/24	(318,854)	322,000
	CONSTELLATION ENERGY GENERATIO5.750% 03/15/2054 DD 03/15/24	(659,347)	641,164
	CORNELL UNIVERSITY4.835% 06/15/2034 DD 04/11/24	(316,311)	317,365
	COX COMMUNICATIONS INC 144A5.800% 12/15/2053 DD 01/19/24	(614,520)	596,936

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	COX COMMUNICATIONS INC 144A5.450% 09/01/2034 DD 08/20/24	\$ (169,400)	\$ 167,039
	COX COMMUNICATIONS INC 144A5.950% 09/01/2054 DD 08/20/24	(344,558)	327,954
	CREDIT AGRICOLE SA 144AVAR RT 01/10/2035 DD 01/10/24	(815,622)	823,657
	CREDIT AGRICOLE SA 144AVAR RT 10/03/2029 DD 10/03/23	(228,485)	225,073
	UBS GROUP AG 144AVAR RT 04/01/2031 DD 04/01/20	(158,268)	163,288
	DIDI GLOBAL INCADR	(810,869)	798,121
	DAIMLER TRUCK FINANCE NOR 144A5.000% 01/15/2027 DD 01/18/24	(718,798)	724,691
	DIAMONDBACK ENERGY INC5.200% 04/18/2027 DD 04/18/24	(309,540)	311,757
	DIAMONDBACK ENERGY INC5.400% 04/18/2034 DD 04/18/24	(169,454)	167,965
	DOMINION ENERGY INCVAR RT 06/01/2054 DD 05/20/24	(450,000)	475,133
	DUKE ENERGY CORPVAR RT 09/01/2054 DD 08/22/24	(250,000)	258,125
	ERAC USA FINANCE LLC 144A5.000% 02/15/2029 DD 02/08/24	(689,476)	690,856
	ENERGY TRANSFER LP5.550% 05/15/2034 DD 01/25/24	(249,150)	249,180
	ENGIE SA 144A5.250% 04/10/2029 DD 04/10/24	(548,092)	552,222
	META PLATFORMS INC4.300% 08/15/2029 DD 08/09/24	(179,653)	180,997
	FIFTH THIRD BANCORPVAR RT 01/29/2032 DD 01/29/24	(1,253,207)	1,267,431
	GA GLOBAL FUNDING TRUST 144A5.500% 01/08/2029 DD 01/08/24	(333,054)	334,072
	GA GLOBAL FUNDING TRUST 144A4.400% 09/23/2027 DD 09/23/24	(149,913)	148,490
	HALEON US CAPITAL LLC3.375% 03/24/2029 DD 09/24/22	(250,709)	248,940
	GLOBAL ATLANTIC FIN CO 144A4.400% 10/15/2029 DD 10/07/19	(244,261)	243,776
	GLOBAL ATLANTIC FIN CO 144A3.125% 06/15/2031 DD 06/17/21	(453,071)	464,987
	GLOBAL ATLANTIC FIN CO 144A6.750% 03/15/2054 DD 03/15/24	(99,326)	97,138
	GOLDMAN SACHS GROUP INC/THEVAR RT 07/23/2030 DD 07/23/24	(89,894)	90,010
	GOLDMAN SACHS GROUP INC/THEVAR RT 10/23/2030 DD 10/23/24	(165,000)	162,730
	GOLDMAN SACHS BANK USA/NEW YORVAR RT 03/18/2027 DD 03/18/24	(389,983)	389,566
	HEALTH CARE SERVICE CORP 144A5.200% 06/15/2029 DD 06/10/24	(874,125)	881,811

