

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2021 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☒ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II	Basic Plan Information—enter all requested information										
1a Name of plan <u>AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN</u> 2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>AMERICAN ELECTRIC POWER SERVICE CORPORATION</u> <u>1 RIVERSIDE PLAZA</u> <u>COLUMBUS, OH 43215</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;"><u>001</u></td> </tr> <tr> <td colspan="2">1c Effective date of plan <u>12/01/1940</u></td> </tr> <tr> <td colspan="2">2b Employer Identification Number (EIN) <u>13-4922641</u></td> </tr> <tr> <td colspan="2">2c Plan Sponsor's telephone number <u>614-716-1000</u></td> </tr> <tr> <td colspan="2">2d Business code (see instructions) <u>221100</u></td> </tr> </table>	1b Three-digit plan number (PN) ▶	<u>001</u>	1c Effective date of plan <u>12/01/1940</u>		2b Employer Identification Number (EIN) <u>13-4922641</u>		2c Plan Sponsor's telephone number <u>614-716-1000</u>		2d Business code (see instructions) <u>221100</u>	
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2c Plan Sponsor's telephone number <u>614-716-1000</u>											
2d Business code (see instructions) <u>221100</u>											

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	08/01/2023	JULIE A. SHERWOOD
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2021)
v. 210624

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 34705
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 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) 16478 6a(2) 15837 6b 11036 6c 3418 6d 30291 6e 3354 6f 33645 6g 6h 152
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
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☒ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ <u>0</u> A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2021 Form M-1 annual report. If the plan was not required to file the 2021 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE 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 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

► **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 <u>AMERICAN ELECTRIC POWER SYSTEM RETIREMENT PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>AMERICAN ELECTRIC POWER SERVICE CORPORATION</u>	D Employer Identification Number (EIN) <u>13-4922641</u>	
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B ☐ Other		
F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500		

Part I	Basic Information		
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2021</u>			
2 Assets:			
a Market value	2a	<u>5568922523</u>	
b Actuarial value	2b	<u>5344895686</u>	
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.....	<u>14698</u>	<u>2242459575</u>	<u>2242459575</u>
b For terminated vested participants.....	<u>3529</u>	<u>256609966</u>	<u>256609966</u>
c For active participants	<u>16478</u>	<u>1597380783</u>	<u>1610718212</u>
d Total.....	<u>34705</u>	<u>4096450324</u>	<u>4109787753</u>
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	<u>5.49</u> %	
6 Target normal cost.....			
a Present value of current plan year accruals.....	6a	<u>90843841</u>	
b Expected plan-related expenses	6b	<u>8871403</u>	
c Total (line 6a + line 6b)	6c	<u>99715244</u>	

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	<u>09/29/2022</u> Signature of actuary <u>JOSEPH A PERKO</u> Type or print name of actuary <u>WILLIS TOWERS WATSON US LLC</u> Firm name <u>1001 LAKESIDE AVENUE</u> <u>SUITE 1500</u> <u>CLEVELAND, OH 44114-1172</u> Address of the firm	<u>20-06491</u> Date <u>216-937-4204</u> Most recent enrollment number <u>216-937-4204</u> Telephone number (including area code)
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If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

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

Schedule SB (Form 5500) 2021
v. 201209

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)	195205896	844335452
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	101389545	0
9 Amount remaining (line 7 minus line 8)	93816351	844335452
10 Interest on line 9 using prior year's actual return of <u>16.80</u> %	15761147	141848356
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>5.25</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	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	109577498	986183808

Part III Funding Percentages

14 Funding target attainment percentage	14	103.39 %
15 Adjusted funding target attainment percentage	15	130.05 %
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	99.40 %
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
Totals ▶			18(b)	0	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	0

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

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 4.75 %	2nd segment: 5.36 %	3rd segment: 6.11 %	☐ 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 Is the plan required to provide a Schedule of Active Participants? 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	99715244	
b Excess assets, if applicable, but not greater than line 31a	31b	99715244	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	0	0	
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	0	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	0	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	0	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances.....	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:	
a Schedule elected	☐ 2 plus 7 years ☐ 15 years
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

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
		2021
		This Form is Open to Public Inspection.

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan 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
JP MORGAN CHASE BANK
13-4994650

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

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

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

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	1393171	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

MORNEAU SHEPELL

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	1362355	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(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	1319010	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)

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?
25 50 51	NONE	1114804	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(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	1092870	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

WELLINGTON

04-2683227

(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	1074742	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)

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	1067503	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	NONE	992738	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

RIVER & MERCANTILE

04-3513306

(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	982274	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)

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	961085	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(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	937149	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	476875	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)

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	376764	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

STONE HARBOR INVESTMENT PARTNERS LP

31 WEST 52ND STREET, 16TH FLOOR
NEW YORK, NY 10019

(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	350228	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

MELLON CAPITAL MANAGEMENT

25-1442864

(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	321678	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 HEWITT

98-1090818

(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	229716	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

TOWERS WATSON ACTUARY SERVICE

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	122642	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

BUSINESS SOLVER

42-1503807

(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	60530	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)

PRICE WATERHOUSE COOPERS

13-4008324

(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 50 70	NONE	43575	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

BDO USA, P.A.

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	33675	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

Part I Service Provider Information (continued)

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

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

Part II Service Providers Who Fail or Refuse to Provide Information

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

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

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

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection.
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

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

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>CPTF SPECIAL SITUATION PROPERTY</u>		
b Name of sponsor of entity listed in (a): <u>JP MORGAN CHASE BANK, N.A.</u>		
c EIN-PN <u>13-3980309-001</u>	d Entity code <u>C</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>BNYM MELON DB SL ACWI FUND</u>		
b Name of sponsor of entity listed in (a): <u>THE BANK OF NEW YORK MELLON</u>		
c EIN-PN <u>25-6078093-191</u>	d Entity code <u>C</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>563569760</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>OHA STRATEGIC CREDIT FUND II</u>		
b Name of sponsor of entity listed in (a): <u>OAK HILL ADVISORS</u>		
c EIN-PN <u>13-4077194-000</u>	d Entity code <u>E</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>5677275</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>CPTF LONG DURATION INVESTMENT GRADE</u>		
b Name of sponsor of entity listed in (a): <u>JP MORGAN CHASE BANK, N.A.</u>		
c EIN-PN <u>26-0199869-001</u>	d Entity code <u>C</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>157428630</u>
a Name of MTIA, CCT, PSA, or 103-12 IE: <u>EB TEMPORARY INVESTMENT</u>		
b Name of sponsor of entity listed in (a): <u>THE BANK OF NEW YORK MELLON</u>		
c EIN-PN <u>25-6078093-023</u>	d Entity code <u>C</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>6646390</u>
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

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

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

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
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
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1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	0	-319005
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other	1b(3)	1338000	92763348
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)	57770094	118571881
(2) U.S. Government securities	1c(2)	1206307410	1629153434
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	41426557	788743195
(B) All other	1c(3)(B)	1695520275	807833105
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	76538	73452
(B) Common	1c(4)(B)	1236038632	866690031
(5) Partnership/joint venture interests	1c(5)	732164686	768474388
(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)	1003269225	727644781
(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)	4955788	5677275
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other.....	1c(15)	321295266	244603162

		(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:		
(1)	Employer securities.....	1d(1)	
(2)	Employer real property.....	1d(2)	
e	Buildings and other property used in plan operation	1e	
f	Total assets (add all amounts in lines 1a through 1e)	1f	6300162471 6049909047
Liabilities			
g	Benefit claims payable	1g	
h	Operating payables	1h	40305372 4926460
i	Acquisition indebtedness.....	1i	
j	Other liabilities.....	1j	218191750 216103953
k	Total liabilities (add all amounts in lines 1g through 1j)	1k	258497122 221030413
Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	6041665349 5828878634

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.

		(a) Amount	(b) Total
Income			
a	Contributions:		
(1)	Received or receivable in cash from: (A) Employers	2a(1)(A)	
	(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)	0
b	Earnings on investments:		
(1)	Interest:		
	(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)	-8075
	(B) U.S. Government securities	2b(1)(B)	26120284
	(C) Corporate debt instruments	2b(1)(C)	56491234
	(D) Loans (other than to participants)	2b(1)(D)	
	(E) Participant loans.....	2b(1)(E)	
	(F) Other	2b(1)(F)	4106896
	(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)	86710339
(2)	Dividends: (A) Preferred stock.....	2b(2)(A)	
	(B) Common stock	2b(2)(B)	13574956
	(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)	13574956
(3)	Rents	2b(3)	
(4)	Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	5635083903
	(B) Aggregate carrying amount (see instructions).....	2b(4)(B)	5564328377
	(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)	70755526
(5)	Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	
	(B) Other	2b(5)(B)	24208794
	(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)	24208794

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		103206345
(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)		1215785
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		
c Other income.....	2c		16098914
d Total income. Add all income amounts in column (b) and enter total.....	2d		315770659
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	443195064	
(2) To insurance carriers for the provision of benefits.....	2e(2)		
(3) Other.....	2e(3)	56715982	
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		499911046
f Corrective distributions (see instructions).....	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)	407484	
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees.....	2i(3)	12889986	
(4) Other.....	2i(4)	15348858	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		28646328
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		528557374
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d.....	2k		-212786715
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.A.

(2) EIN: 13-5381590

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

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

Part IV Compliance Questions

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

During the plan year:

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

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		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?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)	X		
4j	X		
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			
5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☐ No If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.			
5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)			
5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)	
5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☒ Yes ☐ No ☐ Not determined If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 441418 _____.			

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2021 This Form is Open to Public Inspection.
---	--	---

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

A Name of plan 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	1003

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) 2021
v. 201209

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

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

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....

14a

b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....

14b

c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....

14c

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

a The corresponding number for the plan year immediately preceding the current plan year.....

15a

b The corresponding number for the second preceding plan year

15b

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

a Enter the number of employers who withdrew during the preceding plan year

16a

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....

16b

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

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

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

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

a Enter the percentage of plan assets held as:

Stock: 33.6 % Investment-Grade Debt: 50.9 % High-Yield Debt: 2.2 % Real Estate: 4.2 % Other: 9.1 %

b Provide the average duration of the combined investment-grade and high-yield debt:

☐ 0-3 years ☐ 3-6 years ☒ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?

☐ Effective duration ☐ Macaulay duration ☒ Modified duration ☐ Other (specify):

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

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

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

☐ Yes.

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

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

☐ No. Other. Provide explanation _____



American Electric Power System Retirement Plan

**Financial Statements and ERISA-Required
Supplemental Schedules**
Years Ended December 31, 2021 and 2020

The report accompanying these financial statements was issued by
BDO USA, P.A., a Delaware professional service 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, 2021 and 2020

American Electric Power System Retirement Plan

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ERISA-Required Supplemental Schedules

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year) as of December 31, 2021	27-68
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Schedule H (Form 5500), Line 4i - Schedule of Assets (Acquired and Disposed of Within Year) for the Year Ended December 31, 2021	70-74

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, 2021 and 2020, 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, 2021 and 2020, 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).
- 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 issued or 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, 2021, Schedule of Reportable Transactions for the year ended December 31, 2021, and Schedule of Assets (Acquired and Disposed of Within Year) for the year ended December 31, 2021, are presented for purposes of additional analysis and are not required parts 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 the 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.A.

August 1, 2023

American Electric Power System Retirement Plan

Statements of Net Assets Available for Benefits

<i>December 31,</i>	2021	2020
Assets		
Investments, at fair value:		
Short-term investments	\$ 64,483,417	\$ 50,548,537
Corporate stock (including securities on loan of \$20,058,219 for 2021 and \$46,024,528 for 2020)	855,349,321	1,219,726,752
U.S. government obligations (including securities on loan of \$99,921,583 for 2021 and \$121,490,753 for 2020)	1,559,089,475	1,133,728,549
Corporate obligations (including securities on loan of \$16,847,899 for 2021 and \$9,753,941 for 2020)	1,558,022,705	1,641,435,999
State and local government obligations	57,192,462	56,059,469
Common/collective trusts and commingled fund	517,693,784	707,687,956
Partnership/joint venture interests	774,151,664	755,137,361
Total Investments, at fair value	5,385,982,828	5,564,324,623
Collateral held under securities lending (Note 5)	138,775,997	179,838,555
Net assets held in 401(h) account at fair value (Note 6)	433,029,150	478,022,996
Due from broker for securities sold	43,462,813	19,676,485
Accrued dividend and interest income	48,226,019	58,296,466
Total Assets	6,049,476,807	6,300,159,125
Liabilities		
Due to broker for securities purchased	50,700,908	40,302,026
Investment advisory and other fees payable	29,713,109	36,814,873
Obligation under securities lending (Note 5)	140,184,156	181,376,877
Payables for investments held in 401(h) account at fair value (Note 6)	433,029,150	478,022,996
Total Liabilities	653,627,323	736,516,772
Net Assets Available for Benefits	\$ 5,395,849,484	\$ 5,563,642,353

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>	2021	2020
Additions		
Investment income:		
Interest and dividends	\$ 95,406,670	\$ 96,474,231
Net appreciation in fair value of investments	191,956,800	710,447,196
Other investment income	16,067,270	22,394,799
Net Investment Income	303,430,740	829,316,226
Total Additions	303,430,740	829,316,226
Deductions		
Benefits paid directly to participants or beneficiaries	443,195,064	401,862,256
Administrative expenses	28,028,545	17,928,493
Total Deductions	471,223,609	419,790,749
Net (Decrease) Increase in Net Assets Available for Benefits	(167,792,869)	409,525,477
Net Assets Available for Benefits, beginning of year	5,563,642,353	5,154,116,876
Net Assets Available for Benefits, end of year	\$ 5,395,849,484	\$ 5,563,642,353

See accompanying notes to financial statements.

American Electric Power System Retirement Plan

Statements of Accumulated Plan Benefits

<i>December 31,</i>	2021	2020
Actuarial Present Value of Accumulated Plan Benefits		
Vested benefits:		
Participants and beneficiaries currently receiving benefit payments	\$ 2,170,304,868	\$ 2,326,126,929
Other participants	1,736,535,527	1,883,492,595
Total Vested Benefits	3,906,840,395	4,209,619,524
Nonvested benefits	8,569,641	10,618,853
Total Actuarial Present Value of Accumulated Plan Benefits	\$ 3,915,410,036	\$ 4,220,238,377

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>	2021	2020
Actuarial Present Value of Accumulated Plan Benefits, beginning of year	\$ 4,220,238,377	\$ 3,975,137,275
Increase (decrease) during the year attributable to:		
Benefits accumulated	86,366,391	76,510,690
Actuarial losses	15,625,851	21,578,389
Interest due to the decrease in the discount period	194,159,955	221,542,183
Benefits paid	(443,195,064)	(401,862,256)
Changes in actuarial assumptions	(157,785,474)	327,332,096
Net (Decrease) Increase	(304,828,341)	245,101,102
Actuarial Present Value of Accumulated Plan Benefits, end of year	\$ 3,915,410,036	\$ 4,220,238,377

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 trustee 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 was amended and restated effective August 18, 2020 to incorporate all amendments that had been made to the Plan through December 31, 2019, and has since been amended from time to time - most recently on December 19, 2022. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (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.

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.

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

American Electric Power System Retirement Plan

Notes to Financial Statements

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 2021 and 2020.

Party-in-Interest 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 \$896,046 and \$842,934 for the years ended December 31, 2021 and 2020, respectively. The Plan held investments managed by BNYM totaling \$452,739,483 and \$632,805,277 at December 31, 2021 and 2020, respectively. 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.

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.

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, 2021, the BFC consisted of AEPSC's then chief financial officer, senior vice president of risk and treasury, senior vice president & chief human resources officer, senior vice president of strategy and transformation, executive vice president general counsel, and executive vice president - portfolio optimization. The IC consisted of AEPSC's senior vice president of risk and treasury, director of trust and investments, two managing directors of corporate finance, and a director of corporate finance.

American Electric Power System Retirement Plan

Notes to Financial Statements

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.

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.

American Electric Power System Retirement Plan

Notes to Financial Statements

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 is daily, and the redemption notice period is five 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 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 weekly, and the redemption notice period is two 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 evaluate investment performance. The Plan uses limited partnerships and commingled funds 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. At December 31, 2021 and 2020, the Plan holds investments of \$135,876,680 and \$129,229,724, respectively, in limited partnerships and of \$39,134,428 and \$38,693,497, respectively, in commingled funds across the alternative investment spectrum. Redemption frequencies for the commingled funds range from daily to quarterly, with redemption notice periods ranging from one day to 60 days. At December 31, 2021 and 2020, the Plan has no unfunded commitments. Investments in these limited partnerships are not eligible for immediate redemption.

American Electric Power System Retirement Plan

Notes to Financial Statements

Included in the alternative investment designation is \$274,175,780 and \$264,256,133 of private equity investments at December 31, 2021 and 2020, 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 \$102,935,963 and \$111,561,444 in unfunded commitments as of December 31, 2021 and 2020, respectively. The portfolio does not have a readily determinable fair value and is illiquid. Investments in these limited partnerships are not eligible for immediate redemption. The Plan generally expects to liquidate the limited partnerships 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, 2021 and 2020, the Plan holds investments of \$232,800,154 and \$213,756,275, respectively, in limited partnerships and of \$0 and \$18,016,887, respectively, in commingled funds across the real estate investment spectrum. 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 \$57,927,907 and \$34,891,213 in unfunded commitments as of December 31, 2021 and 2020, 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. Investments in these limited partnerships are not eligible for immediate redemption. The infrastructure portfolio has \$29,137,344 and \$25,350,648 in unfunded commitments as of December 31, 2021 and 2020, 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 related to the allocated insurance contracts for retirees receiving benefits is excluded from the financial statements.

American Electric Power System Retirement Plan

Notes to 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.

Actuarial Assumptions

The significant actuarial assumptions used in the valuation of the Plan at December 31, 2021 and 2020 are summarized as follows:

Actuarial cost method	Projected unit credit
Discount rate	2021: 5.25% and 2020: 4.75%
Mortality basis	Pri-2012 mortality table without collar or quartile adjustments and projected forward on a generational basis using an adjusted version of MP-2021 (2021) and MP-2020 (2020)
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 2020 and 2021 were the increase in the interest rate and the update to the mortality improvement scale.

Benefit Payments

Benefit payments are recorded when paid.

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. Until August 7, 2019, an outside firm, Mercer HR Services, LLC (Mercer), performed services relative to the Plan, including, but are not limited to, administration of plan eligibility, participation, benefit calculations, participant communications, data maintenance

American Electric Power System Retirement Plan

Notes to Financial Statements

and disbursement processing, and provision of personnel to respond to participant inquiries. Effective August 7, 2019, Morneau-Shepell Limited (Morneau) took over Mercer's role as a part of Morneau's acquisition of Mercer's book of business. On May 17, 2021, Morneau changed the company name to LifeWorks, Inc. (LifeWorks). Fees paid to Mercer and Lifeworks (formally Morneau) 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 to net assets attributable to net appreciation in fair value of investments in the accompanying statements of changes in net assets available for benefits.

Recent Accounting Pronouncement

In August 2018, the FASB issued Accounting Standards Update (ASU) 2018-13, *Fair Value Measurements Topic (820), Disclosure Framework - Changes to the Disclosure Requirements for Fair Value Measurement*. ASU 2018-13 eliminates certain disclosures, including the disclosure related to transfers between Level 1 and Level 2 investments; the valuation policies for Level 3 measurements; and, for nonpublic entities, the change in the Level 3 investments' unrealized gains and losses included in earnings. This ASU also amends certain disclosures, including disclosing purchases, sales, and transfers for Level 3 investments instead of the Level 3 roll-forward. ASU 2018-13 is effective for periods beginning after December 15, 2019. The Plan adopted ASU 2018-13 in plan year 2020. There was no material impact of this ASU to the Plan's financial statements.

American Electric Power System Retirement Plan

Notes to Financial Statements

Subsequent Events

The Plan has evaluated subsequent events through August 1, 2023, the date the financial statements were available to be issued.

3. Certified Investment Information

The Plan Administrator has elected the method of annual reporting compliance permitted by ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, The Bank of New York Mellon/BNY Mellon, N.A., a qualified institution, has certified that the following investment information included in the accompanying financial statements and ERISA-required supplemental schedules is complete and accurate:

- Investments as shown in the statements of net assets available for benefits as of December 31, 2021 and 2020, excluding partnership/joint venture interests and securities on loan.
- Investment income as shown in the statement of changes in net assets available for benefits for the year ended December 31, 2021 and 2020, excluding investment activity related to the partnership/joint venture interests of \$13,934,948 and \$22,766,143 for the years ended December 31, 2021 and 2020, respectively, and securities lending of \$388,507 and \$315,621 for the years ended December 31, 2021 and 2020, respectively.
- Investment information included in the supplemental Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year) as of December 31, 2021 and Schedule H (Form 5500), Line 4j - Schedule of Reportable Transactions for the year ended December 31, 2021 as shown on the ERISA-required supplemental schedules, excluding partnership/joint venture interests and securities on loan.

At the request of the Plan Administrator, the Plan's independent auditors did not perform auditing procedures with respect to this certified investment information, except for comparing such certified investment information to the related investment information in the financial statements, including reading the disclosures related to the investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP, and in the ERISA-required supplemental schedules, including assessing whether the supplemental schedules are in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

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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, 2021

	Assets Measured at Fair Value on a Recurring Basis		
	Investments, at Fair Value	Level 1	Level 2
Short-term investments	\$ 64,336,269	\$ -	\$ 64,336,269
Equity - corporate stock	855,349,321	855,348,571	750
Fixed income:			
U.S. government obligations	1,559,089,475	110,385	1,558,979,090
Corporate obligations	1,558,022,705	-	1,558,022,705
State and local government obligations	57,192,462	-	57,192,462
Collateral held under securities lending:			
Short-term investments	41,966,749	-	41,966,749
Fixed-income securities - U.S. government obligations	18,603,612	-	18,603,612
Fixed-income securities - U.S. agency obligations	79,613,795	-	79,613,795
Net assets held in 401(h) account - fixed income:			
U.S. government obligations	70,063,960	-	70,063,960
Corporate obligations	82,360,935	-	82,360,935
State and local government obligations	4,900,815	-	4,900,815
Total	4,391,500,098	\$ 855,458,956	\$ 3,536,041,142
Investments measured at NAV as a practical expedient:			
Short-term investments	147,148		
Common collective trusts and commingled fund:			
BNYM EB Temporary Investment Fund	53,346,774		
Vontobel India Fund	11,607,527		
Mellon Capital All-Country World Index Fund	452,739,483		
Partnership/joint venture interests:			
Alternative investments	449,186,888		
Real estate	232,800,154		
Infrastructure	92,164,622		
Net assets held in 401(h) account:			
Short-term investments	6,650,108		
Common collective trusts and commingled fund:			
JPM Long Duration Fund	157,428,631		
Mellon Capital All-Country World Index Fund	110,830,277		
Total Investments, at fair value	\$ 5,958,401,710		

American Electric Power System Retirement Plan

Notes to Financial Statements

December 31, 2020

	Assets Measured at Fair Value on a Recurring Basis		
	Investments, at Fair Value	Level 1	Level 2
Short-term investments	\$ 49,350,814	\$ -	\$ 49,350,814
Equity - corporate stock	1,219,726,752	1,219,726,002	750
Fixed income:			
U.S. government obligations	1,133,728,549	(1,349,789)	1,135,078,338
Corporate obligations	1,641,435,999	-	1,641,435,999
State and local government obligations	56,059,469	-	56,059,469
Collateral held under securities lending:			
Short-term investments	15,131,184	-	15,131,184
Fixed-income securities - U.S. government obligations	42,481,209	-	42,481,209
Fixed-income securities - U.S. agency obligations	123,764,485	-	123,764,485
Net assets held in 401(h) account - fixed income:			
U.S. government obligations	72,578,861	-	72,578,861
Corporate obligations	98,415,503	-	98,415,503
State and local government obligations	4,770,595	-	4,770,595
Total	4,457,443,420	\$ 1,218,376,213	\$ 3,239,067,207
Investments measured at NAV as a practical expedient:			
Short-term investments	1,197,723		
Common collective trusts and commingled fund:			
BNYM EB Temporary Investment Fund	57,104,937		
Vontobel India Fund	17,777,742		
Mellon Capital All-Country World Index Fund	632,805,277		
Partnership/joint venture interests:			
Alternative investments	432,179,354		
Real estate	231,773,162		
Infrastructure	91,184,845		
Net assets held in 401(h) account:			
Short-term investments	5,748,649		
Common collective trusts and commingled fund:			
JPM Long Duration Fund	176,173,460		
Mellon Capital All-Country World Index Fund	119,172,364		
Total Investments, at fair value	\$ 6,222,560,933		

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.

American Electric Power System Retirement Plan

Notes to Financial Statements

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 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 \$388,507 and \$309,670 earned by the Plan during the years ended December 31, 2021 and 2020, 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, 2021 and 2020, the fair value of securities loaned was \$136,827,701 and \$177,269,222, respectively; the collateral held was \$140,184,156 and \$181,376,877, respectively. Collateral received consisted of U.S. government obligations, U.S. agency obligations, and cash totaling \$138,775,997 and \$179,838,555 as of December 31, 2021 and 2020, respectively. The cash collateral totaled \$41,966,749 and \$15,131,184 as of December 31, 2021 and 2020, respectively, and was invested in various pooled investments that hold short-term and fixed-income securities (including repurchase agreements). The noncash collateral received totaled \$98,217,407 and \$166,245,694 as of December 31, 2021 and 2020, 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.

American Electric Power System Retirement Plan

Notes to Financial Statements

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, 2021 and 2020.

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>	2021	2020
Investments, at fair value:		
Common collective trusts	\$ 268,258,908	\$ 295,342,124
Corporate and government bonds	152,424,895	170,994,364
Other investments	11,550,923	10,522,945
Accrued income and other receivables	1,150,140	1,338,000
Fees payable by 401(h) and other	(355,716)	(174,437)
Net Assets Held in 401(h) Account	\$ 433,029,150	\$ 478,022,996
Changes in net assets in 401(h) account:		
Net appreciation in fair value of investments	\$ 7,461,293	\$ 73,192,226
Interest and dividend income	4,878,624	5,304,754
Administrative expenses	(617,781)	(539,362)
Retiree medical reimbursement	(56,715,982)	(55,353,526)
Net (Decrease) Increase in Net Assets Held in 401(h) Account	\$ (44,993,846)	\$ 22,604,092

7. Derivatives

The Plan has futures contracts with a current notional amount of \$18,473,622 and \$69,248,633 at December 31, 2021 and 2020, 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 investments income on the statements of changes in net assets available for benefits.

American Electric Power System Retirement Plan

Notes to Financial Statements

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 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, 2021

	Asset Derivatives, Fair Value	Liability Derivatives, Fair Value
Contract type:		
Forward foreign currency exchange contracts	\$ 24,868,391	\$ 24,933,988
Treasury bond forwards	16,380,040	11,246,781
Future contracts	2,057,527	1,947,142
Total	\$ 43,305,958	\$ 38,127,911

December 31, 2020

	Asset Derivatives, Fair Value	Liability Derivatives, Fair Value
Contract type:		
Forward foreign currency exchange contracts	\$ 32,543,032	\$ 32,856,266
Treasury bond forwards	23,490,983	14,846,662
Future contracts	690,039	2,040,343
Total	\$ 56,724,054	\$ 49,743,271

Unrealized gains and losses on derivative instruments held by the Plan were \$(26,219) and \$(1,595,733) for the years ended December 31, 2021 and 2020, 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

American Electric Power System Retirement Plan

Notes to Financial Statements

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 \$3,106,758 and \$4,905,896 as of December 31, 2021 and 2020, respectively.

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, 2021 and 2020. The estimated Unrelated Business Income Tax was \$129,000 and \$128,065 for the years ended December 31, 2021 and 2020, respectively.

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. Contingencies

Four participants in the Plan filed a class action complaint in December 2021 in the U.S. District Court for the Southern District of Ohio against AEPSC and the Plan. When the Plan's benefit formula was changed in the year 2000, AEP provided a special provision for employees hired before January 1, 2001, allowing them to continue benefit accruals under the then-benefit formula for a full ten years alongside of the new cash balance benefit formula then being implemented. Employees who were hired on or after January 1, 2001 accrued benefits only under the new cash balance benefit formula. The plaintiffs asserted a number of claims on behalf of themselves and the purported class, including that: (a) the Plan violated the requirements under ERISA intended to preclude backloading the accrual of benefits to the end of a participant's career, (b) the Plan violated the age discrimination prohibitions of ERISA and the Age Discrimination in Employment Act, and (c) AEP failed to provide required notice regarding the changes to the Plan. Among other relief, the complaint sought reformation of the Plan to provide additional benefits and the recovery of plan benefits for former employees under such reformed plan. The plaintiffs previously had submitted claims for additional plan benefits to AEP, which were denied. On February 15, 2022, AEPSC and the Plan filed a motion to dismiss the complaint alleging the plaintiffs' claims were insufficient as a matter of law. On August 16, 2022, the District Court granted the motion filed by the Company and the AEP pension plan to dismiss the complaint without prejudice. The plaintiffs filed a motion with the District Court for leave to file an amended complaint which the court denied on December 1, 2022. The plaintiffs did not file an appeal by the deadline of January 3, 2023. At this time, no litigation is pending on this issue.

11. 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>	2021	2020
Net Assets Available for Benefits , per the financial statements	\$ 5,395,849,484	\$ 5,563,642,353
Net assets held in 401(h) account included as assets in Form 5500	433,029,150	478,022,996
Net Assets Available for Benefits , per Form 5500	\$ 5,828,878,634	\$ 6,041,665,349

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>	2021	2020
Net (Decrease) Increase in Net Assets Available for Benefits , per the financial statements	\$ (167,792,869)	\$ 409,525,477
Net investment income from 401(h) account	12,339,917	78,496,980
Administrative expenses related to 401(h) account	(617,781)	(539,362)
Transfer from 401(h) account to Medical Plan	(56,715,982)	(55,353,526)
Net (Loss) Income , per Form 5500	\$ (212,786,715)	\$ 432,129,569

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, 2021

(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				
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	\$ 105,804,890	\$ 105,804,890	
	U S TREASURY BILL 0.000% 03/10/2022 DD 09/09/21	11,878,153	11,878,153	
	EUR (EURO)	46,953	46,411	
	BRL (BRAZILIAN REAL)	36,573	36,952	
	KRW (SOUTH KOREAN WON)	13,077	12,880	
	MXN (MEXICAN PESO)	11,606	11,867	
	GBP (GREAT BRITISH POUNDS)	10,997	11,023	
	HKD (HONG KONG DOLLARS)	7,201	7,204	
	CAD (CANADIAN DOLLARS)	6,810	6,909	
	TWD (TAIWAN DOLLAR)	6,043	6,052	
	ZAR (SOUTH AFRICAN RAND)	1,381	1,373	
	SGD (SINGAPORE DOLLARS)	1,201	1,213	
	AUD (AUSTRALIAN DOLLARS)	1,004	972	
	PLN (POLISH ZLOTY)	880	870	
	CHF (SWISS FRANC)	713	719	
	SEK (SWEDISH KRONA)	711	711	
	JPY (JAPANESE YEN)	710	705	
	NOK (NORWEGIAN KRONE)	732	694	
	TRY (NEW TURKISH LIRA)	761	482	
	DKK (DANISH KRONE)	233	234	
	CNY (CHINESE YUAN RENMINBI)	-	-	
	THB (THAI BAHT)	(135)	(123)	
Short-Term Investments Total		117,830,494	117,830,191	
State and Local Government Obligations				
	CALIFORNIA ST 7.600% 11/01/2040 DD 12/01/10	3,667,902	3,999,239	
	COLORADO ST BRIDGE ENTERPRISE 0.923% 12/31/2023 DD 09/15/21	3,968,843	3,941,988	
	CALIFORNIA ST 7.350% 11/01/2039 DD 11/10/09	3,493,535	3,898,327	
	NEW YORK CITY NY MUNI WTR FIN 5.440% 06/15/2043 DD 09/23/10	2,870,285	2,938,520	
	GOLDEN ST TOBACCO SECURITIZATI 3.000% 06/01/2046 DD 10/07/21	2,860,000	2,929,670	
	PORT AUTH OF NEW YORK & NEW JE 3.287% 08/01/2069 DD 08/16/19	2,499,426	2,566,932	
	UNIV OF CALIFORNIA CA RGTS MED 6.583% 05/15/2049 DD 12/17/09	2,186,498	2,495,011	
	ILLINOIS ST 5.100% 06/01/2033 DD 06/12/03	2,318,882	2,323,319	
	N TX TOLLWAY AUTH REVENUE 6.718% 01/01/2049 DD 08/12/09	2,054,912	2,299,600	
	LOS ANGELES CA UNIF SCH DIST 5.750% 07/01/2034 DD 10/15/09	1,865,802	1,998,033	
	CALIFORNIA ST 4.600% 04/01/2038 DD 04/25/18	1,957,306	1,962,711	
	BAY AREA CA TOLL AUTH TOLL BRI 7.043% 04/01/2050 DD 07/01/10	1,570,493	1,889,136	
	CHICAGO IL TRANSIT AUTH SALES 6.899% 12/01/2040 DD 08/06/08	1,605,184	1,619,683	
	SALES TAX SECURITIZATION CORP 3.587% 01/01/2043 DD 12/14/17	1,535,134	1,605,208	
	UNIV OF TEXAS TX UNIV REVENUES 2.439% 08/15/2049 DD 05/29/20	1,570,000	1,552,008	
	UNIV OF CALIFORNIA CA REVENUES 4.858% 05/15/2112 DD 03/01/12	1,426,947	1,522,402	
	ALAMEDA CNTY CA JT PWRS AUTH L 7.046% 12/01/2044 DD 11/04/10	1,232,416	1,431,594	
	MUNI ELEC AUTH OF GEORGIA 6.637% 04/01/2057 DD 03/11/10	1,223,858	1,371,727	
	CALIFORNIA ST 7.500% 04/01/2034 DD 04/28/09	1,218,640	1,308,415	
	CALIFORNIA ST 7.550% 04/01/2039 DD 04/28/09	1,024,699	1,134,825	
	PORT AUTH OF NEW YORK & NEW JE 4.926% 10/01/2051 DD 10/06/11	813,919	1,067,259	
	PORT AUTH OF NEW YORK & NEW JE 4.229% 10/15/2057 DD 05/09/17	801,891	996,930	
	NEW YORK CITY NY MUNI WTR FIN 5.882% 06/15/2044 DD 11/18/10	985,654	923,508	
	UNIV OF VIRGINIA VA UNIV REVEN 2.256% 09/01/2050 DD 07/21/20	975,000	922,740	
	NEW YORK ST URBAN DEV CORP REV 5.770% 03/15/2039 DD 12/01/09	845,398	856,289	
	MET TRANSPRTN AUTH NY DEDICATE 7.336% 11/15/2039 DD 04/30/09	797,894	800,565	
	NEW YORK ST DORM AUTH ST PERSO 3.110% 02/15/2039 DD 01/03/20	767,676	796,335	
	CALIFORNIA ST 7.300% 10/01/2039 DD 10/15/09	711,615	721,657	
	PORT AUTH OF NEW YORK & NEW JE 4.458% 10/01/2062 DD 10/10/12	705,289	715,754	
	UNIV OF CALIFORNIA CA REVENUES 5.946% 05/15/2045 DD 09/30/10	515,281	714,484	
	DALLAS TX AREA RAPID TRANSIT S 2.613% 12/01/2048 DD 12/01/21	656,384	647,137	
	NEW YORK ST THRUWAY AUTH 3.500% 01/01/2042 DD 10/30/19	615,411	639,901	
	CHICAGO IL 4.864% 12/01/2022 DD 08/26/10	591,640	584,323	
	UNIV OF MICHIGAN MI 2.437% 04/01/2040 DD 06/16/20	450,000	450,113	
	RUTGERS NJ ST UNIV 3.270% 05/01/2043 DD 10/24/19	410,201	433,079	
	KANSAS ST DEV FIN AUTH REVENUE 4.927% 04/15/2045 DD 08/20/15	379,887	371,047	
	UNIV OF CALIFORNIA CA RGTS MED 6.548% 05/15/2048 DD 11/18/10	337,964	355,900	
	MASSACHUSETTS ST 2.514% 07/01/2041 DD 07/09/20	225,000	221,653	
	BAY AREA CA TOLL AUTH TOLL BRI 3.552% 04/01/2054 DD 09/26/19	180,000	185,440	
State and Local Government Obligations Total		53,916,866	57,192,462	

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, 2021

(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
Common/Collective Trusts				
*	BNYM-M DB SL ACWI FUND		230,192,768	452,739,483
Common/Collective Trusts Total			230,192,768	452,739,483
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity)				
	HCL TECHNOLOGIES		1,676,772	2,598,438
	HINDUSTAN UNILEVER LTD		1,163,852	1,803,583
	TATA CONSULTANCY SERVICES LIMITED		1,129,340	1,750,101
	KOTAK MAHINDRA BANK LTD		748,948	1,160,620
	HOUSING DEVELOPMENT FINANCE CORPORATION LIMITED		728,977	1,129,672
	EICHER MOTORS LTD		697,175	1,080,389
	POWER GRID CORP OF INDIA LTD		607,781	941,858
	VOLTAS LTD		380,720	589,989
	RELIANCE INDUSTRIES LTD		356,771	552,877
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity) Total			7,490,336	11,607,527
Partnership/Joint Venture Interests				
	BRIGADE CREDIT OFFSHORE FUND II LTD CLASS A RU20		45,618,012	63,021,276
	LAZARD EMERGING MKTS		55,786,998	52,372,179
	LION INDUSTRIAL TRUST PROPERTIES		10,000,000	38,971,543
	PRISA		20,221,680	36,918,080
	IFM GLOBAL INFRA OFFSHORE LP		10,000,000	31,999,851
	JPMCB STRATEGIC PROPERTY FUND		12,525,012	28,705,119
	JAMESTOWN PREMIER PROPERTY FUND LP		3,484,205	25,760,787
	STONE HARBOR-EM MK DBT-MUSDA		19,544,946	23,956,912
	USAA EAGLE REAL ESTATE FEEDER I LP		10,651,719	23,583,625
	STONE HARBOR LEVERAGED LOAN FUND B		15,034,802	20,483,225
	CVC CAPITAL PTNRS VI (C) LP		11,119,614	18,703,691
	PEG POOLED VENT CAP INST INVEST III LLC		17,133,183	16,559,411
	GRIDIRON CAPITAL FUND III LP		293,433	16,451,455
	STONE HARBOR-HI YLD BD-MUSDA		12,412,204	15,177,527
	BROOKFIELD PREMIER RE PTNRS		9,551,407	14,473,534
	TZP CAPITAL PARTNERS II LP		8,575,807	12,954,359
	BROOKFIELD INFRA FUND III LP		10,430,022	12,883,445
	PATRIA - BRAZILIAN PRIVATE EQUITY FUND IV LP		9,123,197	12,619,311
	PATRIA-BRAZILIAN PE FUND V LP		6,176,233	12,098,996
	AMERICAN SECURITIES PARTNERS VI		41,463	12,054,237
	APOLLO INVESTMENT FUND VIII LP		5,811,485	11,453,999
	BASALT INFRA PARTNERS LP		7,296,431	11,073,329
	DREAM INDUSTRIAL FUND		10,000,000	10,745,625
	AXIUM INFRA NA IV LP		11,724,569	10,577,012
	HIGH ROAD CAPITAL PARTNERS FD II - WFC		8,955,292	10,051,545
	H.I.G. CAPITAL PARTNERS V LP		8,236,181	9,834,234
	BLACKSTONE CAPITAL PARTNERS VII LP		5,877,351	9,420,659
	CA STUDENT LIVING INC GRWTH		7,500,000	8,878,373
	BLACKSTONE ENERGY PARTNERS II LP		8,510,243	8,758,747
	KPS SPECIAL SITUATIONS FUND IV LP		8,428,320	8,573,350
	AMERICAN SECURITIES PTNRS VII		6,833,906	8,339,185
	WATERLAND PRIVATE EQUITY FUND V		631,831	8,173,539
	PLATINUM EQUITY CAP PTNRS IV L PV LP		4,806,312	7,456,214
	ASANA PARTNERS FUND I LP		3,434,760	7,197,972
	GLOBAL ENERGY & POWER INFRA II		9,449,573	7,039,021
	ALTERNA CORE CAPITAL ASSETS II LP		8,902,735	6,938,029
	CVC CAPITAL PARTNERS VII LP		4,842,870	6,926,225
	AMERICAN SECURITIES PTNR VIII		4,829,646	5,835,094
	HIG EUROPE CAPITAL PARTNERS II LP		6,779,426	5,834,222
	JADIAN REAL ESTATE FUND I LP		3,140,650	5,767,577
	PROVIDENCE DEBT FUND III LP		6,669,590	5,763,638
	OHA STRATEGIC CREDIT FUND II		4,005,702	5,677,275
	PLATINUM CAP EQ PTNRS V LP		4,790,686	5,663,891
	TPG GROWTH III LP		3,452,305	4,455,778
	UNICO CORE PLUS PARTNERS LP		4,353,022	4,452,473
	RIDGEMONT EQUITY PARTNERS FUND I LP		1,974,288	4,325,539
	PLATINUM EQ CAP PARTNERS III III		1,317,249	4,098,754

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, 2021

(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	
	ALMANAC REALTY SECURITIES VII	4,043,355	4,035,989	
	TPG GROWTH II LP	1,621,247	3,945,185	
	GS PEP 2005-MANAGERS FUND	16,134,815	3,843,482	
	BLACKSTONE ENERGY PARTNERS L.P.	6,671,734	3,841,993	
	HEITMAN ASIA-PACIFIC PRO INVST FEED	3,543,184	3,795,245	
	ICON INFRA PARTNERS FUND V LP	3,739,985	3,729,719	
	ALMANAC REALTY SEC VIII LP	3,443,056	3,574,108	
	MERIDIAN INFRA NORTH AMERICA FD III (DOMESTIC)	2,406,380	3,494,863	
	PEG US POOLED CORP FIN INST INVEST III LLC	10,628,222	3,443,509	
	SIXTH ST OPP PTNS III (A) LP	2,121,556	3,290,014	
	UNICO PARTNERS I LP	321,294	3,053,000	
	ENCAP ENERGY TRANS FD I-C LP	2,926,606	2,990,682	
	BOWMARK CAPITAL PARTNERS V	2,910,138	2,949,530	
	APOLLO INVESTMENT FUND IX LP	2,134,272	2,881,317	
	IRON POINT REAL ESTATE II-TE	2,704,722	2,652,728	
	ASCRIBE OPP FUND III LP	11,309,682	2,611,921	
	BROOKFIELD STRAT RE PTNS B LP	-	2,244,724	
	GREENFIELD ACQUI RTNRS VII LP	753,254	2,188,406	
	WOLFF CREDIT PARTNERS II LP	1,389,530	2,069,763	
	INSIGHT PARTNERS CAYMAN XII LP	1,750,000	1,720,452	
	BLACKSTONE CAP PARTNERS VIII	1,547,754	1,707,322	
	GRIDIRON CAPITAL FUND II LP	7,684,131	1,666,048	
	INSIGHT PARTNERS FUND X FOLLOW-ON FUND L.P.	1,657,020	1,657,020	
	SECONDARY INVESTMENT SPV-3 LP	-	1,525,792	
	ENCAP ENERGY TRAN COINV I-C LP	1,336,694	1,438,661	
	WARBURG PINCUS PRIVATE EQUITY X LP	-	1,245,643	
	FORTRESS JPN OPP FD IV DOL B LP	896,522	1,121,608	
	BUCKINGHAM MULTIFAMILY FUND II	1,119,569	1,119,569	
	CVC CAPITAL PTNS VIII A LP	998,738	1,009,434	
	FSN CAPITAL VI LP	1,303,313	952,013	
	BRAZIL REAL ESTATE OPPORTUNITIES FUND II - BAHIA	4,181,728	854,328	
	APOLLO EUROPEAN PRINCIPAL FUND II	1,137,288	776,062	
	OHA EUROPEAN STRATEGIC CREDIT FUND (OFFSHORE) LP	2,141,421	628,993	
	HVEST PART VI DIRECT FUND	5,557,305	425,630	
	SECONDARY INVESTMENTS SPV-4 LP	81,310	402,513	
	TPG OPPORTUNITIES FUND II	3,662,608	393,152	
	GS PEP 2005 - DIRECT FUND	1,951,181	392,695	
	OAKTREE REAL ESTATE OPP VIII LP	373,548	373,548	
	HIG CAPITAL PARTNERS VI	361,486	322,469	
	WATERLAND PE FUND VI C.V.	4,114,881	320,872	
	EXETER INDUSTRIAL VALUE FUND II LP	559,340	236,363	
	HVEST PART V PARTNERS FUND	12,502,714	64,997	
	HARBOURVEST INTL PVT EQ PARTNERS III PARTNERSHIP	9,723,619	37,358	
	HVEST PART VI PARTNERSHIP FD	4,584,673	37,016	
	ABERDEEN SAFL EUR RE CLUB II OFFSHR FDR LTD	5,061,019	26,063	
	EXETER EUR VAL VENT III FED SCSP	330,352	1	
	JPMCB SPECIAL SITUATION PROPERTY FUND	1,873,498	1	
	GREENFIELD MULTI-STATE PARTNERS LP	494,349	1	
Partnership/Joint Venture Interests Total		606,067,452	774,151,664	
Corporate Stock				
	MICROSOFT CORP	7,653,915	20,480,543	
	AMAZON.COM INC	7,889,896	18,535,596	
	ALPHABET INC	4,751,170	17,131,010	
	MASTERCARD INC	8,241,290	13,182,373	
	VISA INC	5,270,475	12,143,562	
	NESTLE SA	8,362,599	12,033,614	
	NIKE INC	5,016,654	11,689,234	
	UNITEDHEALTH GROUP INC	5,433,157	11,551,731	
	CME GROUP INC	8,045,271	9,868,558	
	ASML HOLDING NV	1,452,775	9,649,217	
	COCA-COLA CO/THE	7,669,570	9,121,478	
	PAYPAL HOLDINGS INC	6,253,737	7,754,975	
	SEA LTD ADR	1,547,199	7,689,808	
	ADYEN NV	1,765,593	7,444,302	

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, 2021

(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	
	HEINEKEN NV	6,258,444	7,205,678	
	SAMSUNG ELECTRONICS CO LTD	6,313,385	7,085,040	
	ATLISSIAN CORP PLC	1,425,704	6,923,464	
	EDWARDS LIFESCIENCES CORP	2,670,718	6,712,504	
	KEYENCE CORP	3,596,167	6,653,363	
	SHOPIFY INC	903,632	6,527,451	
	NETFLIX INC	2,727,909	6,257,544	
	TAIWAN SEMICONDUCTOR MANUFACTU ADR	3,639,060	6,248,300	
	BOSTON SCIENTIFIC CORP	5,287,452	6,174,850	
	DEXCOM INC	4,534,346	6,145,930	
	LAM RESEARCH CORP	4,122,897	6,026,477	
	FLUTTER ENTERTAINMENT PLC	4,817,178	6,005,742	
	ENTAIN PLC	2,713,144	5,998,494	
	ALIGN TECHNOLOGY INC	2,107,405	5,733,238	
	LONDON STOCK EXCHANGE GROUP PL	6,213,982	5,541,882	
	SNOWFLAKE INC	3,098,434	5,192,699	
	HOYA CORP	3,427,467	5,167,991	
	ZALANDO SE	2,818,590	5,078,361	
	BOOKING HOLDINGS INC	3,985,486	5,055,178	
	META PLATFORMS INC	2,126,008	5,006,570	
	RENTOKIL INITIAL PLC	4,413,618	4,958,605	
	CIE GENERALE DES ETABLISSEMENT	3,474,635	4,791,269	
	BECTON DICKINSON AND CO	4,554,928	4,704,185	
	CLOUDFLARE INC	4,347,792	4,703,492	
	KEYSIGHT TECHNOLOGIES INC	2,901,329	4,677,658	
	ESSILORLUXOTTICA SA	3,165,085	4,642,498	
	SERVICENOW INC	3,400,901	4,642,435	
	APTIV PLC	2,264,197	4,549,651	
	MERCADOLIBRE INC	4,341,889	4,473,991	
	VULCAN MATERIALS CO	3,700,978	4,338,630	
	ADOBE INC	2,476,344	4,214,957	
	ROCHE HOLDING AG	2,578,537	4,191,881	
	TENCENT HOLDINGS LTD HK/00700	3,322,562	4,158,267	
	UNITED THERAPEUTICS CORP	3,281,257	4,148,736	
	JPMORGAN CHASE & CO	2,871,671	4,141,011	
	KOBE BUSSAN CO LTD	3,869,770	4,039,192	
	HDFC BANK LTD ADR	3,379,679	4,032,648	
	CROCS INC	594,432	3,927,379	
	TELEPERFORMANCE	1,802,653	3,913,078	
	SONY GROUP CORP	2,162,082	3,867,794	
	LVMH MOET HENNESSY LOUIS VUITT	2,139,663	3,795,584	
	DOORDASH INC	3,827,645	3,793,376	
	ALIBABA GROUP HOLDING LTD HK/09988	5,489,898	3,758,886	
	ASHTAD GROUP PLC	3,211,969	3,676,713	
	ABBOTT LABORATORIES	2,799,550	3,594,500	
	PUBLICIS GROUPE SA	2,549,044	3,557,442	
	MARUBENI CORP	3,111,613	3,542,580	
	FEDEX CORP	2,982,403	3,518,021	
	OKTA INC	2,248,166	3,499,742	
	POPULAR INC	1,966,119	3,429,682	
	ANTHEM INC	1,879,514	3,411,654	
	WEBSTER FINANCIAL CORP	2,660,846	3,411,042	
	AIR LIQUIDE SA	2,872,003	3,353,554	
	SK HYNIX INC	2,212,076	3,352,940	
	CVS HEALTH CORP	2,280,405	3,352,700	
	MARATHON PETROLEUM CORP	2,958,183	3,270,465	
	BLOCK INC	5,123,029	3,259,756	
	BERRY GLOBAL GROUP INC	2,220,308	3,238,942	
	INTERNATIONAL BANCSHARES CORP	3,119,378	3,213,247	
	BELLWAY PLC	2,691,465	3,174,388	
	GILEAD SCIENCES INC	3,023,457	3,167,974	
	KIA CORP	1,368,770	3,163,603	
	ABBVIE INC	2,333,247	3,150,352	
	TWILIO INC	3,953,268	3,131,639	
	CAPITAL ONE FINANCIAL CORP	1,944,066	3,114,937	

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, 2021

(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
		CHUBB LTD	1,967,216	3,109,391
		NAVER CORP	3,074,325	3,096,457
		GENERAL DYNAMICS CORP	2,701,502	3,093,486
		CINEMARK HOLDINGS INC	2,958,801	3,083,756
		GLAXOSMITHKLINE PLC	2,817,944	3,040,390
		TAYLOR WIMPEY PLC	2,790,407	3,007,149
		METHANEX CORP	3,205,466	3,000,419
		YARA INTERNATIONAL ASA	2,352,695	2,995,448
		TYSON FOODS INC	1,999,129	2,992,290
		INTEL CORP	3,252,425	2,989,987
		LUNDIN MINING CORP	2,950,682	2,985,549
		ARROW ELECTRONICS INC	1,206,742	2,967,367
		LABORATORY CORP OF AMERICA HOL	1,221,123	2,953,574
		ANTOFAGASTA PLC	1,839,152	2,946,013
		MAGNA INTL INC	1,945,524	2,945,758
		NIHON M&A CENTER HOLDINGS INC	1,773,160	2,885,796
		DAITO TRUST CONSTRUCTION CO LT	2,974,765	2,870,627
		WAL-MART DE MEXICO SAB DE CV	2,601,413	2,835,311
		TORONTO DOMINION BANK NEW	2,017,554	2,810,243
		SKF AB	2,033,914	2,809,774
		PHILIP MORRIS INTERNATIONAL IN	2,313,766	2,801,550
		BROTHER INDUSTRIES LTD	2,952,909	2,736,030
		CP ALL PCL	2,442,760	2,716,596
		INGREDION INC	2,262,808	2,696,256
		SPAREBANK 1 SR-BANK ASA	1,758,966	2,693,772
		SYNOPSYS INC	1,111,240	2,691,156
		INCHCAPE PLC	1,793,475	2,686,196
		LINDE PLC	1,389,152	2,654,610
		MONDI PLC	2,165,745	2,642,182
		BASF SE	2,732,473	2,638,261
		NEXT PLC	1,795,706	2,634,181
		ALLISON TRANSMISSION HOLDINGS	2,582,138	2,609,930
		BAIDU INC ADR	2,692,493	2,577,340
		NEXTERA ENERGY INC	1,331,271	2,573,375
		COCA-COLA EUROPACIFIC PARTNERS	1,693,286	2,561,594
		BANCOLOMBIA SA	3,076,638	2,560,653
		HANNOVER RUECK SE	1,926,660	2,541,409
		SHERWIN-WILLIAMS CO/THE	1,034,324	2,516,183
		RELX PLC	2,442,664	2,491,413
		VINCI SA	2,253,302	2,447,128
		MUENCHENER RUECKVERSICHERUNGS-	1,889,842	2,433,617
		BUNZL PLC	1,257,677	2,424,541
		OTIS WORLDWIDE CORP	1,777,718	2,410,881
		AVNET INC	2,240,691	2,410,347
		HONDA MOTOR CO LTD	2,565,469	2,401,007
		CARTER'S INC	2,553,634	2,394,055
		WILLIAMS COS INC/THE	1,798,423	2,382,660
		TECHTRONIC INDUSTRIES CO LTD HK/00669	2,485,168	2,368,998
		HEIDELBERGCEMENT AG	1,500,904	2,362,246
		SVENSKA HANDELSBANKEN AB	2,369,585	2,359,909
		HYUNDAI MOBIS CO LTD	2,043,275	2,359,063
		DNB BANK ASA	2,198,981	2,329,679
		SUMITOMO MITSUI TRUST HOLDINGS	2,472,505	2,312,708
		FRESENIUS SE & CO KGAA	2,353,281	2,293,314
		AMCOR PLC	1,689,532	2,292,709
		M&T BANK CORP	1,595,211	2,288,342
		LG UPLUS CORP	2,389,290	2,269,813
		IRHYTHM TECHNOLOGIES INC	3,771,009	2,263,296
		WARNER BROS DISCOVERY INC	2,736,997	2,262,520
		NOVARTIS AG	2,020,493	2,246,941
		JAZZ PHARMACEUTICALS PLC	3,081,660	2,242,240
		SOLVAY SA	2,204,084	2,192,874
		LG ELECTRONICS INC	2,656,933	2,182,461
		DEUTSCHE TELEKOM AG	1,871,008	2,174,241
		CATCHER TECHNOLOGY CO LTD	2,613,203	2,143,836

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, 2021

(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	
	UNITED OVERSEAS BANK LTD	1,972,655	2,132,206	
	CONSTELLATION SOFTWARE INC	1,880,978	2,095,831	
	SCIENCE APPLICATIONS INTERNATI	1,956,868	2,081,391	
	ANDRITZ AG	1,915,576	2,078,902	
	BERKSHIRE HATHAWAY INC	1,472,350	2,047,552	
	KDDI CORP	1,871,766	2,034,922	
	WEICHAI POWER CO LTD HK/02338	2,262,895	2,004,315	
	BABCOCK INTERNATIONAL GROUP PL	3,382,122	1,994,103	
	ASAHI GROUP HOLDINGS LTD	2,079,015	1,923,173	
	IPSOS	1,200,932	1,907,575	
	INTUITIVE SURGICAL INC	729,573	1,883,810	
	JOHNSON & JOHNSON	1,406,778	1,872,361	
	GREENCORE GROUP PLC	1,289,631	1,791,629	
	NINTENDO CO LTD	1,098,478	1,577,051	
	BANK OF AMERICA CORP	1,040,966	1,563,156	
	LOOMIS AB	1,986,021	1,561,731	
	CREDICORP LTD	1,480,826	1,530,270	
	DAICEL CORP	1,784,210	1,513,300	
	NOKIA OYJ	1,152,640	1,503,780	
	SOMERO ENTERPRISES INC	905,970	1,493,986	
	DEUTSCHE BOERSE AG	1,244,744	1,479,610	
	SHINHAN FINANCIAL GROUP CO LTD	1,679,322	1,437,360	
	ENDESA SA	1,452,902	1,398,134	
	STATE STREET CORP	957,943	1,311,951	
	DEVON ENERGY CORP	630,954	1,281,282	
	FLATEXDEGIRO AG	1,150,413	1,258,773	
	WELLS FARGO & CO	1,043,094	1,248,823	
	CHINA MOBILE LTD HK/00941	1,603,662	1,218,578	
	BAIDU INC HK/09888	1,376,933	1,180,719	
	ENERPLUS CORP	517,866	1,145,129	
	DIME COMMUNITY BANCSHARES INC	982,692	1,125,261	
	SPAREBANKEN VEST	625,215	1,117,548	
	CITIGROUP INC	1,114,132	1,067,031	
	CEMEX SAB DE CV ADR	736,248	1,061,382	
	MCKESSON CORP	559,266	1,036,040	
	AMDOCS LTD	843,595	1,021,641	
	SUMITOMO MITSUI FINANCIAL GROU	1,103,148	1,017,294	
	BNP PARIBAS SA	791,098	997,362	
	DR HORTON INC	337,746	954,035	
	CITIZENS FINANCIAL GROUP INC	702,000	953,458	
	PREMIER FINANCIAL CORP	942,336	921,118	
	CIE FINANCIERE RICHEMONT SA	310,162	890,404	
	BRISTOL-MYERS SQUIBB CO	825,119	877,950	
	SUBARU CORP	1,177,084	873,495	
	AP MOLLER - MAERSK A/S	301,675	872,499	
	PRADA SPA HK/01913	515,827	857,983	
	ANGLO AMERICAN PLC	432,454	824,684	
	PFIZER INC	474,336	813,059	
	SOCIETE GENERALE SA	614,045	808,029	
	PROSUS NV	759,662	799,724	
	ING GROEP NV	653,000	798,919	
	PPC LTD	398,932	795,772	
	GENERAL ELECTRIC CO	734,708	795,437	
	SIEMENS AG	482,627	792,437	
	JOHNSON CONTROLS INTERNATIONAL	343,439	787,894	
	WALT DISNEY CO/THE	561,550	770,888	
	YAGEO CORP	549,201	770,195	
	CAPRI HOLDINGS LTD	357,338	770,092	
	KT&G CORP	828,315	766,441	
	BAKER HUGHES CO	752,436	766,167	
	BROOKLINE BANCORP INC	827,086	764,395	
	BANCO SANTANDER SA	829,524	760,237	
	OWENS CORNING	518,900	755,494	
	INTESA SANPAOLO SPA	700,628	754,544	
	ANIMA HOLDING SPA	662,443	754,523	

American Electric Power System Retirement Plan

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

EIN: 13-4922641

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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	
	VERIZON COMMUNICATIONS INC	764,326	751,913	
	BANK OF IRELAND GROUP PLC	537,679	748,280	
	MOSAIC CO/THE	417,213	746,274	
	BB SEGURIDADE PARTICIPACOES SA	900,407	743,591	
	DAI-ICHI LIFE HOLDINGS INC	650,851	743,158	
	NOV INC	1,139,014	739,803	
	RIO TINTO LTD	647,409	738,185	
	CINEWORLD GROUP PLC	3,055,464	734,096	
	HARLEY-DAVIDSON INC	615,039	719,841	
	NETAPP INC	323,811	719,730	
	CAMBRIDGE BANCORP	576,626	711,284	
	ENI SPA	524,731	710,435	
	EBAY INC	363,635	706,895	
	LLOYDS BANKING GROUP PLC	780,134	701,404	
	INDRA SISTEMAS SA	606,453	696,955	
	JAPAN TOBACCO INC	841,356	695,812	
	CHEMRING GROUP PLC	483,570	694,649	
	ORACLE CORP	431,445	691,575	
	CHINA EVERBRIGHT ENVIRONMENT G HK/00257	630,368	685,354	
	SPIRIT AEROSYSTEMS HOLDINGS IN	580,608	682,589	
	DEUTSCHE LUFTHANSA AG	767,196	679,865	
	EQUITY COMMONWEALTH	737,585	678,606	
	UBS GROUP AG	519,287	676,767	
	AFFILIATED MANAGERS GROUP INC	349,455	675,314	
	TREASURY WINE ESTATES LTD	588,105	671,583	
	MAKEMYTRIP LTD	575,059	670,582	
	BRIDGESTONE CORP	592,959	670,439	
	MARRIOTT INTERNATIONAL INC/MD	498,419	667,570	
	ALLFUNDS GROUP PLC	517,163	665,717	
	VISTRY GROUP PLC	437,658	663,037	
	GENERAL MOTORS CO	338,744	662,929	
	WHITBREAD PLC	677,304	658,829	
	VIATRIS INC	740,331	658,316	
	CRITEO SA	333,757	656,126	
	NATWEST GROUP PLC	596,157	655,789	
	TENARIS SA	630,726	655,585	
	RAIFFEISEN BANK INTERNATIONAL	569,955	653,922	
	ZIONS BANCORP NA	487,889	650,422	
	CEGEDIM SA	858,329	645,447	
	JD.COM INC HK/09618	445,930	641,113	
	BAYER AG	849,517	635,127	
	CHARLES SCHWAB CORP/THE	272,760	630,498	
	INTERNATIONAL BUSINESS MACHINE	599,224	626,464	
	KENDRION NV	528,551	625,669	
	ARTISAN PARTNERS ASSET MANAGEM	320,016	620,511	
	EUROBANK ERGASIAS SERVICES AND	429,594	619,565	
	TREMOR INTERNATIONAL LTD	4,660,691	618,316	
	TOTALENERGIES SE	526,168	616,753	
	SWIRE PACIFIC LTD HK/00087	723,589	615,064	
	SAMSONITE INTERNATIONAL SA HK/01910	387,380	614,264	
	HUNTINGTON BANCSHARES INC/OH	583,983	613,870	
	MEDIOBANCA BANCA DI CREDITO FI	486,101	611,047	
	STMICROELECTRONICS NV	243,499	606,788	
	BORGWARNER INC	464,555	601,594	
	TOWER BERSAMA INFRASTRUCTURE T	197,284	600,410	
	VEOLIA ENVIRONNEMENT SA	369,528	600,258	
	TRIP.COM GROUP LTD ADR	684,014	599,497	
	OMNICOM GROUP INC	530,593	594,806	
	DIGITAL VALUE SPA	85,138	594,014	
	FNAC DARTY SA	419,049	593,013	
	VAN LANSCHOT KEMPEN NV	554,971	582,503	
	FINECOBANK BANCA FINECO SPA	375,343	580,537	
	NASPERS LTD	777,503	576,800	
	STARBUCKS CORP	371,351	574,791	
	FLSMIDTH & CO A/S	583,686	573,822	

American Electric Power System Retirement Plan

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

EIN: 13-4922641

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		APPLIED MATERIALS INC	145,214	569,486
		CIMB GROUP HOLDINGS BHD	516,549	564,662
		DROPBOX INC	597,926	560,739
		BFF BANK SPA	414,003	559,458
		WIIT SPA	90,469	559,189
		UNILEVER PLC	561,689	558,446
		AUMANN AG	634,452	558,321
		GRUPO DE INVERSIONES SURAMERIC	596,077	558,250
		DUNI AB	562,277	557,834
		AMERICAN EXPRESS CO	341,330	557,712
		CHINA MERCHANTS BANK CO LTD HK/03968	297,092	554,373
		HEIJMANS NV	392,391	552,502
		RWS HOLDINGS PLC	511,362	550,281
		SBI HOLDINGS INC/JAPAN	477,352	549,112
		RESIDEO TECHNOLOGIES INC	162,649	548,504
		BANK OF KYOTO LTD/THE	518,335	548,020
		SNAM SPA	389,140	543,385
		PARKER-HANNIFIN CORP	218,113	542,713
		COATS GROUP PLC	530,810	539,378
		DUFREY AG	534,423	533,981
		PRUDENTIAL PLC	496,133	532,961
		KNIGHT-SWIFT TRANSPORTATION HO	340,135	531,823
		LAS VEGAS SANDS CORP	753,689	527,336
		TOYOTA INDUSTRIES CORP	353,219	521,928
		GAN LTD	978,463	520,154
		EXOR NV	363,339	518,916
		KRAFT HEINZ CO/THE	461,534	517,068
		TITAN CEMENT INTERNATIONAL SA	653,003	515,289
		AIRBUS SE	322,313	510,464
		GRUPPO MUTUIONLINE SPA	166,983	506,147
		NOMURA HOLDINGS INC	519,721	505,512
		SOUTHWEST AIRLINES CO	353,216	503,970
		TINEXTA SPA	126,819	502,607
		MEDIASET ESPANA COMUNICACION S	637,338	501,999
		SONAE SGPS SA	436,531	497,826
		GRESHAM HOUSE PLC	298,215	497,671
		APPLUS SERVICES SA	637,649	494,872
		TRIP.COM GROUP LTD HK/09961	623,169	494,504
		RAYTHEON TECHNOLOGIES CORP	417,658	492,866
		NIKON CORP	435,556	489,733
		UBER TECHNOLOGIES INC	378,093	487,017
		MS&AD INSURANCE GROUP HOLDINGS	483,696	486,945
		TKH GROUP NV	386,684	484,278
		THYSSENKRUPP AG	463,034	479,204
		CK HUTCHISON HOLDINGS LTD HK/00001	588,819	476,464
		EURAZEO SE	373,616	475,986
		RESTAURANT GROUP PLC/THE	574,692	474,551
		FRAPORT AG FRANKFURT AIRPORT S	441,643	471,029
		CHINA LESSO GROUP HOLDINGS LTD HK/02128	404,737	469,962
		INFINEON TECHNOLOGIES AG	212,952	469,502
		CECONOMY AG	319,286	465,431
		WESTROCK CO	374,429	464,982
		DENA CO LTD	535,390	464,762
		HAITONG SECURITIES CO LTD HK/06837	522,651	464,377
		Z HOLDINGS CORP	258,346	461,335
		GALP ENERGIA SGPS SA	588,004	457,318
		WESTERN UNION CO/THE	581,998	454,206
		VALUE PARTNERS GROUP LTD HK/00806	612,080	453,315
		SIEMENS ENERGY AG	522,814	451,717
		SPOTIFY TECHNOLOGY SA	345,215	450,040
		SMITH & NEPHEW PLC	506,905	449,033
		SWATCH GROUP AG/THE	358,604	448,899
		GENOMMA LAB INTERNACIONAL SAB	359,002	447,955
		GENTING BHD	569,335	447,461
		MEGA MANUNGAL PROPERTY TBK PT	278,443	446,275

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
		CORP AMERICA AIRPORTS SA	554,909	446,073
		VALEO	362,745	439,648
		MFE-MEDIAFOREUROPE NV	592,253	439,174
		TOYO TANSO CO LTD	367,565	436,948
		FISERV INC	418,829	430,210
		VERALLIA SA	442,192	428,548
		DELTA AIR LINES INC	439,236	427,535
		ABB LTD	235,266	425,779
		PING AN INSURANCE GROUP CO OF HK/02318	531,087	422,765
		HUNTING PLC	380,952	420,402
		VIENNA INSURANCE GROUP AG WIEN	388,575	416,901
		AMADEUS IT GROUP SA	296,672	416,363
		TIM SA/BRAZIL	409,564	413,472
		CORP FINANCIERA ALBA SA	366,151	413,182
		CAIRN HOMES PLC	466,376	411,903
		JAPAN PETROLEUM EXPLORATION CO	400,674	411,301
		VICAT SA	507,831	410,948
		ATOS SE	481,997	409,892
		TELEVISION FRANCAISE 1	362,292	409,841
		AMERICANAS SA	794,619	409,775
		SHANGRI-LA ASIA LTD HK/00069	614,867	409,188
		WING TAI HOLDINGS LTD	459,561	408,149
		STANDARD CHARTERED PLC	514,708	407,996
		TELEFONICA BRASIL SA	399,095	407,841
		BOEING CO/THE	384,002	407,472
		PROSIEBENSAT.1 MEDIA SE	399,097	406,908
		MULTICHOICE GROUP	372,139	405,161
		NS SOLUTIONS CORP	368,995	404,202
		3M CO	370,654	403,575
		RAKUTEN GROUP INC	328,042	402,956
		BANGKOK BANK PCL	595,634	399,483
		AGC INC	270,470	398,562
		TRIPADVISOR INC	360,969	395,434
		MOHAWK INDUSTRIES INC	287,568	389,501
		VITESCO TECHNOLOGIES GROUP AG	413,163	389,381
		SANOFI	367,108	388,931
		SIME DARBY PROPERTY BHD	675,108	388,340
		DIRECT LINE INSURANCE GROUP PL	394,118	386,190
		CAPITA PLC	730,145	382,045
		SUBSEA 7 SA	486,713	381,876
		CANADA GOOSE HOLDINGS INC SUB VTG	316,325	381,787
		SECOM CO LTD	424,866	381,425
		GENTING SINGAPORE LTD	538,700	378,207
		FU SHOU YUAN INTERNATIONAL GRO HK/01448	415,106	373,934
		MATTEL INC	223,239	373,699
		WIRTUALNA POLSKA HOLDING SA	145,701	373,455
		BLUE APRON HOLDINGS INC	641,019	373,394
		STERICYCLE INC	452,564	369,768
		ADECCO GROUP AG	362,234	369,159
		TSUBAKIMOTO CHAIN CO	379,872	365,847
		ACCOR SA	332,919	364,202
		UNIPOL GRUPPO SPA	265,665	364,118
		MODERN TIMES GROUP MTG AB	401,174	363,871
		DOWA HOLDINGS CO LTD	268,121	363,606
		ZYNGA INC	354,338	363,283
		CONTINENTAL AG	439,874	363,184
		SLEEP COUNTRY CDA HOLDINGS INC	296,168	362,480
		NIPPON PARKING DEVELOPMENT CO	440,853	362,044
		SATS LTD	272,700	361,862
		VALID SOLUCOES E SERVICOS DE S	653,980	361,580
		SNAP-ON INC	226,226	361,408
		FANUC CORP	285,493	359,915
		SALVATORE FERRAGAMO SPA	316,357	358,696
		NIPPON INDOSARI CORPINDO TBK P	248,232	358,509
		GAM HOLDING AG	599,091	356,475

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, 2021

(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
		ELIS SA	324,623	354,247
		PING IDENTITY HOLDING CORP	389,661	353,816
		WYNN MACAU LTD HK/01128	677,212	353,221
		SPROUTS FARMERS MARKET INC	301,298	353,192
		TOSEI CORP	389,241	352,831
		MINWISE CO LTD	315,824	352,340
		KITZ CORP	351,947	351,261
		JUMBO SA	392,944	349,277
		HSBC HOLDINGS PLC HK/00005	286,188	348,909
		SOFTBANK GROUP CORP	464,462	347,780
		ECKOH PLC	246,105	346,515
		IJM CORP BHD	421,124	346,510
		DOUBLEUGAMES CO LTD	331,189	346,304
		HENKEL AG & CO KGAA	394,403	346,097
		MAISONS DU MONDE SA	232,270	345,680
		H&R BLOCK INC	224,327	345,154
		KYNDRYL HOLDINGS INC	359,355	344,577
		WILLIS TOWERS WATSON PLC	297,095	341,986
		SIME DARBY BHD	343,730	339,869
		SEMEN INDONESIA PERSERO TBK PT	376,166	337,164
		AENA SME SA	255,572	336,049
		SHOP APOTHEKE EUROPE NV	182,371	332,162
		POSTE ITALIANE SPA	276,929	325,471
		IMAX CORP	307,257	321,834
		CHOW SANG SANG HOLDINGS INTERN HK/00116	273,053	320,394
		MANCHESTER UNITED PLC	410,069	320,030
		NEINOR HOMES SA	361,052	319,405
		COCA-COLA ICECEK AS	231,722	319,233
		HUTCHISON PORT HOLDINGS TRUST	283,362	318,787
		BANCO BILBAO VIZCAYA ARGENTARI	260,172	314,062
		HARBOUR ENERGY PLC	318,665	314,056
		INDUSTRIA DE DISENO TEXTIL SA	314,772	312,893
		SABRE CORP	336,826	312,822
		KGINICIS CO LTD	313,709	310,969
		SCHLUMBERGER LTD	345,330	305,490
		WEYERHAEUSER CO	266,391	304,732
		KONINKLIJKE AHOLD DELHAIZE NV	230,483	304,382
		LL FLOORING HOLDINGS INC	343,190	302,651
		AMS-OSRAM AG	274,085	302,322
		SAMSUNG LIFE INSURANCE CO LTD	364,294	301,803
		ZHEJIANG EXPRESSWAY CO LTD HK/00576	276,453	301,577
		BED BATH & BEYOND INC	466,363	301,150
		GRUPO TRAXION SAB DE CV	140,255	300,972
		CISCO SYSTEMS INC	220,582	300,437
		VOLVO AB	215,601	299,846
		KION GROUP AG	160,163	297,333
		KYOCERA CORP	294,989	297,079
		TRAVELSKY TECHNOLOGY LTD HK/00696	357,348	296,392
		LEGAL & GENERAL GROUP PLC	249,294	293,298
		JARDINE CYCLE & CARRIAGE LTD	313,080	292,234
		VEON LTD ADR	410,132	288,855
		AKER CARBON CAPTURE ASA	180,755	287,018
		JAPAN POST HOLDINGS CO LTD	306,711	286,590
		HONG KONG EXCHANGES & CLEARING HK/00388	213,428	286,220
		UNICREDIT SPA	236,617	283,401
		BANKINTER SA	467,582	283,225
		OKAMOTO INDUSTRIES INC	355,691	282,877
		TSUMURA & CO	286,835	282,693
		SCOR SE	300,581	282,310
		AXALTA COATING SYSTEMS LTD	258,567	281,520
		GREENTOWN SERVICE GROUP CO LTD HK/02869	309,486	280,955
		ALMAWAVE SPA	280,743	280,914
		TAIHEIYO CEMENT CORP	402,832	279,894
		SAP SE	276,237	279,811
		LINK NET TBK PT	286,424	279,093

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, 2021

(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
		HI SUN TECHNOLOGY CHINA LTD HK/00818	281,571	278,140
		NITTO DENKO CORP	181,855	277,149
		VK CO LTD GDR	549,731	276,340
		TAPESTRY INC	191,073	275,674
		CHECK POINT SOFTWARE TECHNOLOG	259,797	273,333
		SANSEI TECHNOLOGIES INC	278,096	273,285
		FUKUDA DENSHI CO LTD	241,910	272,123
		QIWI PLC ADR	502,732	271,783
		AT&T INC	255,433	270,600
		WALMART INC	264,028	269,123
		PIRAEUS PORT AUTHORITY SA	280,487	268,947
		EIFPAGE SA	207,429	265,202
		CLP HOLDINGS LTD HK/00002	247,973	262,625
		FOURLIS HOLDINGS SA	322,055	260,360
		CJ ENM CO LTD	382,441	260,144
		DORMAKABA HOLDING AG	214,956	258,979
		TREND MICRO INC/JAPAN	232,338	255,256
		CGG SA	596,013	254,161
		AXA SA	207,395	251,323
		PROFARMA DISTRIBUIDORA DE PROD	303,698	248,429
		UNIVERSAL MUSIC GROUP NV	253,520	247,982
		SOCIETE BIC SA	313,357	247,537
		ABSA GROUP LTD	272,130	247,378
		STELLANTIS NV	189,249	246,333
		HONGKONG LAND HOLDINGS LTD	215,279	244,509
		HYUNDAI GLOVIS CO LTD	191,959	242,938
		TREVI - FINANZIARIA INDUSTRIAL	288,231	242,673
		SEINO HOLDINGS CO LTD	380,936	241,792
		ONTEX GROUP NV	349,777	241,650
		VICTORIA'S SECRET & CO	268,240	241,377
		UNIVAR SOLUTIONS INC	199,322	240,975
		BEIJING CAPITAL INTERNATIONAL HK/00694	344,613	240,357
		EASTMAN CHEMICAL CO	104,657	240,127
		DATALOGIC SPA	226,319	239,047
		TELEFONICA DEUTSCHLAND HOLDING	336,532	237,559
		QUALICORP CONSULTORIA E CORRET	411,941	236,894
		ROLLS-ROYCE HOLDINGS PLC	198,829	236,337
		IBERSOL SGPS SA	358,921	235,940
		COCA-COLA BOTTLERS JAPAN HOLDI	449,104	232,924
		LG CHEM LTD	131,637	232,290
		AUTOHOME INC HK/02518	446,826	229,410
		ASE TECHNOLOGY HOLDING CO LTD	197,114	228,902
		NICHI-IKO PHARMACEUTICAL CO LT	438,739	226,521
		TAKE-TWO INTERACTIVE SOFTWARE	196,673	216,818
		KONINKLIJKE PHILIPS NV	242,618	216,334
		BPOST SA	255,634	216,314
		REALREAL INC/THE	231,002	214,785
		IBERDROLA SA	198,609	213,089
		BOLSA DE VALORES DE COLOMBIA	306,308	213,064
		GREAT WESTERN BANCORP INC	201,213	212,929
		EAST WEST BANCORP INC	232,895	212,436
		ARCOS DORADOS HOLDINGS INC	231,965	212,334
		BATH & BODY WORKS INC	182,186	209,370
		DARDEN RESTAURANTS INC	187,585	206,377
		MICRON TECHNOLOGY INC	164,589	205,862
		CAPITAL & COUNTIES PROPERTIES	196,527	205,280
		DANIELI & C OFFICINE MECCANICH	191,769	203,814
		CJ CORP	258,849	203,177
		US BANCORP	184,598	198,954
		SECO SPA	100,420	198,368
		RE/MAX HOLDINGS INC	238,166	196,721
		VITAL KSK HOLDINGS INC	258,613	194,821
		VROOM INC	552,144	192,062
		COSCO CAPITAL INC	220,023	191,702
		VODAFONE GROUP PLC ADR	175,497	190,522