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	HONEYWELL INTERNATIONAL INC4.875% 09/01/2029 DD 03/01/24	\$ (205,000)	\$ 204,887
	HONEYWELL INTERNATIONAL INC4.700% 02/01/2030 DD 08/01/24	(184,841)	188,847
	HUNTINGTON BANCSHARES INC/OHVAR RT 02/02/2035 DD 02/02/24	(988,550)	1,010,634
	HUNTINGTON INGALLS INDUSTRIES4.200% 05/01/2030 DD 11/01/20	(1,163,314)	1,181,605
	HYUNDAI CAPITAL AMERICA 144A5.250% 01/08/2027 DD 01/08/24	(433,464)	435,726
	ICON INVESTMENTS SIX DAC5.809% 05/08/2027 DD 05/08/24	(310,000)	313,416
	ICON INVESTMENTS SIX DAC5.849% 05/08/2029 DD 05/08/24	(1,160,264)	1,182,927
	INDONESIA GOVERNMENT INTERNATI5.150% 09/10/2054 DD 09/10/24	(868,394)	869,645
	INTEL CORP5.600% 02/21/2054 DD 02/21/24	(249,243)	246,654
	INTEL CORP5.000% 02/21/2031 DD 02/21/24	(169,376)	169,993
	JPMORGAN CHASE & COVAR RT 05/06/2030 DD 05/06/19	(304,346)	308,694
	JPMORGAN CHASE & COVAR RT 07/25/2028 DD 07/25/22	(60,141)	60,115
	JPMORGAN CHASE & COVAR RT 04/22/2030 DD 04/22/24	(845,159)	856,981
	JPMORGAN CHASE & COVAR RT 10/22/2028 DD 10/22/24	(345,000)	342,317
	JACKSON NATIONAL LIFE GLO 144A4.600% 10/01/2029 DD 10/01/24	(159,760)	158,346
	KEURIG DR PEPPER INC5.100% 03/15/2027 DD 03/07/24	(294,628)	293,218
	KOREA EXPRESSWAY CORP 144A5.000% 05/14/2027 DD 05/14/24	(208,732)	208,893
	LG ELECTRONICS INC 144A5.625% 04/24/2029 DD 04/24/24	(357,577)	364,043
	LPL HOLDINGS INC5.700% 05/20/2027 DD 05/20/24	(159,939)	160,322
	LPL HOLDINGS INC6.000% 05/20/2034 DD 05/20/24	(198,459)	205,844
	LSEG US FIN CORP 144A5.297% 03/28/2034 DD 03/28/24	(240,000)	240,869
	M&T BANK CORPVAR RT 03/13/2032 DD 03/13/24	(175,000)	172,863
	WARNERMEDIA HOLDINGS INC4.054% 03/15/2029 DD 03/15/23	(930,852)	916,883
	WARNERMEDIA HOLDINGS INC4.279% 03/15/2032 DD 03/15/23	(1,050,208)	1,051,263
	WARNERMEDIA HOLDINGS INC5.050% 03/15/2042 DD 03/15/23	(232,377)	239,328

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	MASSMUTUAL GLOBAL FUNDING 144A5.100% 04/09/2027 DD 04/09/24	\$ (419,874)	\$ 418,193
	MASSMUTUAL GLOBAL FUNDING 144A5.150% 05/30/2029 DD 05/30/24	(249,793)	248,123
	MIZUHO FINANCIAL GROUP INCVAR RT 09/13/2030 DD 09/13/19	(671,325)	685,300
	MIZUHO FINANCIAL GROUP INCVAR RT 05/25/2031 DD 02/25/20	(73,355)	75,477
	MIZUHO FINANCIAL GROUP INCVAR RT 05/22/2032 DD 02/22/21	(335,310)	335,801
	MIZUHO FINANCIAL GROUP INCVAR RT 05/27/2029 DD 02/27/23	(157,423)	157,892
	MIZUHO FINANCIAL GROUP INCVAR RT 05/26/2030 DD 02/26/24	(645,819)	648,042
	MIZUHO FINANCIAL GROUP INCVAR RT 05/26/2035 DD 02/26/24	(306,243)	313,138
	MIZUHO FINANCIAL GROUP INCVAR RT 07/10/2035 DD 07/10/24	(716,546)	727,235
	MORGAN STANLEY BANK NAVAR RT 07/14/2028 DD 07/19/24	(770,280)	773,675
	MORGAN STANLEYVAR RT 04/20/2029 DD 04/21/23	(299,675)	303,891
	MORGAN STANLEYVAR RT 01/16/2030 DD 01/18/24	(600,000)	601,770
	MORGAN STANLEYVAR RT 04/18/2030 DD 04/19/24	(1,090,000)	1,105,554
	MORGAN STANLEYVAR RT 07/19/2035 DD 07/19/24	(285,627)	286,714
	MORGAN STANLEYVAR RT 10/18/2030 DD 10/18/24	(115,000)	113,248
	MUTUAL OF OMAHA COS GLOBA 144A5.350% 04/09/2027 DD 04/09/24	(279,469)	281,280
	NATIONAL AUSTRALIA BANK L 144A5.181% 06/11/2034 DD 06/11/24	(110,646)	108,826
	NATWEST MARKETS PLC 144A5.416% 05/17/2027 DD 05/17/24	(641,314)	648,869
	NETFLIX INC 144A5.375% 11/15/2029 DD 04/29/19	(1,020,830)	998,400
	NEW YORK LIFE GLOBAL FUND 144A5.000% 01/09/2034 DD 01/09/24	(244,980)	243,138
	NEWMONT CORP / NEWCREST F 144A5.300% 03/15/2026 DD 03/07/24	(794,865)	795,580
	NEXTERA ENERGY CAPITAL HOLDINGVAR RT 06/15/2054 DD 06/07/24	(560,000)	582,400
	NORTHERN NATURAL GAS CO 144A5.625% 02/01/2054 DD 01/31/24	(229,966)	223,834
	NORTHWESTERN MUTUAL GLOBA 144A5.070% 03/25/2027 DD 03/25/24	(299,967)	299,433
	ONCOR ELECTRIC DELIVERY CO LLC5.650% 11/15/2033 DD 11/13/23	(310,077)	308,384
	PROVINCE OF ONTARIO CANADA4.200% 01/18/2029 DD 01/18/24	(622,353)	623,683

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	OTIS WORLDWIDE CORP2.565% 02/15/2030 DD 08/15/20	\$ (76,340)	\$ 76,318
	PNC FINANCIAL SERVICES GROUP IVAR RT 07/23/2035 DD 07/23/24	(145,000)	148,148
	PANAMA GOVERNMENT INTERNATIONAL7.875% 03/01/2057 DD 02/29/24	(370,626)	426,281
	PERUVIAN GOVERNMENT INTERNATIO5.875% 08/08/2054 DD 08/08/24	(469,777)	495,330
	PHILLIPS EDISON GROCERY CENTER5.750% 07/15/2034 DD 05/13/24	(580,662)	584,632
	PRINCIPAL LIFE GLOBAL FUN 144A5.100% 01/25/2029 DD 01/25/24	(806,317)	812,333
	PRINCIPAL LIFE GLOBAL FUN 144A4.600% 08/19/2027 DD 08/19/24	(192,320)	192,894
	PRUDENTIAL FINANCIAL INCVAR RT 03/15/2054 DD 03/11/24	(300,000)	296,970
	PROVINCE OF QUEBEC CANADA4.500% 04/03/2029 DD 04/03/24	(376,139)	379,789
	REGENCY CENTERS LP5.250% 01/15/2034 DD 01/18/24	(256,808)	256,165
	RGA GLOBAL FUNDING 144A5.500% 01/11/2031 DD 01/11/24	(224,098)	224,047
	RGA GLOBAL FUNDING 144A5.448% 05/24/2029 DD 05/24/24	(410,000)	412,474
	ROCHE HOLDINGS INC 144A2.076% 12/13/2031 DD 12/13/21	(130,493)	130,805
	ROCHE HOLDINGS INC 144A5.338% 11/13/2028 DD 11/13/23	(233,942)	234,326
	ROCHE HOLDINGS INC 144A4.985% 03/08/2034 DD 03/08/24	(655,000)	654,935
	ROMANIAN GOVERNMENT INTER 144A6.375% 01/30/2034 DD 01/30/24	(719,931)	741,748
	ROYAL BANK OF CANADA5.150% 02/01/2034 DD 01/19/24	(298,495)	294,363
	ROYAL BANK OF CANADAVAR RT 10/18/2030 DD 10/18/24	(160,000)	159,219
	ROYALTY PHARMA PLC5.900% 09/02/2054 DD 06/10/24	(297,732)	319,202
	SMBC AVIATION CAPITAL FIN 144A5.550% 04/03/2034 DD 04/03/24	(997,120)	1,024,800
	SANTANDER HOLDINGS USA INCVAR RT 01/06/2028 DD 01/06/22	(266,948)	270,409
	SANTANDER HOLDINGS USA INCVAR RT 05/31/2027 DD 05/31/24	(255,000)	255,900
	SAUDI GOVERNMENT INTERNAT 144A5.750% 01/16/2054 DD 01/16/24	(1,321,614)	1,371,398
	SMURFIT KAPPA TREASURY UL 144A5.200% 01/15/2030 DD 04/03/24	(199,760)	198,372
	SMURFIT KAPPA TREASURY UL 144A5.777% 04/03/2054 DD 04/03/24	(595,000)	596,214
	SOLVAY FINANCE AMERICA LL 144A5.650% 06/04/2029 DD 06/04/24	(413,200)	416,503