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, 2021

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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	
	TADANO LTD	217,764	190,512	
	TENCENT MUSIC ENTERTAINMENT GR ADR	226,858	187,142	
	CONSORCIO ARA SAB DE CV	197,403	186,752	
	HENRY SCHEIN INC	175,759	186,072	
	AGCO CORP	207,751	185,632	
	KINGSOFT CORP LTD HK/03888	183,649	185,389	
	BEYOND MEAT INC	295,282	185,054	
	CIELO SA	601,987	179,921	
	TRISUL SA	233,500	179,814	
	NOVO NORDISK A/S	100,452	179,697	
	SANLAM LTD	156,305	176,741	
	VNET GROUP INC ADR	362,491	176,645	
	WISDOMTREE INVESTMENTS INC	184,969	175,644	
	TOPPAN INC	153,690	175,431	
	CHANJET INFORMATION TECHNOLOGY HK/01588	174,092	173,945	
	B3 SA - BRASIL BOLSA BALCAO	229,308	173,600	
	CENTRICA PLC	146,774	172,671	
	SOLOCAL GROUP	1,108,451	172,647	
	GMO INTERNET INC	200,156	170,933	
	IQIYI INC ADR	615,204	170,257	
	VIVENDI SE	277,506	164,960	
	CALLAWAY GOLF CO	148,988	164,640	
	LANDIS+GYR GROUP AG	157,710	162,652	
	INDUSTRIAS PENOLES SAB DE CV	200,425	162,296	
	LOJAS RENNER SA	195,842	158,794	
	CHEGG INC	134,609	153,500	
	PARAMOUNT GLOBAL	205,932	147,882	
	HELLO GROUP INC ADR	481,790	147,173	
	SIEMENS GAMESA RENEWABLE ENERG	150,144	143,765	
	MEYER BURGER TECHNOLOGY AG	147,680	136,350	
	MARISA LOJAS SA	238,186	132,527	
	KINGSOFT CLOUD HOLDINGS LTD ADR	251,116	128,016	
	INVERSIONES LA CONSTRUCCION SA	451,441	127,109	
	AIRBNB INC	95,707	116,543	
	BOLIDEN AB	97,284	115,973	
	NKT A/S	101,589	110,987	
	ACERINOX SA	100,042	110,050	
	SAFRAN SA	103,455	108,964	
	KONINKLIJKE BAM GROEP NV	99,327	97,278	
	BANCO SANTANDER CHILE ADR	121,701	95,003	
	ALIBABA HEALTH INFORMATION TEC HK/00241	155,119	93,234	
	SOUTHWESTERN ENERGY CO	95,756	89,938	
	MELIA HOTELS INTERNATIONAL SA	99,453	88,731	
	MITSUBISHI ESTATE CO LTD	88,683	88,618	
	TULLOW OIL PLC	97,529	84,620	
	VONTIER CORP	96,557	82,971	
	BLOOMIN' BRANDS INC	96,455	81,822	
	GOURMET MASTER CO LTD	96,324	81,109	
	RECKITT BENCKISER GROUP PLC	74,738	77,052	
	GDS HOLDINGS LTD HK/09698	101,695	76,698	
	PINTEREST INC	96,083	76,335	
	H LUNDBECK A/S	83,171	71,617	
	KEPPEL CORP LTD	82,264	63,423	
	KBC GROUP NV	32,530	55,607	
	UNILEVER INDONESIA TBK PT	95,067	51,012	
	THALES SA	40,129	47,124	
	VODAFONE GROUP PLC	34,481	28,055	
	RICHEMONT(CIE FIN) WTS 22-NOV-2023 (TO SUB FOR ORD)	145,701	20,846	
	MARISA LOJAS SA RTS	37,502	12,123	
	VALID SOLUCOES SA -CW22 WTS EXP 05-SEP-2022	-	6,020	
	FRESENIUS KABI PHARMACEUTICALS RTS EXP 12/31/2010	750	750	
Corporate Stock Total		646,508,917	855,349,321	

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, 2021

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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				
	AT&T INC 3.550% 09/15/2055 DD 03/15/21	12,491,042	14,519,078	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.450% 01/23/2039 DD 01/23/19	8,350,226	9,051,351	
	AT&T INC 3.800% 12/01/2057 DD 06/01/21	8,924,343	8,914,148	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/31/2038 DD 10/31/17	7,644,842	8,504,366	
	CHARTER COMMUNICATIONS OPERATI 5.375% 05/01/2047 DD 11/01/17	7,094,535	7,811,730	
	COMCAST CORP 144A 2.937% 11/01/2056 DD 08/19/21	7,861,596	7,654,717	
	AT&T INC 3.500% 09/15/2053 DD 03/15/21	7,076,643	7,650,918	
	VERIZON COMMUNICATIONS INC 4.812% 03/15/2039 DD 02/03/17	6,888,596	7,157,761	
	JPMORGAN CHASE & CO VAR RT 12/10/2025 DD 12/10/21	7,070,000	7,081,028	
	WYETH LLC 5.950% 04/01/2037 DD 03/27/07	5,455,687	6,658,843	
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	6,361,041	6,361,040	
	BOEING CO/THE 5.805% 05/01/2050 DD 05/04/20	4,936,272	6,221,976	
	MORGAN STANLEY VAR RT 07/22/2038 DD 07/24/17	5,569,918	5,985,914	
	ABBOTT LABORATORIES 4.750% 11/30/2036 DD 11/22/16	4,942,994	5,769,118	
	EQUINOR ASA 2.875% 04/06/2025 DD 04/06/20	5,980,166	5,763,046	
	BRISTOL-MYERS SQUIBB CO 4.250% 10/26/2049 DD 04/26/20	5,208,138	5,624,171	
	EXXON MOBIL CORP 4.227% 03/19/2040 DD 03/19/20	4,868,291	5,609,597	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.550% 01/23/2049 DD 01/23/19	4,315,002	5,514,325	
	BOEING CO/THE 5.705% 05/01/2040 DD 05/04/20	4,305,563	5,503,934	
	COCA-COLA CO/THE 2.500% 06/01/2040 DD 05/01/20	5,402,352	5,441,159	
	DUKE ENERGY CAROLINAS LLC 6.000% 01/15/2038 DD 01/10/08	4,343,628	5,413,141	
	LOCKHEED MARTIN CORP 4.070% 12/15/2042 DD 12/14/12	4,763,589	5,365,463	
	SHELL INTERNATIONAL FINANCE BV 4.375% 05/11/2045 DD 05/11/15	4,515,987	5,155,609	
	BANK OF AMERICA CORP VAR RT 06/19/2041 DD 06/19/20	5,245,889	5,067,563	
	CVS HEALTH CORP 4.780% 03/25/2038 DD 03/09/18	4,608,115	5,003,646	
	AERCAP IRELAND CAPITAL DAC / A 1.150% 10/29/2023 DD 10/29/21	4,955,000	4,934,090	
	FLORIDA POWER & LIGHT CO 5.960% 04/01/2039 DD 03/17/09	3,720,898	4,821,292	
	GOLDMAN SACHS GROUP INC/THE 6.250% 02/01/2041 DD 01/28/11	3,584,131	4,813,693	
	AERCAP IRELAND CAPITAL DAC / A 1.650% 10/29/2024 DD 10/29/21	4,784,156	4,782,384	
	EXXON MOBIL CORP 3.452% 04/15/2051 DD 04/15/20	4,460,785	4,779,530	
	BARCLAYS PLC VAR RT 11/24/2027 DD 11/24/21	4,706,128	4,715,869	
	DUPONT DE NEMOURS INC 4.205% 11/15/2023 DD 11/28/18	4,764,706	4,611,049	
	WELLS FARGO & CO 4.650% 11/04/2044 DD 11/04/14	4,515,366	4,595,974	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.700% 02/01/2036 DD 02/01/19	3,601,130	4,515,105	
	GE CAPITAL INTERNATIONAL FUNDI 4.418% 11/15/2035 DD 05/15/16	3,493,239	4,429,115	
	RAYTHEON TECHNOLOGIES CORP 4.125% 11/16/2028 DD 08/16/18	4,602,597	4,416,191	
	HSBC HOLDINGS PLC 6.500% 09/15/2037 DD 09/12/07	3,388,853	4,409,102	
	VERIZON COMMUNICATIONS INC 3.700% 03/22/2061 DD 03/22/21	3,970,809	4,301,353	
	APPLE INC 3.750% 11/13/2047 DD 11/13/17	4,028,831	4,289,402	
	ABBVIE INC 4.050% 11/21/2039 DD 05/21/20	3,813,462	4,256,958	
	BANK OF AMERICA CORP VAR RT 04/24/2038 DD 04/24/17	3,991,172	4,245,468	
	MICROSOFT CORP 2.525% 06/01/2050 DD 06/01/20	4,393,119	4,234,435	
	ENTERPRISE PRODUCTS OPERATING 4.800% 02/01/2049 DD 10/11/18	3,889,624	4,230,904	
	VERIZON COMMUNICATIONS INC 2.987% 10/30/2056 DD 04/30/21	3,814,507	4,217,350	
	ABBVIE INC 4.250% 11/21/2049 DD 05/21/20	3,530,617	4,212,689	
	HSBC HOLDINGS PLC VAR RT 06/19/2029 DD 06/19/18	3,678,408	4,136,933	
	ORACLE CORP 4.125% 05/15/2045 DD 05/05/15	3,850,235	4,086,691	
	BANK OF AMERICA CORP VAR RT 03/20/2051 DD 03/20/20	3,355,000	4,044,989	
	TRANSCANADA PIPELINES LTD 6.200% 10/15/2037 DD 10/05/07	3,740,087	4,040,613	
	UNION PACIFIC CORP 3.799% 04/06/2071 DD 04/06/21	3,673,121	3,979,170	
	WELLS FARGO & CO 3.000% 10/23/2026 DD 10/25/16	3,973,060	3,905,245	
	TOTALENERGIES CAPITAL INTERNAT 3.127% 05/29/2050 DD 05/29/20	3,774,664	3,890,498	
	JPMORGAN CHASE & CO VAR RT 01/23/2049 DD 01/23/18	3,771,318	3,864,812	
	MORGAN STANLEY VAR RT 10/21/2025 DD 10/19/21	3,865,000	3,835,317	
	VODAFONE GROUP PLC 5.250% 05/30/2048 DD 05/30/18	3,047,720	3,826,105	
	BP CAPITAL MARKETS AMERICA INC 2.772% 11/10/2050 DD 08/10/20	4,040,685	3,817,458	
	VERIZON COMMUNICATIONS INC 4.750% 11/01/2041 DD 11/03/11	3,167,831	3,798,792	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.900% 02/01/2046 DD 02/01/19	2,906,864	3,760,443	
	BANK OF AMERICA CORP VAR RT 10/22/2030 DD 10/22/19	3,625,000	3,746,583	
	NORTHROP GRUMMAN CORP 4.750% 06/01/2043 DD 05/31/13	3,256,412	3,702,326	
	ABBVIE INC 4.500% 05/14/2035 DD 05/14/15	3,178,995	3,691,385	
	BANK OF AMERICA CORP VAR RT 10/24/2031 DD 10/21/20	3,711,666	3,630,720	
	EQUINOR ASA 3.625% 04/06/2040 DD 04/06/20	3,224,794	3,625,289	
	REYNOLDS AMERICAN INC 5.850% 08/15/2045 DD 06/12/15	3,413,423	3,618,767	
	GILEAD SCIENCES INC 4.150% 03/01/2047 DD 09/20/16	3,101,766	3,606,448	
	CITIGROUP INC VAR RT 03/26/2041 DD 03/26/20	3,120,439	3,599,943	

American Electric Power System Retirement Plan

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	CVS HEALTH CORP 5.050% 03/25/2048 DD 03/09/18	3,006,235	3,590,123	
	COMCAST CORP 3.400% 07/15/2046 DD 07/19/16	3,465,773	3,571,445	
	ROCHE HOLDINGS INC 144A 1.930% 12/13/2028 DD 12/13/21	3,540,000	3,556,603	
	AMGEN INC 3.150% 02/21/2040 DD 02/21/20	3,452,087	3,516,820	
	APPLE INC 4.650% 02/23/2046 DD 02/23/16	2,782,689	3,475,265	
	WELLS FARGO BANK NA 6.600% 01/15/2038 DD 12/07/07	2,590,069	3,454,936	
	MEXICO GOVERNMENT INTERNATIONA 3.771% 05/24/2061 DD 11/24/20	3,738,000	3,439,409	
	CONSTELLATION ENERGY GENERATIO 6.250% 10/01/2039 DD 09/23/09	3,265,157	3,435,889	
	NORFOLK SOUTHERN CORP 4.150% 02/28/2048 DD 02/28/18	2,953,892	3,415,486	
	CITIGROUP INC VAR RT 04/24/2048 DD 04/25/17	2,998,231	3,415,071	
	EMERA US FINANCE LP 4.750% 06/15/2046 DD 12/15/16	3,129,327	3,400,904	
	LOWE'S COS INC 4.050% 05/03/2047 DD 05/03/17	2,970,978	3,371,681	
	MICROSOFT CORP 2.921% 03/17/2052 DD 03/17/21	3,113,720	3,320,683	
	SHELL INTERNATIONAL FINANCE BV 6.375% 12/15/2038 DD 12/11/08	2,804,633	3,316,120	
	T-MOBILE USA INC 144A 3.400% 10/15/2052 DD 08/13/21	3,295,839	3,311,188	
	ENERGY TRANSFER LP 6.250% 04/15/2049 DD 01/15/19	2,860,221	3,299,084	
	PACIFIC GAS AND ELECTRIC CO 4.950% 07/01/2050 DD 07/02/20	3,196,342	3,248,545	
	ORACLE CORP 3.600% 04/01/2050 DD 04/01/20	3,509,019	3,222,142	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.439% 10/06/2048 DD 04/06/17	2,709,005	3,210,419	
	JPMORGAN CHASE & CO VAR RT 07/24/2038 DD 07/24/17	3,107,151	3,144,994	
	AMAZON.COM INC 4.050% 08/22/2047 DD 02/22/18	2,923,367	3,114,496	
	ORACLE CORP 3.850% 07/15/2036 DD 07/07/16	3,107,884	3,102,909	
	GILEAD SCIENCES INC 4.500% 02/01/2045 DD 11/17/14	2,775,998	3,093,811	
	VISA INC 4.300% 12/14/2045 DD 12/14/15	2,684,175	3,093,003	
	APPLE INC 2.650% 02/08/2051 DD 02/08/21	2,954,096	3,089,592	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.600% 04/15/2048 DD 04/04/18	2,882,824	3,076,256	
	STARBUCKS CORP 3.500% 11/15/2050 DD 05/07/20	2,806,073	3,053,430	
	JPMORGAN CHASE & CO VAR RT 10/15/2030 DD 09/12/19	2,950,000	3,033,987	
	BECLE SAB DE CV 144A 2.500% 10/14/2031 DD 10/14/21	3,023,717	3,005,937	
	CITIGROUP INC VAR RT 03/31/2031 DD 03/31/20	2,615,000	2,989,363	
	AMGEN INC 4.663% 06/15/2051 DD 12/15/16	2,412,722	2,984,905	
	SUNCOR ENERGY INC 6.500% 06/15/2038 DD 06/28/07	2,512,573	2,966,851	
	CHARTER COMMUNICATIONS OPERATI 6.484% 10/23/2045 DD 10/23/16	2,718,045	2,951,100	
	NEW YORK LIFE INSURANCE C 144A 6.750% 11/15/2039 DD 10/08/09	2,494,385	2,928,797	
	MIDAMERICAN ENERGY CO 4.250% 07/15/2049 DD 01/09/19	2,889,219	2,928,319	
	EQUINOR ASA 3.950% 05/15/2043 DD 05/15/13	2,684,573	2,919,539	
	WELLS FARGO BANK NA 5.850% 02/01/2037 DD 01/29/07	2,362,344	2,910,578	
	WELLS FARGO & CO 4.900% 11/17/2045 DD 11/17/15	2,553,923	2,886,106	
	7-ELEVEN INC 144A 0.800% 02/10/2024 DD 02/10/21	2,892,175	2,862,431	
	THERMO FISHER SCIENTIFIC INC 0.797% 10/18/2023 DD 10/22/21	2,860,000	2,850,333	
	RENESAS ELECTRONICS CORP 144A 1.543% 11/26/2024 DD 11/26/21	2,845,000	2,825,512	
	WALT DISNEY CO/THE 6.200% 12/15/2034 DD 06/15/19	2,802,152	2,804,474	
	USAA CAPITAL CORP 144A 1.500% 05/01/2023 DD 04/21/20	2,840,157	2,802,584	
	AETNA INC 2.750% 11/15/2022 DD 11/07/12	2,869,588	2,800,973	
	CANADIAN IMPERIAL BANK OF COMM 1.000% 10/18/2024 DD 10/18/21	2,824,407	2,800,620	
	ORACLE CORP 4.300% 07/08/2034 DD 07/08/14	2,637,818	2,772,525	
	ORACLE CORP 3.600% 04/01/2040 DD 04/01/20	2,978,851	2,763,693	
	GOLDMAN SACHS GROUP INC/THE VAR RT 01/27/2032 DD 01/27/21	2,767,452	2,759,598	
	CONSOLIDATED EDISON CO OF NEW 4.450% 03/15/2044 DD 03/06/14	2,338,034	2,749,664	
	COMCAST CORP 144A 2.987% 11/01/2063 DD 08/19/21	2,803,874	2,722,442	
	SCENTRE GROUP TRUST 2 144A VAR RT 09/24/2080 DD 09/24/20	2,515,000	2,694,194	
	RAYTHEON TECHNOLOGIES CORP 2.375% 03/15/2032 DD 11/16/21	2,689,543	2,690,404	
	CSX CORP 4.750% 05/30/2042 DD 11/01/11	2,175,449	2,685,079	
	ALABAMA POWER CO 4.300% 07/15/2048 DD 06/28/18	2,416,536	2,678,856	
	KINDER MORGAN INC 5.550% 06/01/2045 DD 11/26/14	2,102,889	2,675,438	
	UNITEDHEALTH GROUP INC 3.500% 08/15/2039 DD 07/25/19	2,522,180	2,672,455	
	MEXICO GOVERNMENT INTERNATIONA 5.000% 04/27/2051	2,445,185	2,667,415	
	ALTRIA GROUP INC 5.950% 02/14/2049 DD 02/14/19	2,587,565	2,667,373	
	SOUTHERN NATURAL GAS CO L 144A 0.625% 04/28/2023 DD 04/29/21	2,659,574	2,644,652	
	APPLE INC 3.450% 02/09/2045 DD 02/09/15	2,382,601	2,619,911	
	TRANSCONTINENTAL GAS PIPE LINE 7.850% 02/01/2026 DD 08/01/16	2,681,866	2,595,008	
	EVERSOURCE ENERGY 2.800% 05/01/2023 DD 05/13/13	2,634,457	2,584,450	
	HSBC HOLDINGS PLC VAR RT 05/24/2032 DD 05/24/21	2,565,000	2,575,850	
	SOUTHERN CO/THE 4.400% 07/01/2046 DD 05/24/16	2,484,113	2,561,936	
	MICROSOFT CORP 4.100% 02/06/2037 DD 02/06/17	2,100,432	2,554,775	

American Electric Power System Retirement Plan

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 EIN: 13-4922641 Plan Number: 001

December 31, 2021

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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	
	RAYTHEON TECHNOLOGIES CORP 4.500% 06/01/2042 DD 06/01/12	2,210,094	2,536,200	
	URUGUAY GOVERNMENT INTERNATION 5.100% 06/18/2050 DD 06/18/14	2,072,836	2,529,195	
	NORTHWESTERN MUTUAL LIFE 144A 3.625% 09/30/2059 DD 09/20/19	2,290,730	2,508,408	
	ANTHEM INC 4.550% 03/01/2048 DD 03/02/18	1,993,180	2,506,100	
	SUMITOMO MITSUI FINANCIAL GROU 1.902% 09/17/2028 DD 09/17/21	2,550,000	2,502,060	
	JPMORGAN CHASE & CO 5.600% 07/15/2041 DD 07/21/11	1,938,775	2,499,066	
	CITIGROUP INC VAR RT 11/03/2042 DD 11/03/21	2,515,000	2,497,571	
	MCDONALD'S CORP 4.450% 03/01/2047 DD 03/09/17	2,265,427	2,490,209	
	AMAZON.COM INC 3.250% 05/12/2061 DD 05/12/21	2,392,671	2,488,531	
	SHIRE ACQUISITIONS INVESTMENTS 2.875% 09/23/2023 DD 09/23/16	2,522,165	2,478,878	
	GEORGIA POWER CO 4.300% 03/15/2042 DD 03/06/12	2,161,348	2,465,921	
	HOME DEPOT INC/THE 4.200% 04/01/2043 DD 04/05/13	2,153,475	2,462,676	
	JPMORGAN CHASE & CO VAR RT 11/19/2026 DD 11/19/20	2,498,903	2,446,472	
	ANTHEM INC 4.650% 01/15/2043 DD 09/10/12	2,110,177	2,443,233	
	VIATRIS INC 3.850% 06/22/2040 DD 06/22/21	2,295,216	2,442,232	
	ASTRAZENECA PLC 6.450% 09/15/2037 DD 09/12/07	1,947,148	2,440,678	
	ROYALTY PHARMA PLC 0.750% 09/02/2023 DD 03/02/21	2,450,897	2,436,798	
	NATIONAL SECURITIES CLEAR 144A 1.500% 04/23/2025 DD 04/23/20	2,460,099	2,435,536	
	APPLE INC 2.650% 05/11/2050 DD 05/11/20	2,429,775	2,433,275	
	COMCAST CORP 3.200% 07/15/2036 DD 07/19/16	2,286,697	2,426,927	
	BAXTER INTERNATIONAL INC 144A 0.868% 12/01/2023 DD 12/01/21	2,391,840	2,390,592	
	DUPONT DE NEMOURS INC 5.319% 11/15/2038 DD 11/28/18	1,955,694	2,389,275	
	GENERAL MOTORS CO 5.000% 04/01/2035 DD 11/12/14	1,998,022	2,387,236	
	JPMORGAN CHASE & CO VAR RT 04/23/2029 DD 04/23/18	2,275,565	2,374,912	
	ALTRIA GROUP INC 2.450% 02/04/2032 DD 02/04/21	2,343,850	2,352,661	
	TIME WARNER CABLE LLC 5.875% 11/15/2040 DD 11/15/10	2,053,505	2,351,673	
	SKY LTD 144A 3.750% 09/16/2024 DD 09/16/14	2,344,716	2,343,044	
	PUBLIC SERVICE ENTERPRISE GROU 0.841% 11/08/2023 DD 11/08/21	2,340,000	2,331,342	
	CVS HEALTH CORP 4.125% 04/01/2040 DD 03/31/20	2,070,217	2,330,856	
	HYUNDAI CAPITAL AMERICA 144A 1.000% 09/17/2024 DD 09/17/21	2,365,734	2,329,544	
	MORGAN STANLEY 6.375% 07/24/2042 DD 07/24/12	1,726,363	2,327,016	
	STANFORD HEALTH CARE 3.310% 08/15/2030 DD 04/01/20	2,161,000	2,324,242	
	RAYTHEON TECHNOLOGIES CORP 4.050% 05/04/2047 DD 05/04/17	2,279,660	2,322,120	
	BANK OF AMERICA CORP VAR RT 01/20/2028 DD 01/20/17	2,407,557	2,313,337	
	JPMORGAN CHASE & CO VAR RT 06/23/2025 DD 06/23/21	2,331,006	2,307,772	
	MERCK & CO INC 2.900% 12/10/2061 DD 12/10/21	2,283,542	2,283,954	
	BANK OF AMERICA CORP VAR RT 04/22/2042 DD 04/22/21	2,200,006	2,281,932	
	PFIZER INC 4.000% 12/15/2036 DD 11/21/16	2,193,158	2,281,742	
	MORGAN STANLEY VAR RT 01/25/2024 DD 01/25/21	2,283,406	2,277,300	
	CHARTER COMMUNICATIONS OPERATI 3.850% 04/01/2061 DD 12/04/20	2,402,162	2,277,078	
	NORFOLK SOUTHERN CORP 3.050% 05/15/2050 DD 05/11/20	2,214,783	2,269,994	
	MOTIVA ENTERPRISES LLC 144A 6.850% 01/15/2040 DD 01/11/10	2,195,608	2,263,529	
	BANK OF AMERICA CORP 4.750% 04/21/2045 DD 04/21/15	1,701,641	2,260,834	
	ALTRIA GROUP INC 4.000% 02/04/2061 DD 02/04/21	2,330,965	2,254,496	
	AT&T INC 4.300% 02/15/2030 DD 08/15/18	2,262,500	2,253,080	
	MERCK & CO INC 1.700% 06/10/2027 DD 12/10/21	2,229,063	2,244,785	
	EVERNORTH HEALTH INC 4.500% 02/25/2026 DD 02/25/16	2,295,991	2,236,857	
	LOWE'S COS INC 5.000% 04/15/2040 DD 03/26/20	1,761,734	2,227,970	
	INTEL CORP 3.250% 11/15/2049 DD 11/21/19	2,098,803	2,224,719	
	ORACLE CORP 3.800% 11/15/2037 DD 11/09/17	2,342,691	2,218,559	
	UNITEDHEALTH GROUP INC 3.050% 05/15/2041 DD 05/19/21	2,102,014	2,214,677	
	ORACLE CORP 2.500% 04/01/2025 DD 04/01/20	2,277,029	2,211,494	
	UNITEDHEALTH GROUP INC 2.750% 05/15/2040 DD 05/18/20	2,111,699	2,209,277	
	AVALONBAY COMMUNITIES INC 4.350% 04/15/2048 DD 03/26/18	1,750,235	2,196,496	
	ABBVIE INC 3.200% 11/06/2022 DD 05/14/15	2,222,335	2,160,955	
	ORACLE CORP 4.000% 11/15/2047 DD 11/09/17	2,363,890	2,145,840	
	JPMORGAN CHASE & CO VAR RT 07/24/2048 DD 07/24/17	1,830,483	2,132,100	
	AMAZON.COM INC 2.700% 06/03/2060 DD 06/03/20	2,164,070	2,120,511	
	ATHENE GLOBAL FUNDING 144A 2.646% 10/04/2031 DD 10/04/21	2,145,000	2,118,831	
	DTE ENERGY CO VAR RT 10/01/2024 DD 07/01/19	2,151,052	2,115,520	
	CORNING INC 5.450% 11/15/2079 DD 11/19/19	1,635,239	2,114,922	
	EQUITABLE FINANCIAL LIFE 144A 1.700% 11/12/2026 DD 11/12/21	2,132,459	2,107,330	
	BOEING CO/THE 4.875% 05/01/2025 DD 05/04/20	2,117,211	2,106,932	
	BANK OF AMERICA CORP VAR RT 03/15/2050 DD 03/15/19	1,968,361	2,104,292	
	METLIFE INC 4.875% 11/13/2043 DD 11/13/13	1,604,922	2,100,517	

American Electric Power System Retirement Plan

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		BIAGEN INC 144A 3.250% 02/15/2051 DD 02/16/21	1,927,957	2,097,065
		EQUINIX INC 3.400% 02/15/2052 DD 05/17/21	2,028,190	2,092,955
		MONDELEZ INTERNATIONAL HO 144A 0.750% 09/24/2024 DD 09/24/21	2,121,728	2,089,789
*		BANK OF NEW YORK MELLON CORP/T VAR RT 02/07/2028 DD 02/07/17	2,086,440	2,088,074
		PACIFIC GAS AND ELECTRIC CO 3.500% 08/01/2050 DD 06/19/20	2,209,747	2,086,795
		PINNACLE WEST CAPITAL CORP 1.300% 06/15/2025 DD 06/17/20	2,143,376	2,086,122
		AMEREN CORP 2.500% 09/15/2024 DD 09/16/19	2,094,860	2,053,193
		SOUTHERN CALIFORNIA EDISON CO 3.600% 02/01/2045 DD 01/16/15	2,020,476	2,040,526
		TELEFONICA EMISIONES SA 5.213% 03/08/2047 DD 03/08/17	1,734,758	2,032,476
		JDE PEET'S NV 144A 0.800% 09/24/2024 DD 09/24/21	2,065,529	2,028,704
		UNION ELECTRIC CO 4.000% 04/01/2048 DD 04/06/18	1,736,043	2,021,660
		T-MOBILE USA INC 4.375% 04/15/2040 DD 04/15/21	1,740,446	2,013,645
		MITSUBISHI UFJ FINANCIAL GROUP VAR RT 07/20/2027 DD 07/20/21	2,040,000	2,004,830
		COMCAST CORP 3.400% 04/01/2030 DD 03/27/20	1,831,752	2,004,664
		DUKE ENERGY CAROLINAS LLC 3.750% 06/01/2045 DD 03/12/15	1,999,146	2,002,142
		TSMC ARIZONA CORP 1.750% 10/25/2026 DD 10/25/21	1,994,521	1,997,095
		ENTERPRISE PRODUCTS OPERATING 4.900% 05/15/2046 DD 05/07/15	1,764,362	1,976,978
		UNION PACIFIC CORP 3.250% 02/05/2050 DD 01/31/20	1,728,453	1,968,806
		AMERICAN WATER CAPITAL CORP 3.450% 05/01/2050 DD 04/14/20	1,935,886	1,964,550
		SAFEHOLD OPERATING PARTNERSHIP 2.850% 01/15/2032 DD 11/18/21	1,987,147	1,962,860
		HCA INC 5.250% 06/15/2049 DD 06/12/19	1,716,413	1,957,262
		DELTA AIR LINES INC / SKY 144A 4.500% 10/20/2025 DD 09/23/20	1,956,100	1,955,474
		ELECTRICITE DE FRANCE SA 144A 5.000% 09/21/2048 DD 09/21/18	1,455,780	1,955,400
		PHILLIPS 66 3.300% 03/15/2052 DD 11/15/21	1,920,739	1,940,379
		ROYAL BANK OF CANADA 0.650% 07/29/2024 DD 07/29/21	1,963,723	1,937,588
		GENERAL ELECTRIC CO 6.750% 03/15/2032 DD 03/20/02	1,750,813	1,931,800
		BAXTER INTERNATIONAL INC 144A 2.272% 12/01/2028 DD 12/01/21	1,915,000	1,930,588
		MEXICO GOVERNMENT INTERNATIONA 4.500% 01/31/2050 DD 07/31/19	1,752,288	1,923,900
		ENERGY TRANSFER LP 4.950% 01/15/2043 DD 01/10/13	1,810,888	1,923,522
		BURLINGTON NORTHERN SANTA FE L 4.375% 09/01/2042 DD 08/23/12	1,570,858	1,923,093
		CONSOLIDATED EDISON CO OF NEW 5.500% 12/01/2039 DD 12/04/09	1,767,887	1,919,358
		ABBVIE INC 4.550% 03/15/2035 DD 09/15/20	1,846,896	1,917,174
		JOHNSON & JOHNSON 3.700% 03/01/2046 DD 03/01/16	1,854,055	1,909,494
		NUTRIEN LTD 4.125% 03/15/2035 DD 03/15/18	1,607,421	1,908,091
		DUPONT DE NEMOURS INC 5.419% 11/15/2048 DD 11/28/18	1,371,247	1,904,870
		EQUINIX INC 2.950% 09/15/2051 DD 10/07/20	1,988,760	1,895,120
		MARSH & MCLENNAN COS INC 4.900% 03/15/2049 DD 01/15/19	1,393,507	1,881,395
		DUKE ENERGY CAROLINAS LLC 3.950% 03/15/2048 DD 03/01/18	1,876,294	1,880,666
		NATWEST MARKETS PLC 144A 1.600% 09/29/2026 DD 09/29/21	1,909,542	1,879,841
		MORGAN STANLEY 7.250% 04/01/2032 DD 04/03/02	1,517,856	1,878,793
		CREDIT SUISSE GROUP AG 144A VAR RT 06/05/2026 DD 06/05/20	1,894,165	1,856,107
		WALT DISNEY CO/THE 4.625% 03/23/2040 DD 03/23/20	1,665,934	1,844,287
		AT&T INC 4.500% 03/09/2048 DD 09/07/16	1,420,871	1,842,262
		AMERICAN INTERNATIONAL GROUP I 4.500% 07/16/2044 DD 07/16/14	1,523,600	1,835,463
		BOEING CO/THE 5.930% 05/01/2060 DD 05/04/20	1,471,759	1,831,598
		BERKSHIRE HATHAWAY ENERGY CO 3.800% 07/15/2048 DD 01/05/18	1,616,585	1,831,256
		PARKER-HANNIFIN CORP 4.200% 11/21/2034 DD 11/21/14	1,603,283	1,830,727
		BLACKSTONE HOLDINGS FINAN 144A 1.625% 08/05/2028 DD 08/05/21	1,874,680	1,827,416
		NATIONWIDE MUTUAL INSURAN 144A 9.375% 08/15/2039 DD 08/10/09	1,819,036	1,825,467
		GEORGIA POWER CO 4.300% 03/15/2043 DD 03/15/13	1,728,538	1,814,778
		ABBVIE INC 4.875% 11/14/2048 DD 09/18/18	1,514,753	1,811,568
		PACIFICORP 6.250% 10/15/2037 DD 10/03/07	1,857,381	1,796,660
		HOME DEPOT INC/THE 3.300% 04/15/2040 DD 03/30/20	1,630,425	1,788,280
		AMAZON.COM INC 4.950% 12/05/2044 DD 12/05/14	1,695,706	1,787,823
		JPMORGAN CHASE & CO VAR RT 06/01/2025 DD 06/01/21	1,791,341	1,784,261
		DOMINION ENERGY INC 4.050% 09/15/2042 DD 09/13/12	1,560,670	1,779,384
		ROCHE HOLDINGS INC 144A 2.607% 12/13/2051 DD 12/13/21	1,815,000	1,777,883
		RAYTHEON TECHNOLOGIES CORP 4.450% 11/16/2038 DD 08/16/18	1,747,686	1,769,852
		UNITEDHEALTH GROUP INC 6.875% 02/15/2038 DD 02/07/08	1,230,277	1,766,745
		BURLINGTON NORTHERN SANTA FE L 4.550% 09/01/2044 DD 08/18/14	1,642,191	1,752,053
		DOW CHEMICAL CO/THE 3.600% 11/15/2050 DD 08/26/20	1,598,086	1,749,941
		SEMPRA ENERGY 3.800% 02/01/2038 DD 01/12/18	1,631,933	1,746,514
		SUMITOMO MITSUI FINANCIAL GROU 2.348% 01/15/2025 DD 01/15/20	1,795,071	1,742,585
		PUBLIC SERVICE ELECTRIC AND GA 4.050% 05/01/2048 DD 05/04/18	1,436,055	1,732,122
		CHARTER COMMUNICATIONS OPERATI 4.800% 03/01/2050 DD 10/24/19	1,614,081	1,725,404

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	NESTLE HOLDINGS INC 144A 3.900% 09/24/2038 DD 09/24/18	1,492,419	1,718,862	
	DISCOVERY COMMUNICATIONS LLC 4.650% 05/15/2050 DD 05/18/20	1,458,131	1,718,566	
	KINDER MORGAN ENERGY PARTNERS 5.500% 03/01/2044 DD 02/24/14	1,432,456	1,714,818	
	CONSOLIDATED EDISON CO OF NEW 3.950% 04/01/2050 DD 03/31/20	1,552,761	1,714,047	
	AMERICAN CAMPUS COMMUNITIES OP 2.250% 01/15/2029 DD 10/07/21	1,728,754	1,712,596	
	JDE PEET'S NV 144A 1.375% 01/15/2027 DD 09/24/21	1,758,584	1,710,404	
	INTERCONTINENTAL EXCHANGE INC 3.000% 06/15/2050 DD 05/26/20	1,659,658	1,707,253	
	FEDEX CORP 4.050% 02/15/2048 DD 01/31/18	1,508,698	1,706,602	
	TEXAS HEALTH RESOURCES 3.372% 11/15/2051 DD 09/18/19	1,540,922	1,698,389	
	PHILLIPS 66 4.650% 11/15/2034 DD 11/17/14	1,427,178	1,695,346	
	DUKE ENERGY PROGRESS LLC 3.600% 09/15/2047 DD 09/08/17	1,527,751	1,691,767	
	ENERGY TRANSFER LP 6.625% 10/15/2036 DD 10/23/06	1,661,242	1,687,717	
	MERCK & CO INC 3.700% 02/10/2045 DD 02/10/15	1,654,998	1,679,914	
	AMGEN INC 3.375% 02/21/2050 DD 02/21/20	1,660,558	1,675,877	
	CVS HEALTH CORP 5.125% 07/20/2045 DD 07/20/15	1,379,776	1,662,345	
	BERKSHIRE HATHAWAY FINANCE COR 4.200% 08/15/2048 DD 08/15/18	1,592,631	1,658,507	
	GUARDIAN LIFE GLOBAL FUND 144A 1.625% 09/16/2028 DD 09/16/21	1,708,991	1,656,152	
	MERCK & CO INC 2.450% 06/24/2050 DD 06/24/20	1,708,788	1,655,553	
	CONOCOPHILLIPS 5.900% 05/15/2038 DD 05/08/08	1,468,533	1,654,728	
	MEXICO CITY AIRPORT TRUST 144A 5.500% 07/31/2047 DD 09/20/17	1,715,005	1,653,427	
	BOEING CO/THE 1.433% 02/04/2024 DD 02/04/21	1,658,145	1,652,749	
	LYB INTERNATIONAL FINANCE III 3.625% 04/01/2051 DD 10/08/20	1,562,495	1,652,623	
	SHELL INTERNATIONAL FINANCE BV 5.500% 03/25/2040 DD 03/25/10	1,636,155	1,650,140	
	DUKE ENERGY PROGRESS LLC 4.150% 12/01/2044 DD 11/20/14	1,634,556	1,649,648	
	CLEVELAND ELECTRIC ILLUMINATIN 5.950% 12/15/2036 DD 12/11/06	1,545,083	1,645,515	
	BANK OF AMERICA CORP 6.110% 01/29/2037 DD 01/29/07	1,348,686	1,644,401	
	MORGAN STANLEY VAR RT 01/22/2031 DD 01/22/20	1,612,932	1,643,681	
	BURLINGTON NORTHERN SANTA FE L 3.900% 08/01/2046 DD 05/16/16	1,577,759	1,635,617	
	BP CAPITAL MARKETS AMERICA INC 3.001% 03/17/2052 DD 09/17/21	1,675,000	1,635,185	
	PFIZER INC 4.200% 09/15/2048 DD 09/07/18	1,386,977	1,630,094	
	BAXTER INTERNATIONAL INC 144A 1.322% 11/29/2024 DD 12/01/21	1,630,000	1,628,093	
	T-MOBILE USA INC 3.000% 02/15/2041 DD 02/15/21	1,626,416	1,625,289	
	PROVINCE OF ONTARIO CANADA 1.800% 10/14/2031 DD 10/14/21	1,630,095	1,624,798	
	DISCOVERY COMMUNICATIONS LLC 5.200% 09/20/2047 DD 09/21/17	1,488,984	1,623,985	
	BERKSHIRE HATHAWAY FINANCE COR 4.300% 05/15/2043 DD 05/15/13	1,655,484	1,622,319	
	PUBLIC SERVICE CO OF COLORADO 4.300% 03/15/2044 DD 03/10/14	1,350,000	1,622,138	
	MIDAMERICAN ENERGY CO 5.750% 11/01/2035 DD 11/01/05	1,466,140	1,621,378	
	FIFTH THIRD BANCORP VAR RT 11/01/2027 DD 11/01/21	1,640,000	1,620,812	
	MORGAN STANLEY VAR RT 02/13/2032 DD 11/13/20	1,710,000	1,620,447	
	FIDELITY NATIONAL INFORMATION 3.100% 03/01/2041 DD 03/02/21	1,604,207	1,620,032	
	RAYTHEON TECHNOLOGIES CORP 3.030% 03/15/2052 DD 11/16/21	1,599,408	1,614,144	
	ARROW ELECTRONICS INC 2.950% 02/15/2032 DD 12/01/21	1,586,152	1,607,538	
	WALMART INC 2.650% 09/22/2051 DD 09/22/21	1,559,210	1,606,832	
	BAXTER INTERNATIONAL INC 144A 3.132% 12/01/2051 DD 12/01/21	1,561,417	1,606,175	
	OGLETHORPE POWER CORP 5.050% 10/01/2048 DD 04/01/19	1,588,132	1,601,351	
	GOLDMAN SACHS GROUP INC/THE VAR RT 05/01/2029 DD 04/23/18	1,614,603	1,600,819	
	NATWEST MARKETS PLC 144A 0.800% 08/12/2024 DD 05/12/21	1,621,994	1,598,464	
	TENNESSEE GAS PIPELINE CO LLC 7.000% 10/15/2028 DD 10/09/98	1,613,188	1,595,988	
	BERKSHIRE HATHAWAY ENERGY CO 2.850% 05/15/2051 DD 10/29/20	1,647,971	1,594,379	
	AMAZON.COM INC 2.875% 05/12/2041 DD 05/12/21	1,524,232	1,592,485	
	AMERICAN HONDA FINANCE CORP 0.750% 08/09/2024 DD 09/09/21	1,603,941	1,587,233	
	MITSUBISHI UFJ FINANCIAL GROUP 3.195% 07/18/2029 DD 07/18/19	1,587,735	1,586,025	
	MCDONALD'S CORP 3.625% 09/01/2049 DD 08/12/19	1,490,920	1,583,839	
	DAIMLER TRUCKS FINANCE NO 144A 1.125% 12/14/2023 DD 12/14/21	1,576,429	1,580,632	
	DUKE ENERGY CORP 3.300% 06/15/2041 DD 06/10/21	1,541,168	1,572,455	
	ANTHEM INC 4.650% 08/15/2044 DD 08/12/14	1,417,893	1,571,913	
	VODAFONE GROUP PLC 4.375% 02/19/2043 DD 02/19/13	1,293,087	1,569,613	
	BROADCOM INC 4.300% 11/15/2032 DD 05/08/20	1,522,732	1,569,528	
	VERIZON COMMUNICATIONS INC 2.650% 11/20/2040 DD 11/20/20	1,577,746	1,562,887	
	BANK OF AMERICA CORP VAR RT 07/23/2030 DD 07/23/19	1,475,000	1,556,951	
	GENERAL MOTORS FINANCIAL CO IN 3.850% 01/05/2028 DD 01/05/18	1,576,237	1,554,647	
	BOEING CO/THE 3.250% 02/01/2028 DD 11/02/20	1,558,713	1,553,757	
	AMERICAN INTERNATIONAL GROUP I 4.750% 04/01/2048 DD 03/26/18	1,220,406	1,550,117	
	HOME DEPOT INC/THE 5.875% 12/16/2036 DD 12/19/06	1,524,932	1,546,198	
	FOX CORP 5.476% 01/25/2039 DD 01/25/20	1,270,725	1,544,705	

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, 2021

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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	
	OHIOHEALTH CORP 2.297% 11/15/2031 DD 10/26/21	1,530,000	1,543,158	
	DOMINION ENERGY INC 4.700% 12/01/2044 DD 11/25/14	1,240,418	1,539,567	
	APPLE INC 4.375% 05/13/2045 DD 05/13/15	1,275,612	1,539,566	
	EMERSON ELECTRIC CO 2.000% 12/21/2028 DD 12/21/21	1,536,597	1,538,568	
	TRANSCANADA PIPELINES LTD 7.250% 08/15/2038 DD 08/11/08	1,164,277	1,538,361	
	BRIXMOR OPERATING PARTNERSHIP 2.500% 08/16/2031 DD 08/16/21	1,554,930	1,527,458	
	FOMENTO ECONOMICO MEXICANO SAB 3.500% 01/16/2050 DD 01/16/20	1,432,463	1,520,557	
	PARAMOUNT GLOBAL 5.250% 04/01/2044 DD 03/11/14	1,445,943	1,519,082	
	WALT DISNEY CO/THE 3.600% 01/13/2051 DD 05/13/20	1,424,984	1,509,763	
	WESTERN MIDSTREAM OPERATING LP VAR RT 02/01/2050 DD 01/13/20	1,277,538	1,508,870	
	CITIGROUP INC 4.750% 05/18/2046 DD 05/18/16	1,206,909	1,504,955	
	MEXICO GOVERNMENT INTERNATIONA 4.750% 03/08/2044 DD 03/08/12	1,369,908	1,504,666	
	ACTIVISION BLIZZARD INC 2.500% 09/15/2050 DD 08/10/20	1,532,237	1,503,654	
	MEXICO GOVERNMENT INTERNATIONA 4.280% 08/14/2041 DD 04/14/21	1,449,101	1,502,563	
	CVS HEALTH CORP 2.700% 08/21/2040 DD 08/21/20	1,544,289	1,492,346	
	GOLDMAN SACHS GROUP INC/THE VAR RT 11/17/2023 DD 11/19/20	1,497,115	1,491,203	
	HOME DEPOT INC/THE 3.350% 04/15/2050 DD 03/30/20	1,393,789	1,490,995	
	BLACKROCK INC 1.900% 01/28/2031 DD 05/06/20	1,504,624	1,489,706	
	UNITEDHEALTH GROUP INC 4.625% 07/15/2035 DD 07/23/15	1,179,858	1,477,124	
	TELEFONICA EMISIONES SA 4.665% 03/06/2038 DD 03/06/18	1,404,763	1,476,416	
	ERAC USA FINANCE LLC 144A 5.625% 03/15/2042 DD 03/15/12	1,530,902	1,473,387	
	WALT DISNEY CO/THE 3.500% 05/13/2040 DD 05/13/20	1,363,129	1,465,990	
	CORPORATE OFFICE PROPERTIES LP 2.900% 12/01/2033 DD 11/17/21	1,487,914	1,462,155	
	COMCAST CORP 7.050% 03/15/2033 DD 03/14/03	1,240,949	1,462,138	
	METLIFE INC 6.500% 12/15/2032 DD 12/10/02	1,138,780	1,457,254	
	HSBC HOLDINGS PLC VAR RT 08/17/2024 DD 08/17/21	1,470,000	1,457,123	
	MEXICO GOVERNMENT INTERNATIONA 5.000% 04/27/2051 DD 04/27/20	1,426,529	1,447,214	
	BAT CAPITAL CORP 4.540% 08/15/2047 DD 08/15/18	1,488,667	1,440,387	
	ROYALTY PHARMA PLC 3.350% 09/02/2051 DD 07/26/21	1,463,475	1,440,240	
	INTEL CORP 3.734% 12/08/2047 DD 06/08/18	1,399,379	1,436,726	
	JPMORGAN CHASE & CO VAR RT 05/13/2031 DD 05/13/20	1,385,000	1,435,456	
	PERUVIAN GOVERNMENT INTERNATIO 3.000% 01/15/2034 DD 11/02/21	1,427,976	1,434,240	
	ASSURANT INC 2.650% 01/15/2032 DD 06/14/21	1,457,693	1,433,545	
	HASBRO INC 3.900% 11/19/2029 DD 11/19/19	1,455,994	1,429,097	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 05/07/2041	1,436,995	1,428,610	
	SUNCOR ENERGY INC 5.950% 12/01/2034 DD 12/01/03	1,290,402	1,421,643	
	AMERICA MOVIL SAB DE CV 6.375% 03/01/2035 DD 02/25/05	913,669	1,416,366	
	GOLDMAN SACHS GROUP INC/THE 4.800% 07/08/2044 DD 07/08/14	1,366,384	1,415,350	
	MORGAN STANLEY VAR RT 10/20/2032 DD 10/19/21	1,408,880	1,410,296	
	T-MOBILE USA INC 144A 2.400% 03/15/2029 DD 12/06/21	1,394,079	1,409,759	
	WELLS FARGO & CO VAR RT 04/04/2051 DD 03/30/20	1,025,000	1,404,578	
	VERIZON COMMUNICATIONS INC 4.500% 08/10/2033 DD 08/10/17	1,186,644	1,400,809	
	SYSCO CORP 2.450% 12/14/2031 DD 12/14/21	1,395,363	1,400,315	
	COCA-COLA EUROPACIFIC PAR 144A 0.500% 05/05/2023 DD 05/05/21	1,403,693	1,393,479	
	UNITEDHEALTH GROUP INC 4.250% 06/15/2048 DD 06/19/18	1,303,270	1,392,149	
	CSX CORP 4.100% 03/15/2044 DD 10/22/12	1,290,835	1,391,296	
	*COCA-COLA EUROPACIFIC PAR 144A 0.800% 05/03/2024 DD 05/05/21	1,404,424	1,382,028	
	BROADRIDGE FINANCIAL SOLUTIONS 2.600% 05/01/2031 DD 05/17/21	1,374,409	1,381,669	
	DELL INTERNATIONAL LLC / EMC C 8.100% 07/15/2036 DD 01/15/21	1,297,974	1,375,811	
	BNP PARIBAS SA 144A VAR RT 09/15/2029 DD 09/15/21	1,390,000	1,362,158	
	BOEING CO/THE 5.150% 05/01/2030 DD 05/04/20	1,392,629	1,358,600	
	FEDEX CORP 4.550% 04/01/2046 DD 03/24/16	1,194,749	1,354,778	
	MERCK & CO INC 2.750% 12/10/2051 DD 12/10/21	1,356,682	1,352,792	
	AT&T INC 3.500% 06/01/2041 DD 05/28/20	1,333,432	1,344,881	
	GOLDMAN SACHS GROUP INC/THE 6.750% 10/01/2037 DD 10/03/07	961,341	1,341,207	
	TAKEDA PHARMACEUTICAL CO LTD 3.025% 07/09/2040 DD 07/09/20	1,333,173	1,340,945	
	J M SMUCKER CO/THE 4.250% 03/15/2035 DD 09/15/15	1,135,748	1,333,333	
	SALESFORCE INC 3.050% 07/15/2061 DD 07/12/21	1,285,846	1,333,009	
	EXXON MOBIL CORP 4.327% 03/19/2050 DD 03/19/20	1,099,233	1,330,798	
	NORTHROP GRUMMAN CORP 4.030% 10/15/2047 DD 10/13/17	1,283,513	1,330,425	
	T-MOBILE USA INC 4.500% 04/15/2050 DD 04/15/21	1,160,160	1,328,280	
	BALTIMORE GAS AND ELECTRIC CO 6.350% 10/01/2036 DD 04/01/07	1,156,848	1,326,497	
	GENERAL DYNAMICS CORP 4.250% 04/01/2040 DD 03/25/20	1,194,997	1,322,158	
	DELL INTERNATIONAL LLC / 144A 3.375% 12/15/2041 DD 12/13/21	1,325,584	1,320,251	
	PECO ENERGY CO 3.700% 09/15/2047 DD 09/18/17	1,298,063	1,314,616	

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, 2021

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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	
	ALTRIA GROUP INC 4.250% 08/09/2042 DD 08/09/12	1,232,416	1,314,251	
	ROYALTY PHARMA PLC 3.550% 09/02/2050 DD 03/02/21	1,291,228	1,313,545	
	PACIFIC LIFE GLOBAL FUNDI 144A 1.600% 09/21/2028 DD 09/21/21	1,352,683	1,312,643	
	WACHOVIA CORP 5.500% 08/01/2035 DD 08/01/05	1,129,875	1,311,900	
	BAXTER INTERNATIONAL INC 144A 1.915% 02/01/2027 DD 12/01/21	1,304,974	1,310,598	
	MCDONALD'S CORP 6.300% 10/15/2037 DD 10/18/07	1,287,622	1,309,654	
	BANK OF MONTREAL VAR RT 01/22/2027 DD 01/22/21	1,320,587	1,306,787	
	BP CAPITAL MARKETS PLC 3.723% 11/28/2028 DD 11/28/16	1,188,000	1,305,624	
	ATHENE GLOBAL FUNDING 144A 1.985% 08/19/2028 DD 08/19/21	1,337,108	1,303,217	
	PHILIP MORRIS INTERNATIONAL IN 3.875% 08/21/2042 DD 08/21/12	1,147,505	1,299,725	
	NARRAGANSETT ELECTRIC CO/ 144A 3.919% 08/01/2028 DD 07/27/18	1,311,309	1,295,264	
	LOCKHEED MARTIN CORP 6.150% 09/01/2036 DD 08/30/06	1,348,511	1,293,159	
	VIATRIS INC 4.000% 06/22/2050 DD 06/22/21	1,201,867	1,287,952	
	NIPPON LIFE INSURANCE CO 144A VAR RT 01/21/2051 DD 01/21/21	1,261,268	1,283,800	
	COMCAST CABLE COMMUNICATIONS H 9.455% 11/15/2022 DD 11/18/02	1,405,965	1,281,856	
	COMCAST CORP 3.900% 03/01/2038 DD 02/08/18	1,086,475	1,278,142	
	NESTLE HOLDINGS INC 144A 4.000% 09/24/2048 DD 09/24/18	1,156,083	1,276,352	
	TEACHERS INSURANCE & ANNU 144A 4.270% 05/15/2047 DD 05/08/17	1,048,634	1,274,877	
	DTE ELECTRIC CO 4.300% 07/01/2044 DD 07/02/14	1,061,671	1,271,477	
	GOLDMAN SACHS GROUP INC/THE 5.150% 05/22/2045 DD 05/22/15	1,116,511	1,271,049	
	UNUM GROUP 4.500% 12/15/2049 DD 09/11/19	1,057,518	1,269,897	
	OTIS WORLDWIDE CORP 3.112% 02/15/2040 DD 08/15/20	1,223,977	1,268,141	
	BPCE SA 144A VAR RT 10/19/2032 DD 10/19/21	1,260,000	1,265,494	
	PPL ELECTRIC UTILITIES CORP 4.125% 06/15/2044 DD 06/05/14	1,074,892	1,264,404	
	HCA INC 3.500% 07/15/2051 DD 06/30/21	1,228,837	1,263,776	
	ISRAEL GOVERNMENT INTERNATIONA 4.125% 01/17/2048 DD 01/17/18	1,027,740	1,260,596	
	AMAZON.COM INC 3.875% 08/22/2037 DD 02/22/18	1,247,027	1,259,230	
	MCDONALD'S CORP 4.600% 05/26/2045 DD 05/26/15	1,052,460	1,257,844	
	TECK RESOURCES LTD 6.250% 07/15/2041 DD 07/05/11	1,014,735	1,256,378	
	INTEL CORP 4.750% 03/25/2050 DD 03/25/20	938,957	1,256,188	
	SOUTHERN CALIFORNIA EDISON CO 4.500% 09/01/2040 DD 08/30/10	1,119,188	1,249,821	
	CREDIT SUISSE GROUP AG 4.875% 05/15/2045 DD 11/15/15	1,121,123	1,244,629	
	HUMANA INC 0.650% 08/03/2023 DD 08/03/21	1,249,163	1,243,625	
	CITIGROUP INC VAR RT 05/01/2032 DD 05/04/21	1,235,000	1,242,818	
	BIOGEN INC 3.150% 05/01/2050 DD 04/30/20	1,262,710	1,242,753	
	ALCON FINANCE CORP 144A 3.800% 09/23/2049 DD 09/23/19	1,144,543	1,240,425	
	BANK OF AMERICA CORP VAR RT 02/13/2031 DD 02/13/20	1,245,584	1,239,397	
	DUKE ENERGY INDIANA LLC 3.250% 10/01/2049 DD 09/27/19	1,166,313	1,238,942	
	VMWARE INC 2.200% 08/15/2031 DD 08/02/21	1,257,518	1,237,093	
	UNITED PARCEL SERVICE INC 3.750% 11/15/2047 DD 11/14/17	1,032,402	1,235,003	
	PERUVIAN GOVERNMENT INTERNATIO 2.780% 12/01/2060 DD 12/01/20	1,388,581	1,228,514	
	PANASONIC HOLDINGS CORP 144A 2.679% 07/19/2024 DD 07/19/19	1,247,764	1,228,306	
	REYNOLDS AMERICAN INC 5.700% 08/15/2035 DD 06/12/15	1,090,022	1,223,743	
	UNICREDIT SPA 144A VAR RT 06/03/2032 DD 06/03/21	1,230,000	1,217,159	
	ROYAL BANK OF CANADA 2.300% 11/03/2031 DD 10/29/21	1,208,596	1,217,103	
	AON CORP / AON GLOBAL HOLDINGS 2.050% 08/23/2031 DD 08/23/21	1,209,767	1,211,783	
	NORTHERN NATURAL GAS CO 144A 4.100% 09/15/2042 DD 08/27/12	967,330	1,208,650	
	FEDEX CORP 4.400% 01/15/2047 DD 01/06/17	1,202,611	1,205,161	
	CARGILL INC 144A 2.125% 11/10/2031 DD 11/10/21	1,214,547	1,204,323	
	MITSUBISHI UFJ FINANCIAL GROUP VAR RT 07/19/2025 DD 07/20/21	1,215,000	1,200,335	
	APPLE INC 2.850% 08/05/2061 DD 08/05/21	1,188,584	1,198,104	
	LOCKHEED MARTIN CORP 3.600% 03/01/2035 DD 02/20/15	1,080,412	1,192,950	
	KOHL'S CORP 3.375% 05/01/2031 DD 03/31/21	1,168,393	1,192,838	
	NVIDIA CORP 3.500% 04/01/2050 DD 03/31/20	1,037,317	1,190,051	
	ORACLE CORP 2.950% 04/01/2030 DD 04/01/20	1,184,953	1,184,450	
	CHARTER COMMUNICATIONS OPERATI 3.700% 04/01/2051 DD 04/17/20	1,221,527	1,183,742	
	SIMON PROPERTY GROUP LP 3.250% 09/13/2049 DD 09/13/19	1,145,014	1,181,775	
	ASTRAZENCA PLC 4.000% 09/18/2042 DD 09/18/12	965,679	1,181,149	
	BOSTON SCIENTIFIC CORP 4.550% 03/01/2039 DD 02/25/19	1,163,475	1,181,005	
	MEDTRONIC INC 4.375% 03/15/2035 DD 03/15/15	971,338	1,177,696	
	DOMINION ENERGY INC VAR RT 12/31/2049 DD 12/09/21	1,140,000	1,177,050	
	INTERNATIONAL FLAVORS & F 144A 3.268% 11/15/2040 DD 09/16/20	1,154,931	1,176,021	
	AMERICAN WATER CAPITAL CORP 3.750% 09/01/2047 DD 08/10/17	1,144,897	1,174,961	
	SYNCHRONY FINANCIAL 4.500% 07/23/2025 DD 07/23/15	1,194,531	1,172,766	
	EXELON CORP 5.100% 06/15/2045 DD 12/15/15	901,959	1,167,794	

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	EVERGY METRO INC 4.200% 03/15/2048 DD 03/01/18	1,093,357	1,167,710	
	AETNA INC 4.125% 11/15/2042 DD 11/07/12	1,006,310	1,167,233	
	UBS AG/LONDON 144A 0.700% 08/09/2024 DD 08/09/21	1,179,516	1,166,536	
	BRIGHTHOUSE FINANCIAL INC 4.700% 06/22/2047 DD 12/22/17	1,048,495	1,163,609	
	VERIZON COMMUNICATIONS INC 3.850% 11/01/2042 DD 11/07/12	881,430	1,160,163	
	SOUTHERN POWER CO 5.150% 09/15/2041 DD 09/22/11	1,140,901	1,158,826	
	CISCO SYSTEMS INC 5.500% 01/15/2040 DD 11/17/09	915,959	1,158,556	
	WILLIAMS COS INC/THE 6.300% 04/15/2040 DD 02/09/10	1,052,572	1,157,794	
	DEUTSCHE BANK AG/NEW YORK NY VAR RT 11/16/2027 DD 11/16/21	1,155,000	1,154,838	
	NORTHWELL HEALTHCARE INC 6.150% 11/01/2043 DD 09/17/13	976,891	1,152,914	
	COMMONSPIRIT HEALTH 4.187% 10/01/2049 DD 08/21/19	1,139,134	1,150,086	
	DEUTSCHE BANK AG/NEW YORK NY VAR RT 04/01/2025 DD 04/01/21	1,150,000	1,143,066	
	ANTHEM INC 4.375% 12/01/2047 DD 11/21/17	934,991	1,142,888	
	AERCAP IRELAND CAPITAL DAC / A 3.400% 10/29/2033 DD 10/29/21	1,115,933	1,136,687	
	CORP NACIONAL DEL COBRE D 144A 3.700% 01/30/2050 DD 09/30/19	1,084,981	1,135,685	
	WHIRLPOOL CORP 4.600% 05/15/2050 DD 05/07/20	969,926	1,135,533	
	ATMOS ENERGY CORP 4.125% 10/15/2044 DD 10/15/14	970,173	1,134,703	
	BANK OF AMERICA CORP 4.000% 01/22/2025 DD 01/22/15	1,151,690	1,132,419	
	ASSURANT INC 3.700% 02/22/2030 DD 08/22/19	1,149,071	1,130,529	
	DISCOVERY COMMUNICATIONS LLC 4.000% 09/15/2055 DD 03/15/21	935,249	1,129,773	
	CONAGRA BRANDS INC 5.400% 11/01/2048 DD 10/22/18	1,026,682	1,128,169	
	PHILIPPINE GOVERNMENT INTERNAT 2.950% 05/05/2045 DD 05/05/20	1,194,170	1,127,791	
	TIME WARNER CABLE LLC 6.750% 06/15/2039 DD 06/29/09	1,019,783	1,126,538	
	CHEVRON CORP 2.978% 05/11/2040 DD 05/11/20	1,095,000	1,125,211	
	NORTHROP GRUMMAN CORP 5.150% 05/01/2040 DD 03/23/20	1,171,850	1,125,002	
	SEMPRA ENERGY 4.000% 02/01/2048 DD 01/12/18	998,199	1,121,781	
	PACIFIC LIFE GLOBAL FUNDI 144A 1.200% 06/24/2025 DD 06/24/20	1,144,477	1,121,369	
	PHILIP MORRIS INTERNATIONAL IN 4.375% 11/15/2041 DD 11/15/11	1,204,861	1,115,505	
	SUNCOR ENERGY INC 4.000% 11/15/2047 DD 11/15/17	1,090,798	1,115,150	
	AT&T INC 3.650% 09/15/2059 DD 03/15/21	1,050,165	1,114,518	
	ABBVIE INC 4.450% 05/14/2046 DD 05/12/16	923,004	1,111,291	
	FEDEX CORP 3.250% 05/15/2041 DD 04/29/21	1,075,723	1,106,341	
	ZOETIS INC 3.950% 09/12/2047 DD 09/12/17	856,321	1,106,255	
	BAT CAPITAL CORP 3.984% 09/25/2050 DD 09/25/20	1,145,000	1,104,421	
	CONSOLIDATED EDISON CO OF NEW 3.350% 04/01/2030 DD 03/31/20	1,022,663	1,103,361	
	AMERICAN INTERNATIONAL GROUP I 4.375% 06/30/2050 DD 05/11/20	936,192	1,100,862	
	RAYTHEON TECHNOLOGIES CORP 2.820% 09/01/2051 DD 08/10/21	1,133,842	1,096,070	
	CONOCO FUNDING CO 7.250% 10/15/2031 DD 10/11/01	946,469	1,093,944	
	BARCLAYS PLC VAR RT 11/24/2042 DD 11/24/21	1,070,000	1,091,989	
	DOW CHEMICAL CO/THE 4.375% 11/15/2042 DD 11/14/12	1,015,504	1,091,925	
	PANAMA GOVERNMENT INTERNATIONA 4.300% 04/29/2053 DD 04/29/13	1,002,414	1,089,613	
	PECO ENERGY CO 3.000% 09/15/2049 DD 09/10/19	1,063,018	1,089,351	
	QATAR GOVERNMENT INTERNAT 144A 4.817% 03/14/2049	1,054,541	1,087,831	
	CAPITAL ONE FINANCIAL CORP VAR RT 11/02/2027 DD 11/02/21	1,090,000	1,085,084	
	PANAMA GOVERNMENT INTERNATIONA 3.870% 07/23/2060	1,192,223	1,080,000	
	MORGAN STANLEY VAR RT 03/24/2051 DD 03/24/20	720,000	1,079,186	
	WASTE MANAGEMENT INC 2.950% 06/01/2041 DD 05/12/21	1,024,726	1,077,246	
	NEW YORK LIFE INSURANCE C 144A 3.750% 05/15/2050 DD 04/14/20	935,250	1,074,885	
	AMERICAN FINANCIAL GROUP INC/O 4.500% 06/15/2047 DD 06/02/17	923,413	1,073,362	
	BOEING CO/THE 3.750% 02/01/2050 DD 07/31/19	1,011,553	1,071,202	
	APTIV PLC 3.100% 12/01/2051 DD 11/23/21	1,095,517	1,071,034	
	BURLINGTON NORTHERN SANTA FE L 5.400% 06/01/2041 DD 05/19/11	858,588	1,069,273	
	BURLINGTON NORTHERN SANTA FE L 5.150% 09/01/2043 DD 08/22/13	834,782	1,067,765	
	BURLINGTON NORTHERN SANTA FE L 4.150% 04/01/2045 DD 03/09/15	882,106	1,067,071	
	NSTAR ELECTRIC CO 4.400% 03/01/2044 DD 03/07/14	859,023	1,061,130	
	VIRGINIA ELECTRIC AND POWER CO 4.450% 02/15/2044 DD 02/07/14	1,046,633	1,058,959	
	MICROSOFT CORP 3.450% 08/08/2036 DD 08/08/16	911,459	1,055,407	
	TSMC ARIZONA CORP 3.125% 10/25/2041 DD 10/25/21	998,870	1,055,147	
	ALPHABET INC 2.250% 08/15/2060 DD 08/05/20	1,163,332	1,052,412	
	DOMINION ENERGY INC 3.300% 04/15/2041 DD 04/05/21	1,009,111	1,051,986	
	NATWEST GROUP PLC VAR RT 11/01/2029 DD 11/01/19	1,007,480	1,048,145	
	NVIDIA CORP 3.500% 04/01/2040 DD 03/31/20	928,140	1,047,933	
	CENOVUS ENERGY INC 3.750% 02/15/2052 DD 09/13/21	1,032,554	1,046,354	
	WELLS FARGO & CO VAR RT 10/30/2030 DD 10/31/19	1,002,920	1,045,793	
	PLAINS ALL AMERICAN PIPELINE L 4.900% 02/15/2045 DD 12/09/14	931,631	1,042,649	

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	
	MARATHON PETROLEUM CORP 4.750% 09/15/2044 DD 09/05/14	819,556	1,042,090	
	DUKE REALTY LP 3.050% 03/01/2050 DD 02/21/20	1,028,937	1,040,828	
	DISCOVERY COMMUNICATIONS LLC 5.300% 05/15/2049 DD 05/21/19	889,510	1,037,464	
	BERKSHIRE HATHAWAY ENERGY CO 5.950% 05/15/2037 DD 05/11/07	965,295	1,037,205	
	BROADCOM INC 144A 3.469% 04/15/2034 DD 03/31/21	1,017,221	1,036,886	
	NIKE INC 3.250% 03/27/2040 DD 03/27/20	944,053	1,036,241	
	CROWN CASTLE INTERNATIONAL COR 2.900% 04/01/2041 DD 02/16/21	1,055,315	1,035,164	
	3M CO 3.250% 08/26/2049 DD 08/26/19	934,474	1,033,027	
	LXP INDUSTRIAL TRUST 2.375% 10/01/2031 DD 08/30/21	1,072,399	1,032,355	
	INDONESIA GOVERNMENT INTERNATI 4.450% 04/15/2070 DD 04/15/20	900,370	1,032,220	
	SOUTHWESTERN PUBLIC SERVICE CO 4.400% 11/15/2048 DD 11/05/18	814,711	1,029,592	
	HSBC HOLDINGS PLC 7.625% 05/17/2032 DD 05/17/05	957,684	1,029,388	
	DUKE ENERGY OHIO INC 3.700% 06/15/2046 DD 06/23/16	1,024,572	1,028,766	
	JPMORGAN CHASE & CO VAR RT 04/22/2052 DD 04/22/21	955,000	1,025,871	
	NORTHWESTERN MUTUAL LIFE 144A 3.850% 09/30/2047 DD 09/26/17	900,079	1,020,252	
	NATIONWIDE MUTUAL INSURAN 144A 4.350% 04/30/2050 DD 04/30/20	886,011	1,017,192	
	CANADIAN PACIFIC RAILWAY CO 3.000% 12/02/2041 DD 12/02/21	984,832	1,015,295	
	ENBRIDGE INC 4.500% 06/10/2044 DD 06/04/14	837,043	1,013,140	
	PUBLIC SERVICE ELECTRIC AND GA 2.700% 05/01/2050 DD 05/08/20	1,040,736	1,013,044	
	SALESFORCE INC 2.900% 07/15/2051 DD 07/12/21	987,238	1,011,602	
	MORGAN STANLEY 3.750% 02/25/2023 DD 02/25/13	1,018,232	1,008,501	
	CITIGROUP INC 8.125% 07/15/2039 DD 07/23/09	1,031,040	1,008,233	
	BECTON DICKINSON AND CO 4.669% 06/06/2047 DD 06/06/17	983,216	1,005,635	
	CLECO CORPORATE HOLDINGS LLC VAR RT 05/01/2046 DD 11/01/16	945,364	1,005,479	
	ABBVIE INC 4.400% 11/06/2042 DD 05/06/13	829,024	1,005,136	
	BAYER US FINANCE II LLC 144A 4.700% 07/15/2064 DD 07/15/18	880,325	1,001,166	
	AIR PRODUCTS AND CHEMICALS INC 2.700% 05/15/2040 DD 04/30/20	987,248	1,001,128	
	MARKEL CORP 5.000% 04/05/2046 DD 04/05/16	775,823	996,488	
	ORACLE CORP 4.100% 03/25/2061 DD 03/24/21	948,138	994,270	
	PACIFIC LIFE INSURANCE CO 144A VAR RT 10/24/2067 DD 10/24/17	880,898	991,843	
	HESS CORP 5.600% 02/15/2041 DD 08/10/10	861,126	990,096	
	REXFORD INDUSTRIAL REALTY LP 2.150% 09/01/2031 DD 08/09/21	1,034,696	987,859	
	FIFTH THIRD BANCORP 8.250% 03/01/2038 DD 03/04/08	766,436	987,701	
	DIGITAL REALTY TRUST LP 3.600% 07/01/2029 DD 06/14/19	999,681	985,821	
	DIAMONDBACK ENERGY INC 4.400% 03/24/2051 DD 03/24/21	852,170	983,455	
	US BANCORP VAR RT 11/03/2036 DD 11/03/21	985,000	982,380	
	BAT CAPITAL CORP 3.734% 09/25/2040 DD 09/25/20	1,020,000	982,321	
	MIZUHO FINANCIAL GROUP INC 2.564% 09/13/2031 DD 09/13/21	1,005,000	980,669	
	TIME WARNER CABLE LLC 4.500% 09/15/2042 DD 08/10/12	832,218	979,453	
	MICROSOFT CORP 2.675% 06/01/2060 DD 06/01/20	992,209	976,336	
	MORGAN STANLEY VAR RT 04/28/2026 DD 04/28/20	992,856	974,148	
	GENERAL MOTORS CO 5.950% 04/01/2049 DD 09/10/18	759,157	972,141	
	VALE OVERSEAS LTD 3.750% 07/08/2030 DD 07/08/20	975,590	967,734	
	EASTERN GAS TRANSMISSION 144A 4.600% 12/15/2044 DD 06/15/21	1,001,825	964,951	
	PROTECTIVE LIFE GLOBAL FU 144A 1.900% 07/06/2028 DD 07/06/21	985,000	962,296	
	ALIBABA GROUP HOLDING LTD 4.000% 12/06/2037 DD 12/06/17	969,805	956,094	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.375% 04/15/2038 DD 04/04/18	815,878	954,283	
	HSBC HOLDINGS PLC VAR RT 11/22/2027 DD 11/22/21	950,000	953,363	
	KAISER FOUNDATION HOSPITALS 2.810% 06/01/2041 DD 06/15/21	945,000	952,853	
	TENCENT HOLDINGS LTD 144A 3.925% 01/19/2038	977,716	952,269	
	QUANTA SERVICES INC 3.050% 10/01/2041 DD 09/23/21	974,904	950,208	
	NATIONAL RURAL UTILITIES COOPE 2.300% 09/15/2022 DD 08/30/17	962,086	950,086	
	ENTERGY LOUISIANA LLC 3.050% 06/01/2031 DD 05/19/16	904,739	949,779	
	PEPSICO INC 3.625% 03/19/2050 DD 03/19/20	795,792	948,560	
	ONE GAS INC 4.658% 02/01/2044 DD 08/01/14	769,992	947,947	
	MASTERCARD INC 3.650% 06/01/2049 DD 05/31/19	868,479	946,647	
	DUKE ENERGY CORP VAR RT 01/15/2082 DD 09/28/21	970,000	946,303	
	PPL CAPITAL FUNDING INC VAR RT 03/30/2067 DD 03/20/07	947,881	943,444	
	RAYTHEON TECHNOLOGIES CORP 4.200% 12/15/2044 DD 06/15/20	1,032,022	942,548	
	PETROLEOS MEXICANOS 7.690% 01/23/2050 DD 07/23/20	1,028,041	940,875	
	BOEING CO/THE 3.500% 03/01/2039 DD 02/15/19	968,464	940,771	
	ENERGY TRANSFER LP 5.000% 05/15/2050 DD 01/22/20	839,831	939,722	
	EQUINOR ASA 3.000% 04/06/2027 DD 04/06/20	885,603	939,413	
	BP CAPITAL MARKETS AMERICA INC 3.000% 02/24/2050 DD 02/24/20	911,312	937,374	
	ITC HOLDINGS CORP 3.650% 06/15/2024 DD 06/04/14	955,523	936,453	