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	SOLVENTUM CORP 144A5.450% 02/25/2027 DD 02/27/24	\$ (374,951)	\$ 376,898
	SOLVENTUM CORP 144A5.450% 03/13/2031 DD 02/27/24	(80,979)	80,839
	SOLVENTUM CORP 144A5.600% 03/23/2034 DD 02/27/24	(418,391)	421,526
	SOLVENTUM CORP 144A5.900% 04/30/2054 DD 02/27/24	(1,224,773)	1,214,314
	STATE STREET CORPVAR RT 02/20/2029 DD 08/20/24	(85,000)	84,626
	SWISS RE SUBORDINATED FIN 144AVAR RT 04/05/2035 DD 04/05/24	(400,252)	399,472
	SYNCHRONY FINANCIALVAR RT 08/02/2030 DD 08/02/24	(105,000)	107,217
	TAMPA ELECTRIC CO4.900% 03/01/2029 DD 01/30/24	(479,674)	481,445
	TOYOTA MOTOR CREDIT CORP4.800% 01/05/2034 DD 01/05/24	(811,444)	798,390
	TRUIST FINANCIAL CORPVAR RT 10/30/2029 DD 10/27/23	(1,190,414)	1,189,333
	TRUIST FINANCIAL CORPVAR RT 01/24/2030 DD 01/24/24	(697,750)	698,350
	TRUIST FINANCIAL CORPVAR RT 01/24/2035 DD 01/24/24	(938,373)	930,660
	UBS GROUP AG 144AVAR RT 02/08/2035 DD 01/08/24	(654,948)	653,408
	UBS GROUP AG 144AVAR RT 09/13/2030 DD 05/13/24	(564,763)	565,836
	MEXICO GOVERNMENT INTERNATIONAL6.350% 02/09/2035 DD 01/09/23	(437,525)	435,329
	US BANCORPVAR RT 01/23/2030 DD 01/23/24	(270,000)	271,442
	US BANCORPVAR RT 01/23/2035 DD 01/23/24	(520,090)	523,467
	VERISK ANALYTICS INC5.250% 06/05/2034 DD 06/05/24	(186,899)	189,236
	VODAFONE GROUP PLC5.875% 06/28/2064 DD 06/28/24	(629,225)	623,868
	VOLKSWAGEN GROUP OF AMERI 144A4.850% 08/15/2027 DD 08/15/24	(133,843)	133,665
	WELLS FARGO & COVAR RT 06/17/2027 DD 06/17/19	(295,670)	298,769
	WELLS FARGO & COVAR RT 01/23/2030 DD 01/23/24	(430,000)	427,722
	WELLS FARGO & COVAR RT 04/22/2028 DD 04/22/24	(460,000)	461,357
	XCEL ENERGY INC5.500% 03/15/2034 DD 02/29/24	(237,533)	238,906
	US TREAS-CPI INFLAT FWD0.25% 02/15/2050 DD 02/15/20	(2,986,659)	2,937,105
	US 10YR ULTRA FUTURE (CBT)EXP JUN 24	-	689,494
	US 10YR ULTRA FUTURE (CBT)EXP SEP 24	-	(1,545,308)