American Electric Power System Retirement Plan

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	ALTRIA GROUP INC 3.875% 09/16/2046 DD 09/16/16	900,575	936,397	
	W R BERKLEY CORP 3.550% 03/30/2052 DD 03/16/21	851,477	934,378	
	KOREA DEVELOPMENT BANK/THE 0.400% 03/09/2024 DD 03/09/21	943,365	933,273	
	GOLDMAN SACHS GROUP INC/THE VAR RT 07/21/2042 DD 07/21/21	935,000	932,307	
	NEWCREST FINANCE PTY LTD 144A 4.200% 05/13/2050 DD 05/13/20	850,827	931,996	
	AMERICAN INTERNATIONAL GROUP I 4.800% 07/10/2045 DD 07/10/15	728,215	930,550	
	SOUTHWESTERN PUBLIC SERVICE CO 3.400% 08/15/2046 DD 08/12/16	866,064	930,257	
	PANASONIC HOLDINGS CORP 144A 2.536% 07/19/2022 DD 07/19/19	938,407	927,296	
	QATAR ENERGY 144A 3.300% 07/12/2051 DD 07/12/21	900,000	926,433	
	PETROLEOS MEXICANOS 6.950% 01/28/2060 DD 07/28/20	1,050,223	925,523	
	UNIVERSAL HEALTH SERVICES 144A 2.650% 01/15/2032 DD 08/24/21	937,556	924,810	
	VERIZON COMMUNICATIONS INC 3.400% 03/22/2041 DD 03/22/21	879,490	923,850	
	PUBLIC STORAGE VAR RT 04/23/2024 DD 04/23/21	925,000	923,825	
	VODAFONE GROUP PLC 7.875% 02/15/2030 DD 08/15/00	838,165	920,630	
	PRUDENTIAL FINANCIAL INC 4.600% 05/15/2044 DD 05/15/14	766,085	920,508	
	VERIZON COMMUNICATIONS INC 2.875% 11/20/2050 DD 11/20/20	925,899	920,250	
	MPLX LP 4.700% 04/15/2048 DD 02/08/18	811,882	919,111	
	STRYKER CORP 4.375% 05/15/2044 DD 05/01/14	751,610	919,092	
	DOMINION ENERGY SOUTH CAROLINA 5.100% 06/01/2065 DD 05/22/15	851,078	918,989	
	MARSH & MCLENNAN COS INC 2.375% 12/15/2031 DD 12/08/21	903,878	914,674	
	INVITATION HOMES OPERATING PAR 2.000% 08/15/2031 DD 08/06/21	949,521	908,818	
	NISOURCE INC 4.375% 05/15/2047 DD 05/22/17	849,310	906,065	
	HOME DEPOT INC/THE 4.500% 12/06/2048 DD 12/06/18	700,510	905,564	
	MEDTRONIC INC 4.625% 03/15/2045 DD 03/15/15	879,996	905,208	
	CAPITAL ONE FINANCIAL CORP VAR RT 07/29/2032 DD 07/29/21	955,000	905,159	
	MONONGAHELA POWER CO 144A 4.100% 04/15/2024 DD 11/27/13	899,277	904,849	
	STATE STREET CORP VAR RT 11/18/2027 DD 11/18/21	900,000	901,827	
	ONCOR ELECTRIC DELIVERY CO LLC 3.750% 04/01/2045 DD 10/01/15	903,291	901,588	
	PIEDMONT HEALTHCARE INC 2.044% 01/01/2032 DD 09/15/21	916,444	900,765	
	TORONTO-DOMINION BANK/THE 0.550% 03/04/2024 DD 03/04/21	909,190	900,263	
	HUNGARY GOVERNMENT INTERN 144A 3.125% 09/21/2051	880,742	900,128	
	DENTSPLY SIRONA INC 3.250% 06/01/2030 DD 05/26/20	933,056	898,714	
	SOUTHERN CO GAS CAPITAL CORP 4.400% 05/30/2047 DD 05/09/17	944,570	896,935	
	NORTHWESTERN UNIVERSITY 2.640% 12/01/2050 DD 05/28/20	875,000	895,598	
	COMMONWEALTH EDISON CO 3.650% 06/15/2046 DD 06/27/16	888,720	894,347	
	TRANE TECHNOLOGIES LUXEMBOURG 4.500% 03/21/2049 DD 03/21/19	843,160	893,837	
	MARSH & MCLENNAN COS INC 4.750% 03/15/2039 DD 01/15/19	879,071	893,736	
	PHILIP MORRIS INTERNATIONAL IN 6.375% 05/16/2038 DD 05/16/08	815,450	891,613	
	CHARTER COMMUNICATIONS OPERATI 5.125% 07/01/2049 DD 07/10/19	771,218	891,364	
	GOLDMAN SACHS GROUP INC/THE VAR RT 07/24/2023 DD 07/24/17	911,689	889,935	
	UNITEDHEALTH GROUP INC 4.200% 01/15/2047 DD 12/20/16	724,547	889,001	
	MPLX LP 2.650% 08/15/2030 DD 08/18/20	894,107	886,867	
	DOMINION ENERGY INC 5.950% 06/15/2035 DD 06/20/05	602,494	882,876	
	GE CAPITAL FUNDING LLC 4.550% 05/15/2032 DD 11/15/20	876,822	882,229	
	SES GLOBAL AMERICAS HOLDI 144A 5.300% 03/25/2044 DD 03/25/14	718,296	881,565	
	VF CORP 2.050% 04/23/2022 DD 04/23/20	889,624	881,455	
	QATAR ENERGY 144A 3.125% 07/12/2041 DD 07/12/21	866,790	879,239	
	INTEL CORP 3.100% 02/15/2060 DD 02/13/20	869,234	878,325	
	BP CAPITAL MARKETS AMERICA INC 3.379% 02/08/2061 DD 02/08/21	838,788	877,149	
	COMCAST CORP 3.999% 11/01/2049 DD 10/19/17	772,134	875,664	
	PPL ELECTRIC UTILITIES CORP 3.950% 06/01/2047 DD 05/11/17	739,455	875,424	
	BANK OF AMERICA CORP VAR RT 06/14/2029 DD 06/14/21	880,000	874,562	
	EASTERN GAS TRANSMISSION 144A 4.800% 11/01/2043 DD 05/01/21	905,710	874,196	
	GRUPO BIMBO SAB DE CV 144A 4.700% 11/10/2047 DD 11/10/17	859,924	872,144	
	ENERGY TRANSFER LP 5.300% 04/01/2044 DD 04/03/14	759,981	871,529	
	CITIGROUP INC 5.875% 01/30/2042 DD 01/26/12	652,620	871,443	
	MPLX LP 5.200% 12/01/2047 DD 12/01/19	766,370	870,891	
	GILEAD SCIENCES INC 4.000% 09/01/2036 DD 09/20/16	751,691	870,867	
	HOME DEPOT INC/THE 4.250% 04/01/2046 DD 06/02/15	871,954	867,714	
	VERIZON COMMUNICATIONS INC 3.550% 03/22/2051 DD 03/22/21	787,885	859,339	
	CHILE GOVERNMENT INTERNATIONAL 3.500% 01/25/2050 DD 06/25/19	860,285	858,000	
	SOUTHERN CALIFORNIA EDISON CO 3.650% 02/01/2050 DD 01/09/20	850,794	857,042	
	PRECISION CASTPARTS CORP 4.375% 06/15/2045 DD 06/10/15	688,706	856,495	
	BOSTON PROPERTIES LP 2.900% 03/15/2030 DD 09/03/19	862,252	856,220	
	NBCUNIVERSAL MEDIA LLC 4.450% 01/15/2043 DD 10/05/12	699,626	854,321	

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	HESS CORP 5.800% 04/01/2047 DD 09/28/16	813,026	850,816	
	MORGAN STANLEY VAR RT 07/22/2025 DD 07/23/19	868,552	850,328	
	PANAMA GOVERNMENT INTERNATIONA 4.500% 04/01/2056 DD 04/01/20	798,531	848,163	
	NORTHERN STATES POWER CO/MN 2.600% 06/01/2051 DD 06/15/20	868,344	847,768	
	STRYKER CORP 4.100% 04/01/2043 DD 03/25/13	709,781	847,656	
	ENTERPRISE PRODUCTS OPERATING 5.100% 02/15/2045 DD 02/12/14	683,938	847,133	
	CONSOLIDATED EDISON CO OF NEW 3.700% 11/15/2059 DD 11/08/19	782,977	846,722	
	STARBUCKS CORP 4.450% 08/15/2049 DD 05/13/19	683,794	846,085	
	SYSCO CORP 3.150% 12/14/2051 DD 12/14/21	849,083	844,877	
	BAKER HUGHES HOLDINGS LLC / BA 4.486% 05/01/2030 DD 05/01/20	735,000	843,934	
	HSBC HOLDINGS PLC VAR RT 08/17/2029 DD 08/17/21	860,476	843,755	
	AMAZON.COM INC 4.250% 08/22/2057 DD 02/22/18	649,642	842,147	
	HUNTSMAN INTERNATIONAL LLC 4.500% 05/01/2029 DD 03/13/19	752,401	841,902	
	MITSUBISHI UFJ FINANCIAL GROUP VAR RT 09/15/2024 DD 09/15/20	849,744	840,902	
	GILEAD SCIENCES INC 2.600% 10/01/2040 DD 09/30/20	866,094	840,498	
	UBS GROUP AG 144A VAR RT 08/10/2027 DD 08/10/21	860,000	839,446	
	MOSAIC CO/THE 5.450% 11/15/2033 DD 11/13/13	713,544	839,315	
	BAT CAPITAL CORP 4.390% 08/15/2037 DD 08/15/18	869,197	837,384	
	TOTALENERGIES CAPITAL INTERNAT 3.386% 06/29/2060 DD 06/29/20	785,000	836,245	
	MEMORIAL SLOAN-KETTERING CANCE 2.955% 01/01/2050 DD 06/16/20	815,000	835,791	
	VERIZON COMMUNICATIONS INC 4.272% 01/15/2036 DD 07/15/15	669,819	835,240	
	VISA INC 4.150% 12/14/2035 DD 12/14/15	841,271	832,944	
	MIZUHO FINANCIAL GROUP INC 3.663% 02/28/2027 DD 02/28/17	848,994	830,976	
	TRACTOR SUPPLY CO 1.750% 11/01/2030 DD 10/30/20	879,181	829,528	
	ASTRAZENECA PLC 4.375% 11/16/2045 DD 11/16/15	766,943	828,690	
	WALT DISNEY CO/THE 6.400% 12/15/2035 DD 06/15/19	778,535	827,164	
	JPMORGAN CHASE & CO VAR RT 08/09/2025 DD 08/10/21	840,000	826,862	
	CITIGROUP INC VAR RT 05/01/2025 DD 05/04/21	830,000	823,609	
	NORTHERN NATURAL GAS CO 144A 3.400% 10/16/2051 DD 04/09/21	787,972	819,915	
	DEUTSCHE TELEKOM INTERNAT 144A 4.750% 06/21/2038 DD 06/21/18	669,612	817,966	
	PROCTER & GAMBLE CO/THE 3.550% 03/25/2040 DD 03/25/20	701,496	817,687	
	JPMORGAN CHASE & CO VAR RT 04/22/2042 DD 04/22/21	779,645	816,566	
	BROADCOM INC 144A 3.500% 02/15/2041 DD 01/19/21	792,249	814,652	
	DUKE ENERGY INDIANA LLC 4.900% 07/15/2043 DD 07/11/13	645,065	813,538	
	EXTRA SPACE STORAGE LP 2.550% 06/01/2031 DD 05/11/21	823,754	812,757	
	PFIZER INC 2.550% 05/28/2040 DD 05/28/20	838,757	810,575	
	UNITED PARCEL SERVICE INC 5.300% 04/01/2050 DD 03/24/20	541,828	807,892	
	WELLTOWER INC 6.500% 03/15/2041 DD 03/14/11	733,236	806,639	
	DUKE ENERGY FLORIDA LLC 6.350% 09/15/2037 DD 09/18/07	716,799	806,537	
	COMCAST CORP 4.000% 03/01/2048 DD 02/08/18	682,441	803,302	
	MIZUHO FINANCIAL GROUP INC VAR RT 07/09/2027 DD 07/09/21	815,000	802,253	
	NEW YORK AND PRESBYTERIAN HOSP 4.024% 08/01/2045 DD 02/05/15	646,597	800,957	
	NORDSTROM INC 5.000% 01/15/2044 DD 12/12/13	831,488	797,288	
	PUBLIC SERVICE ENTERPRISE GROU 2.450% 11/15/2031 DD 11/08/21	803,503	796,443	
	NATIONAL RURAL UTILITIES COOPE 4.300% 03/15/2049 DD 01/31/19	770,591	795,903	
	GOLDMAN SACHS GROUP INC/THE 0.481% 01/27/2023 DD 01/27/21	790,000	788,041	
	CONSOLIDATED EDISON CO OF NEW 5.850% 03/15/2036 DD 03/09/06	562,376	787,724	
	CITIGROUP INC VAR RT 01/24/2039 DD 01/24/18	768,218	786,545	
	LUNDIN ENERGY FINANCE BV 144A 3.100% 07/15/2031 DD 06/23/21	778,518	786,427	
	NORTHWESTERN MUTUAL LIFE 144A 3.450% 03/30/2051 DD 03/22/21	727,460	783,064	
	SAUDI GOVERNMENT INTERNAT 144A 3.450% 02/02/2061 DD 02/02/21	775,000	781,929	
	AON GLOBAL LTD 4.600% 06/14/2044 DD 05/28/14	630,743	775,448	
	GILEAD SCIENCES INC 2.800% 10/01/2050 DD 09/30/20	790,357	774,187	
	ENEL FINANCE INTERNATIONAL 144A 4.750% 05/25/2047 DD 05/25/17	668,669	769,019	
	PAYPAL HOLDINGS INC 3.250% 06/01/2050 DD 05/18/20	712,269	768,768	
	GREAT-WEST LIFECO FINANCE 144A 4.150% 06/03/2047 DD 05/26/17	638,964	768,028	
	AMERICAN WATER CAPITAL CORP 2.800% 05/01/2030 DD 04/14/20	736,973	767,750	
	COMCAST CORP 144A 2.887% 11/01/2051 DD 08/19/21	784,747	767,066	
	THERMO FISHER SCIENTIFIC INC 4.100% 08/15/2047 DD 08/14/17	607,774	761,186	
	THERMO FISHER SCIENTIFIC INC 2.800% 10/15/2041 DD 08/23/21	746,310	760,943	
	BRISTOL-MYERS SQUIBB CO 2.550% 11/13/2050 DD 11/13/20	791,470	759,896	
	TEXAS HEALTH RESOURCES 4.330% 11/15/2055 DD 05/05/15	568,907	756,691	
	SOUTHERN CALIFORNIA EDISON CO 4.125% 03/01/2048 DD 03/05/18	653,697	755,271	
	EXXON MOBIL CORP 3.095% 08/16/2049 DD 08/16/19	755,663	752,839	
	NOMURA HOLDINGS INC 2.172% 07/14/2028 DD 07/12/21	765,000	751,169	

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, 2021

(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	
	CIGNA CORP 3.875% 10/15/2047 DD 04/15/20	646,464	751,104	
	KAISER FOUNDATION HOSPITALS 3.002% 06/01/2051 DD 06/15/21	725,000	749,056	
	APPLE INC 4.450% 05/06/2044 DD 05/06/14	581,835	748,818	
	KAISER FOUNDATION HOSPITALS 4.150% 05/01/2047 DD 05/03/17	753,099	748,331	
	JPMORGAN CHASE & CO VAR RT 02/01/2028 DD 02/01/17	787,270	747,408	
	FEDEX CORP 5.250% 05/15/2050 DD 04/07/20	653,527	744,988	
	NISOURCE INC 3.950% 03/30/2048 DD 09/14/17	659,287	743,827	
	UBS GROUP AG 144A VAR RT 01/30/2027 DD 07/30/20	765,891	743,227	
	BURLINGTON NORTHERN SANTA FE L 4.050% 06/15/2048 DD 03/05/18	613,432	742,121	
	MASSACHUSETTS MUTUAL LIFE 144A 3.729% 10/15/2070 DD 10/11/19	625,202	738,381	
	KINDER MORGAN INC 5.300% 12/01/2034 DD 11/26/14	633,821	736,231	
	HERSHEY CO/THE 2.650% 06/01/2050 DD 06/01/20	727,598	735,957	
	ENTERPRISE PRODUCTS OPERATING VAR RT 08/16/2077 DD 08/16/17	752,760	735,552	
	SOUTHERN CO GAS CAPITAL CORP 3.150% 09/30/2051 DD 09/10/21	728,488	728,569	
	SABINE PASS LIQUEFACTION LLC 4.500% 05/15/2030 DD 11/15/20	643,349	728,250	
	WALMART INC 2.500% 09/22/2041 DD 09/22/21	720,000	728,114	
	AMERICAN TRANSMISSION SYS 144A 2.650% 01/15/2032 DD 12/01/21	718,013	727,538	
	NARRAGANSETT ELECTRIC CO/ 144A 5.638% 03/15/2040 DD 03/22/10	564,000	727,222	
	ENTERGY LOUISIANA LLC 2.900% 03/15/2051 DD 03/06/20	763,274	726,733	
	QUALCOMM INC 4.650% 05/20/2035 DD 05/20/15	659,208	724,637	
	BAKER HUGHES HOLDINGS LLC 5.125% 09/15/2040 DD 08/24/10	682,350	723,286	
	PHILLIPS 66 PARTNERS LP 4.900% 10/01/2046 DD 10/14/16	597,488	722,974	
	DEERE & CO 3.100% 04/15/2030 DD 03/30/20	668,734	722,796	
	BANK OF AMERICA CORP 7.750% 05/14/2038 DD 05/14/08	709,288	722,255	
	CONSUMERS ENERGY CO 3.100% 08/15/2050 DD 09/03/19	709,845	721,292	
	DUKE ENERGY FLORIDA PROJECT FI 2.538% 09/01/2031 DD 06/22/16	699,972	720,937	
	T-MOBILE USA INC 144A 3.600% 11/15/2060 DD 05/15/21	726,761	719,474	
	BP CAPITAL MARKETS PLC VAR RT 12/31/2049 DD 06/22/20	670,000	718,575	
	SOUTHERN CALIFORNIA GAS CO 4.125% 06/01/2048 DD 05/15/18	663,555	717,338	
	FISERV INC 4.400% 07/01/2049 DD 06/24/19	688,297	717,270	
	SOUTHERN CALIFORNIA EDISON CO 4.000% 04/01/2047 DD 03/24/17	671,459	716,863	
	WALT DISNEY CO/THE 4.750% 11/15/2046 DD 11/15/19	628,140	716,403	
	CONSTELLATION BRANDS INC 5.250% 11/15/2048 DD 10/29/18	609,075	713,969	
	SOUTHERN NATURAL GAS CO L 144A 4.800% 03/15/2047 DD 03/14/17	595,305	713,146	
	HCA INC 5.500% 06/15/2047 DD 06/22/17	653,238	708,793	
	ENERGY TRANSFER LP 7.500% 07/01/2038 DD 03/28/08	627,820	708,504	
	BALTIMORE GAS AND ELECTRIC CO 2.900% 06/15/2050 DD 06/05/20	703,099	708,225	
	ROGERS COMMUNICATIONS INC 4.350% 05/01/2049 DD 04/30/19	701,527	703,482	
	CONSOLIDATED EDISON CO OF NEW 5.700% 06/15/2040 DD 06/07/10	628,976	701,616	
	DIAMONDBACK ENERGY INC 2.875% 12/01/2024 DD 12/05/19	702,296	700,407	
	MARSH & MCLENNAN COS INC 2.250% 11/15/2030 DD 05/07/20	695,163	699,300	
	JPMORGAN CHASE & CO VAR RT 11/19/2031 DD 11/19/20	687,563	697,412	
	UNITEDHEALTH GROUP INC 6.500% 06/15/2037 DD 12/15/07	589,286	696,159	
	SOUTHERN CALIFORNIA GAS CO 4.300% 01/15/2049 DD 09/24/18	558,748	695,927	
	INTERCONTINENTAL EXCHANGE INC 3.000% 09/15/2060 DD 08/20/20	696,076	695,030	
	SAUDI GOVERNMENT INTERNAT 144A 3.250% 11/17/2051 DD 11/17/21	690,414	694,094	
	INTERNATIONAL BUSINESS MACHINE 2.850% 05/15/2040 DD 05/07/20	712,273	693,960	
	APPLE INC 2.550% 08/20/2060 DD 08/20/20	702,136	693,649	
	SOUTHERN CALIFORNIA GAS CO 3.200% 06/15/2025 DD 06/18/15	698,801	688,878	
	RAYTHEON TECHNOLOGIES CORP 4.800% 12/15/2043 DD 06/15/20	719,755	683,321	
	GOLDMAN SACHS GROUP INC/THE VAR RT 12/09/2026 DD 12/09/20	702,717	682,465	
	MASSACHUSETTS MUTUAL LIFE 144A 4.900% 04/01/2077 DD 03/23/17	696,129	682,380	
	UNITEDHEALTH GROUP INC 3.700% 08/15/2049 DD 07/25/19	632,415	681,403	
	CSX CORP 4.300% 03/01/2048 DD 02/20/18	534,057	681,114	
	SWISS RE TREASURY US CORP 144A 4.250% 12/06/2042 DD 12/06/12	545,407	680,689	
	BRISTOL-MYERS SQUIBB CO 4.350% 11/15/2047 DD 05/15/20	670,416	678,509	
	SOUTHERN CALIFORNIA EDISON CO 5.550% 01/15/2037 DD 12/11/06	577,946	672,916	
	NATIONAL BANK OF CANADA VAR RT 11/15/2024 DD 12/10/20	680,021	672,160	
	SHELL INTERNATIONAL FINANCE BV 3.000% 11/26/2051 DD 11/26/21	656,478	668,192	
	GLAXOSMITHKLINE CAPITAL INC 6.375% 05/15/2038 DD 05/13/08	569,111	667,280	
	FORTINET INC 2.200% 03/15/2031 DD 03/05/21	677,688	666,244	
	KINDER MORGAN ENERGY PARTNERS 5.800% 03/15/2035 DD 03/15/05	631,209	665,818	
	CUBESMART LP 2.250% 12/15/2028 DD 11/30/21	661,775	665,692	
	CATERPILLAR INC 3.250% 04/09/2050 DD 04/09/20	597,606	665,442	
	HALLIBURTON CO 4.850% 11/15/2035 DD 11/13/15	594,544	664,954	

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, 2021

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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	
	SALESFORCE INC 2.700% 07/15/2041 DD 07/12/21	656,357	661,109	
	COLUMBIA PIPELINE GROUP INC 5.800% 06/01/2045 DD 12/01/15	526,357	660,243	
	CK HUTCHISON INTERNATIONAL 144A 3.375% 09/06/2049 DD 09/06/19	598,012	659,547	
	AT&T INC 2.550% 12/01/2033 DD 06/01/21	671,567	655,232	
	PHILIP MORRIS INTERNATIONAL IN 4.875% 11/15/2043 DD 11/12/13	562,876	654,188	
	GLP CAPITAL LP / GLP FINANCING 5.300% 01/15/2029 DD 09/26/18	581,889	652,740	
	TRAVELERS COS INC/THE 6.750% 06/20/2036 DD 06/20/06	539,412	651,791	
	MORGAN STANLEY VAR RT 04/22/2042 DD 04/22/21	626,224	651,403	
	SUMITOMO MITSUI FINANCIAL GROU 3.010% 10/19/2026 DD 10/19/16	671,179	649,673	
	APPLE INC 4.500% 02/23/2036 DD 02/23/16	514,570	649,590	
	EXELON CORP 4.700% 04/15/2050 DD 04/01/20	632,335	648,740	
	COLOMBIA GOVERNMENT INTERNATIO 5.200% 05/15/2049	854,868	648,417	
	BAKER HUGHES HOLDINGS LLC / BA 4.080% 12/15/2047 DD 12/11/17	562,263	647,651	
	RIO TINTO FINANCE USA PLC 4.125% 08/21/2042 DD 08/21/12	642,687	647,465	
	SOUTHERN CALIFORNIA EDISON CO 3.900% 03/15/2043 DD 03/07/13	645,920	646,297	
	BANK OF AMERICA CORP 4.250% 10/22/2026 DD 10/22/14	657,528	645,875	
	BECTON DICKINSON AND CO 4.685% 12/15/2044 DD 12/15/14	508,528	645,652	
	ORACLE CORP 3.850% 04/01/2060 DD 04/01/20	647,498	644,462	
	GOLDMAN SACHS GROUP INC/THE 3.800% 03/15/2030 DD 03/19/20	577,367	641,283	
	BARCLAYS PLC 4.950% 01/10/2047 DD 01/10/17	531,803	639,075	
	CHILE GOVERNMENT INTERNATIONAL 3.250% 09/21/2071	663,911	638,250	
	ATMOS ENERGY CORP 2.850% 02/15/2052 DD 10/01/21	645,821	634,231	
	ENI SPA 144A 4.250% 05/09/2029 DD 05/09/19	558,555	630,398	
	SAN DIEGO GAS & ELECTRIC CO 2.950% 08/15/2051 DD 08/13/21	626,018	628,223	
	VALERO ENERGY CORP 6.625% 06/15/2037 DD 06/08/07	598,925	627,741	
	PUBLIC SERVICE CO OF COLORADO 3.950% 03/15/2043 DD 03/26/13	551,243	625,896	
	ENERGY TRANSFER LP 6.000% 06/15/2048 DD 06/08/18	556,060	623,005	
	BROADCOM INC 2.250% 11/15/2023 DD 05/08/20	638,353	622,432	
	WALT DISNEY CO/THE 2.750% 09/01/2049	614,547	621,663	
	MEXICO GOVERNMENT INTERNATIONAL 4.750% 03/08/2044	661,200	620,593	
	WILLIS NORTH AMERICA INC 2.950% 09/15/2029 DD 09/10/19	627,627	619,901	
	UNITEDHEALTH GROUP INC 3.875% 08/15/2059 DD 07/25/19	507,453	615,398	
	GILEAD SCIENCES INC 4.800% 04/01/2044 DD 03/07/14	690,039	613,947	
	OTIS WORLDWIDE CORP 3.362% 02/15/2050 DD 08/15/20	597,779	613,507	
	SHELL INTERNATIONAL FINANCE BV 4.550% 08/12/2043 DD 08/12/13	548,497	611,578	
	PANAMA GOVERNMENT INTERNATIONAL 4.500% 04/16/2050	694,850	611,338	
	AMGEN INC 4.400% 05/01/2045 DD 05/01/15	632,517	610,511	
	PACIFIC GAS AND ELECTRIC CO 4.200% 06/01/2041 DD 03/11/21	603,233	610,427	
	TRUIST FINANCIAL CORP 1.125% 08/03/2027 DD 08/03/20	604,384	609,475	
	PG&E ENERGY RECOVERY FUNDING L 2.822% 07/15/2048 DD 11/12/21	609,972	608,554	
	BARCLAYS PLC VAR RT 12/10/2024 DD 12/10/20	611,857	605,620	
	NORFOLK SOUTHERN CORP 4.100% 05/15/2049 DD 05/08/19	569,792	605,181	
	BOEING CO/THE 3.825% 03/01/2059 DD 02/15/19	638,664	605,016	
	ANGLO AMERICAN CAPITAL PL 144A 5.625% 04/01/2030 DD 04/01/20	585,043	604,819	
	CIGNA CORP 4.800% 08/15/2038 DD 08/15/19	560,315	604,106	
	GENERAL MOTORS CO 5.150% 04/01/2038 DD 08/07/17	521,247	603,965	
	AETNA INC 3.875% 08/15/2047 DD 08/10/17	487,225	603,843	
	SUTTER HEALTH 3.361% 08/15/2050 DD 10/29/20	574,000	603,733	
	ORACLE CORP 3.650% 03/25/2041 DD 03/24/21	604,907	603,217	
	AT&T INC 4.500% 05/15/2035 DD 05/04/15	551,546	602,688	
	GRUPO BIMBO SAB DE CV 144A 4.000% 09/06/2049 DD 09/06/19	551,597	598,573	
	NIKE INC 3.375% 11/01/2046 DD 10/21/16	575,253	597,547	
	DTE ELECTRIC CO 4.050% 05/15/2048 DD 05/07/18	581,680	596,785	
	KINDER MORGAN ENERGY PARTNERS 6.950% 01/15/2038 DD 06/21/07	555,870	596,208	
	LEIDOS INC 4.375% 05/15/2030 DD 05/15/21	530,557	596,054	
	KOREA DEVELOPMENT BANK/THE 2.000% 10/25/2031 DD 10/25/21	592,215	595,458	
	PACIFIC GAS AND ELECTRIC CO 3.950% 12/01/2047 DD 11/29/17	639,773	594,293	
	DUQUESNE LIGHT HOLDINGS I 144A 2.775% 01/07/2032 DD 07/07/21	600,000	593,538	
	PACIFICORP 3.300% 03/15/2051 DD 04/08/20	619,449	592,960	
	TIME WARNER CABLE LLC 7.300% 07/01/2038 DD 06/19/08	482,978	592,862	
	NATIONWIDE MUTUAL INSURAN 144A 4.950% 04/22/2044 DD 04/22/14	533,495	589,891	
	ZOETIS INC 4.450% 08/20/2048 DD 08/20/18	507,030	589,633	
	TRANSCANADA TRUST VAR RT 03/15/2077 DD 03/02/17	598,500	589,238	
	PROVIDENCE ST JOSEPH HEALTH OB 3.930% 10/01/2048 DD 02/06/18	498,000	587,291	
	WELLS FARGO & CO 5.606% 01/15/2044 DD 11/26/13	494,139	586,185	

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	CONSTELLATION BRANDS INC 4.500% 05/09/2047 DD 05/09/17	462,961	586,013	
	STELLANTIS FINANCE US INC 144A 2.691% 09/15/2031 DD 09/15/21	595,000	585,783	
	HERSHEY CO/THE 3.125% 11/15/2049 DD 10/31/19	553,138	584,491	
	SOUTHERN CALIFORNIA EDISON CO 5.950% 02/01/2038 DD 01/22/08	567,971	584,203	
	MEAD JOHNSON NUTRITION CO 4.600% 06/01/2044 DD 05/13/14	491,031	582,606	
	HSBC HOLDINGS PLC VAR RT 08/18/2031 DD 08/18/20	595,000	581,934	
	FOMENTO ECONOMICO MEXICANO SAB 2.875% 05/10/2023 DD 05/10/13	564,032	581,582	
	PHILIPPINE GOVERNMENT INTERNAT 2.950% 05/05/2045	620,238	581,135	
	UNITED PARCEL SERVICE INC 5.200% 04/01/2040 DD 03/24/20	427,932	580,780	
	FORTIVE CORP 4.300% 06/15/2046 DD 06/15/17	524,790	578,712	
	AMGEN INC 4.563% 06/15/2048 DD 12/15/16	538,385	578,432	
	PPL ELECTRIC UTILITIES CORP 4.150% 06/15/2048 DD 06/14/18	476,313	577,909	
	BEST BUY CO INC 1.950% 10/01/2030 DD 10/01/20	595,722	576,264	
	BRIGHTHOUSE FINANCIAL INC 3.850% 12/22/2051 DD 11/22/21	579,571	576,236	
	CONSTELLATION BRANDS INC 3.750% 05/01/2050 DD 04/27/20	521,390	575,516	
	JOHNSON CONTROLS INTERNATIONAL STEP 07/02/2064 DD 07/02/2016	482,956	574,606	
	CHARTER COMMUNICATIONS OPERATI 3.500% 06/01/2041 DD 03/04/21	582,332	571,937	
	OFFICE PROPERTIES INCOME TRUST 2.400% 02/01/2027 DD 08/13/21	589,310	571,468	
	HSBC HOLDINGS PLC VAR RT 05/22/2030 DD 05/22/19	556,967	569,998	
	REGIONS FINANCIAL CORP 7.375% 12/10/2037 DD 12/10/07	462,274	569,837	
	AMFAM HOLDINGS INC 144A 2.805% 03/11/2031 DD 03/11/21	555,000	567,310	
	CIGNA CORP 3.400% 03/15/2051 DD 03/03/21	537,073	566,784	
	APPLE INC 2.950% 09/11/2049 DD 09/11/19	591,940	566,703	
	COMMONWEALTH EDISON CO 3.700% 03/01/2045 DD 03/02/15	566,274	565,070	
	ABBVIE INC 4.750% 03/15/2045 DD 09/15/20	530,542	562,928	
	COMCAST CORP 3.969% 11/01/2047 DD 10/19/17	546,798	561,534	
	HUNTINGTON BANCSHARES INC 144A VAR RT 08/15/2036 DD 08/16/21	563,449	561,161	
	XYLEM INC/NY 4.375% 11/01/2046 DD 10/11/16	464,637	560,926	
	DEERE & CO 3.900% 06/09/2042 DD 06/08/12	434,877	559,620	
	ITC HOLDINGS CORP 5.300% 07/01/2043 DD 07/03/13	425,856	559,613	
	BERKSHIRE HATHAWAY ENERGY CO 6.125% 04/01/2036 DD 10/01/06	478,355	558,822	
	KYNDRYL HOLDINGS INC 144A 4.100% 10/15/2041 DD 10/15/21	572,436	558,124	
	EQUITABLE HOLDINGS INC 5.000% 04/20/2048 DD 10/20/18	485,637	557,585	
	MPLX LP 4.500% 04/15/2038 DD 02/08/18	487,138	553,348	
	DUKE ENERGY INDIANA LLC 2.750% 04/01/2050 DD 03/12/20	564,305	551,706	
	SHERWIN-WILLIAMS CO/THE 4.500% 06/01/2047 DD 05/16/17	493,437	551,391	
	APPLE INC 2.700% 08/05/2051 DD 08/05/21	552,002	551,298	
	HSBC HOLDINGS PLC 6.500% 05/02/2036 DD 05/03/06	556,754	551,011	
	SOUTHERN COPPER CORP 5.875% 04/23/2045 DD 04/23/15	488,962	549,408	
	BANK OF AMERICA CORP VAR RT 03/13/2052 DD 03/11/21	495,000	548,326	
	CENTERPOINT ENERGY INC 2.650% 06/01/2031 DD 05/13/21	538,952	547,933	
	COMCAST CORP 4.049% 11/01/2052 DD 10/19/17	483,854	547,492	
	CITIGROUP INC VAR RT 10/27/2028 DD 10/27/17	573,016	547,449	
	BAE SYSTEMS PLC 144A 3.000% 09/15/2050 DD 09/15/20	551,807	547,198	
	ENERGY TRANSFER LP 6.125% 12/15/2045 DD 06/23/15	484,597	546,331	
	SAN DIEGO GAS & ELECTRIC CO 4.100% 06/15/2049 DD 05/31/19	459,517	545,440	
	NORFOLK SOUTHERN CORP 3.155% 05/15/2055 DD 05/15/20	522,375	545,225	
	ENEL FINANCE INTERNATIONA 144A 2.875% 07/12/2041 DD 07/12/21	558,045	543,287	
	BP CAPITAL MARKETS AMERICA INC 3.060% 06/17/2041 DD 06/17/21	535,000	542,966	
	ALTRIA GROUP INC 3.700% 02/04/2051 DD 02/04/21	575,737	542,549	
	TSMC ARIZONA CORP 3.250% 10/25/2051 DD 10/25/21	505,129	541,404	
	GLENORE FINANCE CANADA L 144A 6.900% 11/15/2037 DD 11/20/07	431,486	538,034	
	ALTRIA GROUP INC 4.450% 05/06/2050 DD 05/06/20	524,243	537,155	
	EQUINOR ASA 4.250% 11/23/2041 DD 11/23/11	531,537	536,216	
	UNION PACIFIC CORP 3.799% 10/01/2051 DD 10/04/16	485,926	531,399	
	BRISTOL-MYERS SQUIBB CO 2.350% 11/13/2040 DD 11/13/20	552,309	527,877	
	METLIFE INC VAR RT 12/15/2044 DD 09/15/14	437,481	527,488	
	STARBUCKS CORP 4.500% 11/15/2048 DD 08/10/18	493,250	527,340	
	DOW CHEMICAL CO/THE 4.250% 10/01/2034 DD 09/16/14	445,220	527,045	
	ENTERPRISE PRODUCTS OPERATING 7.550% 04/15/2038 DD 10/15/09	403,589	526,930	
	MASSACHUSETTS INSTITUTE OF TEC 2.989% 07/01/2050 DD 12/20/19	480,111	526,469	
	CHARTER COMMUNICATIONS OPERATI 3.500% 03/01/2042 DD 10/12/21	535,966	525,220	
	PIEDMONT HEALTHCARE INC 2.864% 01/01/2052 DD 09/15/21	535,000	523,990	
	BANK OF AMERICA CORP VAR RT 10/20/2032 DD 10/20/21	520,000	523,120	
	LELAND STANFORD JUNIOR UNIVERS 2.413% 06/01/2050 DD 06/04/20	535,000	521,181	

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	
	MPLX LP 4.000% 03/15/2028 DD 02/08/18	535,248	520,550	
	NUTRIEN LTD 5.000% 04/01/2049 DD 04/01/19	463,989	517,240	
	ALIMENTATION COUCHE-TARD 144A 3.800% 01/25/2050 DD 01/27/20	450,728	516,769	
	SOUTHERN CALIFORNIA EDISON CO 5.625% 02/01/2036 DD 01/31/06	393,935	515,115	
	JPMORGAN CHASE & CO VAR RT 04/22/2041 DD 04/22/20	504,887	514,067	
	ANHEUSER-BUSCH INBEV WORLDWIDE 8.200% 01/15/2039 DD 01/15/11	403,430	512,590	
	NATIONWIDE FINANCIAL SERV 144A 5.300% 11/18/2044 DD 11/20/14	444,660	510,088	
	MARATHON PETROLEUM CORP 6.500% 03/01/2041 DD 09/01/11	426,114	509,919	
	UNITEDHEALTH GROUP INC 4.250% 04/15/2047 DD 03/13/17	414,212	509,574	
	ENTERGY LOUISIANA LLC 4.200% 04/01/2050 DD 03/12/19	423,981	509,390	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.950% 01/15/2042 DD 07/15/16	440,571	509,360	
	PRINCIPAL LIFE GLOBAL FUN 144A 1.250% 06/23/2025 DD 06/23/20	511,663	509,093	
	MASSACHUSETTS ELECTRIC CO 144A 4.004% 08/15/2046 DD 08/05/16	465,000	508,659	
	PARKER-HANNIFIN CORP 4.000% 06/14/2049 DD 06/14/19	423,567	504,377	
	QUALCOMM INC 4.800% 05/20/2045 DD 05/20/15	483,000	503,706	
	TIME WARNER CABLE LLC 5.500% 09/01/2041 DD 09/12/11	426,315	501,973	
	JOHNSON CONTROLS INTERNATIONAL VAR RT 07/02/2044 DD 07/02/16	457,541	499,251	
	GOLDMAN SACHS GROUP INC/THE VAR RT 04/22/2032 DD 04/22/21	508,390	499,118	
	ANGLOGOLD ASHANTI HOLDINGS PLC 3.750% 10/01/2030 DD 10/01/20	493,406	498,455	
	EMERSON ELECTRIC CO 2.750% 10/15/2050 DD 04/29/20	509,378	498,112	
	HUNTSMAN INTERNATIONAL LLC 2.950% 06/15/2031 DD 05/26/21	489,657	497,424	
	PHILLIPS EDISON GROCERY CENTER 2.625% 11/15/2031 DD 10/06/21	503,329	496,490	
	AMERICAN TOWER CORP 3.100% 06/15/2050 DD 06/03/20	514,959	492,511	
	KRAFT HEINZ FOODS CO 6.500% 02/09/2040 DD 08/09/12	430,334	489,099	
	PHILIP MORRIS INTERNATIONAL IN 4.250% 11/10/2044 DD 11/10/14	413,402	486,672	
	CONSOLIDATED EDISON CO OF NEW 4.125% 05/15/2049 DD 05/09/19	487,317	482,210	
	BANK OF AMERICA NA 6.000% 10/15/2036 DD 10/26/06	337,134	480,624	
	STEEL DYNAMICS INC 3.250% 10/15/2050 DD 10/09/20	457,582	480,539	
	SUNCOR ENERGY INC 7.150% 02/01/2032 DD 01/29/02	384,697	479,417	
	WILLIS NORTH AMERICA INC 5.050% 09/15/2048 DD 09/10/18	447,193	478,956	
	JPMORGAN CHASE & CO VAR RT 04/22/2051 DD 04/22/20	460,000	477,107	
	ONEOK PARTNERS LP 6.850% 10/15/2037 DD 09/28/07	410,881	476,744	
	MEXICO GOVERNMENT INTERNATIONA 3.750% 04/19/2071	530,000	476,470	
	NEW YORK LIFE INSURANCE C 144A 4.450% 05/15/2069 DD 04/04/19	446,825	472,712	
	BP CAPITAL MARKETS AMERICA INC 2.939% 06/04/2051 DD 12/04/20	467,515	472,208	
	CHILE GOVERNMENT INTERNATIONAL 2.450% 01/31/2031 DD 05/12/20	478,975	471,438	
	JPMORGAN CHASE & CO VAR RT 04/22/2026 DD 04/22/20	479,398	471,141	
	ALPHABET INC 1.900% 08/15/2040 DD 08/05/20	511,761	470,478	
	INTEL CORP 2.800% 08/12/2041 DD 08/12/21	473,069	470,235	
	VERIZON COMMUNICATIONS INC 2.850% 09/03/2041 DD 09/03/21	473,851	469,989	
	BROOKFIELD FINANCE LLC 3.450% 04/15/2050 DD 02/21/20	442,789	467,437	
	PANAMA GOVERNMENT INTERNATIONA 4.300% 04/29/2053	520,053	466,977	
	PUGET SOUND ENERGY INC 3.250% 09/15/2049 DD 08/30/19	443,498	465,828	
	SUTTER HEALTH 3.161% 08/15/2040 DD 10/29/20	450,000	464,135	
	MITSUBISHI UFJ FINANCIAL GROUP 4.153% 03/07/2039 DD 03/07/19	390,000	462,197	
	SHELL INTERNATIONAL FINANCE BV 2.875% 11/26/2041 DD 11/26/21	454,406	461,711	
	AON CORP 2.800% 05/15/2030 DD 05/15/20	470,956	459,066	
	HOME DEPOT INC/THE 2.375% 03/15/2051 DD 01/07/21	488,347	457,707	
	XCEL ENERGY INC 4.800% 09/15/2041 DD 09/12/11	385,701	457,351	
	AMERICAN TOWER CORP 3.700% 10/15/2049 DD 10/03/19	452,329	455,637	
	WELLS FARGO & CO VAR RT 02/11/2031 DD 02/11/20	445,140	454,741	
	PFIZER INC 4.300% 06/15/2043 DD 06/03/13	444,862	454,578	
	BANK OF AMERICA CORP VAR RT 07/21/2052 DD 07/21/21	450,000	453,159	
	QUANTA SERVICES INC 2.900% 10/01/2030 DD 09/22/20	443,500	453,006	
	VIATRIS INC 2.300% 06/22/2027 DD 06/22/21	459,216	452,921	
	TRANSCANADA PIPELINES LTD 4.875% 05/15/2048 DD 05/07/18	352,007	452,905	
	BURLINGTON NORTHERN SANTA FE L 5.050% 03/01/2041 DD 09/10/10	382,477	452,779	
	IHS MARKIT LTD 4.750% 08/01/2028 DD 07/23/18	439,352	451,913	
	BANK OF AMERICA CORP 5.000% 01/21/2044 DD 01/21/14	377,228	451,714	
	PFIZER INC 4.400% 05/15/2044 DD 05/15/14	399,489	451,309	
	ECOLAB INC 2.700% 12/15/2051 DD 12/15/21	453,885	449,190	
	MEXICO GOVERNMENT INTERNATIONA 4.600% 01/23/2046 DD 01/23/15	404,067	448,879	
	CANADIAN PACIFIC RAILWAY CO 2.900% 02/01/2025 DD 02/02/15	464,065	447,385	
	MARKEL CORP 4.300% 11/01/2047 DD 11/02/17	385,309	447,370	
	BRISTOL-MYERS SQUIBB CO 4.550% 02/20/2048 DD 02/20/20	434,039	447,209	

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	CHARTER COMMUNICATIONS OPERATI	429,596	446,577	
	NORTHERN NATURAL GAS CO 144A	439,831	445,782	
	MARTIN MARIETTA MATERIALS INC	374,801	441,777	
	METLIFE INC 4.050% 03/01/2045	425,909	441,173	
	WILLIAMS COS INC/THE 4.900% 01/15/2045	396,619	440,081	
	CSX CORP 3.350% 09/15/2049	410,198	439,991	
	GEORGE WASHINGTON UNIVERSITY/T	401,449	439,282	
	CHILE GOVERNMENT INTERNATIONAL	425,000	438,621	
	MIDMICHIGAN HEALTH 3.409% 06/01/2050	410,000	438,216	
	NOVARTIS CAPITAL CORP 2.750% 08/14/2050	420,162	436,024	
	HCA INC 5.125% 06/15/2039	384,468	432,054	
	DIAGEO INVESTMENT CORP 2.875% 05/11/2022	436,678	428,613	
	LEIDOS INC 2.300% 02/15/2031	442,880	428,437	
	T-MOBILE USA INC 3.300% 02/15/2051	434,100	426,457	
	VISA INC 2.000% 08/15/2050	474,854	424,411	
	ESTEE LAUDER COS INC/THE 3.125% 12/01/2049	381,127	422,730	
	PPL ELECTRIC UTILITIES CORP 3.000% 10/01/2049	447,388	421,132	
	GOODMAN US FINANCE FOUR L 144A	361,421	420,992	
	ASTRAZENECA PLC 3.000% 05/28/2051	394,536	420,904	
	KINDER MORGAN INC 5.050% 02/15/2046	387,133	420,802	
	SOUTHWESTERN PUBLIC SERVICE CO	417,820	416,320	
	LYB INTERNATIONAL FINANCE III	394,092	412,506	
	WELLS FARGO & CO 4.400% 06/14/2046	327,874	410,188	
	LEIDOS INC 2.950% 05/15/2023	418,404	409,560	
	JPMORGAN CHASE & CO VAR RT	405,000	408,289	
	SAN DIEGO GAS & ELECTRIC CO 1.700% 10/01/2030	424,389	407,129	
	NORTHERN STATES POWER CO/MN	390,358	406,120	
	PARAMOUNT GLOBAL 4.850% 07/01/2042	334,099	405,885	
	ANALOG DEVICES INC 2.800% 10/01/2041	396,908	405,764	
	TJX COS INC/THE 3.875% 04/15/2030	359,550	404,118	
	WYETH LLC 6.500% 02/01/2034	371,405	403,088	
	PFIZER INC 2.700% 05/28/2050	404,643	398,946	
	DIAGEO CAPITAL PLC 2.125% 04/29/2032	399,004	397,248	
	CITIGROUP INC 5.500% 09/13/2025	402,934	395,966	
	BERKSHIRE HATHAWAY FINANCE COR	399,680	395,696	
	DOW CHEMICAL CO/THE 4.800% 05/15/2049	306,670	395,690	
	COLOMBIA GOVERNMENT INTERNATIO	428,732	395,488	
	VOLKSWAGEN AG	340,739	394,982	
	GLOBAL PAYMENTS INC 4.150% 08/15/2049	425,555	394,904	
	TRUSTEES OF BOSTON COLLEGE 3.129% 07/01/2052	366,000	394,727	
	*COCA-COLA FEMSA SAB DE CV 2.750% 01/22/2030	381,042	393,763	
	FRANKLIN RESOURCES INC 1.600% 10/30/2030	401,853	392,449	
	QUALCOMM INC 3.250% 05/20/2050	352,167	391,423	
	AIR PRODUCTS AND CHEMICALS INC	378,617	390,883	
	BOEING CO/THE 3.900% 05/01/2049	342,031	385,863	
	BHP BILLITON FINANCE USA LTD 5.000% 09/30/2043	381,479	384,604	
	BECTON DICKINSON AND CO 3.794% 05/20/2050	340,000	382,901	
	JPMORGAN CHASE & CO 5.400% 01/06/2042	306,275	381,791	
	PORSCHE AUTOMOBIL HOLDING SE	283,291	381,545	
	EAST OHIO GAS CO/THE 144A 3.000% 06/15/2050	379,518	380,992	
	W R BERKLEY CORP 6.250% 02/15/2037	255,324	379,529	
	CONOCOPHILLIPS CO 4.300% 11/15/2044	313,261	378,706	
	KIMCO REALTY CORP 4.450% 09/01/2047	312,666	376,192	
	COMCAST CORP 3.750% 04/01/2040	385,689	376,024	
	MIDAMERICAN ENERGY CO 4.400% 10/15/2044	303,167	374,119	
	INTERCONTINENTAL EXCHANGE INC	383,412	373,916	
	CANADIAN NATURAL RESOURCES LTD	284,199	373,343	
	HOME DEPOT INC/THE 3.125% 12/15/2049	376,673	372,384	
	PLAINS ALL AMERICAN PIPELINE L	328,854	372,290	
	TRAVELERS PROPERTY CASUALTY CO	279,522	366,153	
	AMERICAN WATER CAPITAL CORP 3.250% 06/01/2051	348,996	364,945	
	PUGET SOUND ENERGY INC 4.300% 05/20/2045	409,639	364,706	
	EMERSON ELECTRIC CO 2.800% 12/21/2051	369,179	362,840	
	AMERICAN HOMES 4 RENT LP 3.375% 07/15/2051	352,663	362,764	
	TRUIST FINANCIAL CORP 4.000% 05/01/2025	366,244	361,615	

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	SHELL INTERNATIONAL FINANCE BV 3.750% 09/12/2046 DD 09/12/16	350,192	360,563	
	COMCAST CORP 4.200% 08/15/2034 DD 08/12/14	307,809	359,186	
	DEVON ENERGY CORP 5.600% 07/15/2041 DD 07/12/11	287,417	358,370	
	DUKE ENERGY CORP 3.500% 06/15/2051 DD 06/10/21	344,872	357,571	
	XCEL ENERGY INC 3.500% 12/01/2049 DD 11/07/19	333,896	357,501	
	AERCAP IRELAND CAPITAL DAC / A 3.850% 10/29/2041 DD 10/29/21	339,201	355,119	
	CITIGROUP INC 6.125% 08/25/2036 DD 08/25/06	259,598	353,423	
	ALTRIA GROUP INC 5.375% 01/31/2044 DD 10/31/13	296,745	352,988	
	MORGAN STANLEY 4.375% 01/22/2047 DD 01/20/17	360,752	352,900	
	ENERGY TRANSFER LP 6.500% 02/01/2042 DD 01/17/12	326,487	351,277	
	ONCOR ELECTRIC DELIVERY CO LLC 5.350% 10/01/2052 DD 04/01/21	390,190	350,299	
	TENCENT HOLDINGS LTD 144A 3.680% 04/22/2041 DD 04/22/21	334,906	348,326	
	AIA GROUP LTD 144A 3.200% 09/16/2040 DD 09/16/20	339,453	347,527	
	PFIZER INC 4.000% 03/15/2049 DD 03/11/19	291,057	347,070	
	CIGNA CORP 4.900% 12/15/2048 DD 06/15/19	337,035	343,556	
	UNION PACIFIC CORP 3.839% 03/20/2060 DD 03/20/20	343,612	342,925	
	KRAFT HEINZ FOODS CO 5.000% 07/15/2035 DD 07/15/16	290,115	340,263	
	MPLX LP 5.500% 02/15/2049 DD 11/15/18	280,066	339,478	
	ALEXANDRIA REAL ESTATE EQUITIE 3.950% 01/15/2028 DD 03/03/17	352,958	336,973	
	LG CORP	260,842	336,632	
	HEALTHPEAK PROPERTIES INC 3.000% 01/15/2030 DD 11/21/19	348,585	336,236	
	SOUTHERN CALIFORNIA EDISON CO 6.050% 03/15/2039 DD 03/20/09	279,285	328,512	
	SOUTHERN COPPER CORP 5.250% 11/08/2042 DD 11/08/12	317,850	327,275	
	ATHENE GLOBAL FUNDING 144A 2.500% 03/24/2028 DD 03/24/21	324,433	327,106	
	BAYER US FINANCE II LLC 144A 4.875% 06/25/2048 DD 06/25/18	329,827	326,747	
	CREDIT SUISSE GROUP AG 144A VAR RT 05/14/2032 DD 05/14/21	320,000	325,980	
	ALEXANDRIA REAL ESTATE EQUITIE 1.875% 02/01/2033 DD 08/05/20	344,351	324,620	
	W R BERKLEY CORP 4.750% 08/01/2044 DD 08/06/14	326,927	324,324	
	ACE CAPITAL TRUST II 9.700% 04/01/2030 DD 03/31/00	324,566	323,188	
	L3HARRIS TECHNOLOGIES INC 3.950% 05/28/2024 DD 11/28/19	336,317	322,665	
	ASTRAZENCA PLC 4.375% 08/17/2048 DD 08/17/18	255,105	322,467	
	CIGNA CORP 6.125% 11/15/2041 DD 05/15/20	288,662	321,814	
	WALT DISNEY CO/THE 2.750% 09/01/2049 DD 09/06/19	318,144	321,517	
	CONOCOPHILLIPS 6.500% 02/01/2039 DD 02/03/09	322,252	320,313	
	HESS CORP 6.000% 01/15/2040 DD 12/14/09	199,935	318,225	
	HALLIBURTON CO 4.750% 08/01/2043 DD 08/05/13	257,329	316,857	
	DUKE ENERGY PROGRESS LLC 6.300% 04/01/2038 DD 03/13/08	231,585	312,918	
	COCA-COLA FEMSA SAB DE CV 5.250% 11/26/2043 DD 11/26/13	271,505	312,794	
	ENTERGY TEXAS INC 4.000% 03/30/2029 DD 01/08/19	325,279	312,354	
	HSBC HOLDINGS PLC 6.800% 06/01/2038 DD 05/27/08	268,904	312,061	
	WALT DISNEY CO/THE 4.700% 03/23/2050 DD 03/23/20	233,393	311,124	
	SUNCOR ENERGY INC 6.800% 05/15/2038 DD 05/15/08	285,547	308,680	
	ORACLE CORP 3.900% 05/15/2035 DD 05/05/15	320,601	305,759	
	TENCENT HOLDINGS LTD 144A 3.975% 04/11/2029 DD 04/11/19	284,566	304,716	
	CANADIAN NATIONAL RAILWAY CO 3.650% 02/03/2048 DD 02/06/18	300,605	303,406	
	CITIGROUP INC VAR RT 01/10/2028 DD 01/10/17	277,000	300,495	
	LAM RESEARCH CORP 2.875% 06/15/2050 DD 05/05/20	299,211	300,105	
	ENTERPRISE PRODUCTS OPERATING 3.300% 02/15/2053 DD 09/15/21	300,019	299,568	
	SOUTHERN CALIFORNIA EDISON CO 5.350% 07/15/2035 DD 06/27/05	222,499	298,284	
	CANADIAN NATURAL RESOURCES LTD 6.250% 03/15/2038 DD 03/19/07	266,744	296,683	
	EVERGY KANSAS CENTRAL INC 3.250% 09/01/2049 DD 08/19/19	297,469	296,648	
	GRUPO TELEvisa SAB 5.000% 05/13/2045 DD 05/13/14	241,335	295,063	
	PARAMOUNT GLOBAL 4.900% 08/15/2044 DD 08/19/14	275,885	292,877	
	OVINTIV INC 6.500% 02/01/2038 DD 12/04/07	286,838	291,113	
	PUBLIC SERVICE CO OF COLORADO 3.600% 09/15/2042 DD 09/11/12	281,039	288,324	
	KINDER MORGAN ENERGY PARTNERS 6.500% 02/01/2037 DD 01/30/07	248,214	285,809	
	NORTHROP GRUMMAN SYSTEMS CORP 7.750% 02/15/2031 DD 02/27/01	302,294	285,122	
	ENTERGY ARKANSAS LLC 3.350% 06/15/2052 DD 03/30/21	268,321	284,607	
	DEVON ENERGY CORP 4.750% 05/15/2042 DD 05/14/12	277,305	284,421	
	CITIGROUP INC 6.625% 01/15/2028 DD 01/09/98	263,943	281,360	
	SOUTHERN CALIFORNIA EDISON CO 6.000% 01/15/2034 DD 01/14/04	282,884	278,935	
	QATAR GOVERNMENT INTERNAT 144A 5.103% 04/23/2048	280,208	277,432	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/21/2032 DD 10/21/21	275,000	277,049	
	BROOKLYN UNION GAS CO/THE 144A 4.487% 03/04/2049 DD 03/04/19	235,000	277,027	
	MORGAN STANLEY 4.000% 07/23/2025 DD 07/23/15	282,306	275,392	

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	PHILLIPS 66 2.150% 12/15/2030 DD 06/10/20	281,594	274,580	
	AON GLOBAL LTD 4.750% 05/15/2045 DD 05/20/15	266,139	274,571	
	CONSOLIDATED EDISON CO OF NEW 3.875% 06/15/2047 DD 06/08/17	295,853	273,960	
	FEDEX CORP 4.750% 11/15/2045 DD 10/23/15	238,812	272,571	
	SOUTHWESTERN PUBLIC SERVICE CO 3.150% 05/01/2050 DD 05/18/20	258,953	272,184	
	WELLTOWER INC 4.950% 09/01/2048 DD 08/16/18	206,129	271,141	
	MORGAN STANLEY VAR RT 01/25/2052 DD 01/25/21	275,000	270,922	
	JOHNSON & JOHNSON 2.100% 09/01/2040 DD 08/25/20	283,105	270,399	
	UNITEDHEALTH GROUP INC 4.375% 03/15/2042 DD 03/08/12	220,631	269,989	
	ENTERPRISE PRODUCTS OPERATING 4.850% 08/15/2042 DD 02/15/12	228,384	269,406	
	ALEXANDRIA REAL ESTATE EQUITIE 4.850% 04/15/2049 DD 03/21/19	206,894	268,417	
	DAIMLER TRUCKS FINANCE NO 144A 2.375% 12/14/2028 DD 12/14/21	264,186	266,455	
	CHUBB INA HOLDINGS INC 2.850% 12/15/2051 DD 11/18/21	259,787	261,867	
	MASTERCARD INC 2.950% 03/15/2051 DD 03/04/21	247,633	259,698	
	MASTERCARD INC 3.850% 03/26/2050 DD 03/26/20	214,088	259,348	
	MORGAN STANLEY VAR RT 04/28/2032 DD 01/25/21	262,734	258,290	
	MCDONALD'S CORP 4.700% 12/09/2035 DD 12/09/15	210,323	257,253	
	BAYLOR SCOTT & WHITE HOLDINGS 2.839% 11/15/2050 DD 01/21/21	255,000	256,117	
	BANK OF AMERICA CORP VAR RT 07/21/2032 DD 07/21/21	254,275	255,934	
	UNITED AIRLINES 2015-1 CLASS A 3.450% 06/01/2029 DD 11/17/15	235,578	253,952	
	CAMERON LNG LLC 144A 3.701% 01/15/2039 DD 12/13/19	235,000	253,734	
	TOTALENERGIES CAPITAL INTERNAT 3.461% 07/12/2049 DD 07/10/19	230,000	249,382	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 01/22/2061	264,035	245,750	
	AETNA INC 3.500% 11/15/2024 DD 11/10/14	248,213	242,639	
	STARBUCKS CORP 3.350% 03/12/2050 DD 03/12/20	224,922	241,397	
	CIGNA CORP 3.400% 03/15/2050 DD 03/16/20	218,040	240,417	
	PFIZER INC 3.900% 03/15/2039 DD 03/11/19	239,682	235,928	
	GENERAL MOTORS CO 5.200% 04/01/2045 DD 11/12/14	226,024	235,779	
	ENTERGY LOUISIANA LLC 4.000% 03/15/2033 DD 03/23/18	206,677	235,500	
	COCA-COLA CO/THE 2.500% 03/15/2051 DD 09/18/20	238,526	231,264	
	TYSON FOODS INC 4.550% 06/02/2047 DD 06/02/17	224,284	231,254	
	SOUTHERN CO/THE 4.250% 07/01/2036 DD 05/24/16	202,145	229,370	
	DOMINION ENERGY INC 4.600% 03/15/2049 DD 03/13/19	211,848	225,342	
	CK HUTCHISON INTERNATIONAL 144A 3.375% 05/08/2050 DD 05/08/20	203,239	223,782	
	AMGEN INC 5.150% 11/15/2041 DD 11/10/11	180,865	220,603	
	CIGNA CORP 4.800% 07/15/2046 DD 01/15/20	193,552	220,294	
	OGLETHORPE POWER CORP 3.750% 08/01/2050 DD 02/01/21	201,991	220,065	
	HUMANA INC 4.950% 10/01/2044 DD 09/19/14	199,660	219,276	
	ENERGY TRANSFER LP 5.300% 04/15/2047 DD 01/17/17	195,031	218,511	
	EOG RESOURCES INC 4.950% 04/15/2050 DD 04/14/20	159,059	216,907	
	MCDONALD'S CORP 4.450% 09/01/2048 DD 08/15/18	214,429	216,207	
	NATIONAL RETAIL PROPERTIES INC 3.500% 04/15/2051 DD 03/10/21	205,096	215,596	
	UNION PACIFIC CORP 3.750% 02/05/2070 DD 01/31/20	187,915	214,012	
	ONCOR ELECTRIC DELIVERY C 144A 2.700% 11/15/2051 DD 11/16/21	215,774	212,445	
	PIEDMONT NATURAL GAS CO INC 3.350% 06/01/2050 DD 05/21/20	203,538	210,961	
	INTEL CORP 3.050% 08/12/2051 DD 08/12/21	206,762	210,527	
	MCDONALD'S CORP 3.625% 05/01/2043 DD 05/06/13	192,270	210,189	
	PARAMOUNT GLOBAL 4.375% 03/15/2043 DD 03/15/13	194,884	208,785	
	BAYLOR SCOTT & WHITE HOLDINGS 4.185% 11/15/2045 DD 04/22/15	191,393	207,263	
	COLOMBIA GOVERNMENT INTERNATIO 5.000% 06/15/2045	219,038	203,063	
	DEERE & CO 3.750% 04/15/2050 DD 03/30/20	169,997	201,538	
	SOUTHERN CO GAS CAPITAL CORP 3.950% 10/01/2046 DD 09/13/16	182,676	201,518	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.350% 06/01/2040 DD 04/03/20	169,893	200,314	
	PANAMA GOVERNMENT INTERNATIONA 3.870% 07/23/2060 DD 07/23/19	199,878	200,000	
	CONOCOPHILLIPS CO 6.950% 04/15/2029 DD 04/20/99	198,954	197,507	
	TRITON CONTAINER INTERNAT 144A 1.150% 06/07/2024 DD 06/07/21	199,788	197,186	
	FEDEX CORP 3.900% 02/01/2035 DD 01/09/15	174,199	195,550	
	HYUNDAI MOTOR CO	135,172	193,801	
	CORP NACIONAL DEL COBRE D 144A 4.500% 09/16/2025 DD 09/16/15	197,969	190,761	
	CITRIX SYSTEMS INC 4.500% 12/01/2027 DD 11/15/17	192,789	190,092	
	EQUINOR ASA 3.700% 04/06/2050 DD 04/06/20	174,898	189,573	
	UNUM GROUP 4.125% 06/15/2051 DD 06/14/21	183,182	188,426	
	MARATHON PETROLEUM CORP 3.800% 04/01/2028 DD 04/01/19	189,220	187,689	
	WILLIAMS COS INC/THE 5.800% 11/15/2043 DD 11/15/13	158,007	182,881	
	BRISTOL-MYERS SQUIBB CO 5.000% 08/15/2045 DD 02/15/20	179,204	181,221	

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, 2021

(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	
	GOLDMAN SACHS GROUP INC/THE VAR RT 04/23/2039 DD 04/23/18	168,690	179,610	
	MORGAN STANLEY 4.300% 01/27/2045 DD 01/27/15	168,039	178,863	
	DUKE REALTY LP 1.750% 07/01/2030 DD 06/29/20	184,481	175,952	
	QUALCOMM INC 4.300% 05/20/2047 DD 05/26/17	161,296	174,640	
	TIME WARNER ENTERTAINMENT CO L 8.375% 03/15/2023 DD 09/15/93	184,921	173,507	
	COX COMMUNICATIONS INC 144A 4.800% 02/01/2035 DD 12/08/14	161,364	172,325	
	ONEOK INC 7.150% 01/15/2051 DD 05/07/20	126,482	172,016	
	SOUTHWESTERN PUBLIC SERVICE CO 3.750% 06/15/2049 DD 06/18/19	148,109	171,350	
	CSX CORP 3.800% 04/15/2050 DD 03/30/20	149,304	171,333	
	SHELL INTERNATIONAL FINANCE BV 3.250% 04/06/2050 DD 04/06/20	162,329	170,878	
	PANAMA GOVERNMENT INTERNATIONA 2.252% 09/29/2032 DD 09/29/20	176,220	170,775	
	APPLE INC 2.375% 02/08/2041 DD 02/08/21	174,724	170,749	
	ENTERPRISE PRODUCTS OPERATING 4.250% 02/15/2048 DD 02/15/18	159,730	164,675	
	ATMOS ENERGY CORP 4.300% 10/01/2048 DD 10/04/18	131,339	161,639	
	RAYTHEON TECHNOLOGIES CORP 4.625% 11/16/2048 DD 08/16/18	170,674	160,674	
	WILLIAMS COS INC/THE 3.500% 10/15/2051 DD 10/08/21	154,741	157,176	
	COMCAST CORP 6.500% 11/15/2035 DD 11/14/05	159,365	153,869	
	WESTERN & SOUTHERN LIFE I 144A 3.750% 04/28/2061 DD 04/28/21	134,361	151,085	
	VERIZON COMMUNICATIONS INC 4.125% 08/15/2046 DD 08/01/16	139,086	145,443	
	AMAZON.COM INC 2.500% 06/03/2050 DD 06/03/20	148,466	143,407	
	CANADIAN PACIFIC RAILWAY CO 3.100% 12/02/2051 DD 12/02/21	138,998	143,358	
	MASSACHUSETTS MUTUAL LIFE 144A 3.375% 04/15/2050 DD 04/16/20	134,444	142,902	
	MID-ATLANTIC INTERSTATE T 144A 4.100% 05/15/2028 DD 05/10/18	142,425	142,893	
	AMERICA MOVIL SAB DE CV 6.125% 03/30/2040 DD 03/30/10	111,298	140,230	
	NORFOLK SOUTHERN CORP 3.400% 11/01/2049 DD 11/04/19	128,816	139,908	
	PEACEHEALTH OBLIGATED GROUP 1.375% 11/15/2025 DD 10/08/20	142,445	139,144	
	EQUINOR ASA 3.250% 11/18/2049 DD 11/18/19	130,891	132,895	
	MARSH & MCLENNAN COS INC 2.900% 12/15/2051 DD 12/08/21	129,689	130,117	
	COCA-COLA CO/THE 3.000% 03/05/2051 DD 03/05/21	118,082	127,510	
	BOEING CO/THE 2.250% 06/15/2026 DD 05/18/16	127,101	125,238	
	BERKSHIRE HATHAWAY ENERGY CO 4.450% 01/15/2049 DD 07/25/18	121,744	123,993	
	COMMONSPIRIT HEALTH 3.910% 10/01/2050 DD 10/28/20	123,005	122,823	
	TEACHERS INSURANCE & ANNU 144A 6.850% 12/16/2039 DD 12/16/09	81,896	122,620	
	LOJAS AMERICANAS SA	501,106	121,574	
	ROYALTY PHARMA PLC 3.300% 09/02/2040 DD 03/02/21	116,386	121,278	
	ENTERPRISE PRODUCTS OPERATING 4.950% 10/15/2054 DD 10/14/14	114,952	120,292	
	WEST VIRGINIA UNITED HEALTH SY 3.129% 06/01/2050 DD 12/10/20	120,000	118,476	
	UNION PACIFIC CORP 2.950% 03/10/2052 DD 09/10/21	110,202	111,751	
	EMPOWER FINANCE 2020 LP 144A 3.075% 09/17/2051 DD 09/17/20	110,000	111,651	
	PACIFIC GAS AND ELECTRIC CO 4.500% 07/01/2040 DD 07/02/20	119,310	109,615	
	CLEVELAND ELECTRIC ILLUMI 144A 4.550% 11/15/2030 DD 11/02/18	93,930	107,995	
	BURLINGTON NORTHERN SANTA FE L 6.700% 08/01/2028 DD 07/30/98	83,283	107,738	
	AMERICAN WATER CAPITAL CORP 4.200% 09/01/2048 DD 08/09/18	97,643	95,782	
	VIRGINIA ELECTRIC AND POWER CO 2.950% 11/15/2051 DD 11/22/21	94,794	95,729	
	CONAGRA BRANDS INC 5.300% 11/01/2038 DD 10/22/18	92,126	95,129	
	APPLE INC 3.850% 08/04/2046 DD 08/04/16	89,385	89,172	
	CONSOLIDATED EDISON CO OF NEW 3.200% 12/01/2051 DD 12/02/21	85,000	85,282	
	SUNCOR ENERGY INC 3.750% 03/04/2051 DD 03/04/21	74,639	80,792	
	ROGERS COMMUNICATIONS INC 3.700% 11/15/2049 DD 11/12/19	69,248	73,735	
	AMERICAN WATER CAPITAL CORP 4.150% 06/01/2049 DD 05/13/19	65,456	65,144	
	EVERSOURCE ENERGY 3.450% 01/15/2050 DD 01/10/20	64,057	63,371	
	COMMONSPIRIT HEALTH 4.350% 11/01/2042 DD 10/31/12	64,595	63,281	
	ALIBABA GROUP HOLDING LTD 4.200% 12/06/2047 DD 12/06/17	62,989	60,684	
	BURLINGTON NORTHERN SANTA FE L 7.950% 08/15/2030 DD 08/08/00	46,469	60,294	
	BROADCOM INC 4.150% 11/15/2030 DD 05/08/20	57,874	58,839	
	TRANSCONTINENTAL GAS PIPE LINE 4.450% 08/01/2042 DD 07/13/12	44,784	50,424	
	CHARTER COMMUNICATIONS OPERATI 6.834% 10/23/2055 DD 10/23/16	47,279	50,219	
	HALLIBURTON CO 4.500% 11/15/2041 DD 11/14/11	38,605	49,953	
	AMERICAN INTERNATIONAL GROUP I 3.875% 01/15/2035 DD 01/15/15	47,662	49,820	
	LOWE'S COS INC 4.250% 09/15/2044 DD 09/10/14	48,507	47,666	
	CHARTER COMMUNICATIONS OPERATI 3.900% 06/01/2052 DD 03/04/21	33,452	35,223	
	ALABAMA POWER CO 3.450% 10/01/2049 DD 09/17/19	29,900	31,906	
	ORACLE CORP 3.950% 03/25/2051 DD 03/24/21	29,948	31,259	
	HOME DEPOT INC/THE 3.500% 09/15/2056 DD 09/15/16	29,774	28,317	
	COLOMBIA GOVERNMENT INTERNATIO 5.000% 06/15/2045 DD 01/28/15	30,394	27,075	

American Electric Power System Retirement Plan

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 EIN: 13-4922641 Plan Number: 001

December 31, 2021

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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	
	AT&T INC 3.650% 06/01/2051 DD 05/28/20	24,903	25,987	
	NEVADA POWER CO 3.125% 08/01/2050 DD 01/30/20	24,990	25,331	
	JOHNSON CONTROLS INTERNATIONAL 4.500% 02/15/2047 DD 02/07/17	23,942	24,314	
	VOYA FINANCIAL INC 4.800% 06/15/2046 DD 06/13/16	17,589	18,634	
	AMERICAN AIRLINES 2017-1 CLASS 3.650% 08/15/2030 DD 01/13/17	12,489	13,044	
	EXELON CORP 4.450% 04/15/2046 DD 04/07/16	5,840	5,990	
	BROADCOM INC 144A 3.187% 11/15/2036 DD 09/30/21	1,929	1,999	
	EQUITABLE LIFE ASSURANCE CONTR	4	4	
	JOHN HANCOCK MUT LIFE CONT #11 CAC	1	1	
	METROPOLITAN LIFE INS GAC #304	1	1	
	METROPOLITAN GAC #294	1	1	
Corporate Obligations Total		1,455,964,806	1,558,022,705	
U.S. Government Obligations				
	U S TREASURY BOND 1.750% 08/15/2041 DD 08/15/21	113,071,708	113,057,135	
	U S TREASURY BOND 2.000% 08/15/2051 DD 08/15/21	85,856,597	86,794,205	
	U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	79,253,246	81,732,212	
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	57,521,337	59,752,395	
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	54,351,144	57,026,925	
	U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	45,577,184	49,576,728	
	U S TREASURY BOND 3.000% 02/15/2049 DD 02/15/19	44,254,311	48,869,551	
	U S TREASURY NOTE 1.375% 12/31/2028 DD 12/31/21	48,396,344	48,425,526	
	U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	43,723,798	44,044,549	
	U S TREASURY NOTE 0.875% 06/30/2026 DD 06/30/21	41,677,016	41,150,195	
	U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	37,306,310	38,972,571	
	U S TREASURY BOND 1.125% 08/15/2040 DD 08/15/20	30,584,240	31,879,836	
	U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	28,934,581	29,184,525	
	U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	29,260,697	28,345,261	
	U S TREASURY NOTE 1.375% 11/15/2031 DD 11/15/21	27,884,073	27,902,953	
	U S TREASURY NOTE 0.250% 05/31/2025 DD 05/31/20	23,488,012	23,100,207	
	U S TREASURY NOTE 0.500% 11/30/2023 DD 11/30/21	21,589,060	21,519,864	
	U S TREASURY BOND 2.375% 05/15/2051 DD 05/15/21	20,964,055	21,416,581	
	U S TREASURY NOTE 0.250% 07/31/2025 DD 07/31/20	21,590,988	21,051,743	
	U S TREASURY NOTE 1.250% 11/30/2026 DD 11/30/21	20,713,689	20,690,000	
	U S TREASURY NOTE 0.125% 09/15/2023 DD 09/15/20	18,080,082	17,945,923	
	U S TREASURY NOTE 1.750% 12/31/2024 DD 12/31/19	16,876,450	16,328,516	
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	15,979,313	16,116,824	
	U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	14,189,072	16,046,304	
	U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	14,120,101	15,426,692	
	U S TREASURY NOTE 2.375% 05/15/2029 DD 05/15/19	15,228,994	14,427,929	
	U S TREASURY NOTE 0.750% 03/31/2026 DD 03/31/21	14,581,621	14,364,545	
	U S TREASURY NOTE 1.250% 05/31/2028 DD 05/31/21	13,812,355	13,779,021	
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	14,346,821	13,640,443	
	U S TREASURY NOTE 0.625% 12/31/2027 DD 12/31/20	13,839,495	13,354,011	
	U S TREASURY BD PRIN STRIP 0.000% 02/15/2043 DD 02/15/13	7,243,932	13,093,619	
	U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	12,125,976	12,809,372	
	U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	10,763,890	12,763,646	
	U S TREASURY NOTE 0.125% 08/15/2023 DD 08/15/20	12,804,132	12,711,327	
	U S TREASURY NOTE 0.625% 07/31/2026 DD 07/31/21	12,418,217	12,351,346	
	U S TREASURY NOTE 1.125% 02/28/2022 DD 02/29/20	12,092,148	11,969,837	
	U S TREASURY NOTE 0.125% 05/15/2023 DD 05/15/20	12,002,627	11,951,486	
	U S TREASURY BOND 2.250% 08/15/2046 DD 08/15/16	11,070,216	11,690,520	
	U S TREASURY NOTE 0.125% 03/31/2023 DD 03/31/21	11,629,952	11,581,828	
	U S TREASURY NOTE 0.125% 01/15/2024 DD 01/15/21	11,658,360	11,534,467	
	U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	11,798,069	11,363,353	
	U S TREASURY NOTE 0.250% 08/31/2025 DD 08/31/20	11,158,140	11,013,822	
	U S TREASURY NOTE 0.375% 01/31/2026 DD 01/31/21	10,253,683	10,133,808	
	U S TREASURY NOTE 0.500% 10/31/2027 DD 10/31/20	10,195,066	10,124,225	
	U S TREASURY NOTE 0.625% 11/30/2027 DD 11/30/20	10,167,831	10,098,430	
	U S TREASURY NOTE 0.625% 08/15/2030 DD 08/15/20	10,148,562	10,054,764	
	U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	10,702,430	9,643,505	
	U S TREASURY NOTE 2.750% 04/30/2023 DD 04/30/18	9,781,964	9,628,727	
	U S TREASURY NOTE 0.250% 06/30/2025 DD 06/30/20	9,177,236	8,985,031	
	U S TREASURY NOTE 0.625% 05/15/2030 DD 05/15/20	8,838,191	8,732,693	
	U S TREASURY NOTE 0.375% 04/15/2024 DD 04/15/21	8,817,875	8,713,408	

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	
	U S TREASURY NOTE 2.750% 07/31/2023 DD 07/31/18	8,854,028	8,651,483	
	U S TREASURY NOTE 1.000% 07/31/2028 DD 07/31/21	8,457,500	8,282,230	
	U S TREASURY BOND 3.375% 05/15/2044 DD 05/15/14	8,105,856	8,002,625	
	U S TREASURY NOTE 1.375% 10/31/2028 DD 10/31/21	7,847,624	7,860,399	
	U S TREASURY NOTE 1.500% 09/30/2024 DD 09/30/19	8,065,214	7,828,434	
	U S TREASURY NOTE 1.500% 11/30/2028 DD 11/30/21	7,572,144	7,566,445	
	U S TREASURY BD CPN STRIP 0.000% 02/15/2040 DD 02/16/10	6,306,661	7,545,692	
	U S TREASURY NOTE 0.375% 04/30/2025 DD 04/30/20	7,660,809	7,472,913	
	U S TREASURY NOTE 0.750% 04/30/2026 DD 04/30/21	7,372,591	7,257,180	
	U S TREASURY NOTE 0.125% 07/15/2023 DD 07/15/20	7,139,533	7,093,913	
	U S TREASURY NOTE 0.250% 05/15/2024 DD 05/15/21	7,156,718	7,088,434	
	U S TREASURY NOTE 0.750% 01/31/2028 DD 01/31/21	7,077,473	7,035,667	
	U S TREASURY BOND 1.625% 11/15/2050 DD 11/15/20	6,673,612	7,029,811	
	U S TREASURY BOND 3.125% 08/15/2044 DD 08/15/14	6,506,956	6,990,685	
	U S TREASURY NOTE 0.250% 03/15/2024 DD 03/15/21	6,984,260	6,927,282	
	U S TREASURY NOTE 0.500% 08/31/2027 DD 08/31/20	7,080,500	6,880,199	
	FEDERAL NATL MTG ASSN 7.250% 05/15/2030 DD 05/05/00	6,649,411	6,878,483	
	US TREAS INFLAT INDEXED BD FWD 0.375% 01/15/2027 DD 01/15/17	6,767,135	6,820,570	
	U S TREASURY NOTE 0.750% 11/15/2024 DD 11/15/21	6,616,490	6,614,157	
	U S TREASURY NOTE 2.375% 02/29/2024 DD 02/28/19	6,585,472	6,426,683	
	U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,969,172	6,019,681	
	U S TREASURY NOTE 0.500% 03/15/2023 DD 03/15/20	5,700,378	5,657,205	
	U S TREASURY NOTE 1.750% 05/15/2023 DD 05/15/13	5,430,943	5,423,134	
	U S TREASURY BD CPN STRIP 0.000% 05/15/2039 DD 05/15/09	3,969,728	5,302,804	
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	5,317,594	5,256,000	
	U S TREASURY NOTE 0.875% 11/15/2030 DD 11/15/20	5,224,452	5,239,659	
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	4,878,077	4,878,077	
	U S TREASURY NOTE 1.625% 05/15/2031 DD 05/15/21	4,890,432	4,810,244	
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	4,037,734	4,685,678	
	FEDERAL HOME LN MTG CORP 6.750% 03/15/2031 DD 10/25/00	4,330,852	4,609,816	
	U S TREASURY NOTE 2.000% 04/30/2024 DD 04/30/17	4,593,130	4,535,574	
	U S TREASURY NOTE 0.125% 04/30/2023 DD 04/30/21	4,367,382	4,346,795	
	U S TREASURY NOTE 0.250% 06/15/2024 DD 06/15/21	4,357,932	4,311,431	
	FEDERAL NATL MTG ASSN 6.625% 11/15/2030 DD 11/03/00	3,996,060	4,228,290	
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	4,160,039	4,111,681	
	U S TREASURY BOND 1.875% 11/15/2051 DD 11/15/21	3,460,073	3,413,766	
	FEDERAL NATL MTG ASSN 0.750% 10/08/2027 DD 10/09/20	3,446,513	3,334,351	
	FEDERAL HOME LN MTG CORP 0.375% 09/23/2025 DD 09/25/20	3,408,724	3,328,173	
	U S TREASURY NOTE 1.250% 09/30/2028 DD 09/30/21	3,275,152	3,259,085	
	PRIVATE EXPORT FUNDING CORP 1.400% 07/15/2028 DD 06/28/21	3,266,911	3,231,967	
	U S TREASURY BOND 2.000% 11/15/2041 DD 11/15/21	3,158,967	3,160,759	
	US TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	3,106,717	3,070,849	
	U S TREASURY NOTE 1.500% 10/31/2024 DD 10/31/19	3,122,240	3,027,382	
	U S TREASURY NOTE 0.500% 06/30/2027 DD 06/30/20	3,013,271	3,021,291	
	U S TREASURY BOND 1.250% 05/15/2050 DD 05/15/20	3,028,392	2,982,214	
	U S TREASURY NOTE 2.625% 02/15/2029 DD 02/15/19	2,946,986	2,867,274	
	U S TREASURY NOTE 1.250% 03/31/2028 DD 03/31/21	2,529,440	2,519,451	
	US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	2,333,657	2,515,379	
	U S TREASURY NOTE 1.000% 12/15/2024 DD 12/15/21	2,497,535	2,498,318	
	U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	2,493,762	2,456,462	
	FEDERAL NATL MTG ASSN 1.875% 09/24/2026 DD 09/27/16	2,392,026	2,369,102	
	U S TREASURY NOTE 0.125% 12/15/2023 DD 12/15/20	2,248,279	2,229,361	
	US TREASURY BOND FWD 2.750% 11/15/2042 DD 11/15/12	2,217,727	2,191,717	
	U S TREASURY NOTE 1.625% 02/15/2026 DD 02/15/16	2,150,484	2,126,909	
	U S TREASURY NOTE 0.375% 11/30/2025 DD 11/30/20	2,126,278	2,119,953	
	ISRAEL ST AID 5.500% 09/18/2033 DD 09/18/03	1,485,786	1,944,337	
	U S TREASURY BOND 1.375% 08/15/2050 DD 08/15/20	2,000,216	1,918,749	
	U S TREASURY NOTE 1.375% 02/15/2023 DD 02/15/20	1,880,360	1,864,243	
	U S TREASURY NOTE 2.875% 07/31/2025 DD 07/31/18	1,910,052	1,844,461	
	U S TREASURY NOTE 0.250% 10/31/2025 DD 10/31/20	1,434,143	1,411,689	
	FEDERAL NATL MTG ASSN 0.875% 08/05/2030 DD 08/05/20	1,354,332	1,307,066	
	U S TREASURY NOTE 0.125% 06/30/2023 DD 06/30/21	1,157,089	1,152,205	
	U S TREASURY BOND 5.250% 11/15/2028 DD 11/15/98	1,127,958	1,064,430	
	U S TREASURY NOTE 1.250% 08/31/2024 DD 08/31/19	1,011,549	994,269	
	IRAQ GOVERNMENT AID BOND 2.149% 01/18/2022 DD 01/18/17	997,663	990,723	

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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	
	US LONG BOND FUTURE (CBT) EXP MAR 22	-	956,844	
	U S TREASURY NOTE 2.125% 05/31/2026 DD 05/31/19	740,448	717,062	
	US TREAS-CPI INFLAT 0.250% 02/15/2050 DD 02/15/20	630,419	664,209	
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	660,384	651,434	
	US ULTRA BOND FUTURE (CBT) EXP MAR 22	-	482,115	
	US TREAS-CPI INFLAT 0.125% 02/15/2051 DD 02/15/21	409,054	427,945	
	PRIVATE EXPORT FUNDING CORP 3.550% 01/15/2024 DD 01/14/14	298,974	315,438	
	U S TREASURY NOTE 2.125% 03/31/2024 DD 03/31/17	199,972	195,582	
	US TREAS INFLAT INDEXED BD FWD 0.875% 02/15/2047 DD 02/15/17	122,239	123,740	
	U S TREASURY NOTE 0.500% 02/28/2026 DD 02/28/21	118,194	116,648	
	U S TREASURY NOTE 1.625% 08/15/2029 DD 08/15/19	99,259	101,441	
	US 5YR NOTE FUTURE (CBT) EXP MAR 22	-	92,812	
	ISRAEL ST AID 5.500% 04/26/2024 DD 04/26/04	95,938	88,247	
	US TREAS INFLAT INDEXED BD FWD 0.500% 01/15/2028 DD 01/15/17	60,931	61,483	
	US 2YR TREAS NTS FUT (CBT) EXP MAR 22	-	57,209	
	US 10YR NOTE FUTURE (CBT) EXP MAR 22	-	47,984	
	U S TREASURY BOND 1.875% 02/15/2051 DD 02/15/21	4,715	4,970	
	90DAY EURODOLLAR FUTURE (CME) EXP DEC 24	-	(7,525)	
	90DAY EURO\$ FUTURE (CME) EXP DEC 23	-	(150,500)	
	US 10YR ULTRA FUTURE (CBT) EXP MAR 22	-	(1,368,555)	
	US TREAS INFLAT INDEXED BD FWD 0.500% 04/15/2024 DD 04/15/19	(11,230,522)	(11,246,781)	
U.S. Government Obligations Total		1,531,397,370	1,559,089,475	
Total Investments		4,649,369,010	5,385,982,828	
401(h)				
Short-Term Investments				
*	EB TEMP INV FD VAR RT 12/31/2049 DD 04/02/10	6,646,390	6,646,390	
	CAD (CANADIAN DOLLARS)	3,111	3,093	
	GBP (GREAT BRITISH POUNDS)	565	580	
	NZD (NEW ZEALAND DOLLAR)	49	44	
	ZAR (SOUTH AFRICAN RAND)	1	1	
	JPY (JAPANESE YEN)	0	-	
	TWD (TAIWAN DOLLAR)	0	-	
	HKD (HONG KONG DOLLARS)	0	-	
	KRW (SOUTH KOREAN WON)	-	-	
	CHF (SWISS FRANC)	(0)	-	
	EUR (EURO)	(16)	-	
Short-Term Investments Total		6,650,100	6,650,108	
State and Local Government Obligations				
	PORT AUTH OF NEW YORK & NEW JE 4.926% 10/01/2051 DD 10/06/11	763,505	880,142	
	ILLINOIS ST 5.100% 06/01/2033 DD 06/12/03	519,140	520,146	
	CHICAGO IL TRANSIT AUTH SALES 6.200% 12/01/2040 DD 04/06/10	328,665	369,158	
	CALIFORNIA ST 4.600% 04/01/2038 DD 04/25/18	335,852	368,368	
	UNIV OF CALIFORNIA CA REVENUES 4.767% 04/11/2023 DD 04/08/15	246,163	343,330	
	NEW YORK ST URBAN DEV CORP REV 3.900% 03/15/2033 DD 01/16/19	274,460	296,684	
	NEW YORK CITY NY MUNI WTR FIN 5.440% 06/15/2043 DD 09/23/10	257,178	288,798	
	MUNI ELEC AUTH OF GEORGIA 6.637% 04/01/2057 DD 03/11/10	208,278	255,772	
	SALES TAX SECURITIZATION CORP 4.637% 01/01/2040 DD 01/30/19	181,793	216,531	
	SALES TAX SECURITIZATION CORP 3.587% 01/01/2043 DD 12/14/17	145,819	173,536	
	NEW YORK ST THRUWAY AUTH 3.500% 01/01/2042 DD 10/30/19	155,105	161,276	
	DALLAS TX AREA RAPID TRANSIT S 2.613% 12/01/2048 DD 12/01/21	149,178	147,077	
	CALIFORNIA ST 7.600% 11/01/2040 DD 12/01/10	134,124	146,524	
	N TX TOLLWAY AUTH REVENUE 6.718% 01/01/2049 DD 08/12/09	119,631	135,171	
	CALIFORNIA ST 4.500% 04/01/2033 DD 04/25/18	109,817	121,796	
	NEW YORK ST DORM AUTH ST PERSO 3.110% 02/15/2039 DD 01/03/20	80,000	84,942	
	UNIV OF CALIFORNIA CA RGTS MED 6.548% 05/15/2048 DD 11/18/10	65,945	77,370	
	CHICAGO IL TRANSIT AUTH SALES 6.899% 12/01/2040 DD 08/06/08	62,542	70,421	
	KANSAS ST DEV FIN AUTH REVENUE 4.927% 04/15/2045 DD 08/20/15	48,940	58,586	
	RUTGERS NJ ST UNIV 3.270% 05/01/2043 DD 10/24/19	50,000	52,815	
	MASSACHUSETTS ST 2.514% 07/01/2041 DD 07/09/20	50,000	49,257	
	BAY AREA CA TOLL AUTH TOLL BRI 3.552% 04/01/2054 DD 09/26/19	45,000	46,359	
	CALIFORNIA ST 7.550% 04/01/2039 DD 04/28/09	23,588	25,032	
	CMWLTH FING AUTH PA 4.144% 06/01/2038 DD 10/31/16	9,709	11,724	
State and Local Government Obligations Total		4,364,432	4,900,815	

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Common/Collective Trusts				
*	JPMCB LONG DURATION INVESTMENT GRADE FUND	89,444,907	157,428,630	
	BNYM-M DB SL ACWI FUND	63,689,003	110,830,278	
Common/Collective Trusts Total		153,133,910	268,258,908	
Corporate Obligations				
	AT&T INC 3.500% 09/15/2053 DD 03/15/21	1,559,995	1,822,081	
	VERIZON COMMUNICATIONS INC 4.812% 03/15/2039 DD 02/03/17	1,196,785	1,501,936	
	TIME WARNER CABLE LLC 5.500% 09/01/2041 DD 09/12/11	910,648	1,033,116	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.900% 02/01/2046 DD 02/01/19	787,191	1,011,744	
	COMCAST CORP 3.400% 07/15/2046 DD 07/19/16	805,115	946,008	
	MICROSOFT CORP 2.921% 03/17/2052 DD 03/17/21	865,251	925,314	
	WELLS FARGO & CO 4.650% 11/04/2044 DD 11/04/14	757,400	868,196	
	BERKSHIRE HATHAWAY ENERGY CO 6.125% 04/01/2036 DD 10/01/06	802,897	836,870	
	ORACLE CORP 5.375% 07/15/2040 DD 07/15/11	800,189	801,792	
	CHARTER COMMUNICATIONS OPERATI 5.375% 05/01/2047 DD 11/01/17	649,272	736,278	
	BURLINGTON NORTHERN SANTA FE L 4.150% 04/01/2045 DD 03/09/15	612,057	699,323	
	MEXICO GOVERNMENT INTERNATIONA 5.000% 04/27/2051	631,960	692,393	
	HSBC HOLDINGS PLC VAR RT 05/24/2032 DD 05/24/21	625,000	627,644	
	AT&T INC 3.800% 12/01/2057 DD 06/01/21	642,350	626,123	
	RAYTHEON TECHNOLOGIES CORP 3.750% 11/01/2046 DD 11/01/16	528,716	614,774	
	ENERGY TRANSFER LP 6.050% 06/01/2041 DD 05/12/11	535,240	613,255	
	BANK OF AMERICA CORP VAR RT 06/19/2041 DD 06/19/20	594,771	569,498	
	SUNCOR ENERGY INC 6.500% 06/15/2038 DD 06/28/07	439,972	534,444	
	JPMORGAN CHASE & CO VAR RT 11/15/2048 DD 11/10/17	432,849	511,960	
	ENTERPRISE PRODUCTS OPERATING 5.100% 02/15/2045 DD 02/12/14	450,186	500,859	
	HOME DEPOT INC/THE 4.400% 03/15/2045 DD 06/12/14	438,628	500,744	
	AMAZON.COM INC 3.875% 08/22/2037 DD 02/22/18	395,301	447,203	
	JOHNSON & JOHNSON 3.700% 03/01/2046 DD 03/01/16	377,059	430,226	
	APPLE INC 3.850% 08/04/2046 DD 08/04/16	369,599	428,026	
	CVS HEALTH CORP 5.125% 07/20/2045 DD 07/20/15	374,180	423,735	
	DUKE ENERGY PROGRESS LLC 4.100% 05/15/2042 DD 05/18/12	377,014	421,528	
	MCDONALD'S CORP 4.875% 12/09/2045 DD 12/09/15	366,536	418,844	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/31/2038 DD 10/31/17	360,248	412,722	
	NATIONWIDE MUTUAL INSURAN 144A 9.375% 08/15/2039 DD 08/10/09	396,050	406,621	
	ORACLE CORP 3.600% 04/01/2050 DD 04/01/20	439,618	402,891	
	DUKE ENERGY CAROLINAS LLC 3.875% 03/15/2046 DD 03/11/16	363,971	401,093	
	ABBVIE INC 4.050% 11/21/2039 DD 05/21/20	337,859	386,158	
	REYNOLDS AMERICAN INC 5.850% 08/15/2045 DD 06/12/15	361,138	383,809	
	PACIFICORP 4.125% 01/15/2049 DD 07/13/18	329,261	381,493	
	BANK OF AMERICA CORP VAR RT 04/22/2042 DD 04/22/21	360,000	379,444	
	POTOMAC ELECTRIC POWER CO 4.150% 03/15/2043 DD 03/18/13	335,749	367,832	
	SHELL INTERNATIONAL FINANCE BV 4.000% 05/10/2046 DD 05/10/16	316,610	361,714	
	BROADCOM INC 4.300% 11/15/2032 DD 05/08/20	338,424	348,784	
	JPMORGAN CHASE & CO VAR RT 04/22/2041 DD 04/22/20	361,854	347,904	
	AMGEN INC 3.375% 02/21/2050 DD 02/21/20	340,977	344,573	
	ABBVIE INC 4.250% 11/21/2049 DD 05/21/20	297,335	341,667	
	BRISTOL-MYERS SQUIBB CO 4.250% 10/26/2049 DD 04/26/20	360,506	341,047	
	ANTHEM INC 4.625% 05/15/2042 DD 05/07/12	293,285	336,452	
	DISCOVERY COMMUNICATIONS LLC 5.200% 09/20/2047 DD 09/21/17	285,245	335,740	
	JPMORGAN CHASE & CO VAR RT 07/24/2038 DD 07/24/17	295,242	335,542	
	CONSOLIDATED EDISON CO OF NEW 6.750% 04/01/2038 DD 04/04/08	322,666	332,962	
	ROYALTY PHARMA PLC 3.350% 09/02/2051 DD 07/26/21	336,599	331,255	
	TELEFONICA EMISIONES SA 5.213% 03/08/2047 DD 03/08/17	293,684	330,028	
	OGLETHORPE POWER CORP 5.050% 10/01/2048 DD 04/01/19	261,806	329,131	
	DUKE ENERGY INDIANA LLC 4.200% 03/15/2042 DD 03/15/12	295,916	326,590	
	MORGAN STANLEY VAR RT 07/22/2038 DD 07/24/17	288,913	325,570	
	ENERGY TRANSFER LP 6.000% 06/15/2048 DD 06/08/18	273,098	323,963	
	GE CAPITAL INTERNATIONAL FUNDI 4.418% 11/15/2035 DD 05/15/16	278,366	323,878	
	BOEING CO/THE 5.705% 05/01/2040 DD 05/04/20	254,366	321,868	
	UNUM GROUP 4.500% 12/15/2049 DD 09/11/19	265,482	320,142	
	DOMINION ENERGY INC 7.000% 06/15/2038 DD 06/17/08	297,537	319,429	

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	COMMONWEALTH EDISON CO 6.450% 01/15/2038 DD 01/16/08	302,136	319,303	
	SEMPRA ENERGY 3.800% 02/01/2038 DD 01/12/18	269,127	313,449	
	MEXICO GOVERNMENT INTERNATIONA 4.280% 08/14/2041 DD 04/14/21	299,814	310,875	
	PANAMA GOVERNMENT INTERNATIONA 3.870% 07/23/2060	336,693	305,000	
	ABBOTT LABORATORIES 4.750% 11/30/2036 DD 11/22/16	239,019	300,342	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.700% 02/01/2036 DD 02/01/19	236,179	296,092	
	ALABAMA POWER CO 4.300% 01/02/2046 DD 01/13/16	264,502	294,372	
	VERIZON COMMUNICATIONS INC 3.700% 03/22/2061 DD 03/22/21	266,908	294,017	
	WALT DISNEY CO/THE 3.500% 05/13/2040 DD 05/13/20	268,680	291,002	
	T-MOBILE USA INC 4.500% 04/15/2050 DD 04/15/21	252,051	287,735	
	APPLE INC 3.750% 11/13/2047 DD 11/13/17	228,082	282,662	
	CITIGROUP INC VAR RT 05/01/2032 DD 05/04/21	280,000	281,772	
	BANK OF AMERICA CORP VAR RT 01/23/2049 DD 01/23/18	225,331	281,153	
	UNION PACIFIC CORP 4.100% 09/15/2067 DD 09/19/17	221,420	280,621	
	GOLDMAN SACHS GROUP INC/THE VAR RT 01/27/2032 DD 01/27/21	281,841	278,359	
	BROADCOM INC 144A 3.469% 04/15/2034 DD 03/31/21	272,250	277,550	
	CONAGRA BRANDS INC 5.400% 11/01/2048 DD 10/22/18	232,204	276,976	
	MORGAN STANLEY VAR RT 01/22/2031 DD 01/22/20	270,000	276,507	
	VODAFONE GROUP PLC 5.250% 05/30/2048 DD 05/30/18	207,200	274,413	
	LOCKHEED MARTIN CORP 3.600% 03/01/2035 DD 02/20/15	243,133	274,177	
	GILEAD SCIENCES INC 4.150% 03/01/2047 DD 09/20/16	240,603	271,694	
	ENTERPRISE PRODUCTS OPERATING 4.800% 02/01/2049 DD 10/11/18	260,069	268,629	
	QATAR GOVERNMENT INTERNAT 144A 4.817% 03/14/2049	247,500	262,128	
	PFIZER INC 4.125% 12/15/2046 DD 11/21/16	224,916	260,421	
	BOSTON SCIENTIFIC CORP 4.550% 03/01/2039 DD 02/25/19	213,892	257,783	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.600% 04/15/2048 DD 04/04/18	212,744	257,376	
	LOWE'S COS INC 4.050% 05/03/2047 DD 05/03/17	205,635	253,944	
	AT&T INC 3.650% 09/15/2059 DD 03/15/21	215,754	253,530	
	INTEL CORP 3.050% 08/12/2051 DD 08/12/21	250,265	251,605	
	GEORGIA POWER CO 4.300% 03/15/2042 DD 03/06/12	227,305	251,159	
	CHARTER COMMUNICATIONS OPERATI 3.850% 04/01/2061 DD 12/04/20	259,693	246,171	
	HCA INC 3.500% 07/15/2051 DD 06/30/21	238,802	245,592	
	ONCOR ELECTRIC DELIVERY CO LLC 4.550% 12/01/2041 DD 06/01/12	219,134	244,210	
	BRIGHTHOUSE FINANCIAL INC 4.700% 06/22/2047 DD 12/22/17	219,157	243,290	
	MERCK & CO INC 3.700% 02/10/2045 DD 02/10/15	216,384	242,462	
	COMCAST CORP 144A 2.887% 11/01/2051 DD 08/19/21	246,248	241,772	
	BANK OF AMERICA CORP VAR RT 03/20/2051 DD 03/20/20	213,485	241,132	
	CITIGROUP INC 4.650% 07/30/2045 DD 07/30/15	206,939	240,337	
	DISCOVERY COMMUNICATIONS LLC 5.300% 05/15/2049 DD 05/21/19	204,466	237,386	
	INDONESIA GOVERNMENT INTERNATI 4.450% 04/15/2070 DD 04/15/20	201,000	237,292	
	ANGLO AMERICAN CAPITAL PL 144A 5.625% 04/01/2030 DD 04/01/20	240,850	237,184	
	MORGAN STANLEY VAR RT 02/13/2032 DD 11/13/20	250,000	236,908	
	GE CAPITAL FUNDING LLC 4.550% 05/15/2032 DD 11/15/20	235,964	236,840	
	ORACLE CORP 3.600% 04/01/2040 DD 04/01/20	241,705	236,600	
	JPMORGAN CHASE & CO VAR RT 04/22/2052 DD 04/22/21	220,000	236,326	
	ABBVIE INC 4.500% 05/14/2035 DD 05/14/15	193,848	233,936	
	PARAMOUNT GLOBAL 4.375% 03/15/2043 DD 03/15/13	181,438	232,744	
	AMERICAN INTERNATIONAL GROUP I 4.375% 06/30/2050 DD 05/11/20	194,713	231,431	
	DIGNITY HEALTH 5.267% 11/01/2064 DD 10/15/14	174,499	230,980	
	APPLE INC 2.375% 02/08/2041 DD 02/08/21	234,629	229,292	
	ROYALTY PHARMA PLC 3.550% 09/02/2050 DD 03/02/21	224,723	228,875	
	JPMORGAN CHASE & CO VAR RT 02/22/2048 DD 02/22/17	193,029	226,919	
	FEDEX CORP 4.100% 02/01/2045 DD 01/09/15	199,346	224,600	
	CLECO CORPORATE HOLDINGS LLC VAR RT 05/01/2046 DD 11/01/16	200,221	224,113	
	ITC HOLDINGS CORP 5.300% 07/01/2043 DD 07/03/13	201,219	222,797	
	AMERICAN WATER CAPITAL CORP 4.200% 09/01/2048 DD 08/09/18	199,012	221,497	
	BECTON DICKINSON AND CO 4.669% 06/06/2047 DD 06/06/17	195,643	221,366	
	PANAMA GOVERNMENT INTERNATIONA 4.500% 04/01/2056 DD 04/01/20	200,000	220,302	
	BRISTOL-MYERS SQUIBB CO 2.550% 11/13/2050 DD 11/13/20	228,250	218,470	
	BANK OF AMERICA CORP VAR RT 01/20/2048 DD 01/20/17	186,426	218,183	
	MEXICO GOVERNMENT INTERNATIONA 4.750% 03/08/2044	232,000	217,752	
	ALIBABA GROUP HOLDING LTD 4.000% 12/06/2037 DD 12/06/17	204,640	217,294	
	KAISER FOUNDATION HOSPITALS 2.810% 06/01/2041 DD 06/15/21	215,000	216,787	
	BERKSHIRE HATHAWAY INC 4.500% 02/11/2043 DD 02/11/13	194,506	216,571	
	INTEL CORP 3.100% 02/15/2060 DD 02/13/20	213,583	215,817	

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, 2021

(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	
	NESTLE HOLDINGS INC 144A 4.000% 09/24/2048 DD 09/24/18	172,650	215,808	
	RAYTHEON TECHNOLOGIES CORP 4.200% 12/15/2044 DD 06/15/20	236,246	215,764	
	UNITEDHEALTH GROUP INC 4.250% 04/15/2047 DD 03/13/17	188,841	214,881	
	VISA INC 4.300% 12/14/2045 DD 12/14/15	186,043	214,617	
	ALTRIA GROUP INC 3.875% 09/16/2046 DD 09/16/16	211,453	213,479	
	MPLX LP 5.200% 12/01/2047 DD 12/01/19	174,358	213,155	
	TENCENT HOLDINGS LTD 144A 3.925% 01/19/2038	185,048	212,797	
	EMERA US FINANCE LP 4.750% 06/15/2046 DD 12/15/16	183,860	212,704	
	MEXICO GOVERNMENT INTERNATIONA 4.500% 01/31/2050 DD 07/31/19	190,500	212,000	
	HESS CORP 5.600% 02/15/2041 DD 08/10/10	168,054	210,395	
	VERIZON COMMUNICATIONS INC 3.400% 03/22/2041 DD 03/22/21	199,884	209,966	
	CIGNA CORP 4.800% 08/15/2038 DD 08/15/19	167,735	209,588	
	GOLDMAN SACHS GROUP INC/THE VAR RT 07/21/2042 DD 07/21/21	210,000	209,395	
	PACIFIC GAS AND ELECTRIC CO 3.500% 08/01/2050 DD 06/19/20	220,405	209,144	
	APPLE INC 2.950% 09/11/2049 DD 09/11/19	205,999	208,894	
	COMCAST CORP 144A 2.987% 11/01/2063 DD 08/19/21	215,297	206,925	
	QATAR ENERGY 144A 3.300% 07/12/2051 DD 07/12/21	200,000	205,874	
	UNITEDHEALTH GROUP INC 3.500% 08/15/2039 DD 07/25/19	191,980	205,659	
	EQUINIX INC 3.400% 02/15/2052 DD 05/17/21	198,356	204,690	
	BOEING CO/THE 3.750% 02/01/2050 DD 07/31/19	192,639	203,393	
	QATAR ENERGY 144A 3.125% 07/12/2041 DD 07/12/21	199,262	202,124	
	SAUDI GOVERNMENT INTERNAT 144A 3.450% 02/02/2061 DD 02/02/21	200,000	201,788	
	BAXTER INTERNATIONAL INC 144A 3.132% 12/01/2051 DD 12/01/21	196,395	201,417	
	CHILE GOVERNMENT INTERNATIONAL 2.550% 01/27/2032 DD 01/27/20	202,200	199,500	
	PHILIPPINE GOVERNMENT INTERNAT 2.950% 05/05/2045	210,250	196,995	
	HUNGARY GOVERNMENT INTERN 144A 3.125% 09/21/2051	191,746	196,749	
	PACIFIC GAS AND ELECTRIC CO 4.950% 07/01/2050 DD 07/02/20	187,750	196,661	
	ROCHE HOLDINGS INC 144A 2.607% 12/13/2051 DD 12/13/21	200,000	195,910	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 05/07/2041	198,852	195,700	
	CVS HEALTH CORP 4.780% 03/25/2038 DD 03/09/18	155,336	195,550	
	WALMART INC 2.650% 09/22/2051 DD 09/22/21	189,297	195,079	
	SALESFORCE INC 2.900% 07/15/2051 DD 07/12/21	189,470	194,146	
	SOUTHERN CO/THE 4.400% 07/01/2046 DD 05/24/16	172,353	193,908	
	PACIFIC GAS AND ELECTRIC CO 3.950% 12/01/2047 DD 11/29/17	207,830	193,266	
	SOUTHERN COPPER CORP 5.875% 04/23/2045 DD 04/23/15	150,549	192,293	
	BP CAPITAL MARKETS AMERICA INC 3.379% 02/08/2061 DD 02/08/21	182,463	190,909	
	SOUTHERN CALIFORNIA EDISON CO 4.000% 04/01/2047 DD 03/24/17	177,409	188,066	
	CONSOLIDATED EDISON CO OF NEW 3.700% 11/15/2059 DD 11/08/19	173,444	187,565	
	NORTHERN STATES POWER CO/MN 3.600% 09/15/2047 DD 09/13/17	145,792	186,138	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 01/22/2061	199,272	185,472	
	WALT DISNEY CO/THE 4.750% 11/15/2046 DD 11/15/19	162,510	185,345	
	WILLIAMS COS INC/THE 5.100% 09/15/2045 DD 03/03/15	158,041	184,898	
	AMAZON.COM INC 2.700% 06/03/2060 DD 06/03/20	187,750	183,971	
	T-MOBILE USA INC 4.375% 04/15/2040 DD 04/15/21	162,774	183,371	
	APPLE INC 2.650% 02/08/2051 DD 02/08/21	183,785	182,612	
	KAISER FOUNDATION HOSPITALS 3.002% 06/01/2051 DD 06/15/21	175,000	180,807	
	DOMINION ENERGY SOUTH CAROLINA 5.100% 06/01/2065 DD 05/22/15	143,046	179,490	
	DOW CHEMICAL CO/THE 4.375% 11/15/2042 DD 11/14/12	150,220	171,724	
	BANK OF AMERICA CORP VAR RT 03/15/2050 DD 03/15/19	174,723	171,323	
	WELLS FARGO & CO VAR RT 04/04/2051 DD 03/30/20	144,529	171,290	
	MERCK & CO INC 2.900% 12/10/2061 DD 12/10/21	169,521	169,551	
	MARSH & MCLENNAN COS INC 4.750% 03/15/2039 DD 01/15/19	140,660	168,747	
	GOLDMAN SACHS GROUP INC/THE VAR RT 04/23/2039 DD 04/23/18	139,715	167,636	
	KAISER FOUNDATION HOSPITALS 4.150% 05/01/2047 DD 05/03/17	150,758	166,983	
	COCA-COLA CO/THE 2.500% 06/01/2040 DD 05/01/20	164,919	166,104	
	BAYER US FINANCE II LLC 144A 4.700% 07/15/2064 DD 07/15/18	140,723	164,527	
	INTERCONTINENTAL EXCHANGE INC 3.000% 09/15/2060 DD 08/20/20	164,090	163,829	
	GOLDMAN SACHS GROUP INC/THE 5.150% 05/22/2045 DD 05/22/15	141,538	162,955	
	ORACLE CORP 3.950% 03/25/2051 DD 03/24/21	154,729	161,504	
	ORACLE CORP 4.000% 11/15/2047 DD 11/09/17	169,756	161,459	
	MCDONALD'S CORP 4.450% 09/01/2048 DD 08/15/18	138,283	160,611	
	PNC FINANCIAL SERVICES GROUP I 2.550% 01/22/2030 DD 01/22/20	154,566	159,500	
	AMGEN INC 3.150% 02/21/2040 DD 02/21/20	156,113	159,388	
	CHILE GOVERNMENT INTERNATIONAL 3.625% 10/30/2042	162,360	158,625	
	KINDER MORGAN INC 3.250% 08/01/2050 DD 08/05/20	153,840	158,483	

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, 2021

(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	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.375% 04/15/2038 DD 04/04/18	134,323	158,460	
	MORGAN STANLEY 4.375% 01/22/2047 DD 01/20/17	139,866	157,545	
	JPMORGAN CHASE & CO VAR RT 04/22/2042 DD 04/22/21	150,000	157,032	
	AERCAP IRELAND CAPITAL DAC / A 3.850% 10/29/2041 DD 10/29/21	149,648	156,671	
	LEIDOS INC 4.375% 05/15/2030 DD 05/15/21	138,851	155,977	
	AMAZON.COM INC 4.250% 08/22/2057 DD 02/22/18	132,335	155,572	
	EXXON MOBIL CORP 4.327% 03/19/2050 DD 03/19/20	125,000	154,028	
	SOUTHERN CALIFORNIA EDISON CO 3.600% 02/01/2045 DD 01/16/15	148,989	153,809	
	MICROSOFT CORP 2.525% 06/01/2050 DD 06/01/20	159,473	153,712	
	NORFOLK SOUTHERN CORP 3.155% 05/15/2055 DD 05/15/20	147,162	153,599	
	PFIZER INC 3.900% 03/15/2039 DD 03/11/19	141,343	153,353	
	GENERAL MOTORS CO 5.950% 04/01/2049 DD 09/10/18	108,601	151,039	
	NATIONAL RURAL UTILITIES COOPE 4.300% 03/15/2049 DD 01/31/19	137,511	150,407	
	SALESFORCE INC 2.700% 07/15/2041 DD 07/12/21	149,172	150,252	
	UNITEDHEALTH GROUP INC 3.875% 08/15/2059 DD 07/25/19	124,402	150,244	
	AMGEN INC 4.563% 06/15/2048 DD 12/15/16	129,072	149,273	
	CITIGROUP INC VAR RT 04/24/2048 DD 04/25/17	117,646	147,732	
	JOHNSON CONTROLS INTERNATIONAL VAR RT 07/02/2044 DD 07/02/16	114,594	147,122	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.450% 01/23/2039 DD 01/23/19	112,534	144,297	
	NVIDIA CORP 3.500% 04/01/2050 DD 03/31/20	124,678	143,035	
	BOEING CO/THE 5.805% 05/01/2050 DD 05/04/20	140,629	142,644	
	NORTHROP GRUMMAN CORP 4.030% 10/15/2047 DD 10/13/17	112,740	141,912	
	GLP CAPITAL LP / GLP FINANCING 5.300% 01/15/2029 DD 09/26/18	125,052	141,900	
	ROGERS COMMUNICATIONS INC 4.350% 05/01/2049 DD 04/30/19	119,600	139,534	
	BANK OF AMERICA CORP VAR RT 04/23/2040 DD 04/23/19	134,707	138,210	
	SOUTHERN CALIFORNIA EDISON CO 3.650% 02/01/2050 DD 01/09/20	134,896	138,061	
	FISERV INC 4.400% 07/01/2049 DD 06/24/19	114,296	137,477	
	CONSTELLATION BRANDS INC 3.750% 05/01/2050 DD 04/27/20	124,173	137,028	
	DUPONT DE NEMOURS INC 5.319% 11/15/2038 DD 11/28/18	105,314	135,608	
	OHIO EDISON CO 6.875% 07/15/2036 DD 06/26/06	128,121	135,430	
	PHILLIPS 66 3.300% 03/15/2052 DD 11/15/21	134,005	135,375	
	CONSOLIDATED EDISON CO OF NEW 4.500% 05/15/2058 DD 05/10/18	109,493	135,079	
	T-MOBILE USA INC 144A 3.400% 10/15/2052 DD 08/13/21	134,220	134,845	
	TRANE TECHNOLOGIES GLOBAL HOLD 4.300% 02/21/2048 DD 02/21/18	109,614	134,496	
	FEDEX CORP 5.250% 05/15/2050 DD 04/07/20	116,933	134,232	
	EQUINOR ASA 3.625% 04/06/2040 DD 04/06/20	118,886	133,651	
	SIMON PROPERTY GROUP LP 3.250% 09/13/2049 DD 09/13/19	129,481	133,592	
	RIO TINTO FINANCE USA LTD 5.200% 11/02/2040 DD 11/02/10	119,350	133,384	
	CATERPILLAR INC 3.250% 04/09/2050 DD 04/09/20	119,521	133,088	
	AMERICAN INTERNATIONAL GROUP I 3.875% 01/15/2035 DD 01/15/15	107,170	132,856	
	EXELON CORP 4.700% 04/15/2050 DD 04/01/20	128,414	132,267	
	NATIONWIDE MUTUAL INSURAN 144A 4.350% 04/30/2050 DD 04/30/20	115,444	132,178	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.550% 01/23/2049 DD 01/23/19	117,434	131,855	
	KYNDRYL HOLDINGS INC 144A 4.100% 10/15/2041 DD 10/15/21	134,398	131,038	
	ANHEUSER-BUSCH INBEV FINANCE I 4.000% 01/17/2043 DD 01/17/13	106,173	130,547	
	AETNA INC 4.125% 11/15/2042 DD 11/07/12	120,111	130,070	
	HALLIBURTON CO 4.850% 11/15/2035 DD 11/13/15	117,489	129,460	
	AMAZON.COM INC 4.050% 08/22/2047 DD 02/22/18	107,520	127,743	
	DUKE ENERGY CORP 3.300% 06/15/2041 DD 06/10/21	124,690	127,221	
	BP CAPITAL MARKETS AMERICA INC 3.060% 06/17/2041 DD 06/17/21	125,000	126,861	
	ALTRIA GROUP INC 3.700% 02/04/2051 DD 02/04/21	134,008	126,283	
	VIRGINIA ELECTRIC AND POWER CO 4.650% 08/15/2043 DD 08/15/13	113,103	125,626	
	EQUITABLE HOLDINGS INC 5.000% 04/20/2048 DD 10/20/18	95,988	125,300	
	SHERWIN-WILLIAMS CO/THE 4.500% 06/01/2047 DD 05/16/17	95,201	125,032	
	NORTHERN STATES POWER CO/MN 2.600% 06/01/2051 DD 06/15/20	127,553	124,531	
	VALE OVERSEAS LTD 3.750% 07/08/2030 DD 07/08/20	122,913	124,201	
	APPLE INC 2.700% 08/05/2051 DD 08/05/21	124,303	124,166	
	CHARTER COMMUNICATIONS OPERATI 4.800% 03/01/2050 DD 10/24/19	114,377	123,564	
	OTIS WORLDWIDE CORP 3.112% 02/15/2040 DD 08/15/20	120,555	123,420	
	AMERICAN WATER CAPITAL CORP 3.750% 09/01/2047 DD 08/10/17	103,504	123,091	
	SHELL INTERNATIONAL FINANCE BV 3.000% 11/26/2051 DD 11/26/21	120,275	122,417	
	IHS MARKIT LTD 4.750% 08/01/2028 DD 07/23/18	104,609	121,669	
	WALMART INC 2.500% 09/22/2041 DD 09/22/21	120,000	121,352	
	BANK OF AMERICA CORP VAR RT 10/20/2032 DD 10/20/21	120,000	120,720	
	BP CAPITAL MARKETS AMERICA INC 2.939% 06/04/2051 DD 12/04/20	119,953	120,461	

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	
	CSX CORP 4.500% 08/01/2054 DD 07/21/14	99,928	119,977	
	VISA INC 2.000% 08/15/2050 DD 08/17/20	133,553	119,366	
	QUALCOMM INC 4.300% 05/20/2047 DD 05/26/17	108,761	118,102	
	HERSHEY CO/THE 3.125% 11/15/2049 DD 10/31/19	109,881	117,971	
	NORFOLK SOUTHERN CORP 4.800% 08/15/2043 DD 08/13/13	111,338	117,537	
	MPLX LP 5.200% 03/01/2047 DD 02/10/17	99,040	116,668	
	ALPHABET INC 2.250% 08/15/2060 DD 08/05/20	128,709	116,437	
	BANK OF AMERICA CORP VAR RT 03/13/2052 DD 03/11/21	105,000	116,312	
	EVERGY METRO INC 4.200% 06/15/2047 DD 06/15/17	94,894	115,891	
	BERKSHIRE HATHAWAY FINANCE COR 4.200% 08/15/2048 DD 08/15/18	94,518	115,682	
	ASTRAZENECA PLC 4.375% 11/16/2045 DD 11/16/15	97,949	115,631	
	DOMINION ENERGY INC 3.300% 04/15/2041 DD 04/05/21	109,903	114,573	
	BRISTOL-MYERS SQUIBB CO 2.350% 11/13/2040 DD 11/13/20	119,417	114,136	
	FORTIVE CORP 4.300% 06/15/2046 DD 06/15/17	103,039	114,079	
	COMCAST CORP 3.900% 03/01/2038 DD 02/08/18	99,515	113,411	
	BROADCOM INC 144A 3.500% 02/15/2041 DD 01/19/21	109,619	112,719	
	WALT DISNEY CO/THE 4.625% 03/23/2040 DD 03/23/20	89,790	112,153	
	STARBUCKS CORP 4.500% 11/15/2048 DD 08/10/18	88,484	111,672	
	ALABAMA POWER CO 3.450% 10/01/2049 DD 09/17/19	110,136	111,672	
	UNITEDHEALTH GROUP INC 3.750% 10/15/2047 DD 10/25/17	94,122	109,418	
	SUTTER HEALTH 3.361% 08/15/2050 DD 10/29/20	104,000	109,387	
	VERIZON COMMUNICATIONS INC 2.850% 09/03/2041 DD 09/03/21	109,734	108,840	
	ONEOK PARTNERS LP 6.850% 10/15/2037 DD 09/28/07	92,593	107,435	
	EXXON MOBIL CORP 4.227% 03/19/2040 DD 03/19/20	95,787	106,691	
	SHELL INTERNATIONAL FINANCE BV 2.875% 11/26/2041 DD 11/26/21	103,723	105,391	
	HCA INC 5.125% 06/15/2039 DD 06/12/19	84,223	104,927	
	WILLIAMS COS INC/THE 5.800% 11/15/2043 DD 11/15/13	92,308	104,503	
	BRIGHTHOUSE FINANCIAL INC 3.850% 12/22/2051 DD 11/22/21	104,922	104,319	
	CITIGROUP INC VAR RT 11/03/2042 DD 11/03/21	105,000	104,272	
	MASSACHUSETTS INSTITUTE OF TEC 2.989% 07/01/2050 DD 12/20/19	95,021	104,197	
	MPLX LP 4.900% 04/15/2058 DD 02/08/18	89,840	103,952	
	JOHNSON CONTROLS INTERNATIONAL STEP 07/02/2064 DD 07/02/2016	86,913	103,766	
	SUTTER HEALTH 3.161% 08/15/2040 DD 10/29/20	100,000	103,141	
	EQUINOR ASA 4.250% 11/23/2041 DD 11/23/11	88,078	102,423	
	METLIFE INC 4.050% 03/01/2045 DD 03/05/15	87,009	101,351	
	PUGET SOUND ENERGY INC 3.250% 09/15/2049 DD 08/30/19	95,502	100,577	
	NISOURCE INC 4.375% 05/15/2047 DD 05/22/17	108,039	100,411	
	ABBVIE INC 4.300% 05/14/2036 DD 05/12/16	76,791	100,270	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.350% 06/01/2040 DD 04/03/20	84,946	100,157	
	TRANSCANADA PIPELINES LTD 4.625% 03/01/2034 DD 02/28/14	88,190	99,918	
	ORACLE CORP 3.800% 11/15/2037 DD 11/09/17	94,643	99,417	
	SOUTHERN CO GAS CAPITAL CORP 3.150% 09/30/2051 DD 09/10/21	99,114	99,125	
	ECOLAB INC 2.700% 12/15/2051 DD 12/15/21	99,755	98,723	
	INTERNATIONAL BUSINESS MACHINE 2.850% 05/15/2040 DD 05/07/20	99,365	98,434	
	GILEAD SCIENCES INC 4.500% 02/01/2045 DD 11/17/14	111,210	97,828	
	FOX CORP 5.476% 01/25/2039 DD 01/25/20	76,084	96,948	
	NOVARTIS CAPITAL CORP 2.750% 08/14/2050 DD 02/14/20	92,826	96,331	
	BAT CAPITAL CORP 3.734% 09/25/2040 DD 09/25/20	100,000	96,306	
	NEW YORK LIFE INSURANCE C 144A 4.450% 05/15/2069 DD 04/04/19	74,459	95,820	
	ASTRAZENECA PLC 3.000% 05/28/2051 DD 05/28/21	88,771	94,703	
	MORGAN STANLEY VAR RT 04/22/2042 DD 04/22/21	90,000	94,559	
	LYB INTERNATIONAL FINANCE III 3.375% 10/01/2040 DD 10/08/20	89,793	93,989	
	ESTEE LAUDER COS INC/THE 3.125% 12/01/2049 DD 11/21/19	84,149	93,330	
	BP CAPITAL MARKETS AMERICA INC 3.001% 03/17/2052 DD 09/17/21	95,000	92,742	
	EXXON MOBIL CORP 3.452% 04/15/2051 DD 04/15/20	85,000	92,458	
	GILEAD SCIENCES INC 2.600% 10/01/2040 DD 09/30/20	94,573	91,779	
	LEIDOS INC 2.300% 02/15/2031 DD 02/15/21	94,547	91,464	
	ALTRIA GROUP INC 4.450% 05/06/2050 DD 05/06/20	96,380	91,078	
	JPMORGAN CHASE & CO VAR RT 11/08/2032 DD 11/08/21	90,000	90,731	
	XCEL ENERGY INC 3.500% 12/01/2049 DD 11/07/19	84,722	90,709	
	CIGNA CORP 3.875% 10/15/2047 DD 04/15/20	76,852	89,684	
	MORGAN STANLEY VAR RT 01/25/2052 DD 01/25/21	90,000	88,665	
	ENERGY TRANSFER LP 5.150% 02/01/2043 DD 01/22/13	74,747	88,454	
	VALERO ENERGY CORP 6.625% 06/15/2037 DD 06/08/07	80,252	87,749	
	ENERGY TRANSFER LP 6.125% 12/15/2045 DD 06/23/15	77,651	87,313	

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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	
	RAYTHEON TECHNOLOGIES CORP 2.820% 09/01/2051 DD 08/10/21	89,908	86,913	
	UNITEDHEALTH GROUP INC 3.700% 08/15/2049 DD 07/25/19	77,975	86,619	
	BHP BILLITON FINANCE USA LTD 5.000% 09/30/2043 DD 09/30/13	76,770	86,204	
	GLOBAL PAYMENTS INC 4.150% 08/15/2049 DD 08/14/19	92,519	85,849	
	VIRGINIA ELECTRIC AND POWER CO 2.950% 11/15/2051 DD 11/22/21	84,816	85,653	
	CITIGROUP INC VAR RT 01/24/2039 DD 01/24/18	74,966	85,494	
	NIKE INC 3.875% 11/01/2045 DD 10/29/15	71,492	84,267	
	PARAMOUNT GLOBAL 4.850% 07/01/2042 DD 06/20/12	66,964	82,371	
	CVS HEALTH CORP 4.125% 04/01/2040 DD 03/31/20	68,843	80,573	
	PFIZER INC 2.550% 05/28/2040 DD 05/28/20	83,762	80,057	
	INTEL CORP 3.250% 11/15/2049 DD 11/21/19	74,957	79,454	
	SHELL INTERNATIONAL FINANCE BV 3.750% 09/12/2046 DD 09/12/16	76,605	78,873	
	PFIZER INC 1.700% 05/28/2030 DD 05/28/20	79,751	78,458	
	T-MOBILE USA INC 3.000% 02/15/2041 DD 02/15/21	79,567	78,327	
	HOME DEPOT INC/THE 3.125% 12/15/2049 DD 01/13/20	78,869	78,285	
	EVERGY KANSAS CENTRAL INC 3.250% 09/01/2049 DD 08/19/19	78,281	78,065	
	UNION PACIFIC CORP 3.950% 08/15/2059 DD 08/05/19	64,482	77,198	
	RAYTHEON TECHNOLOGIES CORP 4.625% 11/16/2048 DD 08/16/18	77,079	77,123	
	INTERNATIONAL PAPER CO 7.300% 11/15/2039 DD 12/07/09	68,876	76,717	
	TRANSCANADA PIPELINES LTD 6.100% 06/01/2040 DD 06/01/10	64,604	76,470	
	BANK OF AMERICA CORP VAR RT 04/24/2038 DD 04/24/17	63,212	76,442	
	PFIZER INC 2.700% 05/28/2050 DD 05/28/20	76,014	75,749	
	DEVON ENERGY CORP 5.600% 07/15/2041 DD 07/12/11	60,509	75,446	
	HALLIBURTON CO 4.750% 08/01/2043 DD 08/05/13	60,823	74,894	
	BOEING CO/THE 3.825% 03/01/2059 DD 02/15/19	70,936	74,619	
	HOME DEPOT INC/THE 2.375% 03/15/2051 DD 01/07/21	78,925	73,973	
	NUTRIEN LTD 5.000% 04/01/2049 DD 04/01/19	58,789	73,891	
	ACE CAPITAL TRUST II 9.700% 04/01/2030 DD 03/31/00	76,125	73,452	
	ALTRIA GROUP INC 4.250% 08/09/2042 DD 08/09/12	74,514	73,297	
	PACIFIC GAS AND ELECTRIC CO 4.500% 07/01/2040 DD 07/02/20	79,540	73,077	
	GILEAD SCIENCES INC 2.800% 10/01/2050 DD 09/30/20	74,562	73,037	
	ENERGY TRANSFER LP 5.300% 04/15/2047 DD 01/17/17	62,130	72,062	
	MERCK & CO INC 2.750% 12/10/2051 DD 12/10/21	69,829	69,629	
	COCA-COLA CO/THE 3.000% 03/05/2051 DD 03/05/21	63,961	69,068	
	OTIS WORLDWIDE CORP 3.362% 02/15/2050 DD 08/15/20	65,452	68,755	
	CANADIAN NATIONAL RAILWAY CO 3.650% 02/03/2048 DD 02/06/18	58,266	68,696	
	ALPHABET INC 1.900% 08/15/2040 DD 08/05/20	74,528	68,516	
	TYSON FOODS INC 4.550% 06/02/2047 DD 06/02/17	66,062	68,382	
	MASTERCARD INC 2.950% 03/15/2051 DD 03/04/21	64,384	67,521	
	CHARTER COMMUNICATIONS OPERATI 4.400% 12/01/2061 DD 06/02/21	64,939	67,506	
	BANK OF AMERICA CORP VAR RT 10/22/2030 DD 10/22/19	65,000	67,180	
	CONSOLIDATED EDISON CO OF NEW 4.300% 12/01/2056 DD 11/16/16	58,644	65,613	
	RAYTHEON TECHNOLOGIES CORP 3.030% 03/15/2052 DD 11/16/21	64,976	65,575	
	COMMONWEALTH EDISON CO 4.000% 03/01/2049 DD 02/19/19	54,402	65,494	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/21/2032 DD 10/21/21	65,000	65,484	
	UNION ELECTRIC CO 4.000% 04/01/2048 DD 04/06/18	54,762	65,253	
	LAM RESEARCH CORP 2.875% 06/15/2050 DD 05/05/20	64,829	65,023	
	COMCAST CORP 144A 2.937% 11/01/2056 DD 08/19/21	65,673	64,100	
	HESS CORP 6.000% 01/15/2040 DD 12/14/09	39,987	63,645	
	EQUINOR ASA 3.700% 04/06/2050 DD 04/06/20	57,851	63,191	
	UNITEDHEALTH GROUP INC 3.050% 05/15/2041 DD 05/19/21	59,858	62,977	
	SUNCOR ENERGY INC 6.800% 05/15/2038 DD 05/15/08	60,249	62,853	
	SOUTHWESTERN PUBLIC SERVICE CO 3.150% 05/01/2050 DD 05/18/20	59,722	62,812	
	RAYTHEON TECHNOLOGIES CORP 4.500% 06/01/2042 DD 06/01/12	48,749	62,315	
	TRANE TECHNOLOGIES LUXEMBOURG 4.500% 03/21/2049 DD 03/21/19	56,762	62,072	
	BECTON DICKINSON AND CO 3.794% 05/20/2050 DD 05/20/20	58,203	61,940	
	MIDAMERICAN ENERGY CO 4.250% 07/15/2049 DD 01/09/19	49,859	61,910	
	AMERICAN INTERNATIONAL GROUP I 4.500% 07/16/2044 DD 07/16/14	48,188	61,759	
	BP CAPITAL MARKETS AMERICA INC 2.772% 11/10/2050 DD 08/10/20	62,232	61,192	
	CHUBB INA HOLDINGS INC 2.850% 12/15/2051 DD 11/18/21	59,951	60,431	
	MORGAN STANLEY VAR RT 10/20/2032 DD 10/19/21	60,000	60,013	
	NIKE INC 3.250% 03/27/2040 DD 03/27/20	54,656	59,993	
	ASTRAZENECA PLC 4.375% 08/17/2048 DD 08/17/18	41,207	58,277	
	DEVON ENERGY CORP 4.750% 05/15/2042 DD 05/14/12	56,592	58,045	
	FEDEX CORP 4.750% 11/15/2045 DD 10/23/15	50,299	57,448	

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, 2021

(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	
	JPMORGAN CHASE & CO VAR RT 05/13/2031 DD 05/13/20	55,000	57,004	
	CANADIAN PACIFIC RAILWAY CO 3.000% 12/02/2041 DD 12/02/21	54,713	56,405	
	MASTERCARD INC 3.850% 03/26/2050 DD 03/26/20	44,809	54,282	
	EOG RESOURCES INC 4.950% 04/15/2050 DD 04/14/20	39,765	54,227	
	SOUTHERN CALIFORNIA GAS CO 4.125% 06/01/2048 DD 05/15/18	44,953	53,890	
	PUGET SOUND ENERGY INC 4.300% 05/20/2045 DD 05/26/15	60,439	53,809	
	OVINTIV INC 6.500% 02/01/2038 DD 12/04/07	52,497	53,284	
	GEORGIA POWER CO 4.750% 09/01/2040 DD 08/31/10	45,510	53,215	
	CVS HEALTH CORP 5.050% 03/25/2048 DD 03/09/18	42,427	52,468	
	SOUTHERN CALIFORNIA EDISON CO 5.950% 02/01/2038 DD 01/22/08	51,631	51,814	
	PACIFIC LIFE INSURANCE CO 144A VAR RT 10/24/2067 DD 10/24/17	44,962	51,778	
	HUMANA INC 4.950% 10/01/2044 DD 09/19/14	45,864	51,594	
	NUTRIEN LTD 4.900% 06/01/2043 DD 12/01/17	41,473	51,240	
	NORFOLK SOUTHERN CORP 3.050% 05/15/2050 DD 05/11/20	49,883	51,126	
	NVIDIA CORP 3.500% 04/01/2040 DD 03/31/20	44,910	50,706	
	ABBVIE INC 4.550% 03/15/2035 DD 09/15/20	48,786	50,642	
	ROYALTY PHARMA PLC 3.300% 09/02/2040 DD 03/02/21	48,485	50,533	
	CHARTER COMMUNICATIONS OPERATI 3.900% 06/01/2052 DD 03/04/21	47,789	50,320	
	BAYLOR SCOTT & WHITE HOLDINGS 2.839% 11/15/2050 DD 01/21/21	50,000	50,219	
	MARSH & MCLENNAN COS INC 2.900% 12/15/2051 DD 12/08/21	49,754	50,045	
	GENERAL MOTORS CO 5.200% 04/01/2045 DD 11/12/14	38,768	49,638	
	PFIZER INC 4.000% 03/15/2049 DD 03/11/19	51,042	48,883	
	OGLETHORPE POWER CORP 3.750% 08/01/2050 DD 02/01/21	44,339	48,307	
	ONCOR ELECTRIC DELIVERY C 144A 2.700% 11/15/2051 DD 11/16/21	49,040	48,283	
	COMCAST CORP 3.200% 07/15/2036 DD 07/19/16	38,173	48,090	
	CHARTER COMMUNICATIONS OPERATI 6.484% 10/23/2045 DD 10/23/16	46,345	47,930	
	NORFOLK SOUTHERN CORP 4.150% 02/28/2048 DD 02/28/18	39,816	47,819	
	EASTERN GAS TRANSMISSION 144A 4.600% 12/15/2044 DD 06/15/21	49,534	47,711	
	VODAFONE GROUP PLC 4.375% 02/19/2043 DD 02/19/13	36,140	47,030	
	JPMORGAN CHASE & CO VAR RT 01/23/2049 DD 01/23/18	46,812	46,564	
	INTERNATIONAL FLAVORS & F 144A 3.268% 11/15/2040 DD 09/16/20	44,997	45,819	
	BOEING CO/THE 3.500% 03/01/2039 DD 02/15/19	42,547	45,767	
	INTEL CORP 2.800% 08/12/2041 DD 08/12/21	45,274	45,023	
	BOEING CO/THE 5.875% 02/15/2040 DD 07/28/09	44,298	44,905	
	NIKE INC 3.375% 11/01/2046 DD 10/21/16	33,576	44,676	
	FEDEX CORP 4.550% 04/01/2046 DD 03/24/16	38,371	44,478	
	CONSOLIDATED EDISON CO OF NEW 3.875% 06/15/2047 DD 06/08/17	47,336	43,834	
	INTERCONTINENTAL EXCHANGE INC 2.650% 09/15/2040 DD 08/20/20	44,823	43,705	
	WILLIAMS COS INC/THE 6.300% 04/15/2040 DD 02/09/10	38,741	43,434	
	AMERICAN WATER CAPITAL CORP 3.450% 05/01/2050 DD 04/14/20	41,763	42,708	
	APPLE INC 2.550% 08/20/2060 DD 08/20/20	44,520	42,468	
	RAYTHEON TECHNOLOGIES CORP 4.450% 11/16/2038 DD 08/16/18	34,794	42,283	
	TRANSCANADA PIPELINES LTD 4.875% 05/15/2048 DD 05/07/18	33,644	42,101	
	DEERE & CO 3.750% 04/15/2050 DD 03/30/20	34,999	41,493	
	ABBOTT LABORATORIES 4.900% 11/30/2046 DD 11/22/16	45,464	41,149	
	GOLDMAN SACHS GROUP INC/THE 2.600% 02/07/2030 DD 02/07/20	39,986	40,710	
	EXXON MOBIL CORP 3.095% 08/16/2049 DD 08/16/19	37,738	40,694	
	RAYTHEON TECHNOLOGIES CORP 4.050% 05/04/2047 DD 05/04/17	31,698	40,637	
	BALTIMORE GAS AND ELECTRIC CO 2.900% 06/15/2050 DD 06/05/20	39,611	39,900	
	CANADIAN NATURAL RESOURCES LTD 6.250% 03/15/2038 DD 03/19/07	35,400	39,558	
	AT&T INC 3.550% 09/15/2055 DD 03/15/21	33,361	38,290	
	BURLINGTON NORTHERN SANTA FE L 4.550% 09/01/2044 DD 08/18/14	34,987	37,951	
	SHELL INTERNATIONAL FINANCE BV 3.250% 04/06/2050 DD 04/06/20	35,492	37,380	
	MCDONALD'S CORP 4.200% 04/01/2050 DD 03/27/20	31,113	36,440	
	ONEOK INC 7.150% 01/15/2051 DD 05/07/20	26,532	36,138	
	EVERGY METRO INC 4.200% 03/15/2048 DD 03/01/18	29,349	35,856	
	PECO ENERGY CO 3.000% 09/15/2049 DD 09/10/19	34,712	35,467	
	NEW YORK LIFE INSURANCE C 144A 3.750% 05/15/2050 DD 04/14/20	29,817	34,268	
	GEORGIA POWER CO 5.650% 03/01/2037 DD 03/13/07	26,392	31,282	
	CANADIAN PACIFIC RAILWAY CO 3.100% 12/02/2051 DD 12/02/21	29,785	30,720	
	WILLIAMS COS INC/THE 3.500% 10/15/2051 DD 10/08/21	29,950	30,421	
	NORTHERN STATES POWER CO/MN 2.900% 03/01/2050 DD 09/10/19	29,421	30,405	
	CONSOLIDATED EDISON CO OF NEW 3.200% 12/01/2051 DD 12/02/21	30,000	30,100	
	COMMONWEALTH EDISON CO 3.700% 03/01/2045 DD 03/02/15	27,163	27,973	
	QUALCOMM INC 4.800% 05/20/2045 DD 05/20/15	26,753	27,909	

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, 2021

(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	
	SEMPRA ENERGY 4.000% 02/01/2048 DD 01/12/18	26,568	27,905	
	MARATHON PETROLEUM CORP 6.500% 03/01/2041 DD 09/01/11	18,953	26,185	
	BERKSHIRE HATHAWAY ENERGY CO 5.150% 11/15/2043 DD 11/08/13	23,823	25,843	
	CANADIAN NATURAL RESOURCES LTD 6.450% 06/30/2033 DD 09/16/02	24,038	25,744	
	UNITEDHEALTH GROUP INC 2.750% 05/15/2040 DD 05/18/20	24,271	25,452	
	ORACLE CORP 3.850% 04/01/2060 DD 04/01/20	24,904	24,787	
	NORFOLK SOUTHERN CORP 3.942% 11/01/2047 DD 05/01/18	21,095	24,387	
	WALT DISNEY CO/THE 6.400% 12/15/2035 DD 06/15/19	22,938	24,370	
	JOHNSON & JOHNSON 2.100% 09/01/2040 DD 08/25/20	24,834	23,719	
	RAYTHEON TECHNOLOGIES CORP 4.150% 05/15/2045 DD 05/04/15	18,524	23,381	
	ENERGY TRANSFER LP 5.300% 04/01/2044 DD 04/03/14	20,338	22,965	
	ENTERPRISE PRODUCTS OPERATING 4.250% 02/15/2048 DD 02/15/18	22,038	22,713	
	SUNCOR ENERGY INC 4.000% 11/15/2047 DD 11/15/17	18,094	22,303	
	EQUINOR ASA 3.250% 11/18/2049 DD 11/18/19	20,943	21,263	
	MIDAMERICAN ENERGY CO 3.150% 04/15/2050 DD 10/15/19	19,894	21,013	
	ORACLE CORP 4.000% 07/15/2046 DD 07/07/16	21,513	20,824	
	NEVADA POWER CO 3.125% 08/01/2050 DD 01/30/20	19,992	20,265	
	PACIFICORP 2.900% 06/15/2052 DD 07/09/21	19,847	19,707	
	HESS CORP 5.800% 04/01/2047 DD 09/28/16	19,259	19,220	
	ENTERPRISE PRODUCTS OPERATING 4.950% 10/15/2054 DD 10/14/14	18,164	18,992	
	SOUTHERN CALIFORNIA EDISON CO 5.625% 02/01/2036 DD 01/31/06	18,499	18,891	
	BRISTOL-MYERS SQUIBB CO 4.350% 11/15/2047 DD 05/15/20	20,089	18,538	
	BROADCOM INC 4.150% 11/15/2030 DD 05/08/20	16,379	16,652	
	BOEING CO/THE 3.900% 05/01/2049 DD 05/02/19	16,065	15,728	
	SOUTHERN CALIFORNIA EDISON CO 3.900% 03/15/2043 DD 03/07/13	11,794	12,819	
	AMERICAN WATER CAPITAL CORP 4.150% 06/01/2049 DD 05/13/19	11,901	11,844	
	TRANSCONTINENTAL GAS PIPE LINE 4.450% 08/01/2042 DD 07/13/12	10,415	11,726	
	LOWE'S COS INC 4.250% 09/15/2044 DD 09/10/14	11,549	11,349	
	COMMONSPIRIT HEALTH 3.910% 10/01/2050 DD 10/28/20	11,177	11,165	
	EVERSOURCE ENERGY 3.450% 01/15/2050 DD 01/10/20	10,676	10,561	
	AMERICAN INTERNATIONAL GROUP I 4.800% 07/10/2045 DD 07/10/15	6,370	6,426	
	BRISTOL-MYERS SQUIBB CO 4.550% 02/20/2048 DD 02/20/20	6,814	6,407	
	MPLX LP 5.500% 02/15/2049 DD 11/15/18	5,259	6,405	
	AMERICAN INTERNATIONAL GROUP I 4.750% 04/01/2048 DD 03/26/18	6,423	6,389	
	VOYA FINANCIAL INC 4.800% 06/15/2046 DD 06/13/16	5,863	6,211	
	JOHNSON CONTROLS INTERNATIONAL 4.500% 02/15/2047 DD 02/07/17	5,986	6,078	
	ALABAMA POWER CO 4.300% 07/15/2048 DD 06/28/18	4,962	6,066	
	AETNA INC 3.875% 08/15/2047 DD 08/10/17	4,431	5,580	
	HALLIBURTON CO 4.500% 11/15/2041 DD 11/14/11	4,289	5,550	
	COMMONWEALTH EDISON CO 4.350% 11/15/2045 DD 11/19/15	4,370	4,862	
	AMAZON.COM INC 2.500% 06/03/2050 DD 06/03/20	4,949	4,780	
Corporate Obligations Total		75,111,855	82,360,935	
U.S. Government Obligations				
	U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	22,083,618	26,487,667	
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	4,970,245	6,865,238	
	U S TREASURY NOTE 0.625% 05/15/2030 DD 05/15/20	5,602,550	5,275,183	
	U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	4,996,351	4,803,372	
	U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	3,696,097	4,247,125	
	U S TREASURY BD PRIN STRIP 0.000% 02/15/2040 DD 02/16/10	2,606,648	3,473,156	
	U S TREASURY BOND 2.375% 05/15/2051 DD 05/15/21	3,235,021	3,317,046	
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,702,074	3,136,555	
	U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	1,965,481	2,395,605	
	U S TREASURY NOTE 1.625% 05/15/2031 DD 05/15/21	2,047,341	2,041,693	
	U S TREASURY BOND 1.625% 11/15/2050 DD 11/15/20	1,565,246	1,656,826	
	U S TREASURY BOND 1.875% 02/15/2051 DD 02/15/21	1,496,954	1,600,195	
	U S TREASURY BOND 3.000% 08/15/2048 DD 08/15/18	1,493,608	1,597,076	
	U S TREASURY BOND 3.000% 02/15/2049 DD 02/15/19	984,029	1,006,044	
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	790,484	848,477	
	US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	510,778	564,993	
	U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	308,978	327,002	
	U S TREASURY BOND 1.875% 11/15/2051 DD 11/15/21	209,319	209,311	
	US TREAS-CPI INFLAT 0.250% 02/15/2050 DD 02/15/20	105,069	110,702	
	US TREAS-CPI INFLAT 0.125% 02/15/2051 DD 02/15/21	96,248	100,694	
U.S. Government Obligations Total		61,466,139	70,063,960	
Total 401(h) Investments		300,726,436	432,234,726	
Total Investments		\$ 4,950,095,446	\$ 5,818,217,554	

* Party-in-interest

Note: The information in this schedule has been certified as complete and accurate by Bank of New York Mellon/BNY Mellon, N.A., excluding information related to the partnership/joint venture interests.