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

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December 31, 2024

(a) Identity of Issuer, Borrower, Lessor or Similar Party	(b) Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	(c) Cost of Acquisitions	(d) Proceeds of Dispositions
	US 10YR ULTRA FUTURE (CBT)EXP DEC 24	\$ -	\$ (10,490)
	US LONG BOND FUTURE (CBT)EXP JUN 24	-	293,474
	US TREAS BD FUTURE (CBT)EXP SEP 24	-	(744,129)
	US TREAS BD FUTURE (CBT)EXP DEC 24	-	1,505,852
	US 10YR NOTE FUTURE (CBT)EXP JUN 24	-	41,712
	US 10YR NOTE FUTURE (CBT)EXP SEP 24	-	(195,221)
	US 10YR TREAS NTS FUTURE (CBT)EXP DEC 24	-	291,176
	US 5YR NOTE FUTURE (CBT)EXP JUN 24	-	(1,133,367)
	US 5YR NOTE FUTURE (CBT)EXP SEP 24	-	2,934,568
	US 5YR TREAS NTS FUTURE (CBT)EXP DEC 24	-	(2,075,688)
	US 2YR NOTE FUTURE (CBT)EXP JUN 24	-	(166,453)
	US 2YR NOTE FUTURE (CBT)EXP SEP 24	-	451,650
	US 2YR TREAS NTS FUT (CBT)EXP DEC 24	-	(263,453)
	US ULTRA BOND (CBT)EXP JUN 24	-	(1,152,612)
	US ULTRA BOND FUTURE (CBT)EXP SEP 24	-	5,803,070
	US ULTRA BOND FUTURE (CBT)EXP DEC 24	-	(8,076,941)
	US TREAS INFLAT INDEXED BD FWD0.250% 02/15/2050 DD 02/15/20	(3,162,475)	3,112,693
	US TREAS INFLAT INDEXED BONDS0.250% 02/15/2050 DD 02/28/20	(3,125,322)	3,042,116
	US TREAS INFLAT INDEXED BONDS0.250% 02/15/2050 DD 02/15/20	(3,053,870)	3,079,266
	US TREAS INFLAT INDEXED BONDS0.250% 02/15/2050 DD 02/28/20	(3,087,026)	2,980,481
	US TREAS INFLAT INDEXED BD FWD0.250% 02/15/2050 DD 02/15/20	(2,949,817)	2,982,536
	BRIGADE CREDIT OFFSHORE FUNDII LTD A RU21	(2,872,189)	2,872,189
	BAWAG GROUP AG	(980,954)	979,361
	AZELIS GROUP NV	(1,450,900)	1,401,995
	FUCHS SE	(1,269,667)	1,252,007
	DASSAULT AVIATION SA	(1,568,127)	1,528,521
	STELLANTIS NV	(1,765,165)	1,705,161
	EXOR NV	(74,690)	48,293
	MOONPIG GROUP PLC	(1,340,059)	1,520,199
	FEVERTREE DRINKS PLC	(987,830)	813,179
	RASPBERRY PI HOLDINGS PLC	(335,223)	429,149
	ON THE BEACH GROUP PLC	(1,353,918)	1,630,884
	SMURFIT WESTROCK PLC	(530,849)	528,991
	MEDIATEK INC	(1,268,077)	1,369,287
	ALCHIP TECHNOLOGIES LTD	(2,305,837)	2,503,424
	CAFE DE CORAL HOLDINGS LTD HK/00341	(1,373,033)	1,331,733
	CHINA OVERSEAS GRAND OCEANS GRHK/00081	(1,240,126)	1,226,344
	JEOL LTD	(2,144,553)	1,967,103
	COSMOS PHARMACEUTICAL CORP	(1,088,809)	1,008,086
	BANDAI NAMCO HOLDINGS INC	(1,495,859)	1,397,144
	NEXON CO LTD	(1,520,965)	1,337,003

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year)

EIN: 13-4922641

Plan Number: 001

December 31, 2024

(a)	(b)	(c)	(d)
Identity of Issuer, Borrower, Lessor or Similar Party	Description of Investment, Including Maturity Date, Rate of Interest, Collateral, Par or Maturity Value	Cost of Acquisitions	Proceeds of Dispositions
	AMBEV SA	\$ (2,090,260)	\$ 2,033,997
	HOLDING BURSATIL REGIONAL SA	-	208,551
	GRUPO TRAXION SAB DE CV	(1,853,106)	1,716,946
	KALMAR OYJ	(1,408,836)	1,481,510
Total Assets Acquired and Disposed of Within Year		\$(134,657,907)	\$131,724,595

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 32
Schedule of Amortization Bases
as of January 1, 2024

Type of Base	Date Established	Initial Amount	Remaining Amortization Period (Years)	Outstanding Balance	Amortization Payment
Shortfall	01/01/2024	22,502,442	15.00000	22,502,442	2,047,279
Shortfall	01/01/2023	786,203,125	14.00000	754,389,467	72,001,041
Total				776,891,909	74,048,320

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 24 Change in Actuarial Assumptions

The cash balance interest crediting rate decreased from 4.25% to 4.00%.

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2024