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, 2021

(a)	(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 PROP VAR RT 12/31/2049 DD 07/24/08	1008	\$ -	\$2,465,714,305	\$ -	\$ -	\$2,465,714,305	\$2,465,714,305	\$ -
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	1337	2,434,237,883	-	-	-	-	2,434,237,883	-

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

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

Year ended December 31, 2021

(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
	BANK OF AMERICA CORP VAR RT 07/22/2027 DD 04/22/21	\$ (16,095,545)	\$ 16,133,091
	WELLS FARGO & CO VAR RT 04/30/2026 DD 04/30/20	(11,567,604)	11,584,640
	US ULTRA BOND (CBT) EXP SEP 21	-	7,757,113
	APPLE INC 1.400% 08/05/2028 DD 08/05/21	(7,183,728)	7,156,090
	PERUVIAN GOVERNMENT INTERNATIO 2.783% 01/23/2031 DD 04/23/20	(6,899,079)	6,937,381
	US TREASURY INFLATION INDX BND 0.375% 01/15/2027 DD 01/31/17	(6,751,459)	6,833,220
	US TREAS INFLAT INDEXED NOTES 0.375% 01/15/2027 DD 01/31/17	(6,831,605)	6,808,466
	US TREASURY INFLATION INDX BND 0.375% 01/15/2027 DD 01/15/17	(6,783,721)	6,805,042
	US TREAS-CPI INFLAT FWD 0.375% 01/15/2027 DD 01/15/17	(6,615,596)	6,785,271
	US TREASURY INFLA INDX BND FWD 0.375% 01/15/2027 DD 01/15/17	(6,807,717)	6,768,675
	US TREAS INFLAT INDEXED NOTES 0.375% 01/15/2027 DD 01/31/17	(6,803,611)	6,752,860
	US TREASURY INFLATION INDEX BD 0.375% 01/15/2027 DD 01/15/17	(6,569,411)	6,637,911
	US TREASURY INFLATION BND FWD 0.375% 01/15/2027 DD 01/15/17	(6,636,041)	6,617,155
	BANK OF AMERICA CORP VAR RT 03/11/2027 DD 03/11/21	(6,537,538)	6,573,713
	US TREAS INFLAT INDEXED NOTES 0.375% 01/15/2027 DD 01/31/17	(6,484,600)	6,570,894
	US TREAS INFLAT INDEXED NOTES 0.375% 01/15/2027 DD 01/31/17	(6,558,809)	6,517,484
	US TREAS INFLAT INDEXED NOTES 0.375% 01/15/2027 DD 01/31/17	(6,516,072)	6,485,985
	JPMORGAN CHASE & CO VAR RT 04/22/2027 DD 04/22/21	(6,359,199)	6,370,040
	TORONTO-DOMINION BANK/THE 0.750% 01/06/2026 DD 01/06/21	(5,583,762)	5,563,938
	BNP PARIBAS SA 144A VAR RT 01/13/2027 DD 01/13/21	(5,466,805)	5,419,234
	NEXTERA ENERGY CAPITAL HOLDING 2.750% 05/01/2025 DD 04/06/20	(5,358,632)	5,348,025
	BANK OF AMERICA CORP VAR RT 03/15/2025 DD 03/15/19	(5,307,678)	5,306,273
	CHILE GOVERNMENT INTERNATIONAL 2.550% 07/27/2033 DD 07/27/21	(4,997,733)	4,949,051
	SIEMENS FINANCIERINGSMAAT 144A 1.700% 03/11/2028 DD 03/11/21	(4,933,038)	4,942,084
	GOLDMAN SACHS GROUP INC/THE VAR RT 03/09/2027 DD 03/08/21	(4,794,722)	4,778,755
	MORGAN STANLEY VAR RT 07/20/2027 DD 07/20/21	(4,710,000)	4,725,086
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/21/2027 DD 10/21/21	(4,710,000)	4,687,987
	US TREASURY INFLATION BND FWD 0.875% 02/15/2047 DD 02/15/17	(4,357,608)	4,532,340
	APPLE INC 0.700% 02/08/2026 DD 02/08/21	(4,534,774)	4,531,134
	MORGAN STANLEY VAR RT 05/04/2027 DD 04/22/21	(4,518,615)	4,514,356
	NVIDIA CORP 1.550% 06/15/2028 DD 06/16/21	(4,410,973)	4,391,003
	US TREASURY INFLATION INDEX BD 0.875% 02/15/2047 DD 02/28/17	(4,335,802)	4,360,282
	US TREAS INFLAT INDEXED BONDS 0.875% 02/15/2047 DD 02/28/17	(4,198,850)	4,337,957
	US TREAS INFLAT INDEXED FWD 0.875% 02/15/2047 DD 02/15/17	(4,605,295)	4,226,506
	US TREAS INFLAT INDEXED BONDS 0.875% 02/15/2047 DD 02/28/17	(4,224,189)	4,201,059
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	(4,052,078)	4,185,509
	U S TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	(4,176,452)	4,181,241
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	(4,046,830)	4,169,502
	UNITED STATES TREASURY BOND FW 3.125% 02/15/2043 DD 02/15/13	(4,067,476)	4,099,601
	US TREASURY BOND FWD 0.313% 02/15/2043 DD 02/15/13	(4,172,820)	4,075,589
	UNITED STATES TREASURY BND FWD 3.125% 02/15/2043 DD 02/15/13	(3,957,227)	4,060,648
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	(4,090,614)	4,051,044
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	(4,345,294)	4,038,771
	JPMORGAN CHASE & CO VAR RT 03/13/2026 DD 03/13/20	(4,053,155)	4,010,270
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	(3,870,707)	3,966,736
	UNITED STATES TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	(3,958,730)	3,966,736
	MORGAN STANLEY VAR RT 05/30/2025 DD 06/01/21	(3,915,000)	3,898,674
	AMGEN INC 1.650% 08/15/2028 DD 08/09/21	(3,936,375)	3,897,970
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	(4,029,487)	3,879,227
	PRINCIPAL LIFE GLOBAL FUN 144A 0.875% 01/12/2026 DD 01/12/21	(3,709,654)	3,692,296
	METROPOLITAN LIFE GLOBAL 144A 1.550% 01/07/2031 DD 01/07/21	(3,450,497)	3,454,220
	CITIGROUP INC VAR RT 04/24/2025 DD 04/24/19	(3,394,224)	3,397,843
	SECURITY BENEFIT GLOBAL F 144A 1.250% 05/17/2024 DD 05/18/21	(3,273,756)	3,283,105
	GA GLOBAL FUNDING TRUST 144A 1.625% 01/15/2026 DD 01/15/21	(3,286,405)	3,283,060
	UNITED STATES TREASURY BD FWD 3.625% 08/15/2043 DD 08/15/13	(3,028,830)	3,129,141
	U S TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	(3,121,804)	3,123,956
	US TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	(3,026,497)	3,114,328
	UNITED STATES TREASURY BOND FW 3.625% 08/15/2043 DD 08/15/13	(3,035,519)	3,075,075
	US TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	(3,117,161)	3,042,117
	UNITED STATES TREASURY BND FWD 3.625% 08/15/2043 DD 08/15/13	(2,961,786)	3,035,822
	US TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	(3,067,769)	3,029,897
	US TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	(3,250,255)	3,026,934
	AMAZON.COM INC 1.000% 05/12/2026 DD 05/12/21	(3,006,954)	3,014,514
	UNITED STATES TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	(2,954,466)	2,969,536
	US TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	(2,900,768)	2,961,019
	AMAZON.COM INC 1.650% 05/12/2028 DD 05/12/21	(2,948,260)	2,950,000
	CANADIAN IMPERIAL BANK OF COMM 0.450% 06/22/2023 DD 06/22/21	(2,944,352)	2,945,504

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

Year ended December 31, 2021

(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
JPMORGAN CHASE & CO VAR RT	02/04/2027 DD 02/04/21	\$ (2,958,833)	\$ 2,932,211
JPMORGAN CHASE & CO VAR RT	03/16/2024 DD 03/16/21	(2,910,000)	2,916,277
US TREASURY BOND FWD 3.625%	08/15/2043 DD 08/15/13	(3,019,353)	2,907,694
TORONTO-DOMINION BANK/THE	1.250% 09/10/2026 DD 09/10/21	(2,884,133)	2,869,086
ANALOG DEVICES INC 1.700%	10/01/2028 DD 10/05/21	(2,838,013)	2,861,000
BANK OF NOVA SCOTIA/THE	0.700% 04/15/2024 DD 04/19/21	(2,829,321)	2,842,611
COCA-COLA CO/THE 2.250%	01/05/2032 DD 05/05/21	(2,832,647)	2,821,165
BANK OF AMERICA CORP VAR RT	04/29/2031 DD 04/29/20	(2,862,912)	2,800,015
APPLE INC 1.200%	02/08/2028 DD 02/08/21	(2,838,144)	2,791,733
US LONG BOND FUTURE (CBT) EXP	DEC 21	-	2,724,592
JPMORGAN CHASE & CO VAR RT	09/22/2027 DD 09/22/21	(2,735,000)	2,718,481
LSEGA FINANCING PLC 144A 2.500%	04/06/2031 DD 04/06/21	(2,670,784)	2,682,417
PERUVIAN GOVERNMENT INTERNATIO	3.550% 03/10/2051 DD 03/10/21	(2,564,969)	2,679,337
AT&T INC 144A 2.550%	12/01/2033 DD 12/07/20	(2,686,910)	2,638,030
WESTPAC BANKING CORP 1.150%	06/03/2026 DD 06/03/21	(2,617,983)	2,623,795
TRITON CONTAINER INTERNAT 144A	2.050% 04/15/2026 DD 04/15/21	(2,607,286)	2,620,727
CHARTER COMMUNICATIONS OPERATI	2.250% 01/15/2029 DD 10/12/21	(2,610,685)	2,593,060
BANK OF MONTREAL 1.250%	09/15/2026 DD 09/15/21	(2,595,606)	2,553,379
BANK OF NOVA SCOTIA/THE	1.350% 06/24/2026 DD 06/24/21	(2,513,063)	2,529,921
CITIGROUP INC VAR RT	11/03/2025 DD 11/03/21	(2,520,000)	2,522,960
ASTRAZENECA PLC 0.300%	05/26/2023 DD 05/28/21	(2,507,766)	2,510,000
LUNDIN ENERGY FINANCE BV 144A	2.000% 07/15/2026 DD 06/23/21	(2,500,666)	2,503,501
SIEMENS FINANCIERINGSMAAT 144A	1.200% 03/11/2026 DD 03/11/21	(2,427,521)	2,427,250
MET TOWER GLOBAL FUNDING 144A	0.700% 04/05/2024 DD 04/07/21	(2,413,068)	2,426,884
NATIONAL BANK OF CANADA 0.750%	08/06/2024 DD 08/06/21	(2,413,865)	2,405,596
WELLS FARGO & CO VAR RT	05/19/2025 DD 05/19/21	(2,390,000)	2,395,593
GOLDMAN SACHS GROUP INC/THE VAR	RT 07/21/2032 DD 07/21/21	(2,391,379)	2,383,661
PEPSICO INC 2.750%	10/21/2051 DD 10/21/21	(2,180,776)	2,301,329
TRUIST FINANCIAL CORP VAR RT	06/07/2029 DD 06/07/21	(2,260,000)	2,278,266
CITIGROUP INC VAR RT	06/03/2031 DD 06/03/20	(2,326,773)	2,249,646
CREDIT SUISSE GROUP AG 144A VAR	RT 02/02/2027 DD 02/02/21	(2,234,405)	2,241,208
US TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,152,540)	2,226,232
PANAMA BONOS DEL TESORO 3.362%	06/30/2031	(2,235,000)	2,224,943
U S TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,221,773)	2,224,277
US TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,154,781)	2,222,473
QATAR PETROLEUM 144A 2.250%	07/12/2031 DD 07/12/21	(2,166,720)	2,214,638
PNC FINANCIAL SERVICES GROUP I VAR	RT 04/23/2032 DD 04/23/21	(2,190,000)	2,212,914
ASTRAZENECA FINANCE LLC 1.750%	05/28/2028 DD 05/28/21	(2,191,269)	2,210,528
BANK OF AMERICA CORP VAR RT	06/14/2024 DD 06/14/21	(2,200,000)	2,200,440
UNITED STATES TREASURY BOND FW	2.750% 11/15/2042 DD 11/15/12	(2,161,886)	2,186,680
US TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,220,111)	2,165,926
US TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,182,167)	2,156,902
UNITED STATES TREASURY BND FWD	2.750% 11/15/2042 DD 11/15/12	(2,103,050)	2,156,752
US TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,313,567)	2,149,984
WELLS FARGO & CO VAR RT	10/30/2025 DD 10/31/19	(2,135,529)	2,140,576
SANTOS FINANCE LTD 144A 3.649%	04/29/2031 DD 04/29/21	(2,105,000)	2,138,951
PRUDENTIAL FINANCIAL INC VAR RT	10/01/2050 DD 08/21/20	(2,122,447)	2,133,581
COLBUN SA 144A 3.150%	01/19/2032 DD 10/19/21	(2,136,276)	2,123,950
UNITED STATES TREASURY BOND 2.750%	11/15/2042 DD 11/15/12	(2,099,533)	2,107,725
MONONGAHELA POWER CO 144A 3.550%	05/15/2027 DD 05/16/17	(2,093,264)	2,106,576
US TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,058,443)	2,103,514
ASTRAZENECA PLC 3.375%	11/16/2025 DD 11/16/15	(2,100,525)	2,072,834
US TREASURY BOND FWD 2.750%	11/15/2042 DD 11/15/12	(2,145,352)	2,062,683
GE CAPITAL FUNDING LLC 4.050%	05/15/2027 DD 11/15/20	(2,177,461)	2,057,190
COMMONWEALTH BANK OF AUST 144A	1.125% 06/15/2026 DD 09/15/21	(2,034,737)	2,042,813
VONTIER CORP 144A 1.800%	04/01/2026 DD 03/10/21	(2,037,042)	2,035,093
BANK OF AMERICA CORP VAR RT	12/06/2025 DD 12/06/21	(2,025,000)	2,029,678

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

Year ended December 31, 2021

(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
	LSEGA FINANCING PLC 144A 1.375% 04/06/2026 DD 04/06/21	\$ (1,982,995)	\$ 1,993,436
	CNO GLOBAL FUNDING 144A 1.750% 10/07/2026 DD 10/07/21	(1,969,724)	1,962,514
	PRINCIPAL LIFE GLOBAL FUN 144A 0.750% 04/12/2024 DD 04/12/21	(1,907,288)	1,915,673
	NEW YORK LIFE GLOBAL FUND 144A 1.850% 08/01/2031 DD 08/03/21	(1,914,311)	1,896,617
	ANALOG DEVICES INC 2.100% 10/01/2031 DD 10/05/21	(1,874,218)	1,891,315
	GOLDMAN SACHS GROUP INC/THE VAR RT 09/10/2027 DD 06/10/21	(1,865,000)	1,872,892
	PROTECTIVE LIFE GLOBAL FU 144A 1.618% 04/15/2026 DD 04/12/21	(1,852,310)	1,869,980
	ANZ NEW ZEALAND INT'L LTD 144A 1.250% 06/22/2026 DD 06/22/21	(1,827,164)	1,836,770
	BANK OF IRELAND GROUP PLC 144A VAR RT 09/30/2027 DD 09/30/21	(1,840,000)	1,824,587
	TAMPA ELECTRIC CO 2.400% 03/15/2031 DD 03/18/21	(1,824,034)	1,819,368
	CHEVRON USA INC 5.250% 11/15/2043 DD 11/15/20	(1,983,524)	1,814,171
	CITIGROUP INC VAR RT 01/28/2027 DD 01/28/21	(1,801,801)	1,801,592
	ATLANTIC CITY ELECTRIC CO 2.300% 03/15/2031 DD 03/10/21	(1,789,033)	1,783,039
	AIG GLOBAL FUNDING 144A 0.650% 06/17/2024 DD 06/17/21	(1,783,144)	1,780,514
	SBL HOLDINGS INC 144A 5.000% 02/18/2031 DD 02/16/21	(1,716,973)	1,748,813
	UNION PACIFIC CORP 144A 3.799% 04/06/2071 DD 04/06/21	(1,817,192)	1,730,873
	US LONG BOND FUTURE (CBT) EXP JUN 21	-	1,684,924
	US 10YR NOTE FUTURE (CBT) EXP SEP 21	-	1,645,715
	BAE SYSTEMS FINANCE INC 144A 7.500% 07/01/2027 DD 07/02/97	(1,629,320)	1,622,684
	FORTINET INC 1.000% 03/15/2026 DD 03/05/21	(1,631,193)	1,613,429
	VERIZON COMMUNICATIONS IN 144A 2.355% 03/15/2032 DD 09/20/21	(1,600,398)	1,600,203
	DAIMLER TRUCKS FINANCE NO 144A 2.000% 12/14/2026 DD 12/14/21	(1,583,084)	1,590,079
	CHEVRON USA INC 5.050% 11/15/2044 DD 11/15/20	(1,758,832)	1,568,943
	UTAH ACQUISITION SUB INC 3.950% 06/15/2026 DD 12/15/16	(1,557,834)	1,519,192
	BANK OF AMERICA CORP VAR RT 10/24/2026 DD 10/21/20	(1,535,703)	1,513,820
	GOLDMAN SACHS GROUP INC/THE VAR RT 02/12/2026 DD 02/12/21	(1,480,000)	1,470,794
	PRINCIPAL LIFE GLOBAL FUN 144A 1.250% 08/16/2026 DD 08/16/21	(1,453,459)	1,440,444
	HYUNDAI CAPITAL AMERICA 144A 2.100% 09/15/2028 DD 09/17/21	(1,443,411)	1,434,312
	TOYOTA MOTOR CREDIT CORP 0.400% 04/06/2023 DD 04/09/21	(1,418,850)	1,422,400
	GOLDEN ST TOBACCO SECURITIZATI 3.850% 06/01/2050 DD 12/15/21	(1,390,000)	1,412,588
	PROTECTIVE LIFE GLOBAL FU 144A 0.781% 07/05/2024 DD 07/06/21	(1,400,000)	1,404,284
	HONEYWELL INTERNATIONAL INC 1.100% 03/01/2027 DD 08/16/21	(1,399,692)	1,391,544
	TRITON CONTAINER INTERNAT 144A 3.150% 06/15/2031 DD 06/07/21	(1,378,703)	1,387,562
	NESTLE HOLDINGS INC 144A 1.500% 09/14/2028 DD 09/14/21	(1,341,355)	1,345,269
	TRUIST FINANCIAL CORP VAR RT 03/02/2027 DD 03/02/21	(1,340,000)	1,342,014
	BNP PARIBAS SA 144A VAR RT 04/19/2032 DD 04/19/21	(1,295,000)	1,326,850
	PERUVIAN GOVERNMENT INTERNATIO 3.300% 03/11/2041	(1,264,252)	1,280,870
	ROYAL BANK OF CANADA 1.400% 11/02/2026 DD 10/07/21	(1,278,566)	1,259,712
	BRIGHTHOUSE FINANCIAL GLO 144A 1.000% 04/12/2024 DD 04/12/21	(1,237,954)	1,242,964
	T-MOBILE USA INC 3.750% 04/15/2027 DD 04/15/21	(1,259,791)	1,238,706
	HUMANA INC 1.350% 02/03/2027 DD 08/03/21	(1,218,841)	1,219,242
	PHYSICIANS REALTY LP 2.625% 11/01/2031 DD 10/13/21	(1,187,489)	1,193,737
	CITIGROUP INC VAR RT 11/03/2032 DD 11/03/21	(1,170,000)	1,165,694
	LSEGA FINANCING PLC 144A 0.650% 04/06/2024 DD 04/06/21	(1,143,637)	1,142,699
	NEXTERA ENERGY CAPITAL HOLDING 1.900% 06/15/2028 DD 06/08/21	(1,129,333)	1,134,283
	PNC BANK NA 2.700% 10/22/2029 DD 10/22/19	(1,093,294)	1,102,965
	GLOBAL PAYMENTS INC 1.200% 03/01/2026 DD 02/26/21	(1,113,974)	1,101,375
	PORT OF NEWCASTLE INVESTM 144A 5.900% 11/24/2031 DD 11/24/21	(1,067,002)	1,075,000
	MEXICO GOVERNMENT INTERNATIONA 3.250% 04/16/2030 DD 01/16/20	(1,053,945)	1,074,518
	DTE ENERGY CO 6.375% 04/15/2033 DD 04/01/03	(973,345)	1,058,832
	ENSTAR GROUP LTD 3.100% 09/01/2031 DD 08/24/21	(1,028,239)	1,027,595
	NXP BV / NXP FUNDING LLC 144A 2.700% 05/01/2025 DD 05/01/20	(985,125)	990,090
	WELLS FARGO & CO VAR RT 06/17/2027 DD 06/17/19	(986,361)	989,380
	AMERICO LIFE INC 144A 3.450% 04/15/2031 DD 04/15/21	(957,427)	955,018
	US TREAS INFLAT INDEXED NOTES 0.625% 01/15/2026 DD 01/29/16	(948,031)	948,708
	NORTHERN STATES POWER CO/MN 2.250% 04/01/2031 DD 03/30/21	(946,029)	948,566
	MITSUBISHI UFJ FINANCIAL GROUP VAR RT 10/13/2032 DD 10/13/21	(935,000)	928,165

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EIN: 13-4922641

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Year ended December 31, 2021

(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
T-MOBILE USA INC 144A 3.750% 04/15/2027 DD 04/09/20		\$ (902,057)	\$ 901,856
FLORIDA ST BRD OF ADMIN FIN CO 2.154% 07/01/2030 DD 09/16/20		(893,496)	891,187
US TREAS INFLAT INDEXED NOTES 0.875% 01/15/2029 DD 01/31/19		(889,520)	883,200
INTERNATIONAL FLAVORS & F 144A 3.468% 12/01/2050 DD 09/16/20		(814,927)	859,797
GOLDMAN SACHS GROUP INC/THE VAR RT 10/31/2022 DD 10/31/17		(785,641)	782,254
LSEGA FINANCING PLC 144A 2.000% 04/06/2028 DD 04/06/21		(749,318)	743,063
PHILIPPINE GOVERNMENT INTERNAT 1.950% 01/06/2032 DD 07/06/21		(727,790)	723,772
COLOMBIA GOVERNMENT INTERNATIO 3.250% 04/22/2032 DD 04/22/21		(756,203)	692,325
COLOMBIA GOVERNMENT INTERNATIO 3.875% 02/15/2061 DD 01/22/21		(710,144)	682,400
BROADCOM INC 144A 1.950% 02/15/2028 DD 01/19/21		(628,381)	631,949
ARTHUR J GALLAGHER & CO 2.500% 05/20/2031 DD 05/20/21		(611,224)	623,784
AEROPUERTO INTERNACIONAL 144A 5.125% 08/11/2061 DD 08/11/21		(578,000)	604,052
PERUVIAN GOVERNMENT INTERNATIO 2.780% 12/01/2060		(637,663)	601,457
DEUTSCHE BANK AG/NEW YORK NY VAR RT 05/28/2032 DD 05/28/21		(590,000)	597,281
BANK OF AMERICA CORP VAR RT 04/22/2032 DD 04/22/21		(576,794)	583,121
GLENCORE FUNDING LLC 144A 3.875% 04/27/2051 DD 04/27/21		(534,813)	562,301
TENCENT HOLDINGS LTD 144A 3.840% 04/22/2051 DD 04/22/21		(504,823)	551,284
ATHENE GLOBAL FUNDING 144A 0.950% 01/08/2024 DD 01/08/21		(519,818)	520,213
US TREAS INFLAT INDEXED NOTES 0.625% 01/15/2026 DD 01/15/16		(497,818)	497,552
PANAMA GOVERNMENT INTERNATIONA 3.160% 01/23/2030 DD 07/23/19		(481,740)	493,610
HUNGARY GOVERNMENT INTERN 144A 2.125% 09/22/2031 DD 09/21/21		(473,419)	473,280
TEXAS INSTRUMENTS INC 1.900% 09/15/2031 DD 09/15/21		(473,836)	471,837
US TREAS INFLAT INDEXED NOTES 0.875% 01/15/2029 DD 01/15/19		(468,017)	467,534
BERRY GLOBAL INC 144A 0.950% 02/15/2024 DD 01/15/21		(439,441)	440,532
DIAMONDBACK ENERGY INC 3.125% 03/24/2031 DD 03/24/21		(403,619)	420,682
BROADCOM INC 144A 3.750% 02/15/2051 DD 01/19/21		(413,207)	414,439
CREDIT AGRICOLE SA 144A VAR RT 01/26/2027 DD 01/26/21		(405,000)	406,693
TOMTOM NV		(499,156)	404,783
CHEVRON USA INC 6.000% 03/01/2041 DD 09/01/20		(358,028)	350,224
EXPORT-IMPORT BANK OF KOREA 0.625% 06/29/2024 DD 06/29/21		(304,838)	305,915
INTERTRUST NV		(241,028)	303,727
CONOCOPHILLIPS 144A 3.750% 10/01/2027 DD 10/01/20		(293,108)	296,116
LINEA DIRECTA ASEGURADORA SA C		(289,529)	291,897
CHINA COMMUNICATIONS CONSTRUCT HK/01800		(254,915)	254,884
AMGEN INC 3.000% 01/15/2052 DD 08/09/21		(248,470)	247,485
US TREASURY INFLATION INDEX BD 0.750% 07/15/2028 DD 07/31/18		(241,307)	243,633
US TREASURY INFLATION BND FWD 0.750% 07/15/2028 DD 07/15/18		(243,489)	242,297
US TREAS INFLAT INDEXED NOTES 0.750% 07/15/2028 DD 07/31/18		(238,018)	241,425
US TREAS INFLAT INDEXED FWD 0.750% 07/15/2028 DD 07/15/18		(243,233)	239,825
US TREAS INFLAT INDEXED NOTES 0.750% 07/15/2028 DD 07/31/18		(239,701)	238,134
MEITUAN HK/03690		(201,962)	232,451
US 10YR ULTRA FUTURE (CBT) EXP DEC 21		-	226,089
CHILE GOVERNMENT INTERNATIONAL 3.500% 01/25/2050		(203,155)	219,248
TENCENT HOLDINGS LTD 144A 3.940% 04/22/2061 DD 04/22/21		(199,920)	218,404
ASTRAZENECA FINANCE LLC 2.250% 05/28/2031 DD 05/28/21		(179,775)	182,326
PRIVATE EXPORT FUNDING CO 144A 0.550% 07/30/2024 DD 01/15/21		(179,701)	179,957
TELEVISION BROADCASTS LTD HK/00511		(134,306)	134,248
INDUSTRIVARDEN AB		(125,510)	127,273
US TREASURY INFLATION INDX BND 0.875% 02/15/2047 DD 02/15/17		(116,493)	122,370
US TREASURY INFLA INDX BND FWD 0.875% 02/15/2047 DD 02/15/17		(120,747)	122,304
USTREASURY INFLATION INDX BND 0.875% 02/15/2047 DD 02/28/17		(122,310)	120,777
US TREASURY INFLATION INDX BND 0.875% 02/15/2047 DD 02/15/17		(118,343)	119,384
US TREAS INFLAT INDEXED FWD 0.875% 02/15/2047 DD 02/15/17		(113,618)	118,405
US TREAS INFLAT INDEXED BONDS 0.875% 02/15/2047 DD 02/28/17		(119,327)	116,547
BROGENT TECHNOLOGIES INC		(55,625)	70,376
US TREASURY INFLATION INDX BND 0.500% 01/15/2028 DD 01/31/18		(60,683)	61,592
US TREASURY INFLATION INDX BND 0.500% 01/15/2028 DD 01/15/18		(61,045)	61,291

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

Year ended December 31, 2021

(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 TREASURY INFLATION INDEXED 0.500% 01/15/2028 DD 01/15/18	\$ (61,572)	\$ 61,195
	US TREAS-CPI INFLATION FWD 0.500% 01/15/2028 DD 01/15/18	(59,419)	61,065
	US TREASURY INFLA INDX BND FWD 0.500% 01/15/2028 DD 01/15/18	(61,186)	60,952
	US TREAS INFLAT INDEXED NOTES 0.500% 01/15/2028 DD 01/31/18	(61,273)	60,701
	US 5YR NOTE FUTURE (CBT) EXP DEC 21	-	60,584
	US TREASURY INFLATION INDEX BD 0.500% 01/15/2028 DD 01/31/18	(58,865)	59,441
	US TREASURY INFLATION BND FWD 0.500% 01/15/2028 DD 01/15/18	(59,419)	59,437
	US TREAS INFLAT INDEXED NOTES 0.500% 01/15/2028 DD 01/31/18	(57,963)	58,882
	US TREAS INFLAT INDEXED FWD 0.500% 01/15/2028 DD 01/15/18	(59,094)	58,468
	US TREAS INFLAT INDEXED NOTES 0.500% 01/15/2028 DD 01/15/18	(58,450)	57,980
	US 5YR NOTE FUTURE (CBT) EXP SEP 21	-	46,324
	LX HOLDINGS CORP	(114,156)	43,269
	US 2YR NOTE FUTURE (CBT) EXP JUN 21	-	20,844
	SYSCO CORP 4.450% 03/15/2048 DD 03/19/18	(14,113)	14,289
	FAURECIA SE	(12,256)	12,500
	IFAST CORP LTD	(3,404)	5,974
	THUNGELA RESOURCES LTD	(1,803)	3,312
	US 5YR NOTE FUTURE (CBT) EXP JUN 21	-	(850)
	US 2YR NOTE FUTURE (CBT) EXP SEP 21	-	(2,828)
	US 2YR NOTE FUTURE (CBT) EXP DEC 21	-	(14,508)
	US 10YR ULTRA FUTURE (CBT) EXP JUN 21	-	(520,059)
	US 10YR ULTRA FUTURE (CBT) EXP SEP 21	-	(629,271)
	US 10YR NOTE FUTURE (CBT) EXP DEC 21	-	(737,569)
	US 10YR NOTE FUTURE (CBT) EXP JUN 21	-	(1,181,990)
	US ULTRA BOND (CBT) EXP JUN 21	-	(1,457,672)
	US ULTRA BOND FUTURE (CBT) EXP DEC 21	-	(2,082,676)
	US TREAS INFLAT INDEXED BONDS 1.000% 02/15/2049 DD 02/15/19	3,785,058	(3,768,379)
	US TREAS INFLAT INDEXED BONDS 1.000% 02/15/2049 DD 02/28/19	4,127,985	(3,787,798)
	US TREAS INFLAT INDEXED BONDS 1.000% 02/15/2049 DD 02/28/19	3,765,827	(3,879,133)
	US TREASURY INFLATION INDEX BD 1.000% 02/15/2049 DD 02/28/19	3,876,624	(3,945,068)
	US TREASURY INFLATION BND FWD 1.000% 02/15/2049 DD 02/15/19	3,942,018	(4,077,526)
	US LONG BOND FUTURE (CBT) EXP SEP 21	-	(7,183,569)
	US TREAS INFLAT INDEXED NOTES 0.500% 04/15/2024 DD 04/30/19	10,717,457	(10,756,630)
	US TREAS INFLAT INDEXED NOTES 0.500% 04/15/2024 DD 04/30/19	10,751,962	(10,839,286)
	US TREAS INFLAT INDEXED NOTES 0.500% 04/15/2024 DD 04/30/19	10,834,976	(10,910,750)
	US TREASURY INFLATION BND FWD 0.500% 04/15/2024 DD 04/15/19	10,983,251	(10,980,541)
	US TREASURY INFLATION INDEX BD 0.500% 04/15/2024 DD 04/15/19	10,906,527	(10,988,469)
	US TREAS-CPI INFLAT FWD 0.500% 04/15/2024 DD 04/15/19	10,975,951	(11,111,965)
	US TREAS INFLAT INDEXED NOTES 0.500% 04/15/2024 DD 04/30/19	11,120,150	(11,122,986)
	US TREASURY INFLATION INDX BND 0.500% 04/15/2024 DD 04/15/19	11,107,282	(11,124,537)
	US TREASURY INFLATION INDX BND 0.500% 04/15/2024 DD 04/15/19	11,118,765	(11,227,140)
	US TREASURY INFLA INDX BND FWD 0.500% 04/15/2024 DD 04/15/19	11,269,749	(11,235,388)
	US TREAS INFLAT INDEXED NOTES 0.500% 04/15/2024 DD 04/30/19	11,222,325	(11,272,011)
Total Assets Acquired and Disposed of Within Year		\$ (417,920,642)	\$ 417,258,047

Note: The information in this schedule has been certified as complete and accurate by Bank of New York Mellon/BNY Mellon, N.A., excluding information related to the partnership/joint venture interests.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2021

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	0			362	72,421	4,112	1			0			0		
25 to 29	0			996	77,921	6,532	325	95,243	17,598	2			0		
30 to 34	0			891	83,844	8,106	646	99,252	22,025	261	108,014	41,807	4		
35 to 39	0			689	89,051	9,172	531	101,316	26,429	617	113,852	54,222	225	116,248	71,346
40 to 44	0			440	91,987	10,867	364	101,524	29,638	531	110,667	60,378	424	121,186	87,730
45 to 49	0			326	98,815	13,008	276	102,406	35,512	427	113,361	70,652	397	122,449	102,171
50 to 54	0			254	95,529	14,924	192	115,018	41,406	321	107,934	78,883	282	130,417	123,240
55 to 59	0			181	94,049	15,007	134	101,784	42,603	222	113,270	88,838	208	126,417	134,011
60 to 64	1			90	99,172	18,319	92	100,000	47,133	117	110,279	101,116	126	116,733	135,168
65 to 69	1			11			29	93,179	51,258	32	103,503	100,123	23	116,141	162,420
70 & Over	0			3			8			13			9		

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

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	5														
40 to 44	151	123,375	105,889	5											
45 to 49	318	122,647	128,804	91	132,005	162,130	2								
50 to 54	293	134,685	156,222	317	133,418	198,608	290	131,939	226,342	26	110,963	209,727			
55 to 59	265	116,952	166,381	241	111,807	199,427	613	129,779	253,437	597	121,482	281,000	81	113,713	297,613
60 to 64	156	116,476	178,674	143	119,773	225,790	316	113,483	259,812	533	136,545	332,763	569	116,911	341,211
65 to 69	26	115,803	187,902	30	112,774	247,852	45	113,247	278,815	71	123,185	362,211	174	124,216	410,419
70 & Over	2			3			3			4			24	112,697	405,833

Plan Name: American Electric Power System Retirement Plan
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 Plan Sponsor: American Electric Power Service Corporation
 Valuation Date: January 1, 2021

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

- Applicable month (published) October 2020
- Yield curve basis Segment rates

Funding interest rates:

- | | Reflecting Corridors | Not Reflecting Corridors |
|---------------------------|----------------------|--------------------------|
| ■ First segment rate | 4.75% | 2.11% |
| ■ Second segment rate | 5.36% | 3.30% |
| ■ Third segment rate | 6.11% | 3.86% |
| ■ Effective interest rate | 5.49% | 3.38% |

Annual rates of increase

- Compensation:

	Age	Rate
– Representative rates	< 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 5.10%
- Cash balance crediting rate 4.00%
- Lump sum/annuity conversion rate October 2020 segment rates
- Future Social Security wage bases 3.50%
- Statutory limits on compensation N/A
- Expected rate of return on assets for prior year 4.75%, but not greater than the third segment rate

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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	Separate rates for non-annuitants (based on RP-2014 “Employees” table without collar or amount adjustments, adjusted backward to 2006 with MP-2014, and then projected forward with a static projection as specified in the regulations under §1.430(h)(3)-1 using Scale MP-2019) and annuitants (based on RP-2000 “Healthy Annuitants” table without collar or amount adjustments, adjusted backward to 2006 with MP-2014, and then projected forward with a static projection as specified in the regulations under §1.430(h)(3)-1 using Scale MP-2019). For ASC 960: The Pri-2012 Private Retirement Plans mortality tables with sex-distinct rates for employees, retirees, and contingent survivors, with no collar or amount adjustment, and a fully generational mortality improvement projection using Scale MP-2020 projecting from the base year of 2012.
■ Disabled	Alternative disabled life mortality tables as defined under Revenue Ruling 96-7 For ASC 960: The Pri-2012 Private Retirement Plans disabled mortality tables with separate rates for males and females and a fully generational mortality improvement projection using Scale MP-2020 projecting from the base year of 2012.
■ Lump sum/annuity conversion	Applicable 417(e) IRS Mortality Table

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%

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SCHEDULE SB ATTACHMENTS

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%

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.

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SCHEDULE SB ATTACHMENTS

Spouse age	Wives are assumed to be three years younger than husbands.
Valuation pay	2021 base salary pay (Grandfathered) – not estimated due to freeze of final average pay accruals at December 31, 2010. 2021 expanded pay (Cash Balance) – sum of the following updated one year according to the salary increase assumption: (i) 2021 base salary (ii) a 15% increase for overtime eligible employees and a target bonus percent increase for incentive-eligible employees
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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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

Willis Towers Watson used participant and asset data as of January 1, 2021, supplied by Morneau Shepell, the third-party administrator for AEP. 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. To the extent that data were not provided, estimates were made based on prior year information.

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

Assumptions Rationale - Significant Economic Assumptions for Contributions

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.
Cash balance interest crediting rate	The plan credits interest to cash balance accounts using the 30-year Treasury rate for the September of the preceding year with a minimum rate of 4.00%. The assumption is based on the plan sponsor's long-term expectations of yields on U.S. Treasuries. We believe that the selected assumption does not significantly conflict with what would be reasonable based on market conditions at the measurement date.
Lump sum conversion rate	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.
Rates 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.
■ 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.
■ Increases in statutory limits (CPI)	The assumed CPI is based on a combination of historical average CPI, current conditions and an assumed progression from recently experienced CPI to the long-term expected level. The final assumption represents a composite of current rates and long term expected rates.

Assumptions Rationale - Significant Economic Assumptions for Accounting

Discount rate	As required by U.S. GAAP, the discount rate was chosen by the plan sponsor based on market information on the measurement date.
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.

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SCHEDULE SB ATTACHMENTS

Cash balance interest crediting rate	The plan credits interest to cash balance accounts using the 30-year Treasury rate for the September of the preceding year with a minimum rate of 4.00%. The assumption is based on the plan sponsor's long-term expectations of yields on U.S. Treasuries. 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	The plan uses IRC 417(e)(3) as its basis to convert between lump sums and annuities. Because the 417(e)(3) interest rates are based on corporate bond yields, the assumption is based on the plan sponsor's long-term expectations of yields on high-quality corporate bonds. We believe that the selected assumption does not significantly conflict with what would be reasonable based on market conditions at the measurement date.
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.

Assumptions Rationale - Significant Demographic Assumptions

Mortality	Assumptions used for accounting purposes were selected by the plan sponsor and, as required by U.S. GAAP, represent a best estimate of future experience. Assumptions used for contribution 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.
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.
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.

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Plan Sponsor:	American Electric Power Service Corporation
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SCHEDULE SB ATTACHMENTS

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.

Accounting methods

The methods used for accounting purposes as described in Appendix A, including the method of determining the market-related value of plan assets, are "prescribed methods set by another party", as defined in the actuarial standards of practice (ASOPs). As required by U.S. GAAP, these methods were selected by the plan sponsor.

Changes in Assumptions and Methods

Change in assumptions since prior valuation

The segment interest rates used to calculate the funding target, target normal cost and to convert 417(e) based forms of payments were updated from the segment rates as of October 2019 to the segment rates as of October 2020.

The mortality projection scale used to calculate the funding target and target normal cost was updated from Scale MP-2018 to Scale MP-2019, as required by IRC §430.

Assumed plan-related expenses of \$8,871,403 were added to the target normal cost.

The discount rate decreased from 3.25%.to 2.50%.

The lump sum conversion rate decreased from 3.00% to 2.42% for accounting purposes.

The expected long-term rate of return on plan assets decreased from 5.75% to 4.75%

For accounting purposes, the healthy mortality assumption improvement scale has been updated from a modified version of MP-2019 adjusted to reflect 75% of the long-term improvement rates to MP-2020.

For accounting purposes, the disabled mortality assumption improvement scale has been updated from a modified version of MP-2019 adjusted to reflect 75% of the long-term improvement rates to MP-2020.

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The mortality used to convert to 417(e) based forms of payment was updated to PPA 2021 optional combined mortality with static projection to commencement using MP-2020.

Change in methods since prior valuation None.

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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, 2021

(a)	(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 PROP VAR RT 12/31/2049 DD 07/24/08	1008	\$ -	\$2,465,714,305	\$ -	\$ -	\$2,465,714,305	\$2,465,714,305	\$ -
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	1337	2,434,237,883	-	-	-	-	2,434,237,883	-

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

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 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

► **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 <u>01</u> Day <u>01</u> Year <u>2021</u>			
2 Assets:			
a Market value	2a	5,568,922,523	
b Actuarial value	2b	5,344,895,686	
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.....	14,698	2,242,459,575	2,242,459,575
b For terminated vested participants.....	3,529	256,609,966	256,609,966
c For active participants	16,478	1,597,380,783	1,610,718,212
d Total.....	34,705	4,096,450,324	4,109,787,753
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 5.49%		
6 Target normal cost.....			
a Present value of current plan year accruals.....	6a 90,843,841		
b Expected plan-related expenses	6b 8,871,403		
c Total (line 6a + line 6b)	6c 99,715,244		

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	Joseph A. Perko Signature of actuary	9/29/2022 Date
	Joseph A. Perko Type or print name of actuary	2006491 Most recent enrollment number
	Willis Towers Watson US LLC Firm name	216-937-4204 Telephone number (including area code)
	1001 Lakeside Avenue Suite 1500 Cleveland OH 44114-1172 Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

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

Schedule SB (Form 5500) 2021
v. 201209

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:			
a Segment rates:	1st segment: 4.75 %	2nd segment: 5.36 %	3rd segment: 6.11 %
			☐ 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 Is the plan required to provide a Schedule of Active Participants? 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	99,715,244
b Excess assets, if applicable, but not greater than line 31a		31b	99,715,244
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	0	0	
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	0
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)		36	0
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)		37	0
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)		38a	0
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances		38b	0
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)		39	0
40 Unpaid minimum required contributions for all years		40	0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:	
a Schedule elected	☐ 2 plus 7 years ☐ 15 years
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

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, 2021
Enrolled Actuary	Joseph A. Perko
Enrollment Number	20-06491

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:

he 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.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22 Description of Weighted Average Retirement Age as of January 1, 2021

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, 2021

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

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	First amendment to the Plan, as amended and restated for amendments through December 31, 2019, 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
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2021

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: ■ 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 ■ Credit for early retirement subsidy for monthly payments beginning at age 62 (or current age if older) Plus ■ 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.

Plan Name:	American Electric Power System Retirement Plan
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Valuation Date:	January 1, 2021

SCHEDULE SB ATTACHMENTS

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):

- (1) 1.10% of Final Average Pay x Accredited Service up to 35 years
- (2) 0.50% of Final Average Pay Less Covered Compensation x Accredited Service up to 35 years
- (3) 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

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

	reasonably become qualified by education, training or experience, to perform.
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

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- (2) Annuity equivalent of Cash Balance account or the cash balance account.

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

Surviving spouse benefits

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.

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.

Plan Name:	American Electric Power System Retirement Plan
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Plan Sponsor:	American Electric Power Service Corporation
Valuation Date:	January 1, 2021

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- 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%.

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.

Plan Name: American Electric Power System Retirement Plan
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**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

Willis Towers Watson is not aware of any future plan changes that are required to be reflected.

Changes in Benefits Valued Since Prior Year

We understand that the Plan was amended on December 28, 2020 to exclude the Company Credit prior to employees becoming a participant in the plan, beginning with the employees hired on or after January 1, 2021. This amendment has no impact on the funded status at January 1, 2021.

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2021

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, which was most recently amended and restated for amendments through December 31, 2019.
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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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.

Plan Name:	American Electric Power System Retirement Plan
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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.

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.

Plan Name:	American Electric Power System Retirement Plan
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Plan Sponsor:	American Electric Power Service Corporation
Valuation Date:	January 1, 2021

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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 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

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2021

SCHEDULE SB ATTACHMENTS

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:

- 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

Willis Towers Watson 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, 2021

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, 2021

(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				
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	\$ 105,804,890	\$ 105,804,890	
	U S TREASURY BILL 0.000% 03/10/2022 DD 09/09/21	11,878,153	11,878,153	
	EUR (EURO)	46,953	46,411	
	BRL (BRAZILIAN REAL)	36,573	36,952	
	KRW (SOUTH KOREAN WON)	13,077	12,880	
	MXN (MEXICAN PESO)	11,606	11,867	
	GBP (GREAT BRITISH POUNDS)	10,997	11,023	
	HKD (HONG KONG DOLLARS)	7,201	7,204	
	CAD (CANADIAN DOLLARS)	6,810	6,909	
	TWD (TAIWAN DOLLAR)	6,043	6,052	
	ZAR (SOUTH AFRICAN RAND)	1,381	1,373	
	SGD (SINGAPORE DOLLARS)	1,201	1,213	
	AUD (AUSTRALIAN DOLLARS)	1,004	972	
	PLN (POLISH ZLOTY)	880	870	
	CHF (SWISS FRANC)	713	719	
	SEK (SWEDISH KRONA)	711	711	
	JPY (JAPANESE YEN)	710	705	
	NOK (NORWEGIAN KRONE)	732	694	
	TRY (NEW TURKISH LIRA)	761	482	
	DKK (DANISH KRONE)	233	234	
	CNY (CHINESE YUAN RENMINBI)	-	-	
	THB (THAI BAHT)	(135)	(123)	
Short-Term Investments Total		117,830,494	117,830,191	
State and Local Government Obligations				
	CALIFORNIA ST 7.600% 11/01/2040 DD 12/01/10	3,667,902	3,999,239	
	COLORADO ST BRIDGE ENTERPRISE 0.923% 12/31/2023 DD 09/15/21	3,968,843	3,941,988	
	CALIFORNIA ST 7.350% 11/01/2039 DD 11/10/09	3,493,535	3,898,327	
	NEW YORK CITY NY MUNI WTR FIN 5.440% 06/15/2043 DD 09/23/10	2,870,285	2,938,520	
	GOLDEN ST TOBACCO SECURITIZATI 3.000% 06/01/2046 DD 10/07/21	2,860,000	2,929,670	
	PORT AUTH OF NEW YORK & NEW JE 3.287% 08/01/2069 DD 08/16/19	2,499,426	2,566,932	
	UNIV OF CALIFORNIA CA RGTS MED 6.583% 05/15/2049 DD 12/17/09	2,186,498	2,495,011	
	ILLINOIS ST 5.100% 06/01/2033 DD 06/12/03	2,318,882	2,323,319	
	N TX TOLLWAY AUTH REVENUE 6.718% 01/01/2049 DD 08/12/09	2,054,912	2,299,600	
	LOS ANGELES CA UNIF SCH DIST 5.750% 07/01/2034 DD 10/15/09	1,865,802	1,998,033	
	CALIFORNIA ST 4.600% 04/01/2038 DD 04/25/18	1,957,306	1,962,711	
	BAY AREA CA TOLL AUTH TOLL BRI 7.043% 04/01/2050 DD 07/01/10	1,570,493	1,889,136	
	CHICAGO IL TRANSIT AUTH SALES 6.899% 12/01/2040 DD 08/06/08	1,605,184	1,619,683	
	SALES TAX SECURITIZATION CORP 3.587% 01/01/2043 DD 12/14/17	1,535,134	1,605,208	
	UNIV OF TEXAS TX UNIV REVENUES 2.439% 08/15/2049 DD 05/29/20	1,570,000	1,552,008	
	UNIV OF CALIFORNIA CA REVENUES 4.858% 05/15/2112 DD 03/01/12	1,426,947	1,522,402	
	ALAMEDA CNTY CA JT PWRS AUTH L 7.046% 12/01/2044 DD 11/04/10	1,232,416	1,431,594	
	MUNI ELEC AUTH OF GEORGIA 6.637% 04/01/2057 DD 03/11/10	1,223,858	1,371,727	
	CALIFORNIA ST 7.500% 04/01/2034 DD 04/28/09	1,218,640	1,308,415	
	CALIFORNIA ST 7.550% 04/01/2039 DD 04/28/09	1,024,699	1,134,825	
	PORT AUTH OF NEW YORK & NEW JE 4.926% 10/01/2051 DD 10/06/11	813,919	1,067,259	
	PORT AUTH OF NEW YORK & NEW JE 4.229% 10/15/2057 DD 05/09/17	801,891	996,930	
	NEW YORK CITY NY MUNI WTR FIN 5.882% 06/15/2044 DD 11/18/10	985,654	923,508	
	UNIV OF VIRGINIA VA UNIV REVEN 2.256% 09/01/2050 DD 07/21/20	975,000	922,740	
	NEW YORK ST URBAN DEV CORP REV 5.770% 03/15/2039 DD 12/01/09	845,398	856,289	
	MET TRANSPRTN AUTH NY DEDICATE 7.336% 11/15/2039 DD 04/30/09	797,894	800,565	
	NEW YORK ST DORM AUTH ST PERSO 3.110% 02/15/2039 DD 01/03/20	767,676	796,335	
	CALIFORNIA ST 7.300% 10/01/2039 DD 10/15/09	711,615	721,657	
	PORT AUTH OF NEW YORK & NEW JE 4.458% 10/01/2062 DD 10/10/12	705,289	715,754	
	UNIV OF CALIFORNIA CA REVENUES 5.946% 05/15/2045 DD 09/30/10	515,281	714,484	
	DALLAS TX AREA RAPID TRANSIT S 2.613% 12/01/2048 DD 12/01/21	656,384	647,137	
	NEW YORK ST THRUWAY AUTH 3.500% 01/01/2042 DD 10/30/19	615,411	639,901	
	CHICAGO IL 4.864% 12/01/2022 DD 08/26/10	591,640	584,323	
	UNIV OF MICHIGAN MI 2.437% 04/01/2040 DD 06/16/20	450,000	450,113	
	RUTGERS NJ ST UNIV 3.270% 05/01/2043 DD 10/24/19	410,201	433,079	
	KANSAS ST DEV FIN AUTH REVENUE 4.927% 04/15/2045 DD 08/20/15	379,887	371,047	
	UNIV OF CALIFORNIA CA RGTS MED 6.548% 05/15/2048 DD 11/18/10	337,964	355,900	
	MASSACHUSETTS ST 2.514% 07/01/2041 DD 07/09/20	225,000	221,653	
	BAY AREA CA TOLL AUTH TOLL BRI 3.552% 04/01/2054 DD 09/26/19	180,000	185,440	
State and Local Government Obligations Total		53,916,866	57,192,462	

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, 2021

(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
Common/Collective Trusts				
*	BNYM-M DB SL ACWI FUND		230,192,768	452,739,483
Common/Collective Trusts Total			230,192,768	452,739,483
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity)				
	HCL TECHNOLOGIES		1,676,772	2,598,438
	HINDUSTAN UNILEVER LTD		1,163,852	1,803,583
	TATA CONSULTANCY SERVICES LIMITED		1,129,340	1,750,101
	KOTAK MAHINDRA BANK LTD		748,948	1,160,620
	HOUSING DEVELOPMENT FINANCE CORPORATION LIMITED		728,977	1,129,672
	EICHER MOTORS LTD		697,175	1,080,389
	POWER GRID CORP OF INDIA LTD		607,781	941,858
	VOLTAS LTD		380,720	589,989
	RELIANCE INDUSTRIES LTD		356,771	552,877
Commingled Fund - Vontobel India - CL 1 SC A RED (103-12 Investment Entity) Total			7,490,336	11,607,527
Partnership/Joint Venture Interests				
	BRIGADE CREDIT OFFSHORE FUND II LTD CLASS A RU20		45,618,012	63,021,276
	LAZARD EMERGING MKTS		55,786,998	52,372,179
	LION INDUSTRIAL TRUST PROPERTIES		10,000,000	38,971,543
	PRISA		20,221,680	36,918,080
	IFM GLOBAL INFRA OFFSHORE LP		10,000,000	31,999,851
	JPMCB STRATEGIC PROPERTY FUND		12,525,012	28,705,119
	JAMESTOWN PREMIER PROPERTY FUND LP		3,484,205	25,760,787
	STONE HARBOR-EM MK DBT-MUSDA		19,544,946	23,956,912
	USAA EAGLE REAL ESTATE FEEDER I LP		10,651,719	23,583,625
	STONE HARBOR LEVERAGED LOAN FUND B		15,034,802	20,483,225
	CVC CAPITAL PTNRS VI (C) LP		11,119,614	18,703,691
	PEG POOLED VENT CAP INST INVEST III LLC		17,133,183	16,559,411
	GRIDIRON CAPITAL FUND III LP		293,433	16,451,455
	STONE HARBOR-HI YLD BD-MUSDA		12,412,204	15,177,527
	BROOKFIELD PREMIER RE PTNRS		9,551,407	14,473,534
	TZP CAPITAL PARTNERS II LP		8,575,807	12,954,359
	BROOKFIELD INFRA FUND III LP		10,430,022	12,883,445
	PATRIA - BRAZILIAN PRIVATE EQUITY FUND IV LP		9,123,197	12,619,311
	PATRIA-BRAZILIAN PE FUND V LP		6,176,233	12,098,996
	AMERICAN SECURITIES PARTNERS VI		41,463	12,054,237
	APOLLO INVESTMENT FUND VIII LP		5,811,485	11,453,999
	BASALT INFRA PARTNERS LP		7,296,431	11,073,329
	DREAM INDUSTRIAL FUND		10,000,000	10,745,625
	AXIUM INFRA NA IV LP		11,724,569	10,577,012
	HIGH ROAD CAPITAL PARTNERS FD II - WFC		8,955,292	10,051,545
	H.I.G. CAPITAL PARTNERS V LP		8,236,181	9,834,234
	BLACKSTONE CAPITAL PARTNERS VII LP		5,877,351	9,420,659
	CA STUDENT LIVING INC GRWTH		7,500,000	8,878,373
	BLACKSTONE ENERGY PARTNERS II LP		8,510,243	8,758,747
	KPS SPECIAL SITUATIONS FUND IV LP		8,428,320	8,573,350
	AMERICAN SECURITIES PTNRS VII		6,833,906	8,339,185
	WATERLAND PRIVATE EQUITY FUND V		631,831	8,173,539
	PLATINUM EQUITY CAP PTNRS IV L PV LP		4,806,312	7,456,214
	ASANA PARTNERS FUND I LP		3,434,760	7,197,972
	GLOBAL ENERGY & POWER INFRA II		9,449,573	7,039,021
	ALTERNA CORE CAPITAL ASSETS II LP		8,902,735	6,938,029
	CVC CAPITAL PARTNERS VII LP		4,842,870	6,926,225
	AMERICAN SECURITIES PTNR VIII		4,829,646	5,835,094
	HIG EUROPE CAPITAL PARTNERS II LP		6,779,426	5,834,222
	JADIAN REAL ESTATE FUND I LP		3,140,650	5,767,577
	PROVIDENCE DEBT FUND III LP		6,669,590	5,763,638
	OHA STRATEGIC CREDIT FUND II		4,005,702	5,677,275
	PLATINUM CAP EQ PTNRS V LP		4,790,686	5,663,891
	TPG GROWTH III LP		3,452,305	4,455,778
	UNICO CORE PLUS PARTNERS LP		4,353,022	4,452,473
	RIDGEMONT EQUITY PARTNERS FUND I LP		1,974,288	4,325,539
	PLATINUM EQ CAP PARTNERS III III		1,317,249	4,098,754

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, 2021

(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	
	ALMANAC REALTY SECURITIES VII	4,043,355	4,035,989	
	TPG GROWTH II LP	1,621,247	3,945,185	
	GS PEP 2005-MANAGERS FUND	16,134,815	3,843,482	
	BLACKSTONE ENERGY PARTNERS L.P.	6,671,734	3,841,993	
	HEITMAN ASIA-PACIFIC PRO INVST FEED	3,543,184	3,795,245	
	ICON INFRA PARTNERS FUND V LP	3,739,985	3,729,719	
	ALMANAC REALTY SEC VIII LP	3,443,056	3,574,108	
	MERIDIAN INFRA NORTH AMERICA FD III (DOMESTIC)	2,406,380	3,494,863	
	PEG US POOLED CORP FIN INST INVEST III LLC	10,628,222	3,443,509	
	SIXTH ST OPP PTNS III (A) LP	2,121,556	3,290,014	
	UNICO PARTNERS I LP	321,294	3,053,000	
	ENCAP ENERGY TRANS FD I-C LP	2,926,606	2,990,682	
	BOWMARK CAPITAL PARTNERS V	2,910,138	2,949,530	
	APOLLO INVESTMENT FUND IX LP	2,134,272	2,881,317	
	IRON POINT REAL ESTATE II-TE	2,704,722	2,652,728	
	ASCRIBE OPP FUND III LP	11,309,682	2,611,921	
	BROOKFIELD STRAT RE PTNS B LP	-	2,244,724	
	GREENFIELD ACQUI RTNRS VII LP	753,254	2,188,406	
	WOLFF CREDIT PARTNERS II LP	1,389,530	2,069,763	
	INSIGHT PARTNERS CAYMAN XII LP	1,750,000	1,720,452	
	BLACKSTONE CAP PARTNERS VIII	1,547,754	1,707,322	
	GRIDIRON CAPITAL FUND II LP	7,684,131	1,666,048	
	INSIGHT PARTNERS FUND X FOLLOW-ON FUND L.P.	1,657,020	1,657,020	
	SECONDARY INVESTMENT SPV-3 LP	-	1,525,792	
	ENCAP ENERGY TRAN COINV I-C LP	1,336,694	1,438,661	
	WARBURG PINCUS PRIVATE EQUITY X LP	-	1,245,643	
	FORTRESS JPN OPP FD IV DOL B LP	896,522	1,121,608	
	BUCKINGHAM MULTIFAMILY FUND II	1,119,569	1,119,569	
	CVC CAPITAL PTNS VIII A LP	998,738	1,009,434	
	FSN CAPITAL VI LP	1,303,313	952,013	
	BRAZIL REAL ESTATE OPPORTUNITIES FUND II - BAHIA	4,181,728	854,328	
	APOLLO EUROPEAN PRINCIPAL FUND II	1,137,288	776,062	
	OHA EUROPEAN STRATEGIC CREDIT FUND (OFFSHORE) LP	2,141,421	628,993	
	HVEST PART VI DIRECT FUND	5,557,305	425,630	
	SECONDARY INVESTMENTS SPV-4 LP	81,310	402,513	
	TPG OPPORTUNITIES FUND II	3,662,608	393,152	
	GS PEP 2005 - DIRECT FUND	1,951,181	392,695	
	OAKTREE REAL ESTATE OPP VIII LP	373,548	373,548	
	HIG CAPITAL PARTNERS VI	361,486	322,469	
	WATERLAND PE FUND VI C.V.	4,114,881	320,872	
	EXETER INDUSTRIAL VALUE FUND II LP	559,340	236,363	
	HVEST PART V PARTNERS FUND	12,502,714	64,997	
	HARBOURVEST INTL PVT EQ PARTNERS III PARTNERSHIP	9,723,619	37,358	
	HVEST PART VI PARTNERSHIP FD	4,584,673	37,016	
	ABERDEEN SAFL EUR RE CLUB II OFFSHR FDR LTD	5,061,019	26,063	
	EXETER EUR VAL VENT III FED SCSP	330,352	1	
	JPMCB SPECIAL SITUATION PROPERTY FUND	1,873,498	1	
	GREENFIELD MULTI-STATE PARTNERS LP	494,349	1	
Partnership/Joint Venture Interests Total		606,067,452	774,151,664	
Corporate Stock				
	MICROSOFT CORP	7,653,915	20,480,543	
	AMAZON.COM INC	7,889,896	18,535,596	
	ALPHABET INC	4,751,170	17,131,010	
	MASTERCARD INC	8,241,290	13,182,373	
	VISA INC	5,270,475	12,143,562	
	NESTLE SA	8,362,599	12,033,614	
	NIKE INC	5,016,654	11,689,234	
	UNITEDHEALTH GROUP INC	5,433,157	11,551,731	
	CME GROUP INC	8,045,271	9,868,558	
	ASML HOLDING NV	1,452,775	9,649,217	
	COCA-COLA CO/THE	7,669,570	9,121,478	
	PAYPAL HOLDINGS INC	6,253,737	7,754,975	
	SEA LTD ADR	1,547,199	7,689,808	
	ADYEN NV	1,765,593	7,444,302	

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, 2021

(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
		HEINEKEN NV	6,258,444	7,205,678
		SAMSUNG ELECTRONICS CO LTD	6,313,385	7,085,040
		ATLISSIAN CORP PLC	1,425,704	6,923,464
		EDWARDS LIFESCIENCES CORP	2,670,718	6,712,504
		KEYENCE CORP	3,596,167	6,653,363
		SHOPIFY INC	903,632	6,527,451
		NETFLIX INC	2,727,909	6,257,544
		TAIWAN SEMICONDUCTOR MANUFACTU ADR	3,639,060	6,248,300
		BOSTON SCIENTIFIC CORP	5,287,452	6,174,850
		DEXCOM INC	4,534,346	6,145,930
		LAM RESEARCH CORP	4,122,897	6,026,477
		FLUTTER ENTERTAINMENT PLC	4,817,178	6,005,742
		ENTAIN PLC	2,713,144	5,998,494
		ALIGN TECHNOLOGY INC	2,107,405	5,733,238
		LONDON STOCK EXCHANGE GROUP PL	6,213,982	5,541,882
		SNOWFLAKE INC	3,098,434	5,192,699
		HOYA CORP	3,427,467	5,167,991
		ZALANDO SE	2,818,590	5,078,361
		BOOKING HOLDINGS INC	3,985,486	5,055,178
		META PLATFORMS INC	2,126,008	5,006,570
		RENTOKIL INITIAL PLC	4,413,618	4,958,605
		CIE GENERALE DES ETABLISSEMENT	3,474,635	4,791,269
		BECTON DICKINSON AND CO	4,554,928	4,704,185
		CLOUDFLARE INC	4,347,792	4,703,492
		KEYSIGHT TECHNOLOGIES INC	2,901,329	4,677,658
		ESSILORLUXOTTICA SA	3,165,085	4,642,498
		SERVICENOW INC	3,400,901	4,642,435
		APTIV PLC	2,264,197	4,549,651
		MERCADOLIBRE INC	4,341,889	4,473,991
		VULCAN MATERIALS CO	3,700,978	4,338,630
		ADOBE INC	2,476,344	4,214,957
		ROCHE HOLDING AG	2,578,537	4,191,881
		TENCENT HOLDINGS LTD HK/00700	3,322,562	4,158,267
		UNITED THERAPEUTICS CORP	3,281,257	4,148,736
		JPMORGAN CHASE & CO	2,871,671	4,141,011
		KOBE BUSSAN CO LTD	3,869,770	4,039,192
		HDFC BANK LTD ADR	3,379,679	4,032,648
		CROCS INC	594,432	3,927,379
		TELEPERFORMANCE	1,802,653	3,913,078
		SONY GROUP CORP	2,162,082	3,867,794
		LVMH MOET HENNESSY LOUIS VUITT	2,139,663	3,795,584
		DOORDASH INC	3,827,645	3,793,376
		ALIBABA GROUP HOLDING LTD HK/09988	5,489,898	3,758,886
		ASHTAD GROUP PLC	3,211,969	3,676,713
		ABBOTT LABORATORIES	2,799,550	3,594,500
		PUBLICIS GROUPE SA	2,549,044	3,557,442
		MARUBENI CORP	3,111,613	3,542,580
		FEDEX CORP	2,982,403	3,518,021
		OKTA INC	2,248,166	3,499,742
		POPULAR INC	1,966,119	3,429,682
		ANTHEM INC	1,879,514	3,411,654
		WEBSTER FINANCIAL CORP	2,660,846	3,411,042
		AIR LIQUIDE SA	2,872,003	3,353,554
		SK HYNIX INC	2,212,076	3,352,940
		CVS HEALTH CORP	2,280,405	3,352,700
		MARATHON PETROLEUM CORP	2,958,183	3,270,465
		BLOCK INC	5,123,029	3,259,756
		BERRY GLOBAL GROUP INC	2,220,308	3,238,942
		INTERNATIONAL BANCSHARES CORP	3,119,378	3,213,247
		BELLWAY PLC	2,691,465	3,174,388
		GILEAD SCIENCES INC	3,023,457	3,167,974
		KIA CORP	1,368,770	3,163,603
		ABBVIE INC	2,333,247	3,150,352
		TWILIO INC	3,953,268	3,131,639
		CAPITAL ONE FINANCIAL CORP	1,944,066	3,114,937

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, 2021

(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	
	CHUBB LTD	1,967,216	3,109,391	
	NAVER CORP	3,074,325	3,096,457	
	GENERAL DYNAMICS CORP	2,701,502	3,093,486	
	CINEMARK HOLDINGS INC	2,958,801	3,083,756	
	GLAXOSMITHKLINE PLC	2,817,944	3,040,390	
	TAYLOR WIMPEY PLC	2,790,407	3,007,149	
	METHANEX CORP	3,205,466	3,000,419	
	YARA INTERNATIONAL ASA	2,352,695	2,995,448	
	TYSON FOODS INC	1,999,129	2,992,290	
	INTEL CORP	3,252,425	2,989,987	
	LUNDIN MINING CORP	2,950,682	2,985,549	
	ARROW ELECTRONICS INC	1,206,742	2,967,367	
	LABORATORY CORP OF AMERICA HOL	1,221,123	2,953,574	
	ANTOFAGASTA PLC	1,839,152	2,946,013	
	MAGNA INTL INC	1,945,524	2,945,758	
	NIHON M&A CENTER HOLDINGS INC	1,773,160	2,885,796	
	DAITO TRUST CONSTRUCTION CO LT	2,974,765	2,870,627	
	WAL-MART DE MEXICO SAB DE CV	2,601,413	2,835,311	
	TORONTO DOMINION BANK NEW	2,017,554	2,810,243	
	SKF AB	2,033,914	2,809,774	
	PHILIP MORRIS INTERNATIONAL IN	2,313,766	2,801,550	
	BROTHER INDUSTRIES LTD	2,952,909	2,736,030	
	CP ALL PCL	2,442,760	2,716,596	
	INGREDION INC	2,262,808	2,696,256	
	SPAREBANK 1 SR-BANK ASA	1,758,966	2,693,772	
	SYNOPSYS INC	1,111,240	2,691,156	
	INCHCAPE PLC	1,793,475	2,686,196	
	LINDE PLC	1,389,152	2,654,610	
	MONDI PLC	2,165,745	2,642,182	
	BASF SE	2,732,473	2,638,261	
	NEXT PLC	1,795,706	2,634,181	
	ALLISON TRANSMISSION HOLDINGS	2,582,138	2,609,930	
	BAIDU INC ADR	2,692,493	2,577,340	
	NEXTERA ENERGY INC	1,331,271	2,573,375	
	COCA-COLA EUROPACIFIC PARTNERS	1,693,286	2,561,594	
	BANCOLOMBIA SA	3,076,638	2,560,653	
	HANNOVER RUECK SE	1,926,660	2,541,409	
	SHERWIN-WILLIAMS CO/THE	1,034,324	2,516,183	
	RELX PLC	2,442,664	2,491,413	
	VINCI SA	2,253,302	2,447,128	
	MUENCHENER RUECKVERSICHERUNGS-	1,889,842	2,433,617	
	BUNZL PLC	1,257,677	2,424,541	
	OTIS WORLDWIDE CORP	1,777,718	2,410,881	
	AVNET INC	2,240,691	2,410,347	
	HONDA MOTOR CO LTD	2,565,469	2,401,007	
	CARTER'S INC	2,553,634	2,394,055	
	WILLIAMS COS INC/THE	1,798,423	2,382,660	
	TECHTRONIC INDUSTRIES CO LTD HK/00669	2,485,168	2,368,998	
	HEIDELBERGCEMENT AG	1,500,904	2,362,246	
	SVENSKA HANDELSBANKEN AB	2,369,585	2,359,909	
	HYUNDAI MOBIS CO LTD	2,043,275	2,359,063	
	DNB BANK ASA	2,198,981	2,329,679	
	SUMITOMO MITSUI TRUST HOLDINGS	2,472,505	2,312,708	
	FRESENIUS SE & CO KGAA	2,353,281	2,293,314	
	AMCOR PLC	1,689,532	2,292,709	
	M&T BANK CORP	1,595,211	2,288,342	
	LG UPLUS CORP	2,389,290	2,269,813	
	IRHYTHM TECHNOLOGIES INC	3,771,009	2,263,296	
	WARNER BROS DISCOVERY INC	2,736,997	2,262,520	
	NOVARTIS AG	2,020,493	2,246,941	
	JAZZ PHARMACEUTICALS PLC	3,081,660	2,242,240	
	SOLVAY SA	2,204,084	2,192,874	
	LG ELECTRONICS INC	2,656,933	2,182,461	
	DEUTSCHE TELEKOM AG	1,871,008	2,174,241	
	CATCHER TECHNOLOGY CO LTD	2,613,203	2,143,836	

American Electric Power System Retirement Plan

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

EIN: 13-4922641

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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	
	UNITED OVERSEAS BANK LTD	1,972,655	2,132,206	
	CONSTELLATION SOFTWARE INC	1,880,978	2,095,831	
	SCIENCE APPLICATIONS INTERNATI	1,956,868	2,081,391	
	ANDRITZ AG	1,915,576	2,078,902	
	BERKSHIRE HATHAWAY INC	1,472,350	2,047,552	
	KDDI CORP	1,871,766	2,034,922	
	WEICHAI POWER CO LTD HK/02338	2,262,895	2,004,315	
	BABCOCK INTERNATIONAL GROUP PL	3,382,122	1,994,103	
	ASAHI GROUP HOLDINGS LTD	2,079,015	1,923,173	
	IPSOS	1,200,932	1,907,575	
	INTUITIVE SURGICAL INC	729,573	1,883,810	
	JOHNSON & JOHNSON	1,406,778	1,872,361	
	GREENCORE GROUP PLC	1,289,631	1,791,629	
	NINTENDO CO LTD	1,098,478	1,577,051	
	BANK OF AMERICA CORP	1,040,966	1,563,156	
	LOOMIS AB	1,986,021	1,561,731	
	CREDICORP LTD	1,480,826	1,530,270	
	DAICEL CORP	1,784,210	1,513,300	
	NOKIA OYJ	1,152,640	1,503,780	
	SOMERO ENTERPRISES INC	905,970	1,493,986	
	DEUTSCHE BOERSE AG	1,244,744	1,479,610	
	SHINHAN FINANCIAL GROUP CO LTD	1,679,322	1,437,360	
	ENDESA SA	1,452,902	1,398,134	
	STATE STREET CORP	957,943	1,311,951	
	DEVON ENERGY CORP	630,954	1,281,282	
	FLATEXDEGIRO AG	1,150,413	1,258,773	
	WELLS FARGO & CO	1,043,094	1,248,823	
	CHINA MOBILE LTD HK/00941	1,603,662	1,218,578	
	BAIDU INC HK/09888	1,376,933	1,180,719	
	ENERPLUS CORP	517,866	1,145,129	
	DIME COMMUNITY BANCSHARES INC	982,692	1,125,261	
	SPAREBANKEN VEST	625,215	1,117,548	
	CITIGROUP INC	1,114,132	1,067,031	
	CEMEX SAB DE CV ADR	736,248	1,061,382	
	MCKESSON CORP	559,266	1,036,040	
	AMDOCS LTD	843,595	1,021,641	
	SUMITOMO MITSUI FINANCIAL GROU	1,103,148	1,017,294	
	BNP PARIBAS SA	791,098	997,362	
	DR HORTON INC	337,746	954,035	
	CITIZENS FINANCIAL GROUP INC	702,000	953,458	
	PREMIER FINANCIAL CORP	942,336	921,118	
	CIE FINANCIERE RICHEMONT SA	310,162	890,404	
	BRISTOL-MYERS SQUIBB CO	825,119	877,950	
	SUBARU CORP	1,177,084	873,495	
	AP MOLLER - MAERSK A/S	301,675	872,499	
	PRADA SPA HK/01913	515,827	857,983	
	ANGLO AMERICAN PLC	432,454	824,684	
	PFIZER INC	474,336	813,059	
	SOCIETE GENERALE SA	614,045	808,029	
	PROSUS NV	759,662	799,724	
	ING GROEP NV	653,000	798,919	
	PPC LTD	398,932	795,772	
	GENERAL ELECTRIC CO	734,708	795,437	
	SIEMENS AG	482,627	792,437	
	JOHNSON CONTROLS INTERNATIONAL	343,439	787,894	
	WALT DISNEY CO/THE	561,550	770,888	
	YAGEO CORP	549,201	770,195	
	CAPRI HOLDINGS LTD	357,338	770,092	
	KT&G CORP	828,315	766,441	
	BAKER HUGHES CO	752,436	766,167	
	BROOKLINE BANCORP INC	827,086	764,395	
	BANCO SANTANDER SA	829,524	760,237	
	OWENS CORNING	518,900	755,494	
	INTESA SANPAOLO SPA	700,628	754,544	
	ANIMA HOLDING SPA	662,443	754,523	

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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	
	VERIZON COMMUNICATIONS INC	764,326	751,913	
	BANK OF IRELAND GROUP PLC	537,679	748,280	
	MOSAIC CO/THE	417,213	746,274	
	BB SEGURIDADE PARTICIPACOES SA	900,407	743,591	
	DAI-ICHI LIFE HOLDINGS INC	650,851	743,158	
	NOV INC	1,139,014	739,803	
	RIO TINTO LTD	647,409	738,185	
	CINEWORLD GROUP PLC	3,055,464	734,096	
	HARLEY-DAVIDSON INC	615,039	719,841	
	NETAPP INC	323,811	719,730	
	CAMBRIDGE BANCORP	576,626	711,284	
	ENI SPA	524,731	710,435	
	EBAY INC	363,635	706,895	
	LLOYDS BANKING GROUP PLC	780,134	701,404	
	INDRA SISTEMAS SA	606,453	696,955	
	JAPAN TOBACCO INC	841,356	695,812	
	CHEMRING GROUP PLC	483,570	694,649	
	ORACLE CORP	431,445	691,575	
	CHINA EVERBRIGHT ENVIRONMENT G HK/00257	630,368	685,354	
	SPIRIT AEROSYSTEMS HOLDINGS IN	580,608	682,589	
	DEUTSCHE LUFTHANSA AG	767,196	679,865	
	EQUITY COMMONWEALTH	737,585	678,606	
	UBS GROUP AG	519,287	676,767	
	AFFILIATED MANAGERS GROUP INC	349,455	675,314	
	TREASURY WINE ESTATES LTD	588,105	671,583	
	MAKEMYTRIP LTD	575,059	670,582	
	BRIDGESTONE CORP	592,959	670,439	
	MARRIOTT INTERNATIONAL INC/MD	498,419	667,570	
	ALLFUNDS GROUP PLC	517,163	665,717	
	VISTRY GROUP PLC	437,658	663,037	
	GENERAL MOTORS CO	338,744	662,929	
	WHITBREAD PLC	677,304	658,829	
	VIATRIS INC	740,331	658,316	
	CRITEO SA	333,757	656,126	
	NATWEST GROUP PLC	596,157	655,789	
	TENARIS SA	630,726	655,585	
	RAIFFEISEN BANK INTERNATIONAL	569,955	653,922	
	ZIONS BANCORP NA	487,889	650,422	
	CEGEDIM SA	858,329	645,447	
	JD.COM INC HK/09618	445,930	641,113	
	BAYER AG	849,517	635,127	
	CHARLES SCHWAB CORP/THE	272,760	630,498	
	INTERNATIONAL BUSINESS MACHINE	599,224	626,464	
	KENDRION NV	528,551	625,669	
	ARTISAN PARTNERS ASSET MANAGEM	320,016	620,511	
	EUROBANK ERGASIAS SERVICES AND	429,594	619,565	
	TREMOR INTERNATIONAL LTD	4,660,691	618,316	
	TOTALENERGIES SE	526,168	616,753	
	SWIRE PACIFIC LTD HK/00087	723,589	615,064	
	SAMSONITE INTERNATIONAL SA HK/01910	387,380	614,264	
	HUNTINGTON BANCSHARES INC/OH	583,983	613,870	
	MEDIOBANCA BANCA DI CREDITO FI	486,101	611,047	
	STMICROELECTRONICS NV	243,499	606,788	
	BORGWARNER INC	464,555	601,594	
	TOWER BERSAMA INFRASTRUCTURE T	197,284	600,410	
	VEOLIA ENVIRONNEMENT SA	369,528	600,258	
	TRIP.COM GROUP LTD ADR	684,014	599,497	
	OMNICOM GROUP INC	530,593	594,806	
	DIGITAL VALUE SPA	85,138	594,014	
	FNAC DARTY SA	419,049	593,013	
	VAN LANSCHOT KEMPEN NV	554,971	582,503	
	FINECOBANK BANCA FINECO SPA	375,343	580,537	
	NASPERS LTD	777,503	576,800	
	STARBUCKS CORP	371,351	574,791	
	FLSMIDTH & CO A/S	583,686	573,822	

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

EIN: 13-4922641

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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
		APPLIED MATERIALS INC	145,214	569,486
		CIMB GROUP HOLDINGS BHD	516,549	564,662
		DROPBOX INC	597,926	560,739
		BFF BANK SPA	414,003	559,458
		WIIT SPA	90,469	559,189
		UNILEVER PLC	561,689	558,446
		AUMANN AG	634,452	558,321
		GRUPO DE INVERSIONES SURAMERIC	596,077	558,250
		DUNI AB	562,277	557,834
		AMERICAN EXPRESS CO	341,330	557,712
		CHINA MERCHANTS BANK CO LTD HK/03968	297,092	554,373
		HEIJMANS NV	392,391	552,502
		RWS HOLDINGS PLC	511,362	550,281
		SBI HOLDINGS INC/JAPAN	477,352	549,112
		RESIDEO TECHNOLOGIES INC	162,649	548,504
		BANK OF KYOTO LTD/THE	518,335	548,020
		SNAM SPA	389,140	543,385
		PARKER-HANNIFIN CORP	218,113	542,713
		COATS GROUP PLC	530,810	539,378
		DUFREY AG	534,423	533,981
		PRUDENTIAL PLC	496,133	532,961
		KNIGHT-SWIFT TRANSPORTATION HO	340,135	531,823
		LAS VEGAS SANDS CORP	753,689	527,336
		TOYOTA INDUSTRIES CORP	353,219	521,928
		GAN LTD	978,463	520,154
		EXOR NV	363,339	518,916
		KRAFT HEINZ CO/THE	461,534	517,068
		TITAN CEMENT INTERNATIONAL SA	653,003	515,289
		AIRBUS SE	322,313	510,464
		GRUPPO MUTUIONLINE SPA	166,983	506,147
		NOMURA HOLDINGS INC	519,721	505,512
		SOUTHWEST AIRLINES CO	353,216	503,970
		TINEXTA SPA	126,819	502,607
		MEDIASET ESPANA COMUNICACION S	637,338	501,999
		SONAE SGPS SA	436,531	497,826
		GRESHAM HOUSE PLC	298,215	497,671
		APPLUS SERVICES SA	637,649	494,872
		TRIP.COM GROUP LTD HK/09961	623,169	494,504
		RAYTHEON TECHNOLOGIES CORP	417,658	492,866
		NIKON CORP	435,556	489,733
		UBER TECHNOLOGIES INC	378,093	487,017
		MS&AD INSURANCE GROUP HOLDINGS	483,696	486,945
		TKH GROUP NV	386,684	484,278
		THYSSENKRUPP AG	463,034	479,204
		CK HUTCHISON HOLDINGS LTD HK/00001	588,819	476,464
		EURAZEO SE	373,616	475,986
		RESTAURANT GROUP PLC/THE	574,692	474,551
		FRAPORT AG FRANKFURT AIRPORT S	441,643	471,029
		CHINA LESSO GROUP HOLDINGS LTD HK/02128	404,737	469,962
		INFINEON TECHNOLOGIES AG	212,952	469,502
		CECONOMY AG	319,286	465,431
		WESTROCK CO	374,429	464,982
		DENA CO LTD	535,390	464,762
		HAITONG SECURITIES CO LTD HK/06837	522,651	464,377
		Z HOLDINGS CORP	258,346	461,335
		GALP ENERGIA SGPS SA	588,004	457,318
		WESTERN UNION CO/THE	581,998	454,206
		VALUE PARTNERS GROUP LTD HK/00806	612,080	453,315
		SIEMENS ENERGY AG	522,814	451,717
		SPOTIFY TECHNOLOGY SA	345,215	450,040
		SMITH & NEPHEW PLC	506,905	449,033
		SWATCH GROUP AG/THE	358,604	448,899
		GENOMMA LAB INTERNACIONAL SAB	359,002	447,955
		GENTING BHD	569,335	447,461
		MEGA MANUNGAL PROPERTY TBK PT	278,443	446,275

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
		CORP AMERICA AIRPORTS SA	554,909	446,073
		VALEO	362,745	439,648
		MFE-MEDIAFOREUROPE NV	592,253	439,174
		TOYO TANSO CO LTD	367,565	436,948
		FISERV INC	418,829	430,210
		VERALLIA SA	442,192	428,548
		DELTA AIR LINES INC	439,236	427,535
		ABB LTD	235,266	425,779
		PING AN INSURANCE GROUP CO OF HK/02318	531,087	422,765
		HUNTING PLC	380,952	420,402
		VIENNA INSURANCE GROUP AG WIEN	388,575	416,901
		AMADEUS IT GROUP SA	296,672	416,363
		TIM SA/BRAZIL	409,564	413,472
		CORP FINANCIERA ALBA SA	366,151	413,182
		CAIRN HOMES PLC	466,376	411,903
		JAPAN PETROLEUM EXPLORATION CO	400,674	411,301
		VICAT SA	507,831	410,948
		ATOS SE	481,997	409,892
		TELEVISION FRANCAISE 1	362,292	409,841
		AMERICANAS SA	794,619	409,775
		SHANGRI-LA ASIA LTD HK/00069	614,867	409,188
		WING TAI HOLDINGS LTD	459,561	408,149
		STANDARD CHARTERED PLC	514,708	407,996
		TELEFONICA BRASIL SA	399,095	407,841
		BOEING CO/THE	384,002	407,472
		PROSIEBENSAT.1 MEDIA SE	399,097	406,908
		MULTICHOICE GROUP	372,139	405,161
		NS SOLUTIONS CORP	368,995	404,202
		3M CO	370,654	403,575
		RAKUTEN GROUP INC	328,042	402,956
		BANGKOK BANK PCL	595,634	399,483
		AGC INC	270,470	398,562
		TRIPADVISOR INC	360,969	395,434
		MOHAWK INDUSTRIES INC	287,568	389,501
		VITESCO TECHNOLOGIES GROUP AG	413,163	389,381
		SANOFI	367,108	388,931
		SIME DARBY PROPERTY BHD	675,108	388,340
		DIRECT LINE INSURANCE GROUP PL	394,118	386,190
		CAPITA PLC	730,145	382,045
		SUBSEA 7 SA	486,713	381,876
		CANADA GOOSE HOLDINGS INC SUB VTG	316,325	381,787
		SECOM CO LTD	424,866	381,425
		GENTING SINGAPORE LTD	538,700	378,207
		FU SHOU YUAN INTERNATIONAL GRO HK/01448	415,106	373,934
		MATTEL INC	223,239	373,699
		WIRTUALNA POLSKA HOLDING SA	145,701	373,455
		BLUE APRON HOLDINGS INC	641,019	373,394
		STERICYCLE INC	452,564	369,768
		ADECCO GROUP AG	362,234	369,159
		TSUBAKIMOTO CHAIN CO	379,872	365,847
		ACCOR SA	332,919	364,202
		UNIPOL GRUPPO SPA	265,665	364,118
		MODERN TIMES GROUP MTG AB	401,174	363,871
		DOWA HOLDINGS CO LTD	268,121	363,606
		ZYNGA INC	354,338	363,283
		CONTINENTAL AG	439,874	363,184
		SLEEP COUNTRY CDA HOLDINGS INC	296,168	362,480
		NIPPON PARKING DEVELOPMENT CO	440,853	362,044
		SATS LTD	272,700	361,862
		VALID SOLUCOES E SERVICOS DE S	653,980	361,580
		SNAP-ON INC	226,226	361,408
		FANUC CORP	285,493	359,915
		SALVATORE FERRAGAMO SPA	316,357	358,696
		NIPPON INDOSARI CORPINDO TBK P	248,232	358,509
		GAM HOLDING AG	599,091	356,475

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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	
	ELIS SA	324,623	354,247	
	PING IDENTITY HOLDING CORP	389,661	353,816	
	WYNN MACAU LTD HK/01128	677,212	353,221	
	SPROUTS FARMERS MARKET INC	301,298	353,192	
	TOSEI CORP	389,241	352,831	
	MINWISE CO LTD	315,824	352,340	
	KITZ CORP	351,947	351,261	
	JUMBO SA	392,944	349,277	
	HSBC HOLDINGS PLC HK/00005	286,188	348,909	
	SOFTBANK GROUP CORP	464,462	347,780	
	ECKOH PLC	246,105	346,515	
	IJM CORP BHD	421,124	346,510	
	DOUBLEUGAMES CO LTD	331,189	346,304	
	HENKEL AG & CO KGAA	394,403	346,097	
	MAISONS DU MONDE SA	232,270	345,680	
	H&R BLOCK INC	224,327	345,154	
	KYNDRYL HOLDINGS INC	359,355	344,577	
	WILLIS TOWERS WATSON PLC	297,095	341,986	
	SIME DARBY BHD	343,730	339,869	
	SEMEN INDONESIA PERSERO TBK PT	376,166	337,164	
	AENA SME SA	255,572	336,049	
	SHOP APOTHEKE EUROPE NV	182,371	332,162	
	POSTE ITALIANE SPA	276,929	325,471	
	IMAX CORP	307,257	321,834	
	CHOW SANG SANG HOLDINGS INTERN HK/00116	273,053	320,394	
	MANCHESTER UNITED PLC	410,069	320,030	
	NEINOR HOMES SA	361,052	319,405	
	COCA-COLA ICECEK AS	231,722	319,233	
	HUTCHISON PORT HOLDINGS TRUST	283,362	318,787	
	BANCO BILBAO VIZCAYA ARGENTARI	260,172	314,062	
	HARBOUR ENERGY PLC	318,665	314,056	
	INDUSTRIA DE DISENO TEXTIL SA	314,772	312,893	
	SABRE CORP	336,826	312,822	
	KGINICIS CO LTD	313,709	310,969	
	SCHLUMBERGER LTD	345,330	305,490	
	WEYERHAEUSER CO	266,391	304,732	
	KONINKLIJKE AHOLD DELHAIZE NV	230,483	304,382	
	LL FLOORING HOLDINGS INC	343,190	302,651	
	AMS-OSRAM AG	274,085	302,322	
	SAMSUNG LIFE INSURANCE CO LTD	364,294	301,803	
	ZHEJIANG EXPRESSWAY CO LTD HK/00576	276,453	301,577	
	BED BATH & BEYOND INC	466,363	301,150	
	GRUPO TRAXION SAB DE CV	140,255	300,972	
	CISCO SYSTEMS INC	220,582	300,437	
	VOLVO AB	215,601	299,846	
	KION GROUP AG	160,163	297,333	
	KYOCERA CORP	294,989	297,079	
	TRAVELSKY TECHNOLOGY LTD HK/00696	357,348	296,392	
	LEGAL & GENERAL GROUP PLC	249,294	293,298	
	JARDINE CYCLE & CARRIAGE LTD	313,080	292,234	
	VEON LTD ADR	410,132	288,855	
	AKER CARBON CAPTURE ASA	180,755	287,018	
	JAPAN POST HOLDINGS CO LTD	306,711	286,590	
	HONG KONG EXCHANGES & CLEARING HK/00388	213,428	286,220	
	UNICREDIT SPA	236,617	283,401	
	BANKINTER SA	467,582	283,225	
	OKAMOTO INDUSTRIES INC	355,691	282,877	
	TSUMURA & CO	286,835	282,693	
	SCOR SE	300,581	282,310	
	AXALTA COATING SYSTEMS LTD	258,567	281,520	
	GREENTOWN SERVICE GROUP CO LTD HK/02869	309,486	280,955	
	ALMAWAVE SPA	280,743	280,914	
	TAIHEIYO CEMENT CORP	402,832	279,894	
	SAP SE	276,237	279,811	
	LINK NET TBK PT	286,424	279,093	

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, 2021

(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	
	HI SUN TECHNOLOGY CHINA LTD HK/00818	281,571	278,140	
	NITTO DENKO CORP	181,855	277,149	
	VK CO LTD GDR	549,731	276,340	
	TAPESTRY INC	191,073	275,674	
	CHECK POINT SOFTWARE TECHNOLOG	259,797	273,333	
	SANSEI TECHNOLOGIES INC	278,096	273,285	
	FUKUDA DENSHI CO LTD	241,910	272,123	
	QIWI PLC ADR	502,732	271,783	
	AT&T INC	255,433	270,600	
	WALMART INC	264,028	269,123	
	PIRAEUS PORT AUTHORITY SA	280,487	268,947	
	EIFPAGE SA	207,429	265,202	
	CLP HOLDINGS LTD HK/00002	247,973	262,625	
	FOURLIS HOLDINGS SA	322,055	260,360	
	CJ ENM CO LTD	382,441	260,144	
	DORMAKABA HOLDING AG	214,956	258,979	
	TREND MICRO INC/JAPAN	232,338	255,256	
	CGG SA	596,013	254,161	
	AXA SA	207,395	251,323	
	PROFARMA DISTRIBUIDORA DE PROD	303,698	248,429	
	UNIVERSAL MUSIC GROUP NV	253,520	247,982	
	SOCIETE BIC SA	313,357	247,537	
	ABSA GROUP LTD	272,130	247,378	
	STELLANTIS NV	189,249	246,333	
	HONGKONG LAND HOLDINGS LTD	215,279	244,509	
	HYUNDAI GLOVIS CO LTD	191,959	242,938	
	TREVI - FINANZIARIA INDUSTRIAL	288,231	242,673	
	SEINO HOLDINGS CO LTD	380,936	241,792	
	ONTEX GROUP NV	349,777	241,650	
	VICTORIA'S SECRET & CO	268,240	241,377	
	UNIVAR SOLUTIONS INC	199,322	240,975	
	BEIJING CAPITAL INTERNATIONAL HK/00694	344,613	240,357	
	EASTMAN CHEMICAL CO	104,657	240,127	
	DATALOGIC SPA	226,319	239,047	
	TELEFONICA DEUTSCHLAND HOLDING	336,532	237,559	
	QUALICORP CONSULTORIA E CORRET	411,941	236,894	
	ROLLS-ROYCE HOLDINGS PLC	198,829	236,337	
	IBERSOL SGPS SA	358,921	235,940	
	COCA-COLA BOTTLERS JAPAN HOLDI	449,104	232,924	
	LG CHEM LTD	131,637	232,290	
	AUTOHOME INC HK/02518	446,826	229,410	
	ASE TECHNOLOGY HOLDING CO LTD	197,114	228,902	
	NICHI-IKO PHARMACEUTICAL CO LT	438,739	226,521	
	TAKE-TWO INTERACTIVE SOFTWARE	196,673	216,818	
	KONINKLIJKE PHILIPS NV	242,618	216,334	
	BPOST SA	255,634	216,314	
	REALREAL INC/THE	231,002	214,785	
	IBERDROLA SA	198,609	213,089	
	BOLSA DE VALORES DE COLOMBIA	306,308	213,064	
	GREAT WESTERN BANCORP INC	201,213	212,929	
	EAST WEST BANCORP INC	232,895	212,436	
	ARCOS DORADOS HOLDINGS INC	231,965	212,334	
	BATH & BODY WORKS INC	182,186	209,370	
	DARDEN RESTAURANTS INC	187,585	206,377	
	MICRON TECHNOLOGY INC	164,589	205,862	
	CAPITAL & COUNTIES PROPERTIES	196,527	205,280	
	DANIELI & C OFFICINE MECCANICH	191,769	203,814	
	CJ CORP	258,849	203,177	
	US BANCORP	184,598	198,954	
	SECO SPA	100,420	198,368	
	RE/MAX HOLDINGS INC	238,166	196,721	
	VITAL KSK HOLDINGS INC	258,613	194,821	
	VROOM INC	552,144	192,062	
	COSCO CAPITAL INC	220,023	191,702	
	VODAFONE GROUP PLC ADR	175,497	190,522	

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, 2021

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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	
	TADANO LTD	217,764	190,512	
	TENCENT MUSIC ENTERTAINMENT GR ADR	226,858	187,142	
	CONSORCIO ARA SAB DE CV	197,403	186,752	
	HENRY SCHEIN INC	175,759	186,072	
	AGCO CORP	207,751	185,632	
	KINGSOFT CORP LTD HK/03888	183,649	185,389	
	BEYOND MEAT INC	295,282	185,054	
	CIELO SA	601,987	179,921	
	TRISUL SA	233,500	179,814	
	NOVO NORDISK A/S	100,452	179,697	
	SANLAM LTD	156,305	176,741	
	VNET GROUP INC ADR	362,491	176,645	
	WISDOMTREE INVESTMENTS INC	184,969	175,644	
	TOPPAN INC	153,690	175,431	
	CHANJET INFORMATION TECHNOLOGY HK/01588	174,092	173,945	
	B3 SA - BRASIL BOLSA BALCAO	229,308	173,600	
	CENTRICA PLC	146,774	172,671	
	SOLOCAL GROUP	1,108,451	172,647	
	GMO INTERNET INC	200,156	170,933	
	IQIYI INC ADR	615,204	170,257	
	VIVENDI SE	277,506	164,960	
	CALLAWAY GOLF CO	148,988	164,640	
	LANDIS+GYR GROUP AG	157,710	162,652	
	INDUSTRIAS PENOLES SAB DE CV	200,425	162,296	
	LOJAS RENNER SA	195,842	158,794	
	CHEGG INC	134,609	153,500	
	PARAMOUNT GLOBAL	205,932	147,882	
	HELLO GROUP INC ADR	481,790	147,173	
	SIEMENS GAMESA RENEWABLE ENERG	150,144	143,765	
	MEYER BURGER TECHNOLOGY AG	147,680	136,350	
	MARISA LOJAS SA	238,186	132,527	
	KINGSOFT CLOUD HOLDINGS LTD ADR	251,116	128,016	
	INVERSIONES LA CONSTRUCCION SA	451,441	127,109	
	AIRBNB INC	95,707	116,543	
	BOLIDEN AB	97,284	115,973	
	NKT A/S	101,589	110,987	
	ACERINOX SA	100,042	110,050	
	SAFRAN SA	103,455	108,964	
	KONINKLIJKE BAM GROEP NV	99,327	97,278	
	BANCO SANTANDER CHILE ADR	121,701	95,003	
	ALIBABA HEALTH INFORMATION TEC HK/00241	155,119	93,234	
	SOUTHWESTERN ENERGY CO	95,756	89,938	
	MELIA HOTELS INTERNATIONAL SA	99,453	88,731	
	MITSUBISHI ESTATE CO LTD	88,683	88,618	
	TULLOW OIL PLC	97,529	84,620	
	VONTIER CORP	96,557	82,971	
	BLOOMIN' BRANDS INC	96,455	81,822	
	GOURMET MASTER CO LTD	96,324	81,109	
	RECKITT BENCKISER GROUP PLC	74,738	77,052	
	GDS HOLDINGS LTD HK/09698	101,695	76,698	
	PINTEREST INC	96,083	76,335	
	H LUNDBECK A/S	83,171	71,617	
	KEPPEL CORP LTD	82,264	63,423	
	KBC GROUP NV	32,530	55,607	
	UNILEVER INDONESIA TBK PT	95,067	51,012	
	THALES SA	40,129	47,124	
	VODAFONE GROUP PLC	34,481	28,055	
	RICHEMONT(CIE FIN) WTS 22-NOV-2023 (TO SUB FOR ORD)	145,701	20,846	
	MARISA LOJAS SA RTS	37,502	12,123	
	VALID SOLUCOES SA -CW22 WTS EXP 05-SEP-2022	-	6,020	
	FRESENIUS KABI PHARMACEUTICALS RTS EXP 12/31/2010	750	750	
Corporate Stock Total		646,508,917	855,349,321	

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				
	AT&T INC 3.550% 09/15/2055 DD 03/15/21	12,491,042	14,519,078	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.450% 01/23/2039 DD 01/23/19	8,350,226	9,051,351	
	AT&T INC 3.800% 12/01/2057 DD 06/01/21	8,924,343	8,914,148	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/31/2038 DD 10/31/17	7,644,842	8,504,366	
	CHARTER COMMUNICATIONS OPERATI 5.375% 05/01/2047 DD 11/01/17	7,094,535	7,811,730	
	COMCAST CORP 144A 2.937% 11/01/2056 DD 08/19/21	7,861,596	7,654,717	
	AT&T INC 3.500% 09/15/2053 DD 03/15/21	7,076,643	7,650,918	
	VERIZON COMMUNICATIONS INC 4.812% 03/15/2039 DD 02/03/17	6,888,596	7,157,761	
	JPMORGAN CHASE & CO VAR RT 12/10/2025 DD 12/10/21	7,070,000	7,081,028	
	WYETH LLC 5.950% 04/01/2037 DD 03/27/07	5,455,687	6,658,843	
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	6,361,041	6,361,040	
	BOEING CO/THE 5.805% 05/01/2050 DD 05/04/20	4,936,272	6,221,976	
	MORGAN STANLEY VAR RT 07/22/2038 DD 07/24/17	5,569,918	5,985,914	
	ABBOTT LABORATORIES 4.750% 11/30/2036 DD 11/22/16	4,942,994	5,769,118	
	EQUINOR ASA 2.875% 04/06/2025 DD 04/06/20	5,980,166	5,763,046	
	BRISTOL-MYERS SQUIBB CO 4.250% 10/26/2049 DD 04/26/20	5,208,138	5,624,171	
	EXXON MOBIL CORP 4.227% 03/19/2040 DD 03/19/20	4,868,291	5,609,597	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.550% 01/23/2049 DD 01/23/19	4,315,002	5,514,325	
	BOEING CO/THE 5.705% 05/01/2040 DD 05/04/20	4,305,563	5,503,934	
	COCA-COLA CO/THE 2.500% 06/01/2040 DD 05/01/20	5,402,352	5,441,159	
	DUKE ENERGY CAROLINAS LLC 6.000% 01/15/2038 DD 01/10/08	4,343,628	5,413,141	
	LOCKHEED MARTIN CORP 4.070% 12/15/2042 DD 12/14/12	4,763,589	5,365,463	
	SHELL INTERNATIONAL FINANCE BV 4.375% 05/11/2045 DD 05/11/15	4,515,987	5,155,609	
	BANK OF AMERICA CORP VAR RT 06/19/2041 DD 06/19/20	5,245,889	5,067,563	
	CVS HEALTH CORP 4.780% 03/25/2038 DD 03/09/18	4,608,115	5,003,646	
	AERCAP IRELAND CAPITAL DAC / A 1.150% 10/29/2023 DD 10/29/21	4,955,000	4,934,090	
	FLORIDA POWER & LIGHT CO 5.960% 04/01/2039 DD 03/17/09	3,720,898	4,821,292	
	GOLDMAN SACHS GROUP INC/THE 6.250% 02/01/2041 DD 01/28/11	3,584,131	4,813,693	
	AERCAP IRELAND CAPITAL DAC / A 1.650% 10/29/2024 DD 10/29/21	4,784,156	4,782,384	
	EXXON MOBIL CORP 3.452% 04/15/2051 DD 04/15/20	4,460,785	4,779,530	
	BARCLAYS PLC VAR RT 11/24/2027 DD 11/24/21	4,706,128	4,715,869	
	DUPONT DE NEMOURS INC 4.205% 11/15/2023 DD 11/28/18	4,764,706	4,611,049	
	WELLS FARGO & CO 4.650% 11/04/2044 DD 11/04/14	4,515,366	4,595,974	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.700% 02/01/2036 DD 02/01/19	3,601,130	4,515,105	
	GE CAPITAL INTERNATIONAL FUNDI 4.418% 11/15/2035 DD 05/15/16	3,493,239	4,429,115	
	RAYTHEON TECHNOLOGIES CORP 4.125% 11/16/2028 DD 08/16/18	4,602,597	4,416,191	
	HSBC HOLDINGS PLC 6.500% 09/15/2037 DD 09/12/07	3,388,853	4,409,102	
	VERIZON COMMUNICATIONS INC 3.700% 03/22/2061 DD 03/22/21	3,970,809	4,301,353	
	APPLE INC 3.750% 11/13/2047 DD 11/13/17	4,028,831	4,289,402	
	ABBVIE INC 4.050% 11/21/2039 DD 05/21/20	3,813,462	4,256,958	
	BANK OF AMERICA CORP VAR RT 04/24/2038 DD 04/24/17	3,991,172	4,245,468	
	MICROSOFT CORP 2.525% 06/01/2050 DD 06/01/20	4,393,119	4,234,435	
	ENTERPRISE PRODUCTS OPERATING 4.800% 02/01/2049 DD 10/11/18	3,889,624	4,230,904	
	VERIZON COMMUNICATIONS INC 2.987% 10/30/2056 DD 04/30/21	3,814,507	4,217,350	
	ABBVIE INC 4.250% 11/21/2049 DD 05/21/20	3,530,617	4,212,689	
	HSBC HOLDINGS PLC VAR RT 06/19/2029 DD 06/19/18	3,678,408	4,136,933	
	ORACLE CORP 4.125% 05/15/2045 DD 05/05/15	3,850,235	4,086,691	
	BANK OF AMERICA CORP VAR RT 03/20/2051 DD 03/20/20	3,355,000	4,044,989	
	TRANSCANADA PIPELINES LTD 6.200% 10/15/2037 DD 10/05/07	3,740,087	4,040,613	
	UNION PACIFIC CORP 3.799% 04/06/2071 DD 04/06/21	3,673,121	3,979,170	
	WELLS FARGO & CO 3.000% 10/23/2026 DD 10/25/16	3,973,060	3,905,245	
	TOTALENERGIES CAPITAL INTERNAT 3.127% 05/29/2050 DD 05/29/20	3,774,664	3,890,498	
	JPMORGAN CHASE & CO VAR RT 01/23/2049 DD 01/23/18	3,771,318	3,864,812	
	MORGAN STANLEY VAR RT 10/21/2025 DD 10/19/21	3,865,000	3,835,317	
	VODAFONE GROUP PLC 5.250% 05/30/2048 DD 05/30/18	3,047,720	3,826,105	
	BP CAPITAL MARKETS AMERICA INC 2.772% 11/10/2050 DD 08/10/20	4,040,685	3,817,458	
	VERIZON COMMUNICATIONS INC 4.750% 11/01/2041 DD 11/03/11	3,167,831	3,798,792	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.900% 02/01/2046 DD 02/01/19	2,906,864	3,760,443	
	BANK OF AMERICA CORP VAR RT 10/22/2030 DD 10/22/19	3,625,000	3,746,583	
	NORTHROP GRUMMAN CORP 4.750% 06/01/2043 DD 05/31/13	3,256,412	3,702,326	
	ABBVIE INC 4.500% 05/14/2035 DD 05/14/15	3,178,995	3,691,385	
	BANK OF AMERICA CORP VAR RT 10/24/2031 DD 10/21/20	3,711,666	3,630,720	
	EQUINOR ASA 3.625% 04/06/2040 DD 04/06/20	3,224,794	3,625,289	
	REYNOLDS AMERICAN INC 5.850% 08/15/2045 DD 06/12/15	3,413,423	3,618,767	
	GILEAD SCIENCES INC 4.150% 03/01/2047 DD 09/20/16	3,101,766	3,606,448	
	CITIGROUP INC VAR RT 03/26/2041 DD 03/26/20	3,120,439	3,599,943	

American Electric Power System Retirement Plan

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	CVS HEALTH CORP 5.050% 03/25/2048 DD 03/09/18	3,006,235	3,590,123	
	COMCAST CORP 3.400% 07/15/2046 DD 07/19/16	3,465,773	3,571,445	
	ROCHE HOLDINGS INC 144A 1.930% 12/13/2028 DD 12/13/21	3,540,000	3,556,603	
	AMGEN INC 3.150% 02/21/2040 DD 02/21/20	3,452,087	3,516,820	
	APPLE INC 4.650% 02/23/2046 DD 02/23/16	2,782,689	3,475,265	
	WELLS FARGO BANK NA 6.600% 01/15/2038 DD 12/07/07	2,590,069	3,454,936	
	MEXICO GOVERNMENT INTERNATIONA 3.771% 05/24/2061 DD 11/24/20	3,738,000	3,439,409	
	CONSTELLATION ENERGY GENERATIO 6.250% 10/01/2039 DD 09/23/09	3,265,157	3,435,889	
	NORFOLK SOUTHERN CORP 4.150% 02/28/2048 DD 02/28/18	2,953,892	3,415,486	
	CITIGROUP INC VAR RT 04/24/2048 DD 04/25/17	2,998,231	3,415,071	
	EMERA US FINANCE LP 4.750% 06/15/2046 DD 12/15/16	3,129,327	3,400,904	
	LOWE'S COS INC 4.050% 05/03/2047 DD 05/03/17	2,970,978	3,371,681	
	MICROSOFT CORP 2.921% 03/17/2052 DD 03/17/21	3,113,720	3,320,683	
	SHELL INTERNATIONAL FINANCE BV 6.375% 12/15/2038 DD 12/11/08	2,804,633	3,316,120	
	T-MOBILE USA INC 144A 3.400% 10/15/2052 DD 08/13/21	3,295,839	3,311,188	
	ENERGY TRANSFER LP 6.250% 04/15/2049 DD 01/15/19	2,860,221	3,299,084	
	PACIFIC GAS AND ELECTRIC CO 4.950% 07/01/2050 DD 07/02/20	3,196,342	3,248,545	
	ORACLE CORP 3.600% 04/01/2050 DD 04/01/20	3,509,019	3,222,142	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.439% 10/06/2048 DD 04/06/17	2,709,005	3,210,419	
	JPMORGAN CHASE & CO VAR RT 07/24/2038 DD 07/24/17	3,107,151	3,144,994	
	AMAZON.COM INC 4.050% 08/22/2047 DD 02/22/18	2,923,367	3,114,496	
	ORACLE CORP 3.850% 07/15/2036 DD 07/07/16	3,107,884	3,102,909	
	GILEAD SCIENCES INC 4.500% 02/01/2045 DD 11/17/14	2,775,998	3,093,811	
	VISA INC 4.300% 12/14/2045 DD 12/14/15	2,684,175	3,093,003	
	APPLE INC 2.650% 02/08/2051 DD 02/08/21	2,954,096	3,089,592	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.600% 04/15/2048 DD 04/04/18	2,882,824	3,076,256	
	STARBUCKS CORP 3.500% 11/15/2050 DD 05/07/20	2,806,073	3,053,430	
	JPMORGAN CHASE & CO VAR RT 10/15/2030 DD 09/12/19	2,950,000	3,033,987	
	BECLE SAB DE CV 144A 2.500% 10/14/2031 DD 10/14/21	3,023,717	3,005,937	
	CITIGROUP INC VAR RT 03/31/2031 DD 03/31/20	2,615,000	2,989,363	
	AMGEN INC 4.663% 06/15/2051 DD 12/15/16	2,412,722	2,984,905	
	SUNCOR ENERGY INC 6.500% 06/15/2038 DD 06/28/07	2,512,573	2,966,851	
	CHARTER COMMUNICATIONS OPERATI 6.484% 10/23/2045 DD 10/23/16	2,718,045	2,951,100	
	NEW YORK LIFE INSURANCE C 144A 6.750% 11/15/2039 DD 10/08/09	2,494,385	2,928,797	
	MIDAMERICAN ENERGY CO 4.250% 07/15/2049 DD 01/09/19	2,889,219	2,928,319	
	EQUINOR ASA 3.950% 05/15/2043 DD 05/15/13	2,684,573	2,919,539	
	WELLS FARGO BANK NA 5.850% 02/01/2037 DD 01/29/07	2,362,344	2,910,578	
	WELLS FARGO & CO 4.900% 11/17/2045 DD 11/17/15	2,553,923	2,886,106	
	7-ELEVEN INC 144A 0.800% 02/10/2024 DD 02/10/21	2,892,175	2,862,431	
	THERMO FISHER SCIENTIFIC INC 0.797% 10/18/2023 DD 10/22/21	2,860,000	2,850,333	
	RENESAS ELECTRONICS CORP 144A 1.543% 11/26/2024 DD 11/26/21	2,845,000	2,825,512	
	WALT DISNEY CO/THE 6.200% 12/15/2034 DD 06/15/19	2,802,152	2,804,474	
	USAA CAPITAL CORP 144A 1.500% 05/01/2023 DD 04/21/20	2,840,157	2,802,584	
	AETNA INC 2.750% 11/15/2022 DD 11/07/12	2,869,588	2,800,973	
	CANADIAN IMPERIAL BANK OF COMM 1.000% 10/18/2024 DD 10/18/21	2,824,407	2,800,620	
	ORACLE CORP 4.300% 07/08/2034 DD 07/08/14	2,637,818	2,772,525	
	ORACLE CORP 3.600% 04/01/2040 DD 04/01/20	2,978,851	2,763,693	
	GOLDMAN SACHS GROUP INC/THE VAR RT 01/27/2032 DD 01/27/21	2,767,452	2,759,598	
	CONSOLIDATED EDISON CO OF NEW 4.450% 03/15/2044 DD 03/06/14	2,338,034	2,749,664	
	COMCAST CORP 144A 2.987% 11/01/2063 DD 08/19/21	2,803,874	2,722,442	
	SCENTRE GROUP TRUST 2 144A VAR RT 09/24/2080 DD 09/24/20	2,515,000	2,694,194	
	RAYTHEON TECHNOLOGIES CORP 2.375% 03/15/2032 DD 11/16/21	2,689,543	2,690,404	
	CSX CORP 4.750% 05/30/2042 DD 11/01/11	2,175,449	2,685,079	
	ALABAMA POWER CO 4.300% 07/15/2048 DD 06/28/18	2,416,536	2,678,856	
	KINDER MORGAN INC 5.550% 06/01/2045 DD 11/26/14	2,102,889	2,675,438	
	UNITEDHEALTH GROUP INC 3.500% 08/15/2039 DD 07/25/19	2,522,180	2,672,455	
	MEXICO GOVERNMENT INTERNATIONA 5.000% 04/27/2051	2,445,185	2,667,415	
	ALTRIA GROUP INC 5.950% 02/14/2049 DD 02/14/19	2,587,565	2,667,373	
	SOUTHERN NATURAL GAS CO L 144A 0.625% 04/28/2023 DD 04/29/21	2,659,574	2,644,652	
	APPLE INC 3.450% 02/09/2045 DD 02/09/15	2,382,601	2,619,911	
	TRANSCONTINENTAL GAS PIPE LINE 7.850% 02/01/2026 DD 08/01/16	2,681,866	2,595,008	
	EVERSOURCE ENERGY 2.800% 05/01/2023 DD 05/13/13	2,634,457	2,584,450	
	HSBC HOLDINGS PLC VAR RT 05/24/2032 DD 05/24/21	2,565,000	2,575,850	
	SOUTHERN CO/THE 4.400% 07/01/2046 DD 05/24/16	2,484,113	2,561,936	
	MICROSOFT CORP 4.100% 02/06/2037 DD 02/06/17	2,100,432	2,554,775	

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, 2021

(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	
	RAYTHEON TECHNOLOGIES CORP 4.500% 06/01/2042 DD 06/01/12	2,210,094	2,536,200	
	URUGUAY GOVERNMENT INTERNATION 5.100% 06/18/2050 DD 06/18/14	2,072,836	2,529,195	
	NORTHWESTERN MUTUAL LIFE 144A 3.625% 09/30/2059 DD 09/20/19	2,290,730	2,508,408	
	ANTHEM INC 4.550% 03/01/2048 DD 03/02/18	1,993,180	2,506,100	
	SUMITOMO MITSUI FINANCIAL GROU 1.902% 09/17/2028 DD 09/17/21	2,550,000	2,502,060	
	JPMORGAN CHASE & CO 5.600% 07/15/2041 DD 07/21/11	1,938,775	2,499,066	
	CITIGROUP INC VAR RT 11/03/2042 DD 11/03/21	2,515,000	2,497,571	
	MCDONALD'S CORP 4.450% 03/01/2047 DD 03/09/17	2,265,427	2,490,209	
	AMAZON.COM INC 3.250% 05/12/2061 DD 05/12/21	2,392,671	2,488,531	
	SHIRE ACQUISITIONS INVESTMENTS 2.875% 09/23/2023 DD 09/23/16	2,522,165	2,478,878	
	GEORGIA POWER CO 4.300% 03/15/2042 DD 03/06/12	2,161,348	2,465,921	
	HOME DEPOT INC/THE 4.200% 04/01/2043 DD 04/05/13	2,153,475	2,462,676	
	JPMORGAN CHASE & CO VAR RT 11/19/2026 DD 11/19/20	2,498,903	2,446,472	
	ANTHEM INC 4.650% 01/15/2043 DD 09/10/12	2,110,177	2,443,233	
	VIATRIS INC 3.850% 06/22/2040 DD 06/22/21	2,295,216	2,442,232	
	ASTRAZENECA PLC 6.450% 09/15/2037 DD 09/12/07	1,947,148	2,440,678	
	ROYALTY PHARMA PLC 0.750% 09/02/2023 DD 03/02/21	2,450,897	2,436,798	
	NATIONAL SECURITIES CLEAR 144A 1.500% 04/23/2025 DD 04/23/20	2,460,099	2,435,536	
	APPLE INC 2.650% 05/11/2050 DD 05/11/20	2,429,775	2,433,275	
	COMCAST CORP 3.200% 07/15/2036 DD 07/19/16	2,286,697	2,426,927	
	BAXTER INTERNATIONAL INC 144A 0.868% 12/01/2023 DD 12/01/21	2,391,840	2,390,592	
	DUPONT DE NEMOURS INC 5.319% 11/15/2038 DD 11/28/18	1,955,694	2,389,275	
	GENERAL MOTORS CO 5.000% 04/01/2035 DD 11/12/14	1,998,022	2,387,236	
	JPMORGAN CHASE & CO VAR RT 04/23/2029 DD 04/23/18	2,275,565	2,374,912	
	ALTRIA GROUP INC 2.450% 02/04/2032 DD 02/04/21	2,343,850	2,352,661	
	TIME WARNER CABLE LLC 5.875% 11/15/2040 DD 11/15/10	2,053,505	2,351,673	
	SKY LTD 144A 3.750% 09/16/2024 DD 09/16/14	2,344,716	2,343,044	
	PUBLIC SERVICE ENTERPRISE GROU 0.841% 11/08/2023 DD 11/08/21	2,340,000	2,331,342	
	CVS HEALTH CORP 4.125% 04/01/2040 DD 03/31/20	2,070,217	2,330,856	
	HYUNDAI CAPITAL AMERICA 144A 1.000% 09/17/2024 DD 09/17/21	2,365,734	2,329,544	
	MORGAN STANLEY 6.375% 07/24/2042 DD 07/24/12	1,726,363	2,327,016	
	STANFORD HEALTH CARE 3.310% 08/15/2030 DD 04/01/20	2,161,000	2,324,242	
	RAYTHEON TECHNOLOGIES CORP 4.050% 05/04/2047 DD 05/04/17	2,279,660	2,322,120	
	BANK OF AMERICA CORP VAR RT 01/20/2028 DD 01/20/17	2,407,557	2,313,337	
	JPMORGAN CHASE & CO VAR RT 06/23/2025 DD 06/23/21	2,331,006	2,307,772	
	MERCK & CO INC 2.900% 12/10/2061 DD 12/10/21	2,283,542	2,283,954	
	BANK OF AMERICA CORP VAR RT 04/22/2042 DD 04/22/21	2,200,006	2,281,932	
	PFIZER INC 4.000% 12/15/2036 DD 11/21/16	2,193,158	2,281,742	
	MORGAN STANLEY VAR RT 01/25/2024 DD 01/25/21	2,283,406	2,277,300	
	CHARTER COMMUNICATIONS OPERATI 3.850% 04/01/2061 DD 12/04/20	2,402,162	2,277,078	
	NORFOLK SOUTHERN CORP 3.050% 05/15/2050 DD 05/11/20	2,214,783	2,269,994	
	MOTIVA ENTERPRISES LLC 144A 6.850% 01/15/2040 DD 01/11/10	2,195,608	2,263,529	
	BANK OF AMERICA CORP 4.750% 04/21/2045 DD 04/21/15	1,701,641	2,260,834	
	ALTRIA GROUP INC 4.000% 02/04/2061 DD 02/04/21	2,330,965	2,254,496	
	AT&T INC 4.300% 02/15/2030 DD 08/15/18	2,262,500	2,253,080	
	MERCK & CO INC 1.700% 06/10/2027 DD 12/10/21	2,229,063	2,244,785	
	EVERNORTH HEALTH INC 4.500% 02/25/2026 DD 02/25/16	2,295,991	2,236,857	
	LOWE'S COS INC 5.000% 04/15/2040 DD 03/26/20	1,761,734	2,227,970	
	INTEL CORP 3.250% 11/15/2049 DD 11/21/19	2,098,803	2,224,719	
	ORACLE CORP 3.800% 11/15/2037 DD 11/09/17	2,342,691	2,218,559	
	UNITEDHEALTH GROUP INC 3.050% 05/15/2041 DD 05/19/21	2,102,014	2,214,677	
	ORACLE CORP 2.500% 04/01/2025 DD 04/01/20	2,277,029	2,211,494	
	UNITEDHEALTH GROUP INC 2.750% 05/15/2040 DD 05/18/20	2,111,699	2,209,277	
	AVALONBAY COMMUNITIES INC 4.350% 04/15/2048 DD 03/26/18	1,750,235	2,196,496	
	ABBVIE INC 3.200% 11/06/2022 DD 05/14/15	2,222,335	2,160,955	
	ORACLE CORP 4.000% 11/15/2047 DD 11/09/17	2,363,890	2,145,840	
	JPMORGAN CHASE & CO VAR RT 07/24/2048 DD 07/24/17	1,830,483	2,132,100	
	AMAZON.COM INC 2.700% 06/03/2060 DD 06/03/20	2,164,070	2,120,511	
	ATHENE GLOBAL FUNDING 144A 2.646% 10/04/2031 DD 10/04/21	2,145,000	2,118,831	
	DTE ENERGY CO VAR RT 10/01/2024 DD 07/01/19	2,151,052	2,115,520	
	CORNING INC 5.450% 11/15/2079 DD 11/19/19	1,635,239	2,114,922	
	EQUITABLE FINANCIAL LIFE 144A 1.700% 11/12/2026 DD 11/12/21	2,132,459	2,107,330	
	BOEING CO/THE 4.875% 05/01/2025 DD 05/04/20	2,117,211	2,106,932	
	BANK OF AMERICA CORP VAR RT 03/15/2050 DD 03/15/19	1,968,361	2,104,292	
	METLIFE INC 4.875% 11/13/2043 DD 11/13/13	1,604,922	2,100,517	

American Electric Power System Retirement Plan

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

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		BIAGEN INC 144A 3.250% 02/15/2051 DD 02/16/21	1,927,957	2,097,065
		EQUINIX INC 3.400% 02/15/2052 DD 05/17/21	2,028,190	2,092,955
		MONDELEZ INTERNATIONAL HO 144A 0.750% 09/24/2024 DD 09/24/21	2,121,728	2,089,789
*		BANK OF NEW YORK MELLON CORP/T VAR RT 02/07/2028 DD 02/07/17	2,086,440	2,088,074
		PACIFIC GAS AND ELECTRIC CO 3.500% 08/01/2050 DD 06/19/20	2,209,747	2,086,795
		PINNACLE WEST CAPITAL CORP 1.300% 06/15/2025 DD 06/17/20	2,143,376	2,086,122
		AMEREN CORP 2.500% 09/15/2024 DD 09/16/19	2,094,860	2,053,193
		SOUTHERN CALIFORNIA EDISON CO 3.600% 02/01/2045 DD 01/16/15	2,020,476	2,040,526
		TELEFONICA EMISIONES SA 5.213% 03/08/2047 DD 03/08/17	1,734,758	2,032,476
		JDE PEET'S NV 144A 0.800% 09/24/2024 DD 09/24/21	2,065,529	2,028,704
		UNION ELECTRIC CO 4.000% 04/01/2048 DD 04/06/18	1,736,043	2,021,660
		T-MOBILE USA INC 4.375% 04/15/2040 DD 04/15/21	1,740,446	2,013,645
		MITSUBISHI UFJ FINANCIAL GROUP VAR RT 07/20/2027 DD 07/20/21	2,040,000	2,004,830
		COMCAST CORP 3.400% 04/01/2030 DD 03/27/20	1,831,752	2,004,664
		DUKE ENERGY CAROLINAS LLC 3.750% 06/01/2045 DD 03/12/15	1,999,146	2,002,142
		TSMC ARIZONA CORP 1.750% 10/25/2026 DD 10/25/21	1,994,521	1,997,095
		ENTERPRISE PRODUCTS OPERATING 4.900% 05/15/2046 DD 05/07/15	1,764,362	1,976,978
		UNION PACIFIC CORP 3.250% 02/05/2050 DD 01/31/20	1,728,453	1,968,806
		AMERICAN WATER CAPITAL CORP 3.450% 05/01/2050 DD 04/14/20	1,935,886	1,964,550
		SAFEHOLD OPERATING PARTNERSHIP 2.850% 01/15/2032 DD 11/18/21	1,987,147	1,962,860
		HCA INC 5.250% 06/15/2049 DD 06/12/19	1,716,413	1,957,262
		DELTA AIR LINES INC / SKY 144A 4.500% 10/20/2025 DD 09/23/20	1,956,100	1,955,474
		ELECTRICITE DE FRANCE SA 144A 5.000% 09/21/2048 DD 09/21/18	1,455,780	1,955,400
		PHILLIPS 66 3.300% 03/15/2052 DD 11/15/21	1,920,739	1,940,379
		ROYAL BANK OF CANADA 0.650% 07/29/2024 DD 07/29/21	1,963,723	1,937,588
		GENERAL ELECTRIC CO 6.750% 03/15/2032 DD 03/20/02	1,750,813	1,931,800
		BAXTER INTERNATIONAL INC 144A 2.272% 12/01/2028 DD 12/01/21	1,915,000	1,930,588
		MEXICO GOVERNMENT INTERNATIONA 4.500% 01/31/2050 DD 07/31/19	1,752,288	1,923,900
		ENERGY TRANSFER LP 4.950% 01/15/2043 DD 01/10/13	1,810,888	1,923,522
		BURLINGTON NORTHERN SANTA FE L 4.375% 09/01/2042 DD 08/23/12	1,570,858	1,923,093
		CONSOLIDATED EDISON CO OF NEW 5.500% 12/01/2039 DD 12/04/09	1,767,887	1,919,358
		ABBVIE INC 4.550% 03/15/2035 DD 09/15/20	1,846,896	1,917,174
		JOHNSON & JOHNSON 3.700% 03/01/2046 DD 03/01/16	1,854,055	1,909,494
		NUTRIEN LTD 4.125% 03/15/2035 DD 03/15/18	1,607,421	1,908,091
		DUPONT DE NEMOURS INC 5.419% 11/15/2048 DD 11/28/18	1,371,247	1,904,870
		EQUINIX INC 2.950% 09/15/2051 DD 10/07/20	1,988,760	1,895,120
		MARSH & MCLENNAN COS INC 4.900% 03/15/2049 DD 01/15/19	1,393,507	1,881,395
		DUKE ENERGY CAROLINAS LLC 3.950% 03/15/2048 DD 03/01/18	1,876,294	1,880,666
		NATWEST MARKETS PLC 144A 1.600% 09/29/2026 DD 09/29/21	1,909,542	1,879,841
		MORGAN STANLEY 7.250% 04/01/2032 DD 04/03/02	1,517,856	1,878,793
		CREDIT SUISSE GROUP AG 144A VAR RT 06/05/2026 DD 06/05/20	1,894,165	1,856,107
		WALT DISNEY CO/THE 4.625% 03/23/2040 DD 03/23/20	1,665,934	1,844,287
		AT&T INC 4.500% 03/09/2048 DD 09/07/16	1,420,871	1,842,262
		AMERICAN INTERNATIONAL GROUP I 4.500% 07/16/2044 DD 07/16/14	1,523,600	1,835,463
		BOEING CO/THE 5.930% 05/01/2060 DD 05/04/20	1,471,759	1,831,598
		BERKSHIRE HATHAWAY ENERGY CO 3.800% 07/15/2048 DD 01/05/18	1,616,585	1,831,256
		PARKER-HANNIFIN CORP 4.200% 11/21/2034 DD 11/21/14	1,603,283	1,830,727
		BLACKSTONE HOLDINGS FINAN 144A 1.625% 08/05/2028 DD 08/05/21	1,874,680	1,827,416
		NATIONWIDE MUTUAL INSURAN 144A 9.375% 08/15/2039 DD 08/10/09	1,819,036	1,825,467
		GEORGIA POWER CO 4.300% 03/15/2043 DD 03/15/13	1,728,538	1,814,778
		ABBVIE INC 4.875% 11/14/2048 DD 09/18/18	1,514,753	1,811,568
		PACIFICORP 6.250% 10/15/2037 DD 10/03/07	1,857,381	1,796,660
		HOME DEPOT INC/THE 3.300% 04/15/2040 DD 03/30/20	1,630,425	1,788,280
		AMAZON.COM INC 4.950% 12/05/2044 DD 12/05/14	1,695,706	1,787,823
		JPMORGAN CHASE & CO VAR RT 06/01/2025 DD 06/01/21	1,791,341	1,784,261
		DOMINION ENERGY INC 4.050% 09/15/2042 DD 09/13/12	1,560,670	1,779,384
		ROCHE HOLDINGS INC 144A 2.607% 12/13/2051 DD 12/13/21	1,815,000	1,777,883
		RAYTHEON TECHNOLOGIES CORP 4.450% 11/16/2038 DD 08/16/18	1,747,686	1,769,852
		UNITEDHEALTH GROUP INC 6.875% 02/15/2038 DD 02/07/08	1,230,277	1,766,745
		BURLINGTON NORTHERN SANTA FE L 4.550% 09/01/2044 DD 08/18/14	1,642,191	1,752,053
		DOW CHEMICAL CO/THE 3.600% 11/15/2050 DD 08/26/20	1,598,086	1,749,941
		SEMPRA ENERGY 3.800% 02/01/2038 DD 01/12/18	1,631,933	1,746,514
		SUMITOMO MITSUI FINANCIAL GROU 2.348% 01/15/2025 DD 01/15/20	1,795,071	1,742,585
		PUBLIC SERVICE ELECTRIC AND GA 4.050% 05/01/2048 DD 05/04/18	1,436,055	1,732,122
		CHARTER COMMUNICATIONS OPERATI 4.800% 03/01/2050 DD 10/24/19	1,614,081	1,725,404

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	NESTLE HOLDINGS INC 144A 3.900% 09/24/2038 DD 09/24/18	1,492,419	1,718,862	
	DISCOVERY COMMUNICATIONS LLC 4.650% 05/15/2050 DD 05/18/20	1,458,131	1,718,566	
	KINDER MORGAN ENERGY PARTNERS 5.500% 03/01/2044 DD 02/24/14	1,432,456	1,714,818	
	CONSOLIDATED EDISON CO OF NEW 3.950% 04/01/2050 DD 03/31/20	1,552,761	1,714,047	
	AMERICAN CAMPUS COMMUNITIES OP 2.250% 01/15/2029 DD 10/07/21	1,728,754	1,712,596	
	JDE PEET'S NV 144A 1.375% 01/15/2027 DD 09/24/21	1,758,584	1,710,404	
	INTERCONTINENTAL EXCHANGE INC 3.000% 06/15/2050 DD 05/26/20	1,659,658	1,707,253	
	FEDEX CORP 4.050% 02/15/2048 DD 01/31/18	1,508,698	1,706,602	
	TEXAS HEALTH RESOURCES 3.372% 11/15/2051 DD 09/18/19	1,540,922	1,698,389	
	PHILLIPS 66 4.650% 11/15/2034 DD 11/17/14	1,427,178	1,695,346	
	DUKE ENERGY PROGRESS LLC 3.600% 09/15/2047 DD 09/08/17	1,527,751	1,691,767	
	ENERGY TRANSFER LP 6.625% 10/15/2036 DD 10/23/06	1,661,242	1,687,717	
	MERCK & CO INC 3.700% 02/10/2045 DD 02/10/15	1,654,998	1,679,914	
	AMGEN INC 3.375% 02/21/2050 DD 02/21/20	1,660,558	1,675,877	
	CVS HEALTH CORP 5.125% 07/20/2045 DD 07/20/15	1,379,776	1,662,345	
	BERKSHIRE HATHAWAY FINANCE COR 4.200% 08/15/2048 DD 08/15/18	1,592,631	1,658,507	
	GUARDIAN LIFE GLOBAL FUND 144A 1.625% 09/16/2028 DD 09/16/21	1,708,991	1,656,152	
	MERCK & CO INC 2.450% 06/24/2050 DD 06/24/20	1,708,788	1,655,553	
	CONOCOPHILLIPS 5.900% 05/15/2038 DD 05/08/08	1,468,533	1,654,728	
	MEXICO CITY AIRPORT TRUST 144A 5.500% 07/31/2047 DD 09/20/17	1,715,005	1,653,427	
	BOEING CO/THE 1.433% 02/04/2024 DD 02/04/21	1,658,145	1,652,749	
	LYB INTERNATIONAL FINANCE III 3.625% 04/01/2051 DD 10/08/20	1,562,495	1,652,623	
	SHELL INTERNATIONAL FINANCE BV 5.500% 03/25/2040 DD 03/25/10	1,636,155	1,650,140	
	DUKE ENERGY PROGRESS LLC 4.150% 12/01/2044 DD 11/20/14	1,634,556	1,649,648	
	CLEVELAND ELECTRIC ILLUMINATIN 5.950% 12/15/2036 DD 12/11/06	1,545,083	1,645,515	
	BANK OF AMERICA CORP 6.110% 01/29/2037 DD 01/29/07	1,348,686	1,644,401	
	MORGAN STANLEY VAR RT 01/22/2031 DD 01/22/20	1,612,932	1,643,681	
	BURLINGTON NORTHERN SANTA FE L 3.900% 08/01/2046 DD 05/16/16	1,577,759	1,635,617	
	BP CAPITAL MARKETS AMERICA INC 3.001% 03/17/2052 DD 09/17/21	1,675,000	1,635,185	
	PFIZER INC 4.200% 09/15/2048 DD 09/07/18	1,386,977	1,630,094	
	BAXTER INTERNATIONAL INC 144A 1.322% 11/29/2024 DD 12/01/21	1,630,000	1,628,093	
	T-MOBILE USA INC 3.000% 02/15/2041 DD 02/15/21	1,626,416	1,625,289	
	PROVINCE OF ONTARIO CANADA 1.800% 10/14/2031 DD 10/14/21	1,630,095	1,624,798	
	DISCOVERY COMMUNICATIONS LLC 5.200% 09/20/2047 DD 09/21/17	1,488,984	1,623,985	
	BERKSHIRE HATHAWAY FINANCE COR 4.300% 05/15/2043 DD 05/15/13	1,655,484	1,622,319	
	PUBLIC SERVICE CO OF COLORADO 4.300% 03/15/2044 DD 03/10/14	1,350,000	1,622,138	
	MIDAMERICAN ENERGY CO 5.750% 11/01/2035 DD 11/01/05	1,466,140	1,621,378	
	FIFTH THIRD BANCORP VAR RT 11/01/2027 DD 11/01/21	1,640,000	1,620,812	
	MORGAN STANLEY VAR RT 02/13/2032 DD 11/13/20	1,710,000	1,620,447	
	FIDELITY NATIONAL INFORMATION 3.100% 03/01/2041 DD 03/02/21	1,604,207	1,620,032	
	RAYTHEON TECHNOLOGIES CORP 3.030% 03/15/2052 DD 11/16/21	1,599,408	1,614,144	
	ARROW ELECTRONICS INC 2.950% 02/15/2032 DD 12/01/21	1,586,152	1,607,538	
	WALMART INC 2.650% 09/22/2051 DD 09/22/21	1,559,210	1,606,832	
	BAXTER INTERNATIONAL INC 144A 3.132% 12/01/2051 DD 12/01/21	1,561,417	1,606,175	
	OGLETHORPE POWER CORP 5.050% 10/01/2048 DD 04/01/19	1,588,132	1,601,351	
	GOLDMAN SACHS GROUP INC/THE VAR RT 05/01/2029 DD 04/23/18	1,614,603	1,600,819	
	NATWEST MARKETS PLC 144A 0.800% 08/12/2024 DD 05/12/21	1,621,994	1,598,464	
	TENNESSEE GAS PIPELINE CO LLC 7.000% 10/15/2028 DD 10/09/98	1,613,188	1,595,988	
	BERKSHIRE HATHAWAY ENERGY CO 2.850% 05/15/2051 DD 10/29/20	1,647,971	1,594,379	
	AMAZON.COM INC 2.875% 05/12/2041 DD 05/12/21	1,524,232	1,592,485	
	AMERICAN HONDA FINANCE CORP 0.750% 08/09/2024 DD 09/09/21	1,603,941	1,587,233	
	MITSUBISHI UFJ FINANCIAL GROUP 3.195% 07/18/2029 DD 07/18/19	1,587,735	1,586,025	
	MCDONALD'S CORP 3.625% 09/01/2049 DD 08/12/19	1,490,920	1,583,839	
	DAIMLER TRUCKS FINANCE NO 144A 1.125% 12/14/2023 DD 12/14/21	1,576,429	1,580,632	
	DUKE ENERGY CORP 3.300% 06/15/2041 DD 06/10/21	1,541,168	1,572,455	
	ANTHEM INC 4.650% 08/15/2044 DD 08/12/14	1,417,893	1,571,913	
	VODAFONE GROUP PLC 4.375% 02/19/2043 DD 02/19/13	1,293,087	1,569,613	
	BROADCOM INC 4.300% 11/15/2032 DD 05/08/20	1,522,732	1,569,528	
	VERIZON COMMUNICATIONS INC 2.650% 11/20/2040 DD 11/20/20	1,577,746	1,562,887	
	BANK OF AMERICA CORP VAR RT 07/23/2030 DD 07/23/19	1,475,000	1,556,951	
	GENERAL MOTORS FINANCIAL CO IN 3.850% 01/05/2028 DD 01/05/18	1,576,237	1,554,647	
	BOEING CO/THE 3.250% 02/01/2028 DD 11/02/20	1,558,713	1,553,757	
	AMERICAN INTERNATIONAL GROUP I 4.750% 04/01/2048 DD 03/26/18	1,220,406	1,550,117	
	HOME DEPOT INC/THE 5.875% 12/16/2036 DD 12/19/06	1,524,932	1,546,198	
	FOX CORP 5.476% 01/25/2039 DD 01/25/20	1,270,725	1,544,705	

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, 2021

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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	
	OHIOHEALTH CORP 2.297% 11/15/2031 DD 10/26/21	1,530,000	1,543,158	
	DOMINION ENERGY INC 4.700% 12/01/2044 DD 11/25/14	1,240,418	1,539,567	
	APPLE INC 4.375% 05/13/2045 DD 05/13/15	1,275,612	1,539,566	
	EMERSON ELECTRIC CO 2.000% 12/21/2028 DD 12/21/21	1,536,597	1,538,568	
	TRANSCANADA PIPELINES LTD 7.250% 08/15/2038 DD 08/11/08	1,164,277	1,538,361	
	BRIXMOR OPERATING PARTNERSHIP 2.500% 08/16/2031 DD 08/16/21	1,554,930	1,527,458	
	FOMENTO ECONOMICO MEXICANO SAB 3.500% 01/16/2050 DD 01/16/20	1,432,463	1,520,557	
	PARAMOUNT GLOBAL 5.250% 04/01/2044 DD 03/11/14	1,445,943	1,519,082	
	WALT DISNEY CO/THE 3.600% 01/13/2051 DD 05/13/20	1,424,984	1,509,763	
	WESTERN MIDSTREAM OPERATING LP VAR RT 02/01/2050 DD 01/13/20	1,277,538	1,508,870	
	CITIGROUP INC 4.750% 05/18/2046 DD 05/18/16	1,206,909	1,504,955	
	MEXICO GOVERNMENT INTERNATIONA 4.750% 03/08/2044 DD 03/08/12	1,369,908	1,504,666	
	ACTIVISION BLIZZARD INC 2.500% 09/15/2050 DD 08/10/20	1,532,237	1,503,654	
	MEXICO GOVERNMENT INTERNATIONA 4.280% 08/14/2041 DD 04/14/21	1,449,101	1,502,563	
	CVS HEALTH CORP 2.700% 08/21/2040 DD 08/21/20	1,544,289	1,492,346	
	GOLDMAN SACHS GROUP INC/THE VAR RT 11/17/2023 DD 11/19/20	1,497,115	1,491,203	
	HOME DEPOT INC/THE 3.350% 04/15/2050 DD 03/30/20	1,393,789	1,490,995	
	BLACKROCK INC 1.900% 01/28/2031 DD 05/06/20	1,504,624	1,489,706	
	UNITEDHEALTH GROUP INC 4.625% 07/15/2035 DD 07/23/15	1,179,858	1,477,124	
	TELEFONICA EMISIONES SA 4.665% 03/06/2038 DD 03/06/18	1,404,763	1,476,416	
	ERAC USA FINANCE LLC 144A 5.625% 03/15/2042 DD 03/15/12	1,530,902	1,473,387	
	WALT DISNEY CO/THE 3.500% 05/13/2040 DD 05/13/20	1,363,129	1,465,990	
	CORPORATE OFFICE PROPERTIES LP 2.900% 12/01/2033 DD 11/17/21	1,487,914	1,462,155	
	COMCAST CORP 7.050% 03/15/2033 DD 03/14/03	1,240,949	1,462,138	
	METLIFE INC 6.500% 12/15/2032 DD 12/10/02	1,138,780	1,457,254	
	HSBC HOLDINGS PLC VAR RT 08/17/2024 DD 08/17/21	1,470,000	1,457,123	
	MEXICO GOVERNMENT INTERNATIONA 5.000% 04/27/2051 DD 04/27/20	1,426,529	1,447,214	
	BAT CAPITAL CORP 4.540% 08/15/2047 DD 08/15/18	1,488,667	1,440,387	
	ROYALTY PHARMA PLC 3.350% 09/02/2051 DD 07/26/21	1,463,475	1,440,240	
	INTEL CORP 3.734% 12/08/2047 DD 06/08/18	1,399,379	1,436,726	
	JPMORGAN CHASE & CO VAR RT 05/13/2031 DD 05/13/20	1,385,000	1,435,456	
	PERUVIAN GOVERNMENT INTERNATIO 3.000% 01/15/2034 DD 11/02/21	1,427,976	1,434,240	
	ASSURANT INC 2.650% 01/15/2032 DD 06/14/21	1,457,693	1,433,545	
	HASBRO INC 3.900% 11/19/2029 DD 11/19/19	1,455,994	1,429,097	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 05/07/2041	1,436,995	1,428,610	
	SUNCOR ENERGY INC 5.950% 12/01/2034 DD 12/01/03	1,290,402	1,421,643	
	AMERICA MOVIL SAB DE CV 6.375% 03/01/2035 DD 02/25/05	913,669	1,416,366	
	GOLDMAN SACHS GROUP INC/THE 4.800% 07/08/2044 DD 07/08/14	1,366,384	1,415,350	
	MORGAN STANLEY VAR RT 10/20/2032 DD 10/19/21	1,408,880	1,410,296	
	T-MOBILE USA INC 144A 2.400% 03/15/2029 DD 12/06/21	1,394,079	1,409,759	
	WELLS FARGO & CO VAR RT 04/04/2051 DD 03/30/20	1,025,000	1,404,578	
	VERIZON COMMUNICATIONS INC 4.500% 08/10/2033 DD 08/10/17	1,186,644	1,400,809	
	SYSCO CORP 2.450% 12/14/2031 DD 12/14/21	1,395,363	1,400,315	
	COCA-COLA EUROPACIFIC PAR 144A 0.500% 05/05/2023 DD 05/05/21	1,403,693	1,393,479	
	UNITEDHEALTH GROUP INC 4.250% 06/15/2048 DD 06/19/18	1,303,270	1,392,149	
	CSX CORP 4.100% 03/15/2044 DD 10/22/12	1,290,835	1,391,296	
	*COCA-COLA EUROPACIFIC PAR 144A 0.800% 05/03/2024 DD 05/05/21	1,404,424	1,382,028	
	BROADRIDGE FINANCIAL SOLUTIONS 2.600% 05/01/2031 DD 05/17/21	1,374,409	1,381,669	
	DELL INTERNATIONAL LLC / EMC C 8.100% 07/15/2036 DD 01/15/21	1,297,974	1,375,811	
	BNP PARIBAS SA 144A VAR RT 09/15/2029 DD 09/15/21	1,390,000	1,362,158	
	BOEING CO/THE 5.150% 05/01/2030 DD 05/04/20	1,392,629	1,358,600	
	FEDEX CORP 4.550% 04/01/2046 DD 03/24/16	1,194,749	1,354,778	
	MERCK & CO INC 2.750% 12/10/2051 DD 12/10/21	1,356,682	1,352,792	
	AT&T INC 3.500% 06/01/2041 DD 05/28/20	1,333,432	1,344,881	
	GOLDMAN SACHS GROUP INC/THE 6.750% 10/01/2037 DD 10/03/07	961,341	1,341,207	
	TAKEDA PHARMACEUTICAL CO LTD 3.025% 07/09/2040 DD 07/09/20	1,333,173	1,340,945	
	J M SMUCKER CO/THE 4.250% 03/15/2035 DD 09/15/15	1,135,748	1,333,333	
	SALESFORCE INC 3.050% 07/15/2061 DD 07/12/21	1,285,846	1,333,009	
	EXXON MOBIL CORP 4.327% 03/19/2050 DD 03/19/20	1,099,233	1,330,798	
	NORTHROP GRUMMAN CORP 4.030% 10/15/2047 DD 10/13/17	1,283,513	1,330,425	
	T-MOBILE USA INC 4.500% 04/15/2050 DD 04/15/21	1,160,160	1,328,280	
	BALTIMORE GAS AND ELECTRIC CO 6.350% 10/01/2036 DD 04/01/07	1,156,848	1,326,497	
	GENERAL DYNAMICS CORP 4.250% 04/01/2040 DD 03/25/20	1,194,997	1,322,158	
	DELL INTERNATIONAL LLC / 144A 3.375% 12/15/2041 DD 12/13/21	1,325,584	1,320,251	
	PECO ENERGY CO 3.700% 09/15/2047 DD 09/18/17	1,298,063	1,314,616	

American Electric Power System Retirement Plan

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 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	
	ALTRIA GROUP INC 4.250% 08/09/2042 DD 08/09/12	1,232,416	1,314,251	
	ROYALTY PHARMA PLC 3.550% 09/02/2050 DD 03/02/21	1,291,228	1,313,545	
	PACIFIC LIFE GLOBAL FUNDI 144A 1.600% 09/21/2028 DD 09/21/21	1,352,683	1,312,643	
	WACHOVIA CORP 5.500% 08/01/2035 DD 08/01/05	1,129,875	1,311,900	
	BAXTER INTERNATIONAL INC 144A 1.915% 02/01/2027 DD 12/01/21	1,304,974	1,310,598	
	MCDONALD'S CORP 6.300% 10/15/2037 DD 10/18/07	1,287,622	1,309,654	
	BANK OF MONTREAL VAR RT 01/22/2027 DD 01/22/21	1,320,587	1,306,787	
	BP CAPITAL MARKETS PLC 3.723% 11/28/2028 DD 11/28/16	1,188,000	1,305,624	
	ATHENE GLOBAL FUNDING 144A 1.985% 08/19/2028 DD 08/19/21	1,337,108	1,303,217	
	PHILIP MORRIS INTERNATIONAL IN 3.875% 08/21/2042 DD 08/21/12	1,147,505	1,299,725	
	NARRAGANSETT ELECTRIC CO/ 144A 3.919% 08/01/2028 DD 07/27/18	1,311,309	1,295,264	
	LOCKHEED MARTIN CORP 6.150% 09/01/2036 DD 08/30/06	1,348,511	1,293,159	
	VIATRIS INC 4.000% 06/22/2050 DD 06/22/21	1,201,867	1,287,952	
	NIPPON LIFE INSURANCE CO 144A VAR RT 01/21/2051 DD 01/21/21	1,261,268	1,283,800	
	COMCAST CABLE COMMUNICATIONS H 9.455% 11/15/2022 DD 11/18/02	1,405,965	1,281,856	
	COMCAST CORP 3.900% 03/01/2038 DD 02/08/18	1,086,475	1,278,142	
	NESTLE HOLDINGS INC 144A 4.000% 09/24/2048 DD 09/24/18	1,156,083	1,276,352	
	TEACHERS INSURANCE & ANNU 144A 4.270% 05/15/2047 DD 05/08/17	1,048,634	1,274,877	
	DTE ELECTRIC CO 4.300% 07/01/2044 DD 07/02/14	1,061,671	1,271,477	
	GOLDMAN SACHS GROUP INC/THE 5.150% 05/22/2045 DD 05/22/15	1,116,511	1,271,049	
	UNUM GROUP 4.500% 12/15/2049 DD 09/11/19	1,057,518	1,269,897	
	OTIS WORLDWIDE CORP 3.112% 02/15/2040 DD 08/15/20	1,223,977	1,268,141	
	BPCE SA 144A VAR RT 10/19/2032 DD 10/19/21	1,260,000	1,265,494	
	PPL ELECTRIC UTILITIES CORP 4.125% 06/15/2044 DD 06/05/14	1,074,892	1,264,404	
	HCA INC 3.500% 07/15/2051 DD 06/30/21	1,228,837	1,263,776	
	ISRAEL GOVERNMENT INTERNATIONAL 4.125% 01/17/2048 DD 01/17/18	1,027,740	1,260,596	
	AMAZON.COM INC 3.875% 08/22/2037 DD 02/22/18	1,247,027	1,259,230	
	MCDONALD'S CORP 4.600% 05/26/2045 DD 05/26/15	1,052,460	1,257,844	
	TECK RESOURCES LTD 6.250% 07/15/2041 DD 07/05/11	1,014,735	1,256,378	
	INTEL CORP 4.750% 03/25/2050 DD 03/25/20	938,957	1,256,188	
	SOUTHERN CALIFORNIA EDISON CO 4.500% 09/01/2040 DD 08/30/10	1,119,188	1,249,821	
	CREDIT SUISSE GROUP AG 4.875% 05/15/2045 DD 11/15/15	1,121,123	1,244,629	
	HUMANA INC 0.650% 08/03/2023 DD 08/03/21	1,249,163	1,243,625	
	CITIGROUP INC VAR RT 05/01/2032 DD 05/04/21	1,235,000	1,242,818	
	BIOGEN INC 3.150% 05/01/2050 DD 04/30/20	1,262,710	1,242,753	
	ALCON FINANCE CORP 144A 3.800% 09/23/2049 DD 09/23/19	1,144,543	1,240,425	
	BANK OF AMERICA CORP VAR RT 02/13/2031 DD 02/13/20	1,245,584	1,239,397	
	DUKE ENERGY INDIANA LLC 3.250% 10/01/2049 DD 09/27/19	1,166,313	1,238,942	
	VMWARE INC 2.200% 08/15/2031 DD 08/02/21	1,257,518	1,237,093	
	UNITED PARCEL SERVICE INC 3.750% 11/15/2047 DD 11/14/17	1,032,402	1,235,003	
	PERUVIAN GOVERNMENT INTERNATIO 2.780% 12/01/2060 DD 12/01/20	1,388,581	1,228,514	
	PANASONIC HOLDINGS CORP 144A 2.679% 07/19/2024 DD 07/19/19	1,247,764	1,228,306	
	REYNOLDS AMERICAN INC 5.700% 08/15/2035 DD 06/12/15	1,090,022	1,223,743	
	UNICREDIT SPA 144A VAR RT 06/03/2032 DD 06/03/21	1,230,000	1,217,159	
	ROYAL BANK OF CANADA 2.300% 11/03/2031 DD 10/29/21	1,208,596	1,217,103	
	AON CORP / AON GLOBAL HOLDINGS 2.050% 08/23/2031 DD 08/23/21	1,209,767	1,211,783	
	NORTHERN NATURAL GAS CO 144A 4.100% 09/15/2042 DD 08/27/12	967,330	1,208,650	
	FEDEX CORP 4.400% 01/15/2047 DD 01/06/17	1,202,611	1,205,161	
	CARGILL INC 144A 2.125% 11/10/2031 DD 11/10/21	1,214,547	1,204,323	
	MITSUBISHI UFJ FINANCIAL GROUP VAR RT 07/19/2025 DD 07/20/21	1,215,000	1,200,335	
	APPLE INC 2.850% 08/05/2061 DD 08/05/21	1,188,584	1,198,104	
	LOCKHEED MARTIN CORP 3.600% 03/01/2035 DD 02/20/15	1,080,412	1,192,950	
	KOHL'S CORP 3.375% 05/01/2031 DD 03/31/21	1,168,393	1,192,838	
	NVIDIA CORP 3.500% 04/01/2050 DD 03/31/20	1,037,317	1,190,051	
	ORACLE CORP 2.950% 04/01/2030 DD 04/01/20	1,184,953	1,184,450	
	CHARTER COMMUNICATIONS OPERATI 3.700% 04/01/2051 DD 04/17/20	1,221,527	1,183,742	
	SIMON PROPERTY GROUP LP 3.250% 09/13/2049 DD 09/13/19	1,145,014	1,181,775	
	ASTRAZENCA PLC 4.000% 09/18/2042 DD 09/18/12	965,679	1,181,149	
	BOSTON SCIENTIFIC CORP 4.550% 03/01/2039 DD 02/25/19	1,163,475	1,181,005	
	MEDTRONIC INC 4.375% 03/15/2035 DD 03/15/15	971,338	1,177,696	
	DOMINION ENERGY INC VAR RT 12/31/2049 DD 12/09/21	1,140,000	1,177,050	
	INTERNATIONAL FLAVORS & F 144A 3.268% 11/15/2040 DD 09/16/20	1,154,931	1,176,021	
	AMERICAN WATER CAPITAL CORP 3.750% 09/01/2047 DD 08/10/17	1,144,897	1,174,961	
	SYNCHRONY FINANCIAL 4.500% 07/23/2025 DD 07/23/15	1,194,531	1,172,766	
	EXELON CORP 5.100% 06/15/2045 DD 12/15/15	901,959	1,167,794	

American Electric Power System Retirement Plan

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	EVERGY METRO INC 4.200% 03/15/2048 DD 03/01/18	1,093,357	1,167,710	
	AETNA INC 4.125% 11/15/2042 DD 11/07/12	1,006,310	1,167,233	
	UBS AG/LONDON 144A 0.700% 08/09/2024 DD 08/09/21	1,179,516	1,166,536	
	BRIGHTHOUSE FINANCIAL INC 4.700% 06/22/2047 DD 12/22/17	1,048,495	1,163,609	
	VERIZON COMMUNICATIONS INC 3.850% 11/01/2042 DD 11/07/12	881,430	1,160,163	
	SOUTHERN POWER CO 5.150% 09/15/2041 DD 09/22/11	1,140,901	1,158,826	
	CISCO SYSTEMS INC 5.500% 01/15/2040 DD 11/17/09	915,959	1,158,556	
	WILLIAMS COS INC/THE 6.300% 04/15/2040 DD 02/09/10	1,052,572	1,157,794	
	DEUTSCHE BANK AG/NEW YORK NY VAR RT 11/16/2027 DD 11/16/21	1,155,000	1,154,838	
	NORTHWELL HEALTHCARE INC 6.150% 11/01/2043 DD 09/17/13	976,891	1,152,914	
	COMMONSPIRIT HEALTH 4.187% 10/01/2049 DD 08/21/19	1,139,134	1,150,086	
	DEUTSCHE BANK AG/NEW YORK NY VAR RT 04/01/2025 DD 04/01/21	1,150,000	1,143,066	
	ANTHEM INC 4.375% 12/01/2047 DD 11/21/17	934,991	1,142,888	
	AERCAP IRELAND CAPITAL DAC / A 3.400% 10/29/2033 DD 10/29/21	1,115,933	1,136,687	
	CORP NACIONAL DEL COBRE D 144A 3.700% 01/30/2050 DD 09/30/19	1,084,981	1,135,685	
	WHIRLPOOL CORP 4.600% 05/15/2050 DD 05/07/20	969,926	1,135,533	
	ATMOS ENERGY CORP 4.125% 10/15/2044 DD 10/15/14	970,173	1,134,703	
	BANK OF AMERICA CORP 4.000% 01/22/2025 DD 01/22/15	1,151,690	1,132,419	
	ASSURANT INC 3.700% 02/22/2030 DD 08/22/19	1,149,071	1,130,529	
	DISCOVERY COMMUNICATIONS LLC 4.000% 09/15/2055 DD 03/15/21	935,249	1,129,773	
	CONAGRA BRANDS INC 5.400% 11/01/2048 DD 10/22/18	1,026,682	1,128,169	
	PHILIPPINE GOVERNMENT INTERNAT 2.950% 05/05/2045 DD 05/05/20	1,194,170	1,127,791	
	TIME WARNER CABLE LLC 6.750% 06/15/2039 DD 06/29/09	1,019,783	1,126,538	
	CHEVRON CORP 2.978% 05/11/2040 DD 05/11/20	1,095,000	1,125,211	
	NORTHROP GRUMMAN CORP 5.150% 05/01/2040 DD 03/23/20	1,171,850	1,125,002	
	SEMPRA ENERGY 4.000% 02/01/2048 DD 01/12/18	998,199	1,121,781	
	PACIFIC LIFE GLOBAL FUNDI 144A 1.200% 06/24/2025 DD 06/24/20	1,144,477	1,121,369	
	PHILIP MORRIS INTERNATIONAL IN 4.375% 11/15/2041 DD 11/15/11	1,204,861	1,115,505	
	SUNCOR ENERGY INC 4.000% 11/15/2047 DD 11/15/17	1,090,798	1,115,150	
	AT&T INC 3.650% 09/15/2059 DD 03/15/21	1,050,165	1,114,518	
	ABBVIE INC 4.450% 05/14/2046 DD 05/12/16	923,004	1,111,291	
	FEDEX CORP 3.250% 05/15/2041 DD 04/29/21	1,075,723	1,106,341	
	ZOETIS INC 3.950% 09/12/2047 DD 09/12/17	856,321	1,106,255	
	BAT CAPITAL CORP 3.984% 09/25/2050 DD 09/25/20	1,145,000	1,104,421	
	CONSOLIDATED EDISON CO OF NEW 3.350% 04/01/2030 DD 03/31/20	1,022,663	1,103,361	
	AMERICAN INTERNATIONAL GROUP I 4.375% 06/30/2050 DD 05/11/20	936,192	1,100,862	
	RAYTHEON TECHNOLOGIES CORP 2.820% 09/01/2051 DD 08/10/21	1,133,842	1,096,070	
	CONOCO FUNDING CO 7.250% 10/15/2031 DD 10/11/01	946,469	1,093,944	
	BARCLAYS PLC VAR RT 11/24/2042 DD 11/24/21	1,070,000	1,091,989	
	DOW CHEMICAL CO/THE 4.375% 11/15/2042 DD 11/14/12	1,015,504	1,091,925	
	PANAMA GOVERNMENT INTERNATIONA 4.300% 04/29/2053 DD 04/29/13	1,002,414	1,089,613	
	PECO ENERGY CO 3.000% 09/15/2049 DD 09/10/19	1,063,018	1,089,351	
	QATAR GOVERNMENT INTERNAT 144A 4.817% 03/14/2049	1,054,541	1,087,831	
	CAPITAL ONE FINANCIAL CORP VAR RT 11/02/2027 DD 11/02/21	1,090,000	1,085,084	
	PANAMA GOVERNMENT INTERNATIONA 3.870% 07/23/2060	1,192,223	1,080,000	
	MORGAN STANLEY VAR RT 03/24/2051 DD 03/24/20	720,000	1,079,186	
	WASTE MANAGEMENT INC 2.950% 06/01/2041 DD 05/12/21	1,024,726	1,077,246	
	NEW YORK LIFE INSURANCE C 144A 3.750% 05/15/2050 DD 04/14/20	935,250	1,074,885	
	AMERICAN FINANCIAL GROUP INC/O 4.500% 06/15/2047 DD 06/02/17	923,413	1,073,362	
	BOEING CO/THE 3.750% 02/01/2050 DD 07/31/19	1,011,553	1,071,202	
	APTIV PLC 3.100% 12/01/2051 DD 11/23/21	1,095,517	1,071,034	
	BURLINGTON NORTHERN SANTA FE L 5.400% 06/01/2041 DD 05/19/11	858,588	1,069,273	
	BURLINGTON NORTHERN SANTA FE L 5.150% 09/01/2043 DD 08/22/13	834,782	1,067,765	
	BURLINGTON NORTHERN SANTA FE L 4.150% 04/01/2045 DD 03/09/15	882,106	1,067,071	
	NSTAR ELECTRIC CO 4.400% 03/01/2044 DD 03/07/14	859,023	1,061,130	
	VIRGINIA ELECTRIC AND POWER CO 4.450% 02/15/2044 DD 02/07/14	1,046,633	1,058,959	
	MICROSOFT CORP 3.450% 08/08/2036 DD 08/08/16	911,459	1,055,407	
	TSMC ARIZONA CORP 3.125% 10/25/2041 DD 10/25/21	998,870	1,055,147	
	ALPHABET INC 2.250% 08/15/2060 DD 08/05/20	1,163,332	1,052,412	
	DOMINION ENERGY INC 3.300% 04/15/2041 DD 04/05/21	1,009,111	1,051,986	
	NATWEST GROUP PLC VAR RT 11/01/2029 DD 11/01/19	1,007,480	1,048,145	
	NVIDIA CORP 3.500% 04/01/2040 DD 03/31/20	928,140	1,047,933	
	CENOVUS ENERGY INC 3.750% 02/15/2052 DD 09/13/21	1,032,554	1,046,354	
	WELLS FARGO & CO VAR RT 10/30/2030 DD 10/31/19	1,002,920	1,045,793	
	PLAINS ALL AMERICAN PIPELINE L 4.900% 02/15/2045 DD 12/09/14	931,631	1,042,649	

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	
	MARATHON PETROLEUM CORP 4.750% 09/15/2044 DD 09/05/14	819,556	1,042,090	
	DUKE REALTY LP 3.050% 03/01/2050 DD 02/21/20	1,028,937	1,040,828	
	DISCOVERY COMMUNICATIONS LLC 5.300% 05/15/2049 DD 05/21/19	889,510	1,037,464	
	BERKSHIRE HATHAWAY ENERGY CO 5.950% 05/15/2037 DD 05/11/07	965,295	1,037,205	
	BROADCOM INC 144A 3.469% 04/15/2034 DD 03/31/21	1,017,221	1,036,886	
	NIKE INC 3.250% 03/27/2040 DD 03/27/20	944,053	1,036,241	
	CROWN CASTLE INTERNATIONAL COR 2.900% 04/01/2041 DD 02/16/21	1,055,315	1,035,164	
	3M CO 3.250% 08/26/2049 DD 08/26/19	934,474	1,033,027	
	LXP INDUSTRIAL TRUST 2.375% 10/01/2031 DD 08/30/21	1,072,399	1,032,355	
	INDONESIA GOVERNMENT INTERNATI 4.450% 04/15/2070 DD 04/15/20	900,370	1,032,220	
	SOUTHWESTERN PUBLIC SERVICE CO 4.400% 11/15/2048 DD 11/05/18	814,711	1,029,592	
	HSBC HOLDINGS PLC 7.625% 05/17/2032 DD 05/17/05	957,684	1,029,388	
	DUKE ENERGY OHIO INC 3.700% 06/15/2046 DD 06/23/16	1,024,572	1,028,766	
	JPMORGAN CHASE & CO VAR RT 04/22/2052 DD 04/22/21	955,000	1,025,871	
	NORTHWESTERN MUTUAL LIFE 144A 3.850% 09/30/2047 DD 09/26/17	900,079	1,020,252	
	NATIONWIDE MUTUAL INSURAN 144A 4.350% 04/30/2050 DD 04/30/20	886,011	1,017,192	
	CANADIAN PACIFIC RAILWAY CO 3.000% 12/02/2041 DD 12/02/21	984,832	1,015,295	
	ENBRIDGE INC 4.500% 06/10/2044 DD 06/04/14	837,043	1,013,140	
	PUBLIC SERVICE ELECTRIC AND GA 2.700% 05/01/2050 DD 05/08/20	1,040,736	1,013,044	
	SALESFORCE INC 2.900% 07/15/2051 DD 07/12/21	987,238	1,011,602	
	MORGAN STANLEY 3.750% 02/25/2023 DD 02/25/13	1,018,232	1,008,501	
	CITIGROUP INC 8.125% 07/15/2039 DD 07/23/09	1,031,040	1,008,233	
	BECTON DICKINSON AND CO 4.669% 06/06/2047 DD 06/06/17	983,216	1,005,635	
	CLECO CORPORATE HOLDINGS LLC VAR RT 05/01/2046 DD 11/01/16	945,364	1,005,479	
	ABBVIE INC 4.400% 11/06/2042 DD 05/06/13	829,024	1,005,136	
	BAYER US FINANCE II LLC 144A 4.700% 07/15/2064 DD 07/15/18	880,325	1,001,166	
	AIR PRODUCTS AND CHEMICALS INC 2.700% 05/15/2040 DD 04/30/20	987,248	1,001,128	
	MARKEL CORP 5.000% 04/05/2046 DD 04/05/16	775,823	996,488	
	ORACLE CORP 4.100% 03/25/2061 DD 03/24/21	948,138	994,270	
	PACIFIC LIFE INSURANCE CO 144A VAR RT 10/24/2067 DD 10/24/17	880,898	991,843	
	HESS CORP 5.600% 02/15/2041 DD 08/10/10	861,126	990,096	
	REXFORD INDUSTRIAL REALTY LP 2.150% 09/01/2031 DD 08/09/21	1,034,696	987,859	
	FIFTH THIRD BANCORP 8.250% 03/01/2038 DD 03/04/08	766,436	987,701	
	DIGITAL REALTY TRUST LP 3.600% 07/01/2029 DD 06/14/19	999,681	985,821	
	DIAMONDBACK ENERGY INC 4.400% 03/24/2051 DD 03/24/21	852,170	983,455	
	US BANCORP VAR RT 11/03/2036 DD 11/03/21	985,000	982,380	
	BAT CAPITAL CORP 3.734% 09/25/2040 DD 09/25/20	1,020,000	982,321	
	MIZUHO FINANCIAL GROUP INC 2.564% 09/13/2031 DD 09/13/21	1,005,000	980,669	
	TIME WARNER CABLE LLC 4.500% 09/15/2042 DD 08/10/12	832,218	979,453	
	MICROSOFT CORP 2.675% 06/01/2060 DD 06/01/20	992,209	976,336	
	MORGAN STANLEY VAR RT 04/28/2026 DD 04/28/20	992,856	974,148	
	GENERAL MOTORS CO 5.950% 04/01/2049 DD 09/10/18	759,157	972,141	
	VALE OVERSEAS LTD 3.750% 07/08/2030 DD 07/08/20	975,590	967,734	
	EASTERN GAS TRANSMISSION 144A 4.600% 12/15/2044 DD 06/15/21	1,001,825	964,951	
	PROTECTIVE LIFE GLOBAL FU 144A 1.900% 07/06/2028 DD 07/06/21	985,000	962,296	
	ALIBABA GROUP HOLDING LTD 4.000% 12/06/2037 DD 12/06/17	969,805	956,094	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.375% 04/15/2038 DD 04/04/18	815,878	954,283	
	HSBC HOLDINGS PLC VAR RT 11/22/2027 DD 11/22/21	950,000	953,363	
	KAISER FOUNDATION HOSPITALS 2.810% 06/01/2041 DD 06/15/21	945,000	952,853	
	TENCENT HOLDINGS LTD 144A 3.925% 01/19/2038	977,716	952,269	
	QUANTA SERVICES INC 3.050% 10/01/2041 DD 09/23/21	974,904	950,208	
	NATIONAL RURAL UTILITIES COOPE 2.300% 09/15/2022 DD 08/30/17	962,086	950,086	
	ENTERGY LOUISIANA LLC 3.050% 06/01/2031 DD 05/19/16	904,739	949,779	
	PEPSICO INC 3.625% 03/19/2050 DD 03/19/20	795,792	948,560	
	ONE GAS INC 4.658% 02/01/2044 DD 08/01/14	769,992	947,947	
	MASTERCARD INC 3.650% 06/01/2049 DD 05/31/19	868,479	946,647	
	DUKE ENERGY CORP VAR RT 01/15/2082 DD 09/28/21	970,000	946,303	
	PPL CAPITAL FUNDING INC VAR RT 03/30/2067 DD 03/20/07	947,881	943,444	
	RAYTHEON TECHNOLOGIES CORP 4.200% 12/15/2044 DD 06/15/20	1,032,022	942,548	
	PETROLEOS MEXICANOS 7.690% 01/23/2050 DD 07/23/20	1,028,041	940,875	
	BOEING CO/THE 3.500% 03/01/2039 DD 02/15/19	968,464	940,771	
	ENERGY TRANSFER LP 5.000% 05/15/2050 DD 01/22/20	839,831	939,722	
	EQUINOR ASA 3.000% 04/06/2027 DD 04/06/20	885,603	939,413	
	BP CAPITAL MARKETS AMERICA INC 3.000% 02/24/2050 DD 02/24/20	911,312	937,374	
	ITC HOLDINGS CORP 3.650% 06/15/2024 DD 06/04/14	955,523	936,453	

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	
	ALTRIA GROUP INC 3.875% 09/16/2046 DD 09/16/16	900,575	936,397	
	W R BERKLEY CORP 3.550% 03/30/2052 DD 03/16/21	851,477	934,378	
	KOREA DEVELOPMENT BANK/THE 0.400% 03/09/2024 DD 03/09/21	943,365	933,273	
	GOLDMAN SACHS GROUP INC/THE VAR RT 07/21/2042 DD 07/21/21	935,000	932,307	
	NEWCREST FINANCE PTY LTD 144A 4.200% 05/13/2050 DD 05/13/20	850,827	931,996	
	AMERICAN INTERNATIONAL GROUP I 4.800% 07/10/2045 DD 07/10/15	728,215	930,550	
	SOUTHWESTERN PUBLIC SERVICE CO 3.400% 08/15/2046 DD 08/12/16	866,064	930,257	
	PANASONIC HOLDINGS CORP 144A 2.536% 07/19/2022 DD 07/19/19	938,407	927,296	
	QATAR ENERGY 144A 3.300% 07/12/2051 DD 07/12/21	900,000	926,433	
	PETROLEOS MEXICANOS 6.950% 01/28/2060 DD 07/28/20	1,050,223	925,523	
	UNIVERSAL HEALTH SERVICES 144A 2.650% 01/15/2032 DD 08/24/21	937,556	924,810	
	VERIZON COMMUNICATIONS INC 3.400% 03/22/2041 DD 03/22/21	879,490	923,850	
	PUBLIC STORAGE VAR RT 04/23/2024 DD 04/23/21	925,000	923,825	
	VODAFONE GROUP PLC 7.875% 02/15/2030 DD 08/15/00	838,165	920,630	
	PRUDENTIAL FINANCIAL INC 4.600% 05/15/2044 DD 05/15/14	766,085	920,508	
	VERIZON COMMUNICATIONS INC 2.875% 11/20/2050 DD 11/20/20	925,899	920,250	
	MPLX LP 4.700% 04/15/2048 DD 02/08/18	811,882	919,111	
	STRYKER CORP 4.375% 05/15/2044 DD 05/01/14	751,610	919,092	
	DOMINION ENERGY SOUTH CAROLINA 5.100% 06/01/2065 DD 05/22/15	851,078	918,989	
	MARSH & MCLENNAN COS INC 2.375% 12/15/2031 DD 12/08/21	903,878	914,674	
	INVITATION HOMES OPERATING PAR 2.000% 08/15/2031 DD 08/06/21	949,521	908,818	
	NISOURCE INC 4.375% 05/15/2047 DD 05/22/17	849,310	906,065	
	HOME DEPOT INC/THE 4.500% 12/06/2048 DD 12/06/18	700,510	905,564	
	MEDTRONIC INC 4.625% 03/15/2045 DD 03/15/15	879,996	905,208	
	CAPITAL ONE FINANCIAL CORP VAR RT 07/29/2032 DD 07/29/21	955,000	905,159	
	MONONGAHELA POWER CO 144A 4.100% 04/15/2024 DD 11/27/13	899,277	904,849	
	STATE STREET CORP VAR RT 11/18/2027 DD 11/18/21	900,000	901,827	
	ONCOR ELECTRIC DELIVERY CO LLC 3.750% 04/01/2045 DD 10/01/15	903,291	901,588	
	PIEDMONT HEALTHCARE INC 2.044% 01/01/2032 DD 09/15/21	916,444	900,765	
	TORONTO-DOMINION BANK/THE 0.550% 03/04/2024 DD 03/04/21	909,190	900,263	
	HUNGARY GOVERNMENT INTERN 144A 3.125% 09/21/2051	880,742	900,128	
	DENTSPLY SIRONA INC 3.250% 06/01/2030 DD 05/26/20	933,056	898,714	
	SOUTHERN CO GAS CAPITAL CORP 4.400% 05/30/2047 DD 05/09/17	944,570	896,935	
	NORTHWESTERN UNIVERSITY 2.640% 12/01/2050 DD 05/28/20	875,000	895,598	
	COMMONWEALTH EDISON CO 3.650% 06/15/2046 DD 06/27/16	888,720	894,347	
	TRANE TECHNOLOGIES LUXEMBOURG 4.500% 03/21/2049 DD 03/21/19	843,160	893,837	
	MARSH & MCLENNAN COS INC 4.750% 03/15/2039 DD 01/15/19	879,071	893,736	
	PHILIP MORRIS INTERNATIONAL IN 6.375% 05/16/2038 DD 05/16/08	815,450	891,613	
	CHARTER COMMUNICATIONS OPERATI 5.125% 07/01/2049 DD 07/10/19	771,218	891,364	
	GOLDMAN SACHS GROUP INC/THE VAR RT 07/24/2023 DD 07/24/17	911,689	889,935	
	UNITEDHEALTH GROUP INC 4.200% 01/15/2047 DD 12/20/16	724,547	889,001	
	MPLX LP 2.650% 08/15/2030 DD 08/18/20	894,107	886,867	
	DOMINION ENERGY INC 5.950% 06/15/2035 DD 06/20/05	602,494	882,876	
	GE CAPITAL FUNDING LLC 4.550% 05/15/2032 DD 11/15/20	876,822	882,229	
	SES GLOBAL AMERICAS HOLDI 144A 5.300% 03/25/2044 DD 03/25/14	718,296	881,565	
	VF CORP 2.050% 04/23/2022 DD 04/23/20	889,624	881,455	
	QATAR ENERGY 144A 3.125% 07/12/2041 DD 07/12/21	866,790	879,239	
	INTEL CORP 3.100% 02/15/2060 DD 02/13/20	869,234	878,325	
	BP CAPITAL MARKETS AMERICA INC 3.379% 02/08/2061 DD 02/08/21	838,788	877,149	
	COMCAST CORP 3.999% 11/01/2049 DD 10/19/17	772,134	875,664	
	PPL ELECTRIC UTILITIES CORP 3.950% 06/01/2047 DD 05/11/17	739,455	875,424	
	BANK OF AMERICA CORP VAR RT 06/14/2029 DD 06/14/21	880,000	874,562	
	EASTERN GAS TRANSMISSION 144A 4.800% 11/01/2043 DD 05/01/21	905,710	874,196	
	GRUPO BIMBO SAB DE CV 144A 4.700% 11/10/2047 DD 11/10/17	859,924	872,144	
	ENERGY TRANSFER LP 5.300% 04/01/2044 DD 04/03/14	759,981	871,529	
	CITIGROUP INC 5.875% 01/30/2042 DD 01/26/12	652,620	871,443	
	MPLX LP 5.200% 12/01/2047 DD 12/01/19	766,370	870,891	
	GILEAD SCIENCES INC 4.000% 09/01/2036 DD 09/20/16	751,691	870,867	
	HOME DEPOT INC/THE 4.250% 04/01/2046 DD 06/02/15	871,954	867,714	
	VERIZON COMMUNICATIONS INC 3.550% 03/22/2051 DD 03/22/21	787,885	859,339	
	CHILE GOVERNMENT INTERNATIONAL 3.500% 01/25/2050 DD 06/25/19	860,285	858,000	
	SOUTHERN CALIFORNIA EDISON CO 3.650% 02/01/2050 DD 01/09/20	850,794	857,042	
	PRECISION CASTPARTS CORP 4.375% 06/15/2045 DD 06/10/15	688,706	856,495	
	BOSTON PROPERTIES LP 2.900% 03/15/2030 DD 09/03/19	862,252	856,220	
	NBCUNIVERSAL MEDIA LLC 4.450% 01/15/2043 DD 10/05/12	699,626	854,321	

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	HESS CORP 5.800% 04/01/2047 DD 09/28/16	813,026	850,816	
	MORGAN STANLEY VAR RT 07/22/2025 DD 07/23/19	868,552	850,328	
	PANAMA GOVERNMENT INTERNATIONA 4.500% 04/01/2056 DD 04/01/20	798,531	848,163	
	NORTHERN STATES POWER CO/MN 2.600% 06/01/2051 DD 06/15/20	868,344	847,768	
	STRYKER CORP 4.100% 04/01/2043 DD 03/25/13	709,781	847,656	
	ENTERPRISE PRODUCTS OPERATING 5.100% 02/15/2045 DD 02/12/14	683,938	847,133	
	CONSOLIDATED EDISON CO OF NEW 3.700% 11/15/2059 DD 11/08/19	782,977	846,722	
	STARBUCKS CORP 4.450% 08/15/2049 DD 05/13/19	683,794	846,085	
	SYSCO CORP 3.150% 12/14/2051 DD 12/14/21	849,083	844,877	
	BAKER HUGHES HOLDINGS LLC / BA 4.486% 05/01/2030 DD 05/01/20	735,000	843,934	
	HSBC HOLDINGS PLC VAR RT 08/17/2029 DD 08/17/21	860,476	843,755	
	AMAZON.COM INC 4.250% 08/22/2057 DD 02/22/18	649,642	842,147	
	HUNTSMAN INTERNATIONAL LLC 4.500% 05/01/2029 DD 03/13/19	752,401	841,902	
	MITSUBISHI UFJ FINANCIAL GROUP VAR RT 09/15/2024 DD 09/15/20	849,744	840,902	
	GILEAD SCIENCES INC 2.600% 10/01/2040 DD 09/30/20	866,094	840,498	
	UBS GROUP AG 144A VAR RT 08/10/2027 DD 08/10/21	860,000	839,446	
	MOSAIC CO/THE 5.450% 11/15/2033 DD 11/13/13	713,544	839,315	
	BAT CAPITAL CORP 4.390% 08/15/2037 DD 08/15/18	869,197	837,384	
	TOTALENERGIES CAPITAL INTERNAT 3.386% 06/29/2060 DD 06/29/20	785,000	836,245	
	MEMORIAL SLOAN-KETTERING CANCE 2.955% 01/01/2050 DD 06/16/20	815,000	835,791	
	VERIZON COMMUNICATIONS INC 4.272% 01/15/2036 DD 07/15/15	669,819	835,240	
	VISA INC 4.150% 12/14/2035 DD 12/14/15	841,271	832,944	
	MIZUHO FINANCIAL GROUP INC 3.663% 02/28/2027 DD 02/28/17	848,994	830,976	
	TRACTOR SUPPLY CO 1.750% 11/01/2030 DD 10/30/20	879,181	829,528	
	ASTRAZENECA PLC 4.375% 11/16/2045 DD 11/16/15	766,943	828,690	
	WALT DISNEY CO/THE 6.400% 12/15/2035 DD 06/15/19	778,535	827,164	
	JPMORGAN CHASE & CO VAR RT 08/09/2025 DD 08/10/21	840,000	826,862	
	CITIGROUP INC VAR RT 05/01/2025 DD 05/04/21	830,000	823,609	
	NORTHERN NATURAL GAS CO 144A 3.400% 10/16/2051 DD 04/09/21	787,972	819,915	
	DEUTSCHE TELEKOM INTERNAT 144A 4.750% 06/21/2038 DD 06/21/18	669,612	817,966	
	PROCTER & GAMBLE CO/THE 3.550% 03/25/2040 DD 03/25/20	701,496	817,687	
	JPMORGAN CHASE & CO VAR RT 04/22/2042 DD 04/22/21	779,645	816,566	
	BROADCOM INC 144A 3.500% 02/15/2041 DD 01/19/21	792,249	814,652	
	DUKE ENERGY INDIANA LLC 4.900% 07/15/2043 DD 07/11/13	645,065	813,538	
	EXTRA SPACE STORAGE LP 2.550% 06/01/2031 DD 05/11/21	823,754	812,757	
	PFIZER INC 2.550% 05/28/2040 DD 05/28/20	838,757	810,575	
	UNITED PARCEL SERVICE INC 5.300% 04/01/2050 DD 03/24/20	541,828	807,892	
	WELLTOWER INC 6.500% 03/15/2041 DD 03/14/11	733,236	806,639	
	DUKE ENERGY FLORIDA LLC 6.350% 09/15/2037 DD 09/18/07	716,799	806,537	
	COMCAST CORP 4.000% 03/01/2048 DD 02/08/18	682,441	803,302	
	MIZUHO FINANCIAL GROUP INC VAR RT 07/09/2027 DD 07/09/21	815,000	802,253	
	NEW YORK AND PRESBYTERIAN HOSP 4.024% 08/01/2045 DD 02/05/15	646,597	800,957	
	NORDSTROM INC 5.000% 01/15/2044 DD 12/12/13	831,488	797,288	
	PUBLIC SERVICE ENTERPRISE GROU 2.450% 11/15/2031 DD 11/08/21	803,503	796,443	
	NATIONAL RURAL UTILITIES COOPE 4.300% 03/15/2049 DD 01/31/19	770,591	795,903	
	GOLDMAN SACHS GROUP INC/THE 0.481% 01/27/2023 DD 01/27/21	790,000	788,041	
	CONSOLIDATED EDISON CO OF NEW 5.850% 03/15/2036 DD 03/09/06	562,376	787,724	
	CITIGROUP INC VAR RT 01/24/2039 DD 01/24/18	768,218	786,545	
	LUNDIN ENERGY FINANCE BV 144A 3.100% 07/15/2031 DD 06/23/21	778,518	786,427	
	NORTHWESTERN MUTUAL LIFE 144A 3.450% 03/30/2051 DD 03/22/21	727,460	783,064	
	SAUDI GOVERNMENT INTERNAT 144A 3.450% 02/02/2061 DD 02/02/21	775,000	781,929	
	AON GLOBAL LTD 4.600% 06/14/2044 DD 05/28/14	630,743	775,448	
	GILEAD SCIENCES INC 2.800% 10/01/2050 DD 09/30/20	790,357	774,187	
	ENEL FINANCE INTERNATIONAL 144A 4.750% 05/25/2047 DD 05/25/17	668,669	769,019	
	PAYPAL HOLDINGS INC 3.250% 06/01/2050 DD 05/18/20	712,269	768,768	
	GREAT-WEST LIFECO FINANCE 144A 4.150% 06/03/2047 DD 05/26/17	638,964	768,028	
	AMERICAN WATER CAPITAL CORP 2.800% 05/01/2030 DD 04/14/20	736,973	767,750	
	COMCAST CORP 144A 2.887% 11/01/2051 DD 08/19/21	784,747	767,066	
	THERMO FISHER SCIENTIFIC INC 4.100% 08/15/2047 DD 08/14/17	607,774	761,186	
	THERMO FISHER SCIENTIFIC INC 2.800% 10/15/2041 DD 08/23/21	746,310	760,943	
	BRISTOL-MYERS SQUIBB CO 2.550% 11/13/2050 DD 11/13/20	791,470	759,896	
	TEXAS HEALTH RESOURCES 4.330% 11/15/2055 DD 05/05/15	568,907	756,691	
	SOUTHERN CALIFORNIA EDISON CO 4.125% 03/01/2048 DD 03/05/18	653,697	755,271	
	EXXON MOBIL CORP 3.095% 08/16/2049 DD 08/16/19	755,663	752,839	
	NOMURA HOLDINGS INC 2.172% 07/14/2028 DD 07/12/21	765,000	751,169	

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, 2021

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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	
	CIGNA CORP 3.875% 10/15/2047 DD 04/15/20	646,464	751,104	
	KAISER FOUNDATION HOSPITALS 3.002% 06/01/2051 DD 06/15/21	725,000	749,056	
	APPLE INC 4.450% 05/06/2044 DD 05/06/14	581,835	748,818	
	KAISER FOUNDATION HOSPITALS 4.150% 05/01/2047 DD 05/03/17	753,099	748,331	
	JPMORGAN CHASE & CO VAR RT 02/01/2028 DD 02/01/17	787,270	747,408	
	FEDEX CORP 5.250% 05/15/2050 DD 04/07/20	653,527	744,988	
	NISOURCE INC 3.950% 03/30/2048 DD 09/14/17	659,287	743,827	
	UBS GROUP AG 144A VAR RT 01/30/2027 DD 07/30/20	765,891	743,227	
	BURLINGTON NORTHERN SANTA FE L 4.050% 06/15/2048 DD 03/05/18	613,432	742,121	
	MASSACHUSETTS MUTUAL LIFE 144A 3.729% 10/15/2070 DD 10/11/19	625,202	738,381	
	KINDER MORGAN INC 5.300% 12/01/2034 DD 11/26/14	633,821	736,231	
	HERSHEY CO/THE 2.650% 06/01/2050 DD 06/01/20	727,598	735,957	
	ENTERPRISE PRODUCTS OPERATING VAR RT 08/16/2077 DD 08/16/17	752,760	735,552	
	SOUTHERN CO GAS CAPITAL CORP 3.150% 09/30/2051 DD 09/10/21	728,488	728,569	
	SABINE PASS LIQUEFACTION LLC 4.500% 05/15/2030 DD 11/15/20	643,349	728,250	
	WALMART INC 2.500% 09/22/2041 DD 09/22/21	720,000	728,114	
	AMERICAN TRANSMISSION SYS 144A 2.650% 01/15/2032 DD 12/01/21	718,013	727,538	
	NARRAGANSETT ELECTRIC CO/ 144A 5.638% 03/15/2040 DD 03/22/10	564,000	727,222	
	ENTERGY LOUISIANA LLC 2.900% 03/15/2051 DD 03/06/20	763,274	726,733	
	QUALCOMM INC 4.650% 05/20/2035 DD 05/20/15	659,208	724,637	
	BAKER HUGHES HOLDINGS LLC 5.125% 09/15/2040 DD 08/24/10	682,350	723,286	
	PHILLIPS 66 PARTNERS LP 4.900% 10/01/2046 DD 10/14/16	597,488	722,974	
	DEERE & CO 3.100% 04/15/2030 DD 03/30/20	668,734	722,796	
	BANK OF AMERICA CORP 7.750% 05/14/2038 DD 05/14/08	709,288	722,255	
	CONSUMERS ENERGY CO 3.100% 08/15/2050 DD 09/03/19	709,845	721,292	
	DUKE ENERGY FLORIDA PROJECT FI 2.538% 09/01/2031 DD 06/22/16	699,972	720,937	
	T-MOBILE USA INC 144A 3.600% 11/15/2060 DD 05/15/21	726,761	719,474	
	BP CAPITAL MARKETS PLC VAR RT 12/31/2049 DD 06/22/20	670,000	718,575	
	SOUTHERN CALIFORNIA GAS CO 4.125% 06/01/2048 DD 05/15/18	663,555	717,338	
	FISERV INC 4.400% 07/01/2049 DD 06/24/19	688,297	717,270	
	SOUTHERN CALIFORNIA EDISON CO 4.000% 04/01/2047 DD 03/24/17	671,459	716,863	
	WALT DISNEY CO/THE 4.750% 11/15/2046 DD 11/15/19	628,140	716,403	
	CONSTELLATION BRANDS INC 5.250% 11/15/2048 DD 10/29/18	609,075	713,969	
	SOUTHERN NATURAL GAS CO L 144A 4.800% 03/15/2047 DD 03/14/17	595,305	713,146	
	HCA INC 5.500% 06/15/2047 DD 06/22/17	653,238	708,793	
	ENERGY TRANSFER LP 7.500% 07/01/2038 DD 03/28/08	627,820	708,504	
	BALTIMORE GAS AND ELECTRIC CO 2.900% 06/15/2050 DD 06/05/20	703,099	708,225	
	ROGERS COMMUNICATIONS INC 4.350% 05/01/2049 DD 04/30/19	701,527	703,482	
	CONSOLIDATED EDISON CO OF NEW 5.700% 06/15/2040 DD 06/07/10	628,976	701,616	
	DIAMONDBACK ENERGY INC 2.875% 12/01/2024 DD 12/05/19	702,296	700,407	
	MARSH & MCLENNAN COS INC 2.250% 11/15/2030 DD 05/07/20	695,163	699,300	
	JPMORGAN CHASE & CO VAR RT 11/19/2031 DD 11/19/20	687,563	697,412	
	UNITEDHEALTH GROUP INC 6.500% 06/15/2037 DD 12/15/07	589,286	696,159	
	SOUTHERN CALIFORNIA GAS CO 4.300% 01/15/2049 DD 09/24/18	558,748	695,927	
	INTERCONTINENTAL EXCHANGE INC 3.000% 09/15/2060 DD 08/20/20	696,076	695,030	
	SAUDI GOVERNMENT INTERNAT 144A 3.250% 11/17/2051 DD 11/17/21	690,414	694,094	
	INTERNATIONAL BUSINESS MACHINE 2.850% 05/15/2040 DD 05/07/20	712,273	693,960	
	APPLE INC 2.550% 08/20/2060 DD 08/20/20	702,136	693,649	
	SOUTHERN CALIFORNIA GAS CO 3.200% 06/15/2025 DD 06/18/15	698,801	688,878	
	RAYTHEON TECHNOLOGIES CORP 4.800% 12/15/2043 DD 06/15/20	719,755	683,321	
	GOLDMAN SACHS GROUP INC/THE VAR RT 12/09/2026 DD 12/09/20	702,717	682,465	
	MASSACHUSETTS MUTUAL LIFE 144A 4.900% 04/01/2077 DD 03/23/17	696,129	682,380	
	UNITEDHEALTH GROUP INC 3.700% 08/15/2049 DD 07/25/19	632,415	681,403	
	CSX CORP 4.300% 03/01/2048 DD 02/20/18	534,057	681,114	
	SWISS RE TREASURY US CORP 144A 4.250% 12/06/2042 DD 12/06/12	545,407	680,689	
	BRISTOL-MYERS SQUIBB CO 4.350% 11/15/2047 DD 05/15/20	670,416	678,509	
	SOUTHERN CALIFORNIA EDISON CO 5.550% 01/15/2037 DD 12/11/06	577,946	672,916	
	NATIONAL BANK OF CANADA VAR RT 11/15/2024 DD 12/10/20	680,021	672,160	
	SHELL INTERNATIONAL FINANCE BV 3.000% 11/26/2051 DD 11/26/21	656,478	668,192	
	GLAXOSMITHKLINE CAPITAL INC 6.375% 05/15/2038 DD 05/13/08	569,111	667,280	
	FORTINET INC 2.200% 03/15/2031 DD 03/05/21	677,688	666,244	
	KINDER MORGAN ENERGY PARTNERS 5.800% 03/15/2035 DD 03/15/05	631,209	665,818	
	CUBESMART LP 2.250% 12/15/2028 DD 11/30/21	661,775	665,692	
	CATERPILLAR INC 3.250% 04/09/2050 DD 04/09/20	597,606	665,442	
	HALLIBURTON CO 4.850% 11/15/2035 DD 11/13/15	594,544	664,954	

American Electric Power System Retirement Plan

Schedule H (Form 5500), Line 4i - Schedule of Assets (Held at End of Year)
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December 31, 2021

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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	
	SALESFORCE INC 2.700% 07/15/2041 DD 07/12/21	656,357	661,109	
	COLUMBIA PIPELINE GROUP INC 5.800% 06/01/2045 DD 12/01/15	526,357	660,243	
	CK HUTCHISON INTERNATIONAL 144A 3.375% 09/06/2049 DD 09/06/19	598,012	659,547	
	AT&T INC 2.550% 12/01/2033 DD 06/01/21	671,567	655,232	
	PHILIP MORRIS INTERNATIONAL IN 4.875% 11/15/2043 DD 11/12/13	562,876	654,188	
	GLP CAPITAL LP / GLP FINANCING 5.300% 01/15/2029 DD 09/26/18	581,889	652,740	
	TRAVELERS COS INC/THE 6.750% 06/20/2036 DD 06/20/06	539,412	651,791	
	MORGAN STANLEY VAR RT 04/22/2042 DD 04/22/21	626,224	651,403	
	SUMITOMO MITSUI FINANCIAL GROU 3.010% 10/19/2026 DD 10/19/16	671,179	649,673	
	APPLE INC 4.500% 02/23/2036 DD 02/23/16	514,570	649,590	
	EXELON CORP 4.700% 04/15/2050 DD 04/01/20	632,335	648,740	
	COLOMBIA GOVERNMENT INTERNATIO 5.200% 05/15/2049	854,868	648,417	
	BAKER HUGHES HOLDINGS LLC / BA 4.080% 12/15/2047 DD 12/11/17	562,263	647,651	
	RIO TINTO FINANCE USA PLC 4.125% 08/21/2042 DD 08/21/12	642,687	647,465	
	SOUTHERN CALIFORNIA EDISON CO 3.900% 03/15/2043 DD 03/07/13	645,920	646,297	
	BANK OF AMERICA CORP 4.250% 10/22/2026 DD 10/22/14	657,528	645,875	
	BECTON DICKINSON AND CO 4.685% 12/15/2044 DD 12/15/14	508,528	645,652	
	ORACLE CORP 3.850% 04/01/2060 DD 04/01/20	647,498	644,462	
	GOLDMAN SACHS GROUP INC/THE 3.800% 03/15/2030 DD 03/19/20	577,367	641,283	
	BARCLAYS PLC 4.950% 01/10/2047 DD 01/10/17	531,803	639,075	
	CHILE GOVERNMENT INTERNATIONAL 3.250% 09/21/2071	663,911	638,250	
	ATMOS ENERGY CORP 2.850% 02/15/2052 DD 10/01/21	645,821	634,231	
	ENI SPA 144A 4.250% 05/09/2029 DD 05/09/19	558,555	630,398	
	SAN DIEGO GAS & ELECTRIC CO 2.950% 08/15/2051 DD 08/13/21	626,018	628,223	
	VALERO ENERGY CORP 6.625% 06/15/2037 DD 06/08/07	598,925	627,741	
	PUBLIC SERVICE CO OF COLORADO 3.950% 03/15/2043 DD 03/26/13	551,243	625,896	
	ENERGY TRANSFER LP 6.000% 06/15/2048 DD 06/08/18	556,060	623,005	
	BROADCOM INC 2.250% 11/15/2023 DD 05/08/20	638,353	622,432	
	WALT DISNEY CO/THE 2.750% 09/01/2049	614,547	621,663	
	MEXICO GOVERNMENT INTERNATIONAL 4.750% 03/08/2044	661,200	620,593	
	WILLIS NORTH AMERICA INC 2.950% 09/15/2029 DD 09/10/19	627,627	619,901	
	UNITEDHEALTH GROUP INC 3.875% 08/15/2059 DD 07/25/19	507,453	615,398	
	GILEAD SCIENCES INC 4.800% 04/01/2044 DD 03/07/14	690,039	613,947	
	OTIS WORLDWIDE CORP 3.362% 02/15/2050 DD 08/15/20	597,779	613,507	
	SHELL INTERNATIONAL FINANCE BV 4.550% 08/12/2043 DD 08/12/13	548,497	611,578	
	PANAMA GOVERNMENT INTERNATIONAL 4.500% 04/16/2050	694,850	611,338	
	AMGEN INC 4.400% 05/01/2045 DD 05/01/15	632,517	610,511	
	PACIFIC GAS AND ELECTRIC CO 4.200% 06/01/2041 DD 03/11/21	603,233	610,427	
	TRUIST FINANCIAL CORP 1.125% 08/03/2027 DD 08/03/20	604,384	609,475	
	PG&E ENERGY RECOVERY FUNDING L 2.822% 07/15/2048 DD 11/12/21	609,972	608,554	
	BARCLAYS PLC VAR RT 12/10/2024 DD 12/10/20	611,857	605,620	
	NORFOLK SOUTHERN CORP 4.100% 05/15/2049 DD 05/08/19	569,792	605,181	
	BOEING CO/THE 3.825% 03/01/2059 DD 02/15/19	638,664	605,016	
	ANGLO AMERICAN CAPITAL PL 144A 5.625% 04/01/2030 DD 04/01/20	585,043	604,819	
	CIGNA CORP 4.800% 08/15/2038 DD 08/15/19	560,315	604,106	
	GENERAL MOTORS CO 5.150% 04/01/2038 DD 08/07/17	521,247	603,965	
	AETNA INC 3.875% 08/15/2047 DD 08/10/17	487,225	603,843	
	SUTTER HEALTH 3.361% 08/15/2050 DD 10/29/20	574,000	603,733	
	ORACLE CORP 3.650% 03/25/2041 DD 03/24/21	604,907	603,217	
	AT&T INC 4.500% 05/15/2035 DD 05/04/15	551,546	602,688	
	GRUPO BIMBO SAB DE CV 144A 4.000% 09/06/2049 DD 09/06/19	551,597	598,573	
	NIKE INC 3.375% 11/01/2046 DD 10/21/16	575,253	597,547	
	DTE ELECTRIC CO 4.050% 05/15/2048 DD 05/07/18	581,680	596,785	
	KINDER MORGAN ENERGY PARTNERS 6.950% 01/15/2038 DD 06/21/07	555,870	596,208	
	LEIDOS INC 4.375% 05/15/2030 DD 05/15/21	530,557	596,054	
	KOREA DEVELOPMENT BANK/THE 2.000% 10/25/2031 DD 10/25/21	592,215	595,458	
	PACIFIC GAS AND ELECTRIC CO 3.950% 12/01/2047 DD 11/29/17	639,773	594,293	
	DUQUESNE LIGHT HOLDINGS I 144A 2.775% 01/07/2032 DD 07/07/21	600,000	593,538	
	PACIFICORP 3.300% 03/15/2051 DD 04/08/20	619,449	592,960	
	TIME WARNER CABLE LLC 7.300% 07/01/2038 DD 06/19/08	482,978	592,862	
	NATIONWIDE MUTUAL INSURAN 144A 4.950% 04/22/2044 DD 04/22/14	533,495	589,891	
	ZOETIS INC 4.450% 08/20/2048 DD 08/20/18	507,030	589,633	
	TRANSCANADA TRUST VAR RT 03/15/2077 DD 03/02/17	598,500	589,238	
	PROVIDENCE ST JOSEPH HEALTH OB 3.930% 10/01/2048 DD 02/06/18	498,000	587,291	
	WELLS FARGO & CO 5.606% 01/15/2044 DD 11/26/13	494,139	586,185	

American Electric Power System Retirement Plan

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	CONSTELLATION BRANDS INC 4.500% 05/09/2047 DD 05/09/17	462,961	586,013	
	STELLANTIS FINANCE US INC 144A 2.691% 09/15/2031 DD 09/15/21	595,000	585,783	
	HERSHEY CO/THE 3.125% 11/15/2049 DD 10/31/19	553,138	584,491	
	SOUTHERN CALIFORNIA EDISON CO 5.950% 02/01/2038 DD 01/22/08	567,971	584,203	
	MEAD JOHNSON NUTRITION CO 4.600% 06/01/2044 DD 05/13/14	491,031	582,606	
	HSBC HOLDINGS PLC VAR RT 08/18/2031 DD 08/18/20	595,000	581,934	
	FOMENTO ECONOMICO MEXICANO SAB 2.875% 05/10/2023 DD 05/10/13	564,032	581,582	
	PHILIPPINE GOVERNMENT INTERNAT 2.950% 05/05/2045	620,238	581,135	
	UNITED PARCEL SERVICE INC 5.200% 04/01/2040 DD 03/24/20	427,932	580,780	
	FORTIVE CORP 4.300% 06/15/2046 DD 06/15/17	524,790	578,712	
	AMGEN INC 4.563% 06/15/2048 DD 12/15/16	538,385	578,432	
	PPL ELECTRIC UTILITIES CORP 4.150% 06/15/2048 DD 06/14/18	476,313	577,909	
	BEST BUY CO INC 1.950% 10/01/2030 DD 10/01/20	595,722	576,264	
	BRIGHTHOUSE FINANCIAL INC 3.850% 12/22/2051 DD 11/22/21	579,571	576,236	
	CONSTELLATION BRANDS INC 3.750% 05/01/2050 DD 04/27/20	521,390	575,516	
	JOHNSON CONTROLS INTERNATIONAL STEP 07/02/2064 DD 07/02/2016	482,956	574,606	
	CHARTER COMMUNICATIONS OPERATI 3.500% 06/01/2041 DD 03/04/21	582,332	571,937	
	OFFICE PROPERTIES INCOME TRUST 2.400% 02/01/2027 DD 08/13/21	589,310	571,468	
	HSBC HOLDINGS PLC VAR RT 05/22/2030 DD 05/22/19	556,967	569,998	
	REGIONS FINANCIAL CORP 7.375% 12/10/2037 DD 12/10/07	462,274	569,837	
	AMFAM HOLDINGS INC 144A 2.805% 03/11/2031 DD 03/11/21	555,000	567,310	
	CIGNA CORP 3.400% 03/15/2051 DD 03/03/21	537,073	566,784	
	APPLE INC 2.950% 09/11/2049 DD 09/11/19	591,940	566,703	
	COMMONWEALTH EDISON CO 3.700% 03/01/2045 DD 03/02/15	566,274	565,070	
	ABBVIE INC 4.750% 03/15/2045 DD 09/15/20	530,542	562,928	
	COMCAST CORP 3.969% 11/01/2047 DD 10/19/17	546,798	561,534	
	HUNTINGTON BANCSHARES INC 144A VAR RT 08/15/2036 DD 08/16/21	563,449	561,161	
	XYLEM INC/NY 4.375% 11/01/2046 DD 10/11/16	464,637	560,926	
	DEERE & CO 3.900% 06/09/2042 DD 06/08/12	434,877	559,620	
	ITC HOLDINGS CORP 5.300% 07/01/2043 DD 07/03/13	425,856	559,613	
	BERKSHIRE HATHAWAY ENERGY CO 6.125% 04/01/2036 DD 10/01/06	478,355	558,822	
	KYNDRYL HOLDINGS INC 144A 4.100% 10/15/2041 DD 10/15/21	572,436	558,124	
	EQUITABLE HOLDINGS INC 5.000% 04/20/2048 DD 10/20/18	485,637	557,585	
	MPLX LP 4.500% 04/15/2038 DD 02/08/18	487,138	553,348	
	DUKE ENERGY INDIANA LLC 2.750% 04/01/2050 DD 03/12/20	564,305	551,706	
	SHERWIN-WILLIAMS CO/THE 4.500% 06/01/2047 DD 05/16/17	493,437	551,391	
	APPLE INC 2.700% 08/05/2051 DD 08/05/21	552,002	551,298	
	HSBC HOLDINGS PLC 6.500% 05/02/2036 DD 05/03/06	556,754	551,011	
	SOUTHERN COPPER CORP 5.875% 04/23/2045 DD 04/23/15	488,962	549,408	
	BANK OF AMERICA CORP VAR RT 03/13/2052 DD 03/11/21	495,000	548,326	
	CENTERPOINT ENERGY INC 2.650% 06/01/2031 DD 05/13/21	538,952	547,933	
	COMCAST CORP 4.049% 11/01/2052 DD 10/19/17	483,854	547,492	
	CITIGROUP INC VAR RT 10/27/2028 DD 10/27/17	573,016	547,449	
	BAE SYSTEMS PLC 144A 3.000% 09/15/2050 DD 09/15/20	551,807	547,198	
	ENERGY TRANSFER LP 6.125% 12/15/2045 DD 06/23/15	484,597	546,331	
	SAN DIEGO GAS & ELECTRIC CO 4.100% 06/15/2049 DD 05/31/19	459,517	545,440	
	NORFOLK SOUTHERN CORP 3.155% 05/15/2055 DD 05/15/20	522,375	545,225	
	ENEL FINANCE INTERNATIONA 144A 2.875% 07/12/2041 DD 07/12/21	558,045	543,287	
	BP CAPITAL MARKETS AMERICA INC 3.060% 06/17/2041 DD 06/17/21	535,000	542,966	
	ALTRIA GROUP INC 3.700% 02/04/2051 DD 02/04/21	575,737	542,549	
	TSMC ARIZONA CORP 3.250% 10/25/2051 DD 10/25/21	505,129	541,404	
	GLENORE FINANCE CANADA L 144A 6.900% 11/15/2037 DD 11/20/07	431,486	538,034	
	ALTRIA GROUP INC 4.450% 05/06/2050 DD 05/06/20	524,243	537,155	
	EQUINOR ASA 4.250% 11/23/2041 DD 11/23/11	531,537	536,216	
	UNION PACIFIC CORP 3.799% 10/01/2051 DD 10/04/16	485,926	531,399	
	BRISTOL-MYERS SQUIBB CO 2.350% 11/13/2040 DD 11/13/20	552,309	527,877	
	METLIFE INC VAR RT 12/15/2044 DD 09/15/14	437,481	527,488	
	STARBUCKS CORP 4.500% 11/15/2048 DD 08/10/18	493,250	527,340	
	DOW CHEMICAL CO/THE 4.250% 10/01/2034 DD 09/16/14	445,220	527,045	
	ENTERPRISE PRODUCTS OPERATING 7.550% 04/15/2038 DD 10/15/09	403,589	526,930	
	MASSACHUSETTS INSTITUTE OF TEC 2.989% 07/01/2050 DD 12/20/19	480,111	526,469	
	CHARTER COMMUNICATIONS OPERATI 3.500% 03/01/2042 DD 10/12/21	535,966	525,220	
	PIEDMONT HEALTHCARE INC 2.864% 01/01/2052 DD 09/15/21	535,000	523,990	
	BANK OF AMERICA CORP VAR RT 10/20/2032 DD 10/20/21	520,000	523,120	
	LELAND STANFORD JUNIOR UNIVERS 2.413% 06/01/2050 DD 06/04/20	535,000	521,181	

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	MPLX LP 4.000% 03/15/2028 DD 02/08/18	535,248	520,550	
	NUTRIEN LTD 5.000% 04/01/2049 DD 04/01/19	463,989	517,240	
	ALIMENTATION COUCHE-TARD 144A 3.800% 01/25/2050 DD 01/27/20	450,728	516,769	
	SOUTHERN CALIFORNIA EDISON CO 5.625% 02/01/2036 DD 01/31/06	393,935	515,115	
	JPMORGAN CHASE & CO VAR RT 04/22/2041 DD 04/22/20	504,887	514,067	
	ANHEUSER-BUSCH INBEV WORLDWIDE 8.200% 01/15/2039 DD 01/15/11	403,430	512,590	
	NATIONWIDE FINANCIAL SERV 144A 5.300% 11/18/2044 DD 11/20/14	444,660	510,088	
	MARATHON PETROLEUM CORP 6.500% 03/01/2041 DD 09/01/11	426,114	509,919	
	UNITEDHEALTH GROUP INC 4.250% 04/15/2047 DD 03/13/17	414,212	509,574	
	ENTERGY LOUISIANA LLC 4.200% 04/01/2050 DD 03/12/19	423,981	509,390	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.950% 01/15/2042 DD 07/15/16	440,571	509,360	
	PRINCIPAL LIFE GLOBAL FUN 144A 1.250% 06/23/2025 DD 06/23/20	511,663	509,093	
	MASSACHUSETTS ELECTRIC CO 144A 4.004% 08/15/2046 DD 08/05/16	465,000	508,659	
	PARKER-HANNIFIN CORP 4.000% 06/14/2049 DD 06/14/19	423,567	504,377	
	QUALCOMM INC 4.800% 05/20/2045 DD 05/20/15	483,000	503,706	
	TIME WARNER CABLE LLC 5.500% 09/01/2041 DD 09/12/11	426,315	501,973	
	JOHNSON CONTROLS INTERNATIONAL VAR RT 07/02/2044 DD 07/02/16	457,541	499,251	
	GOLDMAN SACHS GROUP INC/THE VAR RT 04/22/2032 DD 04/22/21	508,390	499,118	
	ANGLOGOLD ASHANTI HOLDINGS PLC 3.750% 10/01/2030 DD 10/01/20	493,406	498,455	
	EMERSON ELECTRIC CO 2.750% 10/15/2050 DD 04/29/20	509,378	498,112	
	HUNTSMAN INTERNATIONAL LLC 2.950% 06/15/2031 DD 05/26/21	489,657	497,424	
	PHILLIPS EDISON GROCERY CENTER 2.625% 11/15/2031 DD 10/06/21	503,329	496,490	
	AMERICAN TOWER CORP 3.100% 06/15/2050 DD 06/03/20	514,959	492,511	
	KRAFT HEINZ FOODS CO 6.500% 02/09/2040 DD 08/09/12	430,334	489,099	
	PHILIP MORRIS INTERNATIONAL IN 4.250% 11/10/2044 DD 11/10/14	413,402	486,672	
	CONSOLIDATED EDISON CO OF NEW 4.125% 05/15/2049 DD 05/09/19	487,317	482,210	
	BANK OF AMERICA NA 6.000% 10/15/2036 DD 10/26/06	337,134	480,624	
	STEEL DYNAMICS INC 3.250% 10/15/2050 DD 10/09/20	457,582	480,539	
	SUNCOR ENERGY INC 7.150% 02/01/2032 DD 01/29/02	384,697	479,417	
	WILLIS NORTH AMERICA INC 5.050% 09/15/2048 DD 09/10/18	447,193	478,956	
	JPMORGAN CHASE & CO VAR RT 04/22/2051 DD 04/22/20	460,000	477,107	
	ONEOK PARTNERS LP 6.850% 10/15/2037 DD 09/28/07	410,881	476,744	
	MEXICO GOVERNMENT INTERNATIONA 3.750% 04/19/2071	530,000	476,470	
	NEW YORK LIFE INSURANCE C 144A 4.450% 05/15/2069 DD 04/04/19	446,825	472,712	
	BP CAPITAL MARKETS AMERICA INC 2.939% 06/04/2051 DD 12/04/20	467,515	472,208	
	CHILE GOVERNMENT INTERNATIONAL 2.450% 01/31/2031 DD 05/12/20	478,975	471,438	
	JPMORGAN CHASE & CO VAR RT 04/22/2026 DD 04/22/20	479,398	471,141	
	ALPHABET INC 1.900% 08/15/2040 DD 08/05/20	511,761	470,478	
	INTEL CORP 2.800% 08/12/2041 DD 08/12/21	473,069	470,235	
	VERIZON COMMUNICATIONS INC 2.850% 09/03/2041 DD 09/03/21	473,851	469,989	
	BROOKFIELD FINANCE LLC 3.450% 04/15/2050 DD 02/21/20	442,789	467,437	
	PANAMA GOVERNMENT INTERNATIONA 4.300% 04/29/2053	520,053	466,977	
	PUGET SOUND ENERGY INC 3.250% 09/15/2049 DD 08/30/19	443,498	465,828	
	SUTTER HEALTH 3.161% 08/15/2040 DD 10/29/20	450,000	464,135	
	MITSUBISHI UFJ FINANCIAL GROUP 4.153% 03/07/2039 DD 03/07/19	390,000	462,197	
	SHELL INTERNATIONAL FINANCE BV 2.875% 11/26/2041 DD 11/26/21	454,406	461,711	
	AON CORP 2.800% 05/15/2030 DD 05/15/20	470,956	459,066	
	HOME DEPOT INC/THE 2.375% 03/15/2051 DD 01/07/21	488,347	457,707	
	XCEL ENERGY INC 4.800% 09/15/2041 DD 09/12/11	385,701	457,351	
	AMERICAN TOWER CORP 3.700% 10/15/2049 DD 10/03/19	452,329	455,637	
	WELLS FARGO & CO VAR RT 02/11/2031 DD 02/11/20	445,140	454,741	
	PFIZER INC 4.300% 06/15/2043 DD 06/03/13	444,862	454,578	
	BANK OF AMERICA CORP VAR RT 07/21/2052 DD 07/21/21	450,000	453,159	
	QUANTA SERVICES INC 2.900% 10/01/2030 DD 09/22/20	443,500	453,006	
	VIATRIS INC 2.300% 06/22/2027 DD 06/22/21	459,216	452,921	
	TRANSCANADA PIPELINES LTD 4.875% 05/15/2048 DD 05/07/18	352,007	452,905	
	BURLINGTON NORTHERN SANTA FE L 5.050% 03/01/2041 DD 09/10/10	382,477	452,779	
	IHS MARKIT LTD 4.750% 08/01/2028 DD 07/23/18	439,352	451,913	
	BANK OF AMERICA CORP 5.000% 01/21/2044 DD 01/21/14	377,228	451,714	
	PFIZER INC 4.400% 05/15/2044 DD 05/15/14	399,489	451,309	
	ECOLAB INC 2.700% 12/15/2051 DD 12/15/21	453,885	449,190	
	MEXICO GOVERNMENT INTERNATIONA 4.600% 01/23/2046 DD 01/23/15	404,067	448,879	
	CANADIAN PACIFIC RAILWAY CO 2.900% 02/01/2025 DD 02/02/15	464,065	447,385	
	MARKEL CORP 4.300% 11/01/2047 DD 11/02/17	385,309	447,370	
	BRISTOL-MYERS SQUIBB CO 4.550% 02/20/2048 DD 02/20/20	434,039	447,209	

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, 2021

(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	
	CHARTER COMMUNICATIONS OPERATI 4.400% 12/01/2061 DD 06/02/21	429,596	446,577	
	NORTHERN NATURAL GAS CO 144A 4.300% 01/15/2049 DD 07/17/18	439,831	445,782	
	MARTIN MARIETTA MATERIALS INC 4.250% 12/15/2047 DD 12/20/17	374,801	441,777	
	METLIFE INC 4.050% 03/01/2045 DD 03/05/15	425,909	441,173	
	WILLIAMS COS INC/THE 4.900% 01/15/2045 DD 06/27/14	396,619	440,081	
	CSX CORP 3.350% 09/15/2049 DD 09/12/19	410,198	439,991	
	GEORGE WASHINGTON UNIVERSITY/T 4.868% 09/15/2045 DD 07/01/15	401,449	439,282	
	CHILE GOVERNMENT INTERNATIONAL 3.500% 04/15/2053	425,000	438,621	
	MIDMICHIGAN HEALTH 3.409% 06/01/2050 DD 10/28/20	410,000	438,216	
	NOVARTIS CAPITAL CORP 2.750% 08/14/2050 DD 02/14/20	420,162	436,024	
	HCA INC 5.125% 06/15/2039 DD 06/12/19	384,468	432,054	
	DIAGEO INVESTMENT CORP 2.875% 05/11/2022 DD 05/11/12	436,678	428,613	
	LEIDOS INC 2.300% 02/15/2031 DD 02/15/21	442,880	428,437	
	T-MOBILE USA INC 3.300% 02/15/2051 DD 02/15/21	434,100	426,457	
	VISA INC 2.000% 08/15/2050 DD 08/17/20	474,854	424,411	
	ESTEE LAUDER COS INC/THE 3.125% 12/01/2049 DD 11/21/19	381,127	422,730	
	PPL ELECTRIC UTILITIES CORP 3.000% 10/01/2049 DD 09/06/19	447,388	421,132	
	GOODMAN US FINANCE FOUR L 144A 4.500% 10/15/2037 DD 09/27/17	361,421	420,992	
	ASTRAZENECA PLC 3.000% 05/28/2051 DD 05/28/21	394,536	420,904	
	KINDER MORGAN INC 5.050% 02/15/2046 DD 02/26/15	387,133	420,802	
	SOUTHWESTERN PUBLIC SERVICE CO 3.300% 06/15/2024 DD 06/09/14	417,820	416,320	
	LYB INTERNATIONAL FINANCE III 3.375% 10/01/2040 DD 10/08/20	394,092	412,506	
	WELLS FARGO & CO 4.400% 06/14/2046 DD 06/14/16	327,874	410,188	
	LEIDOS INC 2.950% 05/15/2023 DD 05/15/21	418,404	409,560	
	JPMORGAN CHASE & CO VAR RT 11/08/2032 DD 11/08/21	405,000	408,289	
	SAN DIEGO GAS & ELECTRIC CO 1.700% 10/01/2030 DD 09/28/20	424,389	407,129	
	NORTHERN STATES POWER CO/MN 3.600% 09/15/2047 DD 09/13/17	390,358	406,120	
	PARAMOUNT GLOBAL 4.850% 07/01/2042 DD 06/20/12	334,099	405,885	
	ANALOG DEVICES INC 2.800% 10/01/2041 DD 10/05/21	396,908	405,764	
	TJX COS INC/THE 3.875% 04/15/2030 DD 04/01/20	359,550	404,118	
	WYETH LLC 6.500% 02/01/2034 DD 12/16/03	371,405	403,088	
	PFIZER INC 2.700% 05/28/2050 DD 05/28/20	404,643	398,946	
	DIAGEO CAPITAL PLC 2.125% 04/29/2032 DD 04/29/20	399,004	397,248	
	CITIGROUP INC 5.500% 09/13/2025 DD 09/13/13	402,934	395,966	
	BERKSHIRE HATHAWAY FINANCE COR 2.850% 10/15/2050 DD 10/15/20	399,680	395,696	
	DOW CHEMICAL CO/THE 4.800% 05/15/2049 DD 11/15/19	306,670	395,690	
	COLOMBIA GOVERNMENT INTERNATIO 5.200% 05/15/2049 DD 01/28/19	428,732	395,488	
	VOLKSWAGEN AG	340,739	394,982	
	GLOBAL PAYMENTS INC 4.150% 08/15/2049 DD 08/14/19	425,555	394,904	
	TRUSTEES OF BOSTON COLLEGE 3.129% 07/01/2052 DD 10/24/19	366,000	394,727	
	*COCA-COLA FEMSA SAB DE CV 2.750% 01/22/2030 DD 01/22/20	381,042	393,763	
	FRANKLIN RESOURCES INC 1.600% 10/30/2030 DD 10/19/20	401,853	392,449	
	QUALCOMM INC 3.250% 05/20/2050 DD 05/08/20	352,167	391,423	
	AIR PRODUCTS AND CHEMICALS INC 2.800% 05/15/2050 DD 04/30/20	378,617	390,883	
	BOEING CO/THE 3.900% 05/01/2049 DD 05/02/19	342,031	385,863	
	BHP BILLITON FINANCE USA LTD 5.000% 09/30/2043 DD 09/30/13	381,479	384,604	
	BECTON DICKINSON AND CO 3.794% 05/20/2050 DD 05/20/20	340,000	382,901	
	JPMORGAN CHASE & CO 5.400% 01/06/2042 DD 12/22/11	306,275	381,791	
	PORSCHE AUTOMOBIL HOLDING SE	283,291	381,545	
	EAST OHIO GAS CO/THE 144A 3.000% 06/15/2050 DD 06/16/20	379,518	380,992	
	W R BERKLEY CORP 6.250% 02/15/2037 DD 02/14/07	255,324	379,529	
	CONOCOPHILLIPS CO 4.300% 11/15/2044 DD 11/12/14	313,261	378,706	
	KIMCO REALTY CORP 4.450% 09/01/2047 DD 08/10/17	312,666	376,192	
	COMCAST CORP 3.750% 04/01/2040 DD 03/27/20	385,689	376,024	
	MIDAMERICAN ENERGY CO 4.400% 10/15/2044 DD 04/03/14	303,167	374,119	
	INTERCONTINENTAL EXCHANGE INC 2.650% 09/15/2040 DD 08/20/20	383,412	373,916	
	CANADIAN NATURAL RESOURCES LTD 6.750% 02/01/2039 DD 01/17/08	284,199	373,343	
	HOME DEPOT INC/THE 3.125% 12/15/2049 DD 01/13/20	376,673	372,384	
	PLAINS ALL AMERICAN PIPELINE L 5.150% 06/01/2042 DD 03/22/12	328,854	372,290	
	TRAVELERS PROPERTY CASUALTY CO 6.375% 03/15/2033 DD 03/11/03	279,522	366,153	
	AMERICAN WATER CAPITAL CORP 3.250% 06/01/2051 DD 05/14/21	348,996	364,945	
	PUGET SOUND ENERGY INC 4.300% 05/20/2045 DD 05/26/15	409,639	364,706	
	EMERSON ELECTRIC CO 2.800% 12/21/2051 DD 12/21/21	369,179	362,840	
	AMERICAN HOMES 4 RENT LP 3.375% 07/15/2051 DD 07/08/21	352,663	362,764	
	TRUIST FINANCIAL CORP 4.000% 05/01/2025 DD 04/26/18	366,244	361,615	

American Electric Power System Retirement Plan

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 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	
	SHELL INTERNATIONAL FINANCE BV 3.750% 09/12/2046 DD 09/12/16	350,192	360,563	
	COMCAST CORP 4.200% 08/15/2034 DD 08/12/14	307,809	359,186	
	DEVON ENERGY CORP 5.600% 07/15/2041 DD 07/12/11	287,417	358,370	
	DUKE ENERGY CORP 3.500% 06/15/2051 DD 06/10/21	344,872	357,571	
	XCEL ENERGY INC 3.500% 12/01/2049 DD 11/07/19	333,896	357,501	
	AERCAP IRELAND CAPITAL DAC / A 3.850% 10/29/2041 DD 10/29/21	339,201	355,119	
	CITIGROUP INC 6.125% 08/25/2036 DD 08/25/06	259,598	353,423	
	ALTRIA GROUP INC 5.375% 01/31/2044 DD 10/31/13	296,745	352,988	
	MORGAN STANLEY 4.375% 01/22/2047 DD 01/20/17	360,752	352,900	
	ENERGY TRANSFER LP 6.500% 02/01/2042 DD 01/17/12	326,487	351,277	
	ONCOR ELECTRIC DELIVERY CO LLC 5.350% 10/01/2052 DD 04/01/21	390,190	350,299	
	TENCENT HOLDINGS LTD 144A 3.680% 04/22/2041 DD 04/22/21	334,906	348,326	
	AIA GROUP LTD 144A 3.200% 09/16/2040 DD 09/16/20	339,453	347,527	
	PFIZER INC 4.000% 03/15/2049 DD 03/11/19	291,057	347,070	
	CIGNA CORP 4.900% 12/15/2048 DD 06/15/19	337,035	343,556	
	UNION PACIFIC CORP 3.839% 03/20/2060 DD 03/20/20	343,612	342,925	
	KRAFT HEINZ FOODS CO 5.000% 07/15/2035 DD 07/15/16	290,115	340,263	
	MPLX LP 5.500% 02/15/2049 DD 11/15/18	280,066	339,478	
	ALEXANDRIA REAL ESTATE EQUITIE 3.950% 01/15/2028 DD 03/03/17	352,958	336,973	
	LG CORP	260,842	336,632	
	HEALTHPEAK PROPERTIES INC 3.000% 01/15/2030 DD 11/21/19	348,585	336,236	
	SOUTHERN CALIFORNIA EDISON CO 6.050% 03/15/2039 DD 03/20/09	279,285	328,512	
	SOUTHERN COPPER CORP 5.250% 11/08/2042 DD 11/08/12	317,850	327,275	
	ATHENE GLOBAL FUNDING 144A 2.500% 03/24/2028 DD 03/24/21	324,433	327,106	
	BAYER US FINANCE II LLC 144A 4.875% 06/25/2048 DD 06/25/18	329,827	326,747	
	CREDIT SUISSE GROUP AG 144A VAR RT 05/14/2032 DD 05/14/21	320,000	325,980	
	ALEXANDRIA REAL ESTATE EQUITIE 1.875% 02/01/2033 DD 08/05/20	344,351	324,620	
	W R BERKLEY CORP 4.750% 08/01/2044 DD 08/06/14	326,927	324,324	
	ACE CAPITAL TRUST II 9.700% 04/01/2030 DD 03/31/00	324,566	323,188	
	L3HARRIS TECHNOLOGIES INC 3.950% 05/28/2024 DD 11/28/19	336,317	322,665	
	ASTRAZENCA PLC 4.375% 08/17/2048 DD 08/17/18	255,105	322,467	
	CIGNA CORP 6.125% 11/15/2041 DD 05/15/20	288,662	321,814	
	WALT DISNEY CO/THE 2.750% 09/01/2049 DD 09/06/19	318,144	321,517	
	CONOCOPHILLIPS 6.500% 02/01/2039 DD 02/03/09	322,252	320,313	
	HESS CORP 6.000% 01/15/2040 DD 12/14/09	199,935	318,225	
	HALLIBURTON CO 4.750% 08/01/2043 DD 08/05/13	257,329	316,857	
	DUKE ENERGY PROGRESS LLC 6.300% 04/01/2038 DD 03/13/08	231,585	312,918	
	COCA-COLA FEMSA SAB DE CV 5.250% 11/26/2043 DD 11/26/13	271,505	312,794	
	ENTERGY TEXAS INC 4.000% 03/30/2029 DD 01/08/19	325,279	312,354	
	HSBC HOLDINGS PLC 6.800% 06/01/2038 DD 05/27/08	268,904	312,061	
	WALT DISNEY CO/THE 4.700% 03/23/2050 DD 03/23/20	233,393	311,124	
	SUNCOR ENERGY INC 6.800% 05/15/2038 DD 05/15/08	285,547	308,680	
	ORACLE CORP 3.900% 05/15/2035 DD 05/05/15	320,601	305,759	
	TENCENT HOLDINGS LTD 144A 3.975% 04/11/2029 DD 04/11/19	284,566	304,716	
	CANADIAN NATIONAL RAILWAY CO 3.650% 02/03/2048 DD 02/06/18	300,605	303,406	
	CITIGROUP INC VAR RT 01/10/2028 DD 01/10/17	277,000	300,495	
	LAM RESEARCH CORP 2.875% 06/15/2050 DD 05/05/20	299,211	300,105	
	ENTERPRISE PRODUCTS OPERATING 3.300% 02/15/2053 DD 09/15/21	300,019	299,568	
	SOUTHERN CALIFORNIA EDISON CO 5.350% 07/15/2035 DD 06/27/05	222,499	298,284	
	CANADIAN NATURAL RESOURCES LTD 6.250% 03/15/2038 DD 03/19/07	266,744	296,683	
	EVERGY KANSAS CENTRAL INC 3.250% 09/01/2049 DD 08/19/19	297,469	296,648	
	GRUPO TELEvisa SAB 5.000% 05/13/2045 DD 05/13/14	241,335	295,063	
	PARAMOUNT GLOBAL 4.900% 08/15/2044 DD 08/19/14	275,885	292,877	
	OVINTIV INC 6.500% 02/01/2038 DD 12/04/07	286,838	291,113	
	PUBLIC SERVICE CO OF COLORADO 3.600% 09/15/2042 DD 09/11/12	281,039	288,324	
	KINDER MORGAN ENERGY PARTNERS 6.500% 02/01/2037 DD 01/30/07	248,214	285,809	
	NORTHROP GRUMMAN SYSTEMS CORP 7.750% 02/15/2031 DD 02/27/01	302,294	285,122	
	ENTERGY ARKANSAS LLC 3.350% 06/15/2052 DD 03/30/21	268,321	284,607	
	DEVON ENERGY CORP 4.750% 05/15/2042 DD 05/14/12	277,305	284,421	
	CITIGROUP INC 6.625% 01/15/2028 DD 01/09/98	263,943	281,360	
	SOUTHERN CALIFORNIA EDISON CO 6.000% 01/15/2034 DD 01/14/04	282,884	278,935	
	QATAR GOVERNMENT INTERNAT 144A 5.103% 04/23/2048	280,208	277,432	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/21/2032 DD 10/21/21	275,000	277,049	
	BROOKLYN UNION GAS CO/THE 144A 4.487% 03/04/2049 DD 03/04/19	235,000	277,027	
	MORGAN STANLEY 4.000% 07/23/2025 DD 07/23/15	282,306	275,392	

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	
	PHILLIPS 66 2.150% 12/15/2030 DD 06/10/20	281,594	274,580	
	AON GLOBAL LTD 4.750% 05/15/2045 DD 05/20/15	266,139	274,571	
	CONSOLIDATED EDISON CO OF NEW 3.875% 06/15/2047 DD 06/08/17	295,853	273,960	
	FEDEX CORP 4.750% 11/15/2045 DD 10/23/15	238,812	272,571	
	SOUTHWESTERN PUBLIC SERVICE CO 3.150% 05/01/2050 DD 05/18/20	258,953	272,184	
	WELLTOWER INC 4.950% 09/01/2048 DD 08/16/18	206,129	271,141	
	MORGAN STANLEY VAR RT 01/25/2052 DD 01/25/21	275,000	270,922	
	JOHNSON & JOHNSON 2.100% 09/01/2040 DD 08/25/20	283,105	270,399	
	UNITEDHEALTH GROUP INC 4.375% 03/15/2042 DD 03/08/12	220,631	269,989	
	ENTERPRISE PRODUCTS OPERATING 4.850% 08/15/2042 DD 02/15/12	228,384	269,406	
	ALEXANDRIA REAL ESTATE EQUITIE 4.850% 04/15/2049 DD 03/21/19	206,894	268,417	
	DAIMLER TRUCKS FINANCE NO 144A 2.375% 12/14/2028 DD 12/14/21	264,186	266,455	
	CHUBB INA HOLDINGS INC 2.850% 12/15/2051 DD 11/18/21	259,787	261,867	
	MASTERCARD INC 2.950% 03/15/2051 DD 03/04/21	247,633	259,698	
	MASTERCARD INC 3.850% 03/26/2050 DD 03/26/20	214,088	259,348	
	MORGAN STANLEY VAR RT 04/28/2032 DD 01/25/21	262,734	258,290	
	MCDONALD'S CORP 4.700% 12/09/2035 DD 12/09/15	210,323	257,253	
	BAYLOR SCOTT & WHITE HOLDINGS 2.839% 11/15/2050 DD 01/21/21	255,000	256,117	
	BANK OF AMERICA CORP VAR RT 07/21/2032 DD 07/21/21	254,275	255,934	
	UNITED AIRLINES 2015-1 CLASS A 3.450% 06/01/2029 DD 11/17/15	235,578	253,952	
	CAMERON LNG LLC 144A 3.701% 01/15/2039 DD 12/13/19	235,000	253,734	
	TOTALENERGIES CAPITAL INTERNAT 3.461% 07/12/2049 DD 07/10/19	230,000	249,382	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 01/22/2061	264,035	245,750	
	AETNA INC 3.500% 11/15/2024 DD 11/10/14	248,213	242,639	
	STARBUCKS CORP 3.350% 03/12/2050 DD 03/12/20	224,922	241,397	
	CIGNA CORP 3.400% 03/15/2050 DD 03/16/20	218,040	240,417	
	PFIZER INC 3.900% 03/15/2039 DD 03/11/19	239,682	235,928	
	GENERAL MOTORS CO 5.200% 04/01/2045 DD 11/12/14	226,024	235,779	
	ENTERGY LOUISIANA LLC 4.000% 03/15/2033 DD 03/23/18	206,677	235,500	
	COCA-COLA CO/THE 2.500% 03/15/2051 DD 09/18/20	238,526	231,264	
	TYSON FOODS INC 4.550% 06/02/2047 DD 06/02/17	224,284	231,254	
	SOUTHERN CO/THE 4.250% 07/01/2036 DD 05/24/16	202,145	229,370	
	DOMINION ENERGY INC 4.600% 03/15/2049 DD 03/13/19	211,848	225,342	
	CK HUTCHISON INTERNATIONAL 144A 3.375% 05/08/2050 DD 05/08/20	203,239	223,782	
	AMGEN INC 5.150% 11/15/2041 DD 11/10/11	180,865	220,603	
	CIGNA CORP 4.800% 07/15/2046 DD 01/15/20	193,552	220,294	
	OGLETHORPE POWER CORP 3.750% 08/01/2050 DD 02/01/21	201,991	220,065	
	HUMANA INC 4.950% 10/01/2044 DD 09/19/14	199,660	219,276	
	ENERGY TRANSFER LP 5.300% 04/15/2047 DD 01/17/17	195,031	218,511	
	EOG RESOURCES INC 4.950% 04/15/2050 DD 04/14/20	159,059	216,907	
	MCDONALD'S CORP 4.450% 09/01/2048 DD 08/15/18	214,429	216,207	
	NATIONAL RETAIL PROPERTIES INC 3.500% 04/15/2051 DD 03/10/21	205,096	215,596	
	UNION PACIFIC CORP 3.750% 02/05/2070 DD 01/31/20	187,915	214,012	
	ONCOR ELECTRIC DELIVERY C 144A 2.700% 11/15/2051 DD 11/16/21	215,774	212,445	
	PIEDMONT NATURAL GAS CO INC 3.350% 06/01/2050 DD 05/21/20	203,538	210,961	
	INTEL CORP 3.050% 08/12/2051 DD 08/12/21	206,762	210,527	
	MCDONALD'S CORP 3.625% 05/01/2043 DD 05/06/13	192,270	210,189	
	PARAMOUNT GLOBAL 4.375% 03/15/2043 DD 03/15/13	194,884	208,785	
	BAYLOR SCOTT & WHITE HOLDINGS 4.185% 11/15/2045 DD 04/22/15	191,393	207,263	
	COLOMBIA GOVERNMENT INTERNATIO 5.000% 06/15/2045	219,038	203,063	
	DEERE & CO 3.750% 04/15/2050 DD 03/30/20	169,997	201,538	
	SOUTHERN CO GAS CAPITAL CORP 3.950% 10/01/2046 DD 09/13/16	182,676	201,518	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.350% 06/01/2040 DD 04/03/20	169,893	200,314	
	PANAMA GOVERNMENT INTERNATIONA 3.870% 07/23/2060 DD 07/23/19	199,878	200,000	
	CONOCOPHILLIPS CO 6.950% 04/15/2029 DD 04/20/99	198,954	197,507	
	TRITON CONTAINER INTERNAT 144A 1.150% 06/07/2024 DD 06/07/21	199,788	197,186	
	FEDEX CORP 3.900% 02/01/2035 DD 01/09/15	174,199	195,550	
	HYUNDAI MOTOR CO	135,172	193,801	
	CORP NACIONAL DEL COBRE D 144A 4.500% 09/16/2025 DD 09/16/15	197,969	190,761	
	CITRIX SYSTEMS INC 4.500% 12/01/2027 DD 11/15/17	192,789	190,092	
	EQUINOR ASA 3.700% 04/06/2050 DD 04/06/20	174,898	189,573	
	UNUM GROUP 4.125% 06/15/2051 DD 06/14/21	183,182	188,426	
	MARATHON PETROLEUM CORP 3.800% 04/01/2028 DD 04/01/19	189,220	187,689	
	WILLIAMS COS INC/THE 5.800% 11/15/2043 DD 11/15/13	158,007	182,881	
	BRISTOL-MYERS SQUIBB CO 5.000% 08/15/2045 DD 02/15/20	179,204	181,221	

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, 2021

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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	
	GOLDMAN SACHS GROUP INC/THE VAR RT 04/23/2039 DD 04/23/18	168,690	179,610	
	MORGAN STANLEY 4.300% 01/27/2045 DD 01/27/15	168,039	178,863	
	DUKE REALTY LP 1.750% 07/01/2030 DD 06/29/20	184,481	175,952	
	QUALCOMM INC 4.300% 05/20/2047 DD 05/26/17	161,296	174,640	
	TIME WARNER ENTERTAINMENT CO L 8.375% 03/15/2023 DD 09/15/93	184,921	173,507	
	COX COMMUNICATIONS INC 144A 4.800% 02/01/2035 DD 12/08/14	161,364	172,325	
	ONEOK INC 7.150% 01/15/2051 DD 05/07/20	126,482	172,016	
	SOUTHWESTERN PUBLIC SERVICE CO 3.750% 06/15/2049 DD 06/18/19	148,109	171,350	
	CSX CORP 3.800% 04/15/2050 DD 03/30/20	149,304	171,333	
	SHELL INTERNATIONAL FINANCE BV 3.250% 04/06/2050 DD 04/06/20	162,329	170,878	
	PANAMA GOVERNMENT INTERNATIONA 2.252% 09/29/2032 DD 09/29/20	176,220	170,775	
	APPLE INC 2.375% 02/08/2041 DD 02/08/21	174,724	170,749	
	ENTERPRISE PRODUCTS OPERATING 4.250% 02/15/2048 DD 02/15/18	159,730	164,675	
	ATMOS ENERGY CORP 4.300% 10/01/2048 DD 10/04/18	131,339	161,639	
	RAYTHEON TECHNOLOGIES CORP 4.625% 11/16/2048 DD 08/16/18	170,674	160,674	
	WILLIAMS COS INC/THE 3.500% 10/15/2051 DD 10/08/21	154,741	157,176	
	COMCAST CORP 6.500% 11/15/2035 DD 11/14/05	159,365	153,869	
	WESTERN & SOUTHERN LIFE I 144A 3.750% 04/28/2061 DD 04/28/21	134,361	151,085	
	VERIZON COMMUNICATIONS INC 4.125% 08/15/2046 DD 08/01/16	139,086	145,443	
	AMAZON.COM INC 2.500% 06/03/2050 DD 06/03/20	148,466	143,407	
	CANADIAN PACIFIC RAILWAY CO 3.100% 12/02/2051 DD 12/02/21	138,998	143,358	
	MASSACHUSETTS MUTUAL LIFE 144A 3.375% 04/15/2050 DD 04/16/20	134,444	142,902	
	MID-ATLANTIC INTERSTATE T 144A 4.100% 05/15/2028 DD 05/10/18	142,425	142,893	
	AMERICA MOVIL SAB DE CV 6.125% 03/30/2040 DD 03/30/10	111,298	140,230	
	NORFOLK SOUTHERN CORP 3.400% 11/01/2049 DD 11/04/19	128,816	139,908	
	PEACEHEALTH OBLIGATED GROUP 1.375% 11/15/2025 DD 10/08/20	142,445	139,144	
	EQUINOR ASA 3.250% 11/18/2049 DD 11/18/19	130,891	132,895	
	MARSH & MCLENNAN COS INC 2.900% 12/15/2051 DD 12/08/21	129,689	130,117	
	COCA-COLA CO/THE 3.000% 03/05/2051 DD 03/05/21	118,082	127,510	
	BOEING CO/THE 2.250% 06/15/2026 DD 05/18/16	127,101	125,238	
	BERKSHIRE HATHAWAY ENERGY CO 4.450% 01/15/2049 DD 07/25/18	121,744	123,993	
	COMMONSPIRIT HEALTH 3.910% 10/01/2050 DD 10/28/20	123,005	122,823	
	TEACHERS INSURANCE & ANNU 144A 6.850% 12/16/2039 DD 12/16/09	81,896	122,620	
	LOJAS AMERICANAS SA	501,106	121,574	
	ROYALTY PHARMA PLC 3.300% 09/02/2040 DD 03/02/21	116,386	121,278	
	ENTERPRISE PRODUCTS OPERATING 4.950% 10/15/2054 DD 10/14/14	114,952	120,292	
	WEST VIRGINIA UNITED HEALTH SY 3.129% 06/01/2050 DD 12/10/20	120,000	118,476	
	UNION PACIFIC CORP 2.950% 03/10/2052 DD 09/10/21	110,202	111,751	
	EMPOWER FINANCE 2020 LP 144A 3.075% 09/17/2051 DD 09/17/20	110,000	111,651	
	PACIFIC GAS AND ELECTRIC CO 4.500% 07/01/2040 DD 07/02/20	119,310	109,615	
	CLEVELAND ELECTRIC ILLUMI 144A 4.550% 11/15/2030 DD 11/02/18	93,930	107,995	
	BURLINGTON NORTHERN SANTA FE L 6.700% 08/01/2028 DD 07/30/98	83,283	107,738	
	AMERICAN WATER CAPITAL CORP 4.200% 09/01/2048 DD 08/09/18	97,643	95,782	
	VIRGINIA ELECTRIC AND POWER CO 2.950% 11/15/2051 DD 11/22/21	94,794	95,729	
	CONAGRA BRANDS INC 5.300% 11/01/2038 DD 10/22/18	92,126	95,129	
	APPLE INC 3.850% 08/04/2046 DD 08/04/16	89,385	89,172	
	CONSOLIDATED EDISON CO OF NEW 3.200% 12/01/2051 DD 12/02/21	85,000	85,282	
	SUNCOR ENERGY INC 3.750% 03/04/2051 DD 03/04/21	74,639	80,792	
	ROGERS COMMUNICATIONS INC 3.700% 11/15/2049 DD 11/12/19	69,248	73,735	
	AMERICAN WATER CAPITAL CORP 4.150% 06/01/2049 DD 05/13/19	65,456	65,144	
	EVERSOURCE ENERGY 3.450% 01/15/2050 DD 01/10/20	64,057	63,371	
	COMMONSPIRIT HEALTH 4.350% 11/01/2042 DD 10/31/12	64,595	63,281	
	ALIBABA GROUP HOLDING LTD 4.200% 12/06/2047 DD 12/06/17	62,989	60,684	
	BURLINGTON NORTHERN SANTA FE L 7.950% 08/15/2030 DD 08/08/00	46,469	60,294	
	BROADCOM INC 4.150% 11/15/2030 DD 05/08/20	57,874	58,839	
	TRANSCONTINENTAL GAS PIPE LINE 4.450% 08/01/2042 DD 07/13/12	44,784	50,424	
	CHARTER COMMUNICATIONS OPERATI 6.834% 10/23/2055 DD 10/23/16	47,279	50,219	
	HALLIBURTON CO 4.500% 11/15/2041 DD 11/14/11	38,605	49,953	
	AMERICAN INTERNATIONAL GROUP I 3.875% 01/15/2035 DD 01/15/15	47,662	49,820	
	LOWE'S COS INC 4.250% 09/15/2044 DD 09/10/14	48,507	47,666	
	CHARTER COMMUNICATIONS OPERATI 3.900% 06/01/2052 DD 03/04/21	33,452	35,223	
	ALABAMA POWER CO 3.450% 10/01/2049 DD 09/17/19	29,900	31,906	
	ORACLE CORP 3.950% 03/25/2051 DD 03/24/21	29,948	31,259	
	HOME DEPOT INC/THE 3.500% 09/15/2056 DD 09/15/16	29,774	28,317	
	COLOMBIA GOVERNMENT INTERNATIO 5.000% 06/15/2045 DD 01/28/15	30,394	27,075	

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, 2021

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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	
	AT&T INC 3.650% 06/01/2051 DD 05/28/20	24,903	25,987	
	NEVADA POWER CO 3.125% 08/01/2050 DD 01/30/20	24,990	25,331	
	JOHNSON CONTROLS INTERNATIONAL 4.500% 02/15/2047 DD 02/07/17	23,942	24,314	
	VOYA FINANCIAL INC 4.800% 06/15/2046 DD 06/13/16	17,589	18,634	
	AMERICAN AIRLINES 2017-1 CLASS 3.650% 08/15/2030 DD 01/13/17	12,489	13,044	
	EXELON CORP 4.450% 04/15/2046 DD 04/07/16	5,840	5,990	
	BROADCOM INC 144A 3.187% 11/15/2036 DD 09/30/21	1,929	1,999	
	EQUITABLE LIFE ASSURANCE CONTR	4	4	
	JOHN HANCOCK MUT LIFE CONT #11 CAC	1	1	
	METROPOLITAN LIFE INS GAC #304	1	1	
	METROPOLITAN GAC #294	1	1	
Corporate Obligations Total		1,455,964,806	1,558,022,705	
U.S. Government Obligations				
	U S TREASURY BOND 1.750% 08/15/2041 DD 08/15/21	113,071,708	113,057,135	
	U S TREASURY BOND 2.000% 08/15/2051 DD 08/15/21	85,856,597	86,794,205	
	U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	79,253,246	81,732,212	
	U S TREASURY BOND 2.875% 05/15/2049 DD 05/15/19	57,521,337	59,752,395	
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	54,351,144	57,026,925	
	U S TREASURY BOND 2.500% 02/15/2045 DD 02/15/15	45,577,184	49,576,728	
	U S TREASURY BOND 3.000% 02/15/2049 DD 02/15/19	44,254,311	48,869,551	
	U S TREASURY NOTE 1.375% 12/31/2028 DD 12/31/21	48,396,344	48,425,526	
	U S TREASURY BOND 2.875% 05/15/2043 DD 05/15/13	43,723,798	44,044,549	
	U S TREASURY NOTE 0.875% 06/30/2026 DD 06/30/21	41,677,016	41,150,195	
	U S TREASURY BOND 3.625% 08/15/2043 DD 08/15/13	37,306,310	38,972,571	
	U S TREASURY BOND 1.125% 08/15/2040 DD 08/15/20	30,584,240	31,879,836	
	U S TREASURY BOND 3.125% 02/15/2043 DD 02/15/13	28,934,581	29,184,525	
	U S TREASURY BOND 3.000% 11/15/2044 DD 11/15/14	29,260,697	28,345,261	
	U S TREASURY NOTE 1.375% 11/15/2031 DD 11/15/21	27,884,073	27,902,953	
	U S TREASURY NOTE 0.250% 05/31/2025 DD 05/31/20	23,488,012	23,100,207	
	U S TREASURY NOTE 0.500% 11/30/2023 DD 11/30/21	21,589,060	21,519,864	
	U S TREASURY BOND 2.375% 05/15/2051 DD 05/15/21	20,964,055	21,416,581	
	U S TREASURY NOTE 0.250% 07/31/2025 DD 07/31/20	21,590,988	21,051,743	
	U S TREASURY NOTE 1.250% 11/30/2026 DD 11/30/21	20,713,689	20,690,000	
	U S TREASURY NOTE 0.125% 09/15/2023 DD 09/15/20	18,080,082	17,945,923	
	U S TREASURY NOTE 1.750% 12/31/2024 DD 12/31/19	16,876,450	16,328,516	
	U S TREASURY BOND 4.250% 11/15/2040 DD 11/15/10	15,979,313	16,116,824	
	U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	14,189,072	16,046,304	
	U S TREASURY BOND 3.000% 05/15/2045 DD 05/15/15	14,120,101	15,426,692	
	U S TREASURY NOTE 2.375% 05/15/2029 DD 05/15/19	15,228,994	14,427,929	
	U S TREASURY NOTE 0.750% 03/31/2026 DD 03/31/21	14,581,621	14,364,545	
	U S TREASURY NOTE 1.250% 05/31/2028 DD 05/31/21	13,812,355	13,779,021	
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	14,346,821	13,640,443	
	U S TREASURY NOTE 0.625% 12/31/2027 DD 12/31/20	13,839,495	13,354,011	
	U S TREASURY BD PRIN STRIP 0.000% 02/15/2043 DD 02/15/13	7,243,932	13,093,619	
	U S TREASURY BOND 2.750% 08/15/2047 DD 08/15/17	12,125,976	12,809,372	
	U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	10,763,890	12,763,646	
	U S TREASURY NOTE 0.125% 08/15/2023 DD 08/15/20	12,804,132	12,711,327	
	U S TREASURY NOTE 0.625% 07/31/2026 DD 07/31/21	12,418,217	12,351,346	
	U S TREASURY NOTE 1.125% 02/28/2022 DD 02/29/20	12,092,148	11,969,837	
	U S TREASURY NOTE 0.125% 05/15/2023 DD 05/15/20	12,002,627	11,951,486	
	U S TREASURY BOND 2.250% 08/15/2046 DD 08/15/16	11,070,216	11,690,520	
	U S TREASURY NOTE 0.125% 03/31/2023 DD 03/31/21	11,629,952	11,581,828	
	U S TREASURY NOTE 0.125% 01/15/2024 DD 01/15/21	11,658,360	11,534,467	
	U S TREASURY NOTE 1.625% 05/15/2026 DD 05/15/16	11,798,069	11,363,353	
	U S TREASURY NOTE 0.250% 08/31/2025 DD 08/31/20	11,158,140	11,013,822	
	U S TREASURY NOTE 0.375% 01/31/2026 DD 01/31/21	10,253,683	10,133,808	
	U S TREASURY NOTE 0.500% 10/31/2027 DD 10/31/20	10,195,066	10,124,225	
	U S TREASURY NOTE 0.625% 11/30/2027 DD 11/30/20	10,167,831	10,098,430	
	U S TREASURY NOTE 0.625% 08/15/2030 DD 08/15/20	10,148,562	10,054,764	
	U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	10,702,430	9,643,505	
	U S TREASURY NOTE 2.750% 04/30/2023 DD 04/30/18	9,781,964	9,628,727	
	U S TREASURY NOTE 0.250% 06/30/2025 DD 06/30/20	9,177,236	8,985,031	
	U S TREASURY NOTE 0.625% 05/15/2030 DD 05/15/20	8,838,191	8,732,693	
	U S TREASURY NOTE 0.375% 04/15/2024 DD 04/15/21	8,817,875	8,713,408	

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	U S TREASURY NOTE 2.750% 07/31/2023 DD 07/31/18	8,854,028	8,651,483	
	U S TREASURY NOTE 1.000% 07/31/2028 DD 07/31/21	8,457,500	8,282,230	
	U S TREASURY BOND 3.375% 05/15/2044 DD 05/15/14	8,105,856	8,002,625	
	U S TREASURY NOTE 1.375% 10/31/2028 DD 10/31/21	7,847,624	7,860,399	
	U S TREASURY NOTE 1.500% 09/30/2024 DD 09/30/19	8,065,214	7,828,434	
	U S TREASURY NOTE 1.500% 11/30/2028 DD 11/30/21	7,572,144	7,566,445	
	U S TREASURY BD CPN STRIP 0.000% 02/15/2040 DD 02/16/10	6,306,661	7,545,692	
	U S TREASURY NOTE 0.375% 04/30/2025 DD 04/30/20	7,660,809	7,472,913	
	U S TREASURY NOTE 0.750% 04/30/2026 DD 04/30/21	7,372,591	7,257,180	
	U S TREASURY NOTE 0.125% 07/15/2023 DD 07/15/20	7,139,533	7,093,913	
	U S TREASURY NOTE 0.250% 05/15/2024 DD 05/15/21	7,156,718	7,088,434	
	U S TREASURY NOTE 0.750% 01/31/2028 DD 01/31/21	7,077,473	7,035,667	
	U S TREASURY BOND 1.625% 11/15/2050 DD 11/15/20	6,673,612	7,029,811	
	U S TREASURY BOND 3.125% 08/15/2044 DD 08/15/14	6,506,956	6,990,685	
	U S TREASURY NOTE 0.250% 03/15/2024 DD 03/15/21	6,984,260	6,927,282	
	U S TREASURY NOTE 0.500% 08/31/2027 DD 08/31/20	7,080,500	6,880,199	
	FEDERAL NATL MTG ASSN 7.250% 05/15/2030 DD 05/05/00	6,649,411	6,878,483	
	US TREAS INFLAT INDEXED BD FWD 0.375% 01/15/2027 DD 01/15/17	6,767,135	6,820,570	
	U S TREASURY NOTE 0.750% 11/15/2024 DD 11/15/21	6,616,490	6,614,157	
	U S TREASURY NOTE 2.375% 02/29/2024 DD 02/28/19	6,585,472	6,426,683	
	U S TREASURY BOND 2.750% 11/15/2047 DD 11/15/17	5,969,172	6,019,681	
	U S TREASURY NOTE 0.500% 03/15/2023 DD 03/15/20	5,700,378	5,657,205	
	U S TREASURY NOTE 1.750% 05/15/2023 DD 05/15/13	5,430,943	5,423,134	
	U S TREASURY BD CPN STRIP 0.000% 05/15/2039 DD 05/15/09	3,969,728	5,302,804	
	U S TREASURY BOND 4.625% 02/15/2040 DD 02/15/10	5,317,594	5,256,000	
	U S TREASURY NOTE 0.875% 11/15/2030 DD 11/15/20	5,224,452	5,239,659	
	AMERICAN ELECTRIC POWER PROP VAR RT 12/31/2049 DD 07/24/08	4,878,077	4,878,077	
	U S TREASURY NOTE 1.625% 05/15/2031 DD 05/15/21	4,890,432	4,810,244	
	U S TREASURY BOND 3.125% 11/15/2041 DD 11/15/11	4,037,734	4,685,678	
	FEDERAL HOME LN MTG CORP 6.750% 03/15/2031 DD 10/25/00	4,330,852	4,609,816	
	U S TREASURY NOTE 2.000% 04/30/2024 DD 04/30/17	4,593,130	4,535,574	
	U S TREASURY NOTE 0.125% 04/30/2023 DD 04/30/21	4,367,382	4,346,795	
	U S TREASURY NOTE 0.250% 06/15/2024 DD 06/15/21	4,357,932	4,311,431	
	FEDERAL NATL MTG ASSN 6.625% 11/15/2030 DD 11/03/00	3,996,060	4,228,290	
	US TREASURY BOND FWD 3.125% 02/15/2043 DD 02/15/13	4,160,039	4,111,681	
	U S TREASURY BOND 1.875% 11/15/2051 DD 11/15/21	3,460,073	3,413,766	
	FEDERAL NATL MTG ASSN 0.750% 10/08/2027 DD 10/09/20	3,446,513	3,334,351	
	FEDERAL HOME LN MTG CORP 0.375% 09/23/2025 DD 09/25/20	3,408,724	3,328,173	
	U S TREASURY NOTE 1.250% 09/30/2028 DD 09/30/21	3,275,152	3,259,085	
	PRIVATE EXPORT FUNDING CORP 1.400% 07/15/2028 DD 06/28/21	3,266,911	3,231,967	
	U S TREASURY BOND 2.000% 11/15/2041 DD 11/15/21	3,158,967	3,160,759	
	US TREASURY BOND FWD 3.625% 08/15/2043 DD 08/15/13	3,106,717	3,070,849	
	U S TREASURY NOTE 1.500% 10/31/2024 DD 10/31/19	3,122,240	3,027,382	
	U S TREASURY NOTE 0.500% 06/30/2027 DD 06/30/20	3,013,271	3,021,291	
	U S TREASURY BOND 1.250% 05/15/2050 DD 05/15/20	3,028,392	2,982,214	
	U S TREASURY NOTE 2.625% 02/15/2029 DD 02/15/19	2,946,986	2,867,274	
	U S TREASURY NOTE 1.250% 03/31/2028 DD 03/31/21	2,529,440	2,519,451	
	US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	2,333,657	2,515,379	
	U S TREASURY NOTE 1.000% 12/15/2024 DD 12/15/21	2,497,535	2,498,318	
	U S TREASURY NOTE 2.250% 08/15/2027 DD 08/15/17	2,493,762	2,456,462	
	FEDERAL NATL MTG ASSN 1.875% 09/24/2026 DD 09/27/16	2,392,026	2,369,102	
	U S TREASURY NOTE 0.125% 12/15/2023 DD 12/15/20	2,248,279	2,229,361	
	US TREASURY BOND FWD 2.750% 11/15/2042 DD 11/15/12	2,217,727	2,191,717	
	U S TREASURY NOTE 1.625% 02/15/2026 DD 02/15/16	2,150,484	2,126,909	
	U S TREASURY NOTE 0.375% 11/30/2025 DD 11/30/20	2,126,278	2,119,953	
	ISRAEL ST AID 5.500% 09/18/2033 DD 09/18/03	1,485,786	1,944,337	
	U S TREASURY BOND 1.375% 08/15/2050 DD 08/15/20	2,000,216	1,918,749	
	U S TREASURY NOTE 1.375% 02/15/2023 DD 02/15/20	1,880,360	1,864,243	
	U S TREASURY NOTE 2.875% 07/31/2025 DD 07/31/18	1,910,052	1,844,461	
	U S TREASURY NOTE 0.250% 10/31/2025 DD 10/31/20	1,434,143	1,411,689	
	FEDERAL NATL MTG ASSN 0.875% 08/05/2030 DD 08/05/20	1,354,332	1,307,066	
	U S TREASURY NOTE 0.125% 06/30/2023 DD 06/30/21	1,157,089	1,152,205	
	U S TREASURY BOND 5.250% 11/15/2028 DD 11/15/98	1,127,958	1,064,430	
	U S TREASURY NOTE 1.250% 08/31/2024 DD 08/31/19	1,011,549	994,269	
	IRAQ GOVERNMENT AID BOND 2.149% 01/18/2022 DD 01/18/17	997,663	990,723	

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	
	US LONG BOND FUTURE (CBT) EXP MAR 22	-	956,844	
	U S TREASURY NOTE 2.125% 05/31/2026 DD 05/31/19	740,448	717,062	
	US TREAS-CPI INFLAT 0.250% 02/15/2050 DD 02/15/20	630,419	664,209	
	U S TREASURY NOTE 2.250% 11/15/2027 DD 11/15/17	660,384	651,434	
	US ULTRA BOND FUTURE (CBT) EXP MAR 22	-	482,115	
	US TREAS-CPI INFLAT 0.125% 02/15/2051 DD 02/15/21	409,054	427,945	
	PRIVATE EXPORT FUNDING CORP 3.550% 01/15/2024 DD 01/14/14	298,974	315,438	
	U S TREASURY NOTE 2.125% 03/31/2024 DD 03/31/17	199,972	195,582	
	US TREAS INFLAT INDEXED BD FWD 0.875% 02/15/2047 DD 02/15/17	122,239	123,740	
	U S TREASURY NOTE 0.500% 02/28/2026 DD 02/28/21	118,194	116,648	
	U S TREASURY NOTE 1.625% 08/15/2029 DD 08/15/19	99,259	101,441	
	US 5YR NOTE FUTURE (CBT) EXP MAR 22	-	92,812	
	ISRAEL ST AID 5.500% 04/26/2024 DD 04/26/04	95,938	88,247	
	US TREAS INFLAT INDEXED BD FWD 0.500% 01/15/2028 DD 01/15/17	60,931	61,483	
	US 2YR TREAS NTS FUT (CBT) EXP MAR 22	-	57,209	
	US 10YR NOTE FUTURE (CBT) EXP MAR 22	-	47,984	
	U S TREASURY BOND 1.875% 02/15/2051 DD 02/15/21	4,715	4,970	
	90DAY EURODOLLAR FUTURE (CME) EXP DEC 24	-	(7,525)	
	90DAY EURO\$ FUTURE (CME) EXP DEC 23	-	(150,500)	
	US 10YR ULTRA FUTURE (CBT) EXP MAR 22	-	(1,368,555)	
	US TREAS INFLAT INDEXED BD FWD 0.500% 04/15/2024 DD 04/15/19	(11,230,522)	(11,246,781)	
U.S. Government Obligations Total		1,531,397,370	1,559,089,475	
Total Investments		4,649,369,010	5,385,982,828	
401(h)				
Short-Term Investments				
*	EB TEMP INV FD VAR RT 12/31/2049 DD 04/02/10	6,646,390	6,646,390	
	CAD (CANADIAN DOLLARS)	3,111	3,093	
	GBP (GREAT BRITISH POUNDS)	565	580	
	NZD (NEW ZEALAND DOLLAR)	49	44	
	ZAR (SOUTH AFRICAN RAND)	1	1	
	JPY (JAPANESE YEN)	0	-	
	TWD (TAIWAN DOLLAR)	0	-	
	HKD (HONG KONG DOLLARS)	0	-	
	KRW (SOUTH KOREAN WON)	-	-	
	CHF (SWISS FRANC)	(0)	-	
	EUR (EURO)	(16)	-	
Short-Term Investments Total		6,650,100	6,650,108	
State and Local Government Obligations				
	PORT AUTH OF NEW YORK & NEW JE 4.926% 10/01/2051 DD 10/06/11	763,505	880,142	
	ILLINOIS ST 5.100% 06/01/2033 DD 06/12/03	519,140	520,146	
	CHICAGO IL TRANSIT AUTH SALES 6.200% 12/01/2040 DD 04/06/10	328,665	369,158	
	CALIFORNIA ST 4.600% 04/01/2038 DD 04/25/18	335,852	368,368	
	UNIV OF CALIFORNIA CA REVENUES 4.767% 04/11/2023 DD 04/08/15	246,163	343,330	
	NEW YORK ST URBAN DEV CORP REV 3.900% 03/15/2033 DD 01/16/19	274,460	296,684	
	NEW YORK CITY NY MUNI WTR FIN 5.440% 06/15/2043 DD 09/23/10	257,178	288,798	
	MUNI ELEC AUTH OF GEORGIA 6.637% 04/01/2057 DD 03/11/10	208,278	255,772	
	SALES TAX SECURITIZATION CORP 4.637% 01/01/2040 DD 01/30/19	181,793	216,531	
	SALES TAX SECURITIZATION CORP 3.587% 01/01/2043 DD 12/14/17	145,819	173,536	
	NEW YORK ST THRUWAY AUTH 3.500% 01/01/2042 DD 10/30/19	155,105	161,276	
	DALLAS TX AREA RAPID TRANSIT S 2.613% 12/01/2048 DD 12/01/21	149,178	147,077	
	CALIFORNIA ST 7.600% 11/01/2040 DD 12/01/10	134,124	146,524	
	N TX TOLLWAY AUTH REVENUE 6.718% 01/01/2049 DD 08/12/09	119,631	135,171	
	CALIFORNIA ST 4.500% 04/01/2033 DD 04/25/18	109,817	121,796	
	NEW YORK ST DORM AUTH ST PERSO 3.110% 02/15/2039 DD 01/03/20	80,000	84,942	
	UNIV OF CALIFORNIA CA RGTS MED 6.548% 05/15/2048 DD 11/18/10	65,945	77,370	
	CHICAGO IL TRANSIT AUTH SALES 6.899% 12/01/2040 DD 08/06/08	62,542	70,421	
	KANSAS ST DEV FIN AUTH REVENUE 4.927% 04/15/2045 DD 08/20/15	48,940	58,586	
	RUTGERS NJ ST UNIV 3.270% 05/01/2043 DD 10/24/19	50,000	52,815	
	MASSACHUSETTS ST 2.514% 07/01/2041 DD 07/09/20	50,000	49,257	
	BAY AREA CA TOLL AUTH TOLL BRI 3.552% 04/01/2054 DD 09/26/19	45,000	46,359	
	CALIFORNIA ST 7.550% 04/01/2039 DD 04/28/09	23,588	25,032	
	CMWLTH FING AUTH PA 4.144% 06/01/2038 DD 10/31/16	9,709	11,724	
State and Local Government Obligations Total		4,364,432	4,900,815	

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Common/Collective Trusts				
*	JPMCB LONG DURATION INVESTMENT GRADE FUND	89,444,907	157,428,630	
	BNYM-M DB SL ACWI FUND	63,689,003	110,830,278	
Common/Collective Trusts Total		153,133,910	268,258,908	
Corporate Obligations				
	AT&T INC 3.500% 09/15/2053 DD 03/15/21	1,559,995	1,822,081	
	VERIZON COMMUNICATIONS INC 4.812% 03/15/2039 DD 02/03/17	1,196,785	1,501,936	
	TIME WARNER CABLE LLC 5.500% 09/01/2041 DD 09/12/11	910,648	1,033,116	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.900% 02/01/2046 DD 02/01/19	787,191	1,011,744	
	COMCAST CORP 3.400% 07/15/2046 DD 07/19/16	805,115	946,008	
	MICROSOFT CORP 2.921% 03/17/2052 DD 03/17/21	865,251	925,314	
	WELLS FARGO & CO 4.650% 11/04/2044 DD 11/04/14	757,400	868,196	
	BERKSHIRE HATHAWAY ENERGY CO 6.125% 04/01/2036 DD 10/01/06	802,897	836,870	
	ORACLE CORP 5.375% 07/15/2040 DD 07/15/11	800,189	801,792	
	CHARTER COMMUNICATIONS OPERATI 5.375% 05/01/2047 DD 11/01/17	649,272	736,278	
	BURLINGTON NORTHERN SANTA FE L 4.150% 04/01/2045 DD 03/09/15	612,057	699,323	
	MEXICO GOVERNMENT INTERNATIONA 5.000% 04/27/2051	631,960	692,393	
	HSBC HOLDINGS PLC VAR RT 05/24/2032 DD 05/24/21	625,000	627,644	
	AT&T INC 3.800% 12/01/2057 DD 06/01/21	642,350	626,123	
	RAYTHEON TECHNOLOGIES CORP 3.750% 11/01/2046 DD 11/01/16	528,716	614,774	
	ENERGY TRANSFER LP 6.050% 06/01/2041 DD 05/12/11	535,240	613,255	
	BANK OF AMERICA CORP VAR RT 06/19/2041 DD 06/19/20	594,771	569,498	
	SUNCOR ENERGY INC 6.500% 06/15/2038 DD 06/28/07	439,972	534,444	
	JPMORGAN CHASE & CO VAR RT 11/15/2048 DD 11/10/17	432,849	511,960	
	ENTERPRISE PRODUCTS OPERATING 5.100% 02/15/2045 DD 02/12/14	450,186	500,859	
	HOME DEPOT INC/THE 4.400% 03/15/2045 DD 06/12/14	438,628	500,744	
	AMAZON.COM INC 3.875% 08/22/2037 DD 02/22/18	395,301	447,203	
	JOHNSON & JOHNSON 3.700% 03/01/2046 DD 03/01/16	377,059	430,226	
	APPLE INC 3.850% 08/04/2046 DD 08/04/16	369,599	428,026	
	CVS HEALTH CORP 5.125% 07/20/2045 DD 07/20/15	374,180	423,735	
	DUKE ENERGY PROGRESS LLC 4.100% 05/15/2042 DD 05/18/12	377,014	421,528	
	MCDONALD'S CORP 4.875% 12/09/2045 DD 12/09/15	366,536	418,844	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/31/2038 DD 10/31/17	360,248	412,722	
	NATIONWIDE MUTUAL INSURAN 144A 9.375% 08/15/2039 DD 08/10/09	396,050	406,621	
	ORACLE CORP 3.600% 04/01/2050 DD 04/01/20	439,618	402,891	
	DUKE ENERGY CAROLINAS LLC 3.875% 03/15/2046 DD 03/11/16	363,971	401,093	
	ABBVIE INC 4.050% 11/21/2039 DD 05/21/20	337,859	386,158	
	REYNOLDS AMERICAN INC 5.850% 08/15/2045 DD 06/12/15	361,138	383,809	
	PACIFICORP 4.125% 01/15/2049 DD 07/13/18	329,261	381,493	
	BANK OF AMERICA CORP VAR RT 04/22/2042 DD 04/22/21	360,000	379,444	
	POTOMAC ELECTRIC POWER CO 4.150% 03/15/2043 DD 03/18/13	335,749	367,832	
	SHELL INTERNATIONAL FINANCE BV 4.000% 05/10/2046 DD 05/10/16	316,610	361,714	
	BROADCOM INC 4.300% 11/15/2032 DD 05/08/20	338,424	348,784	
	JPMORGAN CHASE & CO VAR RT 04/22/2041 DD 04/22/20	361,854	347,904	
	AMGEN INC 3.375% 02/21/2050 DD 02/21/20	340,977	344,573	
	ABBVIE INC 4.250% 11/21/2049 DD 05/21/20	297,335	341,667	
	BRISTOL-MYERS SQUIBB CO 4.250% 10/26/2049 DD 04/26/20	360,506	341,047	
	ANTHEM INC 4.625% 05/15/2042 DD 05/07/12	293,285	336,452	
	DISCOVERY COMMUNICATIONS LLC 5.200% 09/20/2047 DD 09/21/17	285,245	335,740	
	JPMORGAN CHASE & CO VAR RT 07/24/2038 DD 07/24/17	295,242	335,542	
	CONSOLIDATED EDISON CO OF NEW 6.750% 04/01/2038 DD 04/04/08	322,666	332,962	
	ROYALTY PHARMA PLC 3.350% 09/02/2051 DD 07/26/21	336,599	331,255	
	TELEFONICA EMISIONES SA 5.213% 03/08/2047 DD 03/08/17	293,684	330,028	
	OGLETHORPE POWER CORP 5.050% 10/01/2048 DD 04/01/19	261,806	329,131	
	DUKE ENERGY INDIANA LLC 4.200% 03/15/2042 DD 03/15/12	295,916	326,590	
	MORGAN STANLEY VAR RT 07/22/2038 DD 07/24/17	288,913	325,570	
	ENERGY TRANSFER LP 6.000% 06/15/2048 DD 06/08/18	273,098	323,963	
	GE CAPITAL INTERNATIONAL FUNDI 4.418% 11/15/2035 DD 05/15/16	278,366	323,878	
	BOEING CO/THE 5.705% 05/01/2040 DD 05/04/20	254,366	321,868	
	UNUM GROUP 4.500% 12/15/2049 DD 09/11/19	265,482	320,142	
	DOMINION ENERGY INC 7.000% 06/15/2038 DD 06/17/08	297,537	319,429	

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	COMMONWEALTH EDISON CO 6.450% 01/15/2038 DD 01/16/08	302,136	319,303	
	SEMPRA ENERGY 3.800% 02/01/2038 DD 01/12/18	269,127	313,449	
	MEXICO GOVERNMENT INTERNATIONA 4.280% 08/14/2041 DD 04/14/21	299,814	310,875	
	PANAMA GOVERNMENT INTERNATIONA 3.870% 07/23/2060	336,693	305,000	
	ABBOTT LABORATORIES 4.750% 11/30/2036 DD 11/22/16	239,019	300,342	
	ANHEUSER-BUSCH COS LLC / ANHEU 4.700% 02/01/2036 DD 02/01/19	236,179	296,092	
	ALABAMA POWER CO 4.300% 01/02/2046 DD 01/13/16	264,502	294,372	
	VERIZON COMMUNICATIONS INC 3.700% 03/22/2061 DD 03/22/21	266,908	294,017	
	WALT DISNEY CO/THE 3.500% 05/13/2040 DD 05/13/20	268,680	291,002	
	T-MOBILE USA INC 4.500% 04/15/2050 DD 04/15/21	252,051	287,735	
	APPLE INC 3.750% 11/13/2047 DD 11/13/17	228,082	282,662	
	CITIGROUP INC VAR RT 05/01/2032 DD 05/04/21	280,000	281,772	
	BANK OF AMERICA CORP VAR RT 01/23/2049 DD 01/23/18	225,331	281,153	
	UNION PACIFIC CORP 4.100% 09/15/2067 DD 09/19/17	221,420	280,621	
	GOLDMAN SACHS GROUP INC/THE VAR RT 01/27/2032 DD 01/27/21	281,841	278,359	
	BROADCOM INC 144A 3.469% 04/15/2034 DD 03/31/21	272,250	277,550	
	CONAGRA BRANDS INC 5.400% 11/01/2048 DD 10/22/18	232,204	276,976	
	MORGAN STANLEY VAR RT 01/22/2031 DD 01/22/20	270,000	276,507	
	VODAFONE GROUP PLC 5.250% 05/30/2048 DD 05/30/18	207,200	274,413	
	LOCKHEED MARTIN CORP 3.600% 03/01/2035 DD 02/20/15	243,133	274,177	
	GILEAD SCIENCES INC 4.150% 03/01/2047 DD 09/20/16	240,603	271,694	
	ENTERPRISE PRODUCTS OPERATING 4.800% 02/01/2049 DD 10/11/18	260,069	268,629	
	QATAR GOVERNMENT INTERNAT 144A 4.817% 03/14/2049	247,500	262,128	
	PFIZER INC 4.125% 12/15/2046 DD 11/21/16	224,916	260,421	
	BOSTON SCIENTIFIC CORP 4.550% 03/01/2039 DD 02/25/19	213,892	257,783	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.600% 04/15/2048 DD 04/04/18	212,744	257,376	
	LOWE'S COS INC 4.050% 05/03/2047 DD 05/03/17	205,635	253,944	
	AT&T INC 3.650% 09/15/2059 DD 03/15/21	215,754	253,530	
	INTEL CORP 3.050% 08/12/2051 DD 08/12/21	250,265	251,605	
	GEORGIA POWER CO 4.300% 03/15/2042 DD 03/06/12	227,305	251,159	
	CHARTER COMMUNICATIONS OPERATI 3.850% 04/01/2061 DD 12/04/20	259,693	246,171	
	HCA INC 3.500% 07/15/2051 DD 06/30/21	238,802	245,592	
	ONCOR ELECTRIC DELIVERY CO LLC 4.550% 12/01/2041 DD 06/01/12	219,134	244,210	
	BRIGHTHOUSE FINANCIAL INC 4.700% 06/22/2047 DD 12/22/17	219,157	243,290	
	MERCK & CO INC 3.700% 02/10/2045 DD 02/10/15	216,384	242,462	
	COMCAST CORP 144A 2.887% 11/01/2051 DD 08/19/21	246,248	241,772	
	BANK OF AMERICA CORP VAR RT 03/20/2051 DD 03/20/20	213,485	241,132	
	CITIGROUP INC 4.650% 07/30/2045 DD 07/30/15	206,939	240,337	
	DISCOVERY COMMUNICATIONS LLC 5.300% 05/15/2049 DD 05/21/19	204,466	237,386	
	INDONESIA GOVERNMENT INTERNATI 4.450% 04/15/2070 DD 04/15/20	201,000	237,292	
	ANGLO AMERICAN CAPITAL PL 144A 5.625% 04/01/2030 DD 04/01/20	240,850	237,184	
	MORGAN STANLEY VAR RT 02/13/2032 DD 11/13/20	250,000	236,908	
	GE CAPITAL FUNDING LLC 4.550% 05/15/2032 DD 11/15/20	235,964	236,840	
	ORACLE CORP 3.600% 04/01/2040 DD 04/01/20	241,705	236,600	
	JPMORGAN CHASE & CO VAR RT 04/22/2052 DD 04/22/21	220,000	236,326	
	ABBVIE INC 4.500% 05/14/2035 DD 05/14/15	193,848	233,936	
	PARAMOUNT GLOBAL 4.375% 03/15/2043 DD 03/15/13	181,438	232,744	
	AMERICAN INTERNATIONAL GROUP I 4.375% 06/30/2050 DD 05/11/20	194,713	231,431	
	DIGNITY HEALTH 5.267% 11/01/2064 DD 10/15/14	174,499	230,980	
	APPLE INC 2.375% 02/08/2041 DD 02/08/21	234,629	229,292	
	ROYALTY PHARMA PLC 3.550% 09/02/2050 DD 03/02/21	224,723	228,875	
	JPMORGAN CHASE & CO VAR RT 02/22/2048 DD 02/22/17	193,029	226,919	
	FEDEX CORP 4.100% 02/01/2045 DD 01/09/15	199,346	224,600	
	CLECO CORPORATE HOLDINGS LLC VAR RT 05/01/2046 DD 11/01/16	200,221	224,113	
	ITC HOLDINGS CORP 5.300% 07/01/2043 DD 07/03/13	201,219	222,797	
	AMERICAN WATER CAPITAL CORP 4.200% 09/01/2048 DD 08/09/18	199,012	221,497	
	BECTON DICKINSON AND CO 4.669% 06/06/2047 DD 06/06/17	195,643	221,366	
	PANAMA GOVERNMENT INTERNATIONA 4.500% 04/01/2056 DD 04/01/20	200,000	220,302	
	BRISTOL-MYERS SQUIBB CO 2.550% 11/13/2050 DD 11/13/20	228,250	218,470	
	BANK OF AMERICA CORP VAR RT 01/20/2048 DD 01/20/17	186,426	218,183	
	MEXICO GOVERNMENT INTERNATIONA 4.750% 03/08/2044	232,000	217,752	
	ALIBABA GROUP HOLDING LTD 4.000% 12/06/2037 DD 12/06/17	204,640	217,294	
	KAISER FOUNDATION HOSPITALS 2.810% 06/01/2041 DD 06/15/21	215,000	216,787	
	BERKSHIRE HATHAWAY INC 4.500% 02/11/2043 DD 02/11/13	194,506	216,571	
	INTEL CORP 3.100% 02/15/2060 DD 02/13/20	213,583	215,817	

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	NESTLE HOLDINGS INC 144A 4.000% 09/24/2048 DD 09/24/18	172,650	215,808	
	RAYTHEON TECHNOLOGIES CORP 4.200% 12/15/2044 DD 06/15/20	236,246	215,764	
	UNITEDHEALTH GROUP INC 4.250% 04/15/2047 DD 03/13/17	188,841	214,881	
	VISA INC 4.300% 12/14/2045 DD 12/14/15	186,043	214,617	
	ALTRIA GROUP INC 3.875% 09/16/2046 DD 09/16/16	211,453	213,479	
	MPLX LP 5.200% 12/01/2047 DD 12/01/19	174,358	213,155	
	TENCENT HOLDINGS LTD 144A 3.925% 01/19/2038	185,048	212,797	
	EMERA US FINANCE LP 4.750% 06/15/2046 DD 12/15/16	183,860	212,704	
	MEXICO GOVERNMENT INTERNATIONA 4.500% 01/31/2050 DD 07/31/19	190,500	212,000	
	HESS CORP 5.600% 02/15/2041 DD 08/10/10	168,054	210,395	
	VERIZON COMMUNICATIONS INC 3.400% 03/22/2041 DD 03/22/21	199,884	209,966	
	CIGNA CORP 4.800% 08/15/2038 DD 08/15/19	167,735	209,588	
	GOLDMAN SACHS GROUP INC/THE VAR RT 07/21/2042 DD 07/21/21	210,000	209,395	
	PACIFIC GAS AND ELECTRIC CO 3.500% 08/01/2050 DD 06/19/20	220,405	209,144	
	APPLE INC 2.950% 09/11/2049 DD 09/11/19	205,999	208,894	
	COMCAST CORP 144A 2.987% 11/01/2063 DD 08/19/21	215,297	206,925	
	QATAR ENERGY 144A 3.300% 07/12/2051 DD 07/12/21	200,000	205,874	
	UNITEDHEALTH GROUP INC 3.500% 08/15/2039 DD 07/25/19	191,980	205,659	
	EQUINIX INC 3.400% 02/15/2052 DD 05/17/21	198,356	204,690	
	BOEING CO/THE 3.750% 02/01/2050 DD 07/31/19	192,639	203,393	
	QATAR ENERGY 144A 3.125% 07/12/2041 DD 07/12/21	199,262	202,124	
	SAUDI GOVERNMENT INTERNAT 144A 3.450% 02/02/2061 DD 02/02/21	200,000	201,788	
	BAXTER INTERNATIONAL INC 144A 3.132% 12/01/2051 DD 12/01/21	196,395	201,417	
	CHILE GOVERNMENT INTERNATIONAL 2.550% 01/27/2032 DD 01/27/20	202,200	199,500	
	PHILIPPINE GOVERNMENT INTERNAT 2.950% 05/05/2045	210,250	196,995	
	HUNGARY GOVERNMENT INTERN 144A 3.125% 09/21/2051	191,746	196,749	
	PACIFIC GAS AND ELECTRIC CO 4.950% 07/01/2050 DD 07/02/20	187,750	196,661	
	ROCHE HOLDINGS INC 144A 2.607% 12/13/2051 DD 12/13/21	200,000	195,910	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 05/07/2041	198,852	195,700	
	CVS HEALTH CORP 4.780% 03/25/2038 DD 03/09/18	155,336	195,550	
	WALMART INC 2.650% 09/22/2051 DD 09/22/21	189,297	195,079	
	SALESFORCE INC 2.900% 07/15/2051 DD 07/12/21	189,470	194,146	
	SOUTHERN CO/THE 4.400% 07/01/2046 DD 05/24/16	172,353	193,908	
	PACIFIC GAS AND ELECTRIC CO 3.950% 12/01/2047 DD 11/29/17	207,830	193,266	
	SOUTHERN COPPER CORP 5.875% 04/23/2045 DD 04/23/15	150,549	192,293	
	BP CAPITAL MARKETS AMERICA INC 3.379% 02/08/2061 DD 02/08/21	182,463	190,909	
	SOUTHERN CALIFORNIA EDISON CO 4.000% 04/01/2047 DD 03/24/17	177,409	188,066	
	CONSOLIDATED EDISON CO OF NEW 3.700% 11/15/2059 DD 11/08/19	173,444	187,565	
	NORTHERN STATES POWER CO/MN 3.600% 09/15/2047 DD 09/13/17	145,792	186,138	
	CHILE GOVERNMENT INTERNATIONAL 3.100% 01/22/2061	199,272	185,472	
	WALT DISNEY CO/THE 4.750% 11/15/2046 DD 11/15/19	162,510	185,345	
	WILLIAMS COS INC/THE 5.100% 09/15/2045 DD 03/03/15	158,041	184,898	
	AMAZON.COM INC 2.700% 06/03/2060 DD 06/03/20	187,750	183,971	
	T-MOBILE USA INC 4.375% 04/15/2040 DD 04/15/21	162,774	183,371	
	APPLE INC 2.650% 02/08/2051 DD 02/08/21	183,785	182,612	
	KAISER FOUNDATION HOSPITALS 3.002% 06/01/2051 DD 06/15/21	175,000	180,807	
	DOMINION ENERGY SOUTH CAROLINA 5.100% 06/01/2065 DD 05/22/15	143,046	179,490	
	DOW CHEMICAL CO/THE 4.375% 11/15/2042 DD 11/14/12	150,220	171,724	
	BANK OF AMERICA CORP VAR RT 03/15/2050 DD 03/15/19	174,723	171,323	
	WELLS FARGO & CO VAR RT 04/04/2051 DD 03/30/20	144,529	171,290	
	MERCK & CO INC 2.900% 12/10/2061 DD 12/10/21	169,521	169,551	
	MARSH & MCLENNAN COS INC 4.750% 03/15/2039 DD 01/15/19	140,660	168,747	
	GOLDMAN SACHS GROUP INC/THE VAR RT 04/23/2039 DD 04/23/18	139,715	167,636	
	KAISER FOUNDATION HOSPITALS 4.150% 05/01/2047 DD 05/03/17	150,758	166,983	
	COCA-COLA CO/THE 2.500% 06/01/2040 DD 05/01/20	164,919	166,104	
	BAYER US FINANCE II LLC 144A 4.700% 07/15/2064 DD 07/15/18	140,723	164,527	
	INTERCONTINENTAL EXCHANGE INC 3.000% 09/15/2060 DD 08/20/20	164,090	163,829	
	GOLDMAN SACHS GROUP INC/THE 5.150% 05/22/2045 DD 05/22/15	141,538	162,955	
	ORACLE CORP 3.950% 03/25/2051 DD 03/24/21	154,729	161,504	
	ORACLE CORP 4.000% 11/15/2047 DD 11/09/17	169,756	161,459	
	MCDONALD'S CORP 4.450% 09/01/2048 DD 08/15/18	138,283	160,611	
	PNC FINANCIAL SERVICES GROUP I 2.550% 01/22/2030 DD 01/22/20	154,566	159,500	
	AMGEN INC 3.150% 02/21/2040 DD 02/21/20	156,113	159,388	
	CHILE GOVERNMENT INTERNATIONAL 3.625% 10/30/2042	162,360	158,625	
	KINDER MORGAN INC 3.250% 08/01/2050 DD 08/05/20	153,840	158,483	

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, 2021

(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	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.375% 04/15/2038 DD 04/04/18	134,323	158,460	
	MORGAN STANLEY 4.375% 01/22/2047 DD 01/20/17	139,866	157,545	
	JPMORGAN CHASE & CO VAR RT 04/22/2042 DD 04/22/21	150,000	157,032	
	AERCAP IRELAND CAPITAL DAC / A 3.850% 10/29/2041 DD 10/29/21	149,648	156,671	
	LEIDOS INC 4.375% 05/15/2030 DD 05/15/21	138,851	155,977	
	AMAZON.COM INC 4.250% 08/22/2057 DD 02/22/18	132,335	155,572	
	EXXON MOBIL CORP 4.327% 03/19/2050 DD 03/19/20	125,000	154,028	
	SOUTHERN CALIFORNIA EDISON CO 3.600% 02/01/2045 DD 01/16/15	148,989	153,809	
	MICROSOFT CORP 2.525% 06/01/2050 DD 06/01/20	159,473	153,712	
	NORFOLK SOUTHERN CORP 3.155% 05/15/2055 DD 05/15/20	147,162	153,599	
	PFIZER INC 3.900% 03/15/2039 DD 03/11/19	141,343	153,353	
	GENERAL MOTORS CO 5.950% 04/01/2049 DD 09/10/18	108,601	151,039	
	NATIONAL RURAL UTILITIES COOPE 4.300% 03/15/2049 DD 01/31/19	137,511	150,407	
	SALESFORCE INC 2.700% 07/15/2041 DD 07/12/21	149,172	150,252	
	UNITEDHEALTH GROUP INC 3.875% 08/15/2059 DD 07/25/19	124,402	150,244	
	AMGEN INC 4.563% 06/15/2048 DD 12/15/16	129,072	149,273	
	CITIGROUP INC VAR RT 04/24/2048 DD 04/25/17	117,646	147,732	
	JOHNSON CONTROLS INTERNATIONAL VAR RT 07/02/2044 DD 07/02/16	114,594	147,122	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.450% 01/23/2039 DD 01/23/19	112,534	144,297	
	NVIDIA CORP 3.500% 04/01/2050 DD 03/31/20	124,678	143,035	
	BOEING CO/THE 5.805% 05/01/2050 DD 05/04/20	140,629	142,644	
	NORTHROP GRUMMAN CORP 4.030% 10/15/2047 DD 10/13/17	112,740	141,912	
	GLP CAPITAL LP / GLP FINANCING 5.300% 01/15/2029 DD 09/26/18	125,052	141,900	
	ROGERS COMMUNICATIONS INC 4.350% 05/01/2049 DD 04/30/19	119,600	139,534	
	BANK OF AMERICA CORP VAR RT 04/23/2040 DD 04/23/19	134,707	138,210	
	SOUTHERN CALIFORNIA EDISON CO 3.650% 02/01/2050 DD 01/09/20	134,896	138,061	
	FISERV INC 4.400% 07/01/2049 DD 06/24/19	114,296	137,477	
	CONSTELLATION BRANDS INC 3.750% 05/01/2050 DD 04/27/20	124,173	137,028	
	DUPONT DE NEMOURS INC 5.319% 11/15/2038 DD 11/28/18	105,314	135,608	
	OHIO EDISON CO 6.875% 07/15/2036 DD 06/26/06	128,121	135,430	
	PHILLIPS 66 3.300% 03/15/2052 DD 11/15/21	134,005	135,375	
	CONSOLIDATED EDISON CO OF NEW 4.500% 05/15/2058 DD 05/10/18	109,493	135,079	
	T-MOBILE USA INC 144A 3.400% 10/15/2052 DD 08/13/21	134,220	134,845	
	TRANE TECHNOLOGIES GLOBAL HOLD 4.300% 02/21/2048 DD 02/21/18	109,614	134,496	
	FEDEX CORP 5.250% 05/15/2050 DD 04/07/20	116,933	134,232	
	EQUINOR ASA 3.625% 04/06/2040 DD 04/06/20	118,886	133,651	
	SIMON PROPERTY GROUP LP 3.250% 09/13/2049 DD 09/13/19	129,481	133,592	
	RIO TINTO FINANCE USA LTD 5.200% 11/02/2040 DD 11/02/10	119,350	133,384	
	CATERPILLAR INC 3.250% 04/09/2050 DD 04/09/20	119,521	133,088	
	AMERICAN INTERNATIONAL GROUP I 3.875% 01/15/2035 DD 01/15/15	107,170	132,856	
	EXELON CORP 4.700% 04/15/2050 DD 04/01/20	128,414	132,267	
	NATIONWIDE MUTUAL INSURAN 144A 4.350% 04/30/2050 DD 04/30/20	115,444	132,178	
	ANHEUSER-BUSCH INBEV WORLDWIDE 5.550% 01/23/2049 DD 01/23/19	117,434	131,855	
	KYNDRYL HOLDINGS INC 144A 4.100% 10/15/2041 DD 10/15/21	134,398	131,038	
	ANHEUSER-BUSCH INBEV FINANCE I 4.000% 01/17/2043 DD 01/17/13	106,173	130,547	
	AETNA INC 4.125% 11/15/2042 DD 11/07/12	120,111	130,070	
	HALLIBURTON CO 4.850% 11/15/2035 DD 11/13/15	117,489	129,460	
	AMAZON.COM INC 4.050% 08/22/2047 DD 02/22/18	107,520	127,743	
	DUKE ENERGY CORP 3.300% 06/15/2041 DD 06/10/21	124,690	127,221	
	BP CAPITAL MARKETS AMERICA INC 3.060% 06/17/2041 DD 06/17/21	125,000	126,861	
	ALTRIA GROUP INC 3.700% 02/04/2051 DD 02/04/21	134,008	126,283	
	VIRGINIA ELECTRIC AND POWER CO 4.650% 08/15/2043 DD 08/15/13	113,103	125,626	
	EQUITABLE HOLDINGS INC 5.000% 04/20/2048 DD 10/20/18	95,988	125,300	
	SHERWIN-WILLIAMS CO/THE 4.500% 06/01/2047 DD 05/16/17	95,201	125,032	
	NORTHERN STATES POWER CO/MN 2.600% 06/01/2051 DD 06/15/20	127,553	124,531	
	VALE OVERSEAS LTD 3.750% 07/08/2030 DD 07/08/20	122,913	124,201	
	APPLE INC 2.700% 08/05/2051 DD 08/05/21	124,303	124,166	
	CHARTER COMMUNICATIONS OPERATI 4.800% 03/01/2050 DD 10/24/19	114,377	123,564	
	OTIS WORLDWIDE CORP 3.112% 02/15/2040 DD 08/15/20	120,555	123,420	
	AMERICAN WATER CAPITAL CORP 3.750% 09/01/2047 DD 08/10/17	103,504	123,091	
	SHELL INTERNATIONAL FINANCE BV 3.000% 11/26/2051 DD 11/26/21	120,275	122,417	
	IHS MARKIT LTD 4.750% 08/01/2028 DD 07/23/18	104,609	121,669	
	WALMART INC 2.500% 09/22/2041 DD 09/22/21	120,000	121,352	
	BANK OF AMERICA CORP VAR RT 10/20/2032 DD 10/20/21	120,000	120,720	
	BP CAPITAL MARKETS AMERICA INC 2.939% 06/04/2051 DD 12/04/20	119,953	120,461	

American Electric Power System Retirement Plan

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December 31, 2021

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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	
	CSX CORP 4.500% 08/01/2054 DD 07/21/14	99,928	119,977	
	VISA INC 2.000% 08/15/2050 DD 08/17/20	133,553	119,366	
	QUALCOMM INC 4.300% 05/20/2047 DD 05/26/17	108,761	118,102	
	HERSHEY CO/THE 3.125% 11/15/2049 DD 10/31/19	109,881	117,971	
	NORFOLK SOUTHERN CORP 4.800% 08/15/2043 DD 08/13/13	111,338	117,537	
	MPLX LP 5.200% 03/01/2047 DD 02/10/17	99,040	116,668	
	ALPHABET INC 2.250% 08/15/2060 DD 08/05/20	128,709	116,437	
	BANK OF AMERICA CORP VAR RT 03/13/2052 DD 03/11/21	105,000	116,312	
	EVERGY METRO INC 4.200% 06/15/2047 DD 06/15/17	94,894	115,891	
	BERKSHIRE HATHAWAY FINANCE COR 4.200% 08/15/2048 DD 08/15/18	94,518	115,682	
	ASTRAZENECA PLC 4.375% 11/16/2045 DD 11/16/15	97,949	115,631	
	DOMINION ENERGY INC 3.300% 04/15/2041 DD 04/05/21	109,903	114,573	
	BRISTOL-MYERS SQUIBB CO 2.350% 11/13/2040 DD 11/13/20	119,417	114,136	
	FORTIVE CORP 4.300% 06/15/2046 DD 06/15/17	103,039	114,079	
	COMCAST CORP 3.900% 03/01/2038 DD 02/08/18	99,515	113,411	
	BROADCOM INC 144A 3.500% 02/15/2041 DD 01/19/21	109,619	112,719	
	WALT DISNEY CO/THE 4.625% 03/23/2040 DD 03/23/20	89,790	112,153	
	STARBUCKS CORP 4.500% 11/15/2048 DD 08/10/18	88,484	111,672	
	ALABAMA POWER CO 3.450% 10/01/2049 DD 09/17/19	110,136	111,672	
	UNITEDHEALTH GROUP INC 3.750% 10/15/2047 DD 10/25/17	94,122	109,418	
	SUTTER HEALTH 3.361% 08/15/2050 DD 10/29/20	104,000	109,387	
	VERIZON COMMUNICATIONS INC 2.850% 09/03/2041 DD 09/03/21	109,734	108,840	
	ONEOK PARTNERS LP 6.850% 10/15/2037 DD 09/28/07	92,593	107,435	
	EXXON MOBIL CORP 4.227% 03/19/2040 DD 03/19/20	95,787	106,691	
	SHELL INTERNATIONAL FINANCE BV 2.875% 11/26/2041 DD 11/26/21	103,723	105,391	
	HCA INC 5.125% 06/15/2039 DD 06/12/19	84,223	104,927	
	WILLIAMS COS INC/THE 5.800% 11/15/2043 DD 11/15/13	92,308	104,503	
	BRIGHTHOUSE FINANCIAL INC 3.850% 12/22/2051 DD 11/22/21	104,922	104,319	
	CITIGROUP INC VAR RT 11/03/2042 DD 11/03/21	105,000	104,272	
	MASSACHUSETTS INSTITUTE OF TEC 2.989% 07/01/2050 DD 12/20/19	95,021	104,197	
	MPLX LP 4.900% 04/15/2058 DD 02/08/18	89,840	103,952	
	JOHNSON CONTROLS INTERNATIONAL STEP 07/02/2064 DD 07/02/2016	86,913	103,766	
	SUTTER HEALTH 3.161% 08/15/2040 DD 10/29/20	100,000	103,141	
	EQUINOR ASA 4.250% 11/23/2041 DD 11/23/11	88,078	102,423	
	METLIFE INC 4.050% 03/01/2045 DD 03/05/15	87,009	101,351	
	PUGET SOUND ENERGY INC 3.250% 09/15/2049 DD 08/30/19	95,502	100,577	
	NISOURCE INC 4.375% 05/15/2047 DD 05/22/17	108,039	100,411	
	ABBVIE INC 4.300% 05/14/2036 DD 05/12/16	76,791	100,270	
	ANHEUSER-BUSCH INBEV WORLDWIDE 4.350% 06/01/2040 DD 04/03/20	84,946	100,157	
	TRANSCANADA PIPELINES LTD 4.625% 03/01/2034 DD 02/28/14	88,190	99,918	
	ORACLE CORP 3.800% 11/15/2037 DD 11/09/17	94,643	99,417	
	SOUTHERN CO GAS CAPITAL CORP 3.150% 09/30/2051 DD 09/10/21	99,114	99,125	
	ECOLAB INC 2.700% 12/15/2051 DD 12/15/21	99,755	98,723	
	INTERNATIONAL BUSINESS MACHINE 2.850% 05/15/2040 DD 05/07/20	99,365	98,434	
	GILEAD SCIENCES INC 4.500% 02/01/2045 DD 11/17/14	111,210	97,828	
	FOX CORP 5.476% 01/25/2039 DD 01/25/20	76,084	96,948	
	NOVARTIS CAPITAL CORP 2.750% 08/14/2050 DD 02/14/20	92,826	96,331	
	BAT CAPITAL CORP 3.734% 09/25/2040 DD 09/25/20	100,000	96,306	
	NEW YORK LIFE INSURANCE C 144A 4.450% 05/15/2069 DD 04/04/19	74,459	95,820	
	ASTRAZENECA PLC 3.000% 05/28/2051 DD 05/28/21	88,771	94,703	
	MORGAN STANLEY VAR RT 04/22/2042 DD 04/22/21	90,000	94,559	
	LYB INTERNATIONAL FINANCE III 3.375% 10/01/2040 DD 10/08/20	89,793	93,989	
	ESTEE LAUDER COS INC/THE 3.125% 12/01/2049 DD 11/21/19	84,149	93,330	
	BP CAPITAL MARKETS AMERICA INC 3.001% 03/17/2052 DD 09/17/21	95,000	92,742	
	EXXON MOBIL CORP 3.452% 04/15/2051 DD 04/15/20	85,000	92,458	
	GILEAD SCIENCES INC 2.600% 10/01/2040 DD 09/30/20	94,573	91,779	
	LEIDOS INC 2.300% 02/15/2031 DD 02/15/21	94,547	91,464	
	ALTRIA GROUP INC 4.450% 05/06/2050 DD 05/06/20	96,380	91,078	
	JPMORGAN CHASE & CO VAR RT 11/08/2032 DD 11/08/21	90,000	90,731	
	XCEL ENERGY INC 3.500% 12/01/2049 DD 11/07/19	84,722	90,709	
	CIGNA CORP 3.875% 10/15/2047 DD 04/15/20	76,852	89,684	
	MORGAN STANLEY VAR RT 01/25/2052 DD 01/25/21	90,000	88,665	
	ENERGY TRANSFER LP 5.150% 02/01/2043 DD 01/22/13	74,747	88,454	
	VALERO ENERGY CORP 6.625% 06/15/2037 DD 06/08/07	80,252	87,749	
	ENERGY TRANSFER LP 6.125% 12/15/2045 DD 06/23/15	77,651	87,313	

American Electric Power System Retirement Plan

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December 31, 2021

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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	
	RAYTHEON TECHNOLOGIES CORP 2.820% 09/01/2051 DD 08/10/21	89,908	86,913	
	UNITEDHEALTH GROUP INC 3.700% 08/15/2049 DD 07/25/19	77,975	86,619	
	BHP BILLITON FINANCE USA LTD 5.000% 09/30/2043 DD 09/30/13	76,770	86,204	
	GLOBAL PAYMENTS INC 4.150% 08/15/2049 DD 08/14/19	92,519	85,849	
	VIRGINIA ELECTRIC AND POWER CO 2.950% 11/15/2051 DD 11/22/21	84,816	85,653	
	CITIGROUP INC VAR RT 01/24/2039 DD 01/24/18	74,966	85,494	
	NIKE INC 3.875% 11/01/2045 DD 10/29/15	71,492	84,267	
	PARAMOUNT GLOBAL 4.850% 07/01/2042 DD 06/20/12	66,964	82,371	
	CVS HEALTH CORP 4.125% 04/01/2040 DD 03/31/20	68,843	80,573	
	PFIZER INC 2.550% 05/28/2040 DD 05/28/20	83,762	80,057	
	INTEL CORP 3.250% 11/15/2049 DD 11/21/19	74,957	79,454	
	SHELL INTERNATIONAL FINANCE BV 3.750% 09/12/2046 DD 09/12/16	76,605	78,873	
	PFIZER INC 1.700% 05/28/2030 DD 05/28/20	79,751	78,458	
	T-MOBILE USA INC 3.000% 02/15/2041 DD 02/15/21	79,567	78,327	
	HOME DEPOT INC/THE 3.125% 12/15/2049 DD 01/13/20	78,869	78,285	
	EVERGY KANSAS CENTRAL INC 3.250% 09/01/2049 DD 08/19/19	78,281	78,065	
	UNION PACIFIC CORP 3.950% 08/15/2059 DD 08/05/19	64,482	77,198	
	RAYTHEON TECHNOLOGIES CORP 4.625% 11/16/2048 DD 08/16/18	77,079	77,123	
	INTERNATIONAL PAPER CO 7.300% 11/15/2039 DD 12/07/09	68,876	76,717	
	TRANSCANADA PIPELINES LTD 6.100% 06/01/2040 DD 06/01/10	64,604	76,470	
	BANK OF AMERICA CORP VAR RT 04/24/2038 DD 04/24/17	63,212	76,442	
	PFIZER INC 2.700% 05/28/2050 DD 05/28/20	76,014	75,749	
	DEVON ENERGY CORP 5.600% 07/15/2041 DD 07/12/11	60,509	75,446	
	HALLIBURTON CO 4.750% 08/01/2043 DD 08/05/13	60,823	74,894	
	BOEING CO/THE 3.825% 03/01/2059 DD 02/15/19	70,936	74,619	
	HOME DEPOT INC/THE 2.375% 03/15/2051 DD 01/07/21	78,925	73,973	
	NUTRIEN LTD 5.000% 04/01/2049 DD 04/01/19	58,789	73,891	
	ACE CAPITAL TRUST II 9.700% 04/01/2030 DD 03/31/00	76,125	73,452	
	ALTRIA GROUP INC 4.250% 08/09/2042 DD 08/09/12	74,514	73,297	
	PACIFIC GAS AND ELECTRIC CO 4.500% 07/01/2040 DD 07/02/20	79,540	73,077	
	GILEAD SCIENCES INC 2.800% 10/01/2050 DD 09/30/20	74,562	73,037	
	ENERGY TRANSFER LP 5.300% 04/15/2047 DD 01/17/17	62,130	72,062	
	MERCK & CO INC 2.750% 12/10/2051 DD 12/10/21	69,829	69,629	
	COCA-COLA CO/THE 3.000% 03/05/2051 DD 03/05/21	63,961	69,068	
	OTIS WORLDWIDE CORP 3.362% 02/15/2050 DD 08/15/20	65,452	68,755	
	CANADIAN NATIONAL RAILWAY CO 3.650% 02/03/2048 DD 02/06/18	58,266	68,696	
	ALPHABET INC 1.900% 08/15/2040 DD 08/05/20	74,528	68,516	
	TYSON FOODS INC 4.550% 06/02/2047 DD 06/02/17	66,062	68,382	
	MASTERCARD INC 2.950% 03/15/2051 DD 03/04/21	64,384	67,521	
	CHARTER COMMUNICATIONS OPERATI 4.400% 12/01/2061 DD 06/02/21	64,939	67,506	
	BANK OF AMERICA CORP VAR RT 10/22/2030 DD 10/22/19	65,000	67,180	
	CONSOLIDATED EDISON CO OF NEW 4.300% 12/01/2056 DD 11/16/16	58,644	65,613	
	RAYTHEON TECHNOLOGIES CORP 3.030% 03/15/2052 DD 11/16/21	64,976	65,575	
	COMMONWEALTH EDISON CO 4.000% 03/01/2049 DD 02/19/19	54,402	65,494	
	GOLDMAN SACHS GROUP INC/THE VAR RT 10/21/2032 DD 10/21/21	65,000	65,484	
	UNION ELECTRIC CO 4.000% 04/01/2048 DD 04/06/18	54,762	65,253	
	LAM RESEARCH CORP 2.875% 06/15/2050 DD 05/05/20	64,829	65,023	
	COMCAST CORP 144A 2.937% 11/01/2056 DD 08/19/21	65,673	64,100	
	HESS CORP 6.000% 01/15/2040 DD 12/14/09	39,987	63,645	
	EQUINOR ASA 3.700% 04/06/2050 DD 04/06/20	57,851	63,191	
	UNITEDHEALTH GROUP INC 3.050% 05/15/2041 DD 05/19/21	59,858	62,977	
	SUNCOR ENERGY INC 6.800% 05/15/2038 DD 05/15/08	60,249	62,853	
	SOUTHWESTERN PUBLIC SERVICE CO 3.150% 05/01/2050 DD 05/18/20	59,722	62,812	
	RAYTHEON TECHNOLOGIES CORP 4.500% 06/01/2042 DD 06/01/12	48,749	62,315	
	TRANE TECHNOLOGIES LUXEMBOURG 4.500% 03/21/2049 DD 03/21/19	56,762	62,072	
	BECTON DICKINSON AND CO 3.794% 05/20/2050 DD 05/20/20	58,203	61,940	
	MIDAMERICAN ENERGY CO 4.250% 07/15/2049 DD 01/09/19	49,859	61,910	
	AMERICAN INTERNATIONAL GROUP I 4.500% 07/16/2044 DD 07/16/14	48,188	61,759	
	BP CAPITAL MARKETS AMERICA INC 2.772% 11/10/2050 DD 08/10/20	62,232	61,192	
	CHUBB INA HOLDINGS INC 2.850% 12/15/2051 DD 11/18/21	59,951	60,431	
	MORGAN STANLEY VAR RT 10/20/2032 DD 10/19/21	60,000	60,013	
	NIKE INC 3.250% 03/27/2040 DD 03/27/20	54,656	59,993	
	ASTRAZENECA PLC 4.375% 08/17/2048 DD 08/17/18	41,207	58,277	
	DEVON ENERGY CORP 4.750% 05/15/2042 DD 05/14/12	56,592	58,045	
	FEDEX CORP 4.750% 11/15/2045 DD 10/23/15	50,299	57,448	

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, 2021

(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	
	JPMORGAN CHASE & CO VAR RT 05/13/2031 DD 05/13/20	55,000	57,004	
	CANADIAN PACIFIC RAILWAY CO 3.000% 12/02/2041 DD 12/02/21	54,713	56,405	
	MASTERCARD INC 3.850% 03/26/2050 DD 03/26/20	44,809	54,282	
	EOG RESOURCES INC 4.950% 04/15/2050 DD 04/14/20	39,765	54,227	
	SOUTHERN CALIFORNIA GAS CO 4.125% 06/01/2048 DD 05/15/18	44,953	53,890	
	PUGET SOUND ENERGY INC 4.300% 05/20/2045 DD 05/26/15	60,439	53,809	
	OVINTIV INC 6.500% 02/01/2038 DD 12/04/07	52,497	53,284	
	GEORGIA POWER CO 4.750% 09/01/2040 DD 08/31/10	45,510	53,215	
	CVS HEALTH CORP 5.050% 03/25/2048 DD 03/09/18	42,427	52,468	
	SOUTHERN CALIFORNIA EDISON CO 5.950% 02/01/2038 DD 01/22/08	51,631	51,814	
	PACIFIC LIFE INSURANCE CO 144A VAR RT 10/24/2067 DD 10/24/17	44,962	51,778	
	HUMANA INC 4.950% 10/01/2044 DD 09/19/14	45,864	51,594	
	NUTRIEN LTD 4.900% 06/01/2043 DD 12/01/17	41,473	51,240	
	NORFOLK SOUTHERN CORP 3.050% 05/15/2050 DD 05/11/20	49,883	51,126	
	NVIDIA CORP 3.500% 04/01/2040 DD 03/31/20	44,910	50,706	
	ABBVIE INC 4.550% 03/15/2035 DD 09/15/20	48,786	50,642	
	ROYALTY PHARMA PLC 3.300% 09/02/2040 DD 03/02/21	48,485	50,533	
	CHARTER COMMUNICATIONS OPERATI 3.900% 06/01/2052 DD 03/04/21	47,789	50,320	
	BAYLOR SCOTT & WHITE HOLDINGS 2.839% 11/15/2050 DD 01/21/21	50,000	50,219	
	MARSH & MCLENNAN COS INC 2.900% 12/15/2051 DD 12/08/21	49,754	50,045	
	GENERAL MOTORS CO 5.200% 04/01/2045 DD 11/12/14	38,768	49,638	
	PFIZER INC 4.000% 03/15/2049 DD 03/11/19	51,042	48,883	
	OGLETHORPE POWER CORP 3.750% 08/01/2050 DD 02/01/21	44,339	48,307	
	ONCOR ELECTRIC DELIVERY C 144A 2.700% 11/15/2051 DD 11/16/21	49,040	48,283	
	COMCAST CORP 3.200% 07/15/2036 DD 07/19/16	38,173	48,090	
	CHARTER COMMUNICATIONS OPERATI 6.484% 10/23/2045 DD 10/23/16	46,345	47,930	
	NORFOLK SOUTHERN CORP 4.150% 02/28/2048 DD 02/28/18	39,816	47,819	
	EASTERN GAS TRANSMISSION 144A 4.600% 12/15/2044 DD 06/15/21	49,534	47,711	
	VODAFONE GROUP PLC 4.375% 02/19/2043 DD 02/19/13	36,140	47,030	
	JPMORGAN CHASE & CO VAR RT 01/23/2049 DD 01/23/18	46,812	46,564	
	INTERNATIONAL FLAVORS & F 144A 3.268% 11/15/2040 DD 09/16/20	44,997	45,819	
	BOEING CO/THE 3.500% 03/01/2039 DD 02/15/19	42,547	45,767	
	INTEL CORP 2.800% 08/12/2041 DD 08/12/21	45,274	45,023	
	BOEING CO/THE 5.875% 02/15/2040 DD 07/28/09	44,298	44,905	
	NIKE INC 3.375% 11/01/2046 DD 10/21/16	33,576	44,676	
	FEDEX CORP 4.550% 04/01/2046 DD 03/24/16	38,371	44,478	
	CONSOLIDATED EDISON CO OF NEW 3.875% 06/15/2047 DD 06/08/17	47,336	43,834	
	INTERCONTINENTAL EXCHANGE INC 2.650% 09/15/2040 DD 08/20/20	44,823	43,705	
	WILLIAMS COS INC/THE 6.300% 04/15/2040 DD 02/09/10	38,741	43,434	
	AMERICAN WATER CAPITAL CORP 3.450% 05/01/2050 DD 04/14/20	41,763	42,708	
	APPLE INC 2.550% 08/20/2060 DD 08/20/20	44,520	42,468	
	RAYTHEON TECHNOLOGIES CORP 4.450% 11/16/2038 DD 08/16/18	34,794	42,283	
	TRANSCANADA PIPELINES LTD 4.875% 05/15/2048 DD 05/07/18	33,644	42,101	
	DEERE & CO 3.750% 04/15/2050 DD 03/30/20	34,999	41,493	
	ABBOTT LABORATORIES 4.900% 11/30/2046 DD 11/22/16	45,464	41,149	
	GOLDMAN SACHS GROUP INC/THE 2.600% 02/07/2030 DD 02/07/20	39,986	40,710	
	EXXON MOBIL CORP 3.095% 08/16/2049 DD 08/16/19	37,738	40,694	
	RAYTHEON TECHNOLOGIES CORP 4.050% 05/04/2047 DD 05/04/17	31,698	40,637	
	BALTIMORE GAS AND ELECTRIC CO 2.900% 06/15/2050 DD 06/05/20	39,611	39,900	
	CANADIAN NATURAL RESOURCES LTD 6.250% 03/15/2038 DD 03/19/07	35,400	39,558	
	AT&T INC 3.550% 09/15/2055 DD 03/15/21	33,361	38,290	
	BURLINGTON NORTHERN SANTA FE L 4.550% 09/01/2044 DD 08/18/14	34,987	37,951	
	SHELL INTERNATIONAL FINANCE BV 3.250% 04/06/2050 DD 04/06/20	35,492	37,380	
	MCDONALD'S CORP 4.200% 04/01/2050 DD 03/27/20	31,113	36,440	
	ONEOK INC 7.150% 01/15/2051 DD 05/07/20	26,532	36,138	
	EVERGY METRO INC 4.200% 03/15/2048 DD 03/01/18	29,349	35,856	
	PECO ENERGY CO 3.000% 09/15/2049 DD 09/10/19	34,712	35,467	
	NEW YORK LIFE INSURANCE C 144A 3.750% 05/15/2050 DD 04/14/20	29,817	34,268	
	GEORGIA POWER CO 5.650% 03/01/2037 DD 03/13/07	26,392	31,282	
	CANADIAN PACIFIC RAILWAY CO 3.100% 12/02/2051 DD 12/02/21	29,785	30,720	
	WILLIAMS COS INC/THE 3.500% 10/15/2051 DD 10/08/21	29,950	30,421	
	NORTHERN STATES POWER CO/MN 2.900% 03/01/2050 DD 09/10/19	29,421	30,405	
	CONSOLIDATED EDISON CO OF NEW 3.200% 12/01/2051 DD 12/02/21	30,000	30,100	
	COMMONWEALTH EDISON CO 3.700% 03/01/2045 DD 03/02/15	27,163	27,973	
	QUALCOMM INC 4.800% 05/20/2045 DD 05/20/15	26,753	27,909	

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, 2021

(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	
	SEMPRA ENERGY 4.000% 02/01/2048 DD 01/12/18	26,568	27,905	
	MARATHON PETROLEUM CORP 6.500% 03/01/2041 DD 09/01/11	18,953	26,185	
	BERKSHIRE HATHAWAY ENERGY CO 5.150% 11/15/2043 DD 11/08/13	23,823	25,843	
	CANADIAN NATURAL RESOURCES LTD 6.450% 06/30/2033 DD 09/16/02	24,038	25,744	
	UNITEDHEALTH GROUP INC 2.750% 05/15/2040 DD 05/18/20	24,271	25,452	
	ORACLE CORP 3.850% 04/01/2060 DD 04/01/20	24,904	24,787	
	NORFOLK SOUTHERN CORP 3.942% 11/01/2047 DD 05/01/18	21,095	24,387	
	WALT DISNEY CO/THE 6.400% 12/15/2035 DD 06/15/19	22,938	24,370	
	JOHNSON & JOHNSON 2.100% 09/01/2040 DD 08/25/20	24,834	23,719	
	RAYTHEON TECHNOLOGIES CORP 4.150% 05/15/2045 DD 05/04/15	18,524	23,381	
	ENERGY TRANSFER LP 5.300% 04/01/2044 DD 04/03/14	20,338	22,965	
	ENTERPRISE PRODUCTS OPERATING 4.250% 02/15/2048 DD 02/15/18	22,038	22,713	
	SUNCOR ENERGY INC 4.000% 11/15/2047 DD 11/15/17	18,094	22,303	
	EQUINOR ASA 3.250% 11/18/2049 DD 11/18/19	20,943	21,263	
	MIDAMERICAN ENERGY CO 3.150% 04/15/2050 DD 10/15/19	19,894	21,013	
	ORACLE CORP 4.000% 07/15/2046 DD 07/07/16	21,513	20,824	
	NEVADA POWER CO 3.125% 08/01/2050 DD 01/30/20	19,992	20,265	
	PACIFICORP 2.900% 06/15/2052 DD 07/09/21	19,847	19,707	
	HESS CORP 5.800% 04/01/2047 DD 09/28/16	19,259	19,220	
	ENTERPRISE PRODUCTS OPERATING 4.950% 10/15/2054 DD 10/14/14	18,164	18,992	
	SOUTHERN CALIFORNIA EDISON CO 5.625% 02/01/2036 DD 01/31/06	18,499	18,891	
	BRISTOL-MYERS SQUIBB CO 4.350% 11/15/2047 DD 05/15/20	20,089	18,538	
	BROADCOM INC 4.150% 11/15/2030 DD 05/08/20	16,379	16,652	
	BOEING CO/THE 3.900% 05/01/2049 DD 05/02/19	16,065	15,728	
	SOUTHERN CALIFORNIA EDISON CO 3.900% 03/15/2043 DD 03/07/13	11,794	12,819	
	AMERICAN WATER CAPITAL CORP 4.150% 06/01/2049 DD 05/13/19	11,901	11,844	
	TRANSCONTINENTAL GAS PIPE LINE 4.450% 08/01/2042 DD 07/13/12	10,415	11,726	
	LOWE'S COS INC 4.250% 09/15/2044 DD 09/10/14	11,549	11,349	
	COMMONSPIRIT HEALTH 3.910% 10/01/2050 DD 10/28/20	11,177	11,165	
	EVERSOURCE ENERGY 3.450% 01/15/2050 DD 01/10/20	10,676	10,561	
	AMERICAN INTERNATIONAL GROUP I 4.800% 07/10/2045 DD 07/10/15	6,370	6,426	
	BRISTOL-MYERS SQUIBB CO 4.550% 02/20/2048 DD 02/20/20	6,814	6,407	
	MPLX LP 5.500% 02/15/2049 DD 11/15/18	5,259	6,405	
	AMERICAN INTERNATIONAL GROUP I 4.750% 04/01/2048 DD 03/26/18	6,423	6,389	
	VOYA FINANCIAL INC 4.800% 06/15/2046 DD 06/13/16	5,863	6,211	
	JOHNSON CONTROLS INTERNATIONAL 4.500% 02/15/2047 DD 02/07/17	5,986	6,078	
	ALABAMA POWER CO 4.300% 07/15/2048 DD 06/28/18	4,962	6,066	
	AETNA INC 3.875% 08/15/2047 DD 08/10/17	4,431	5,580	
	HALLIBURTON CO 4.500% 11/15/2041 DD 11/14/11	4,289	5,550	
	COMMONWEALTH EDISON CO 4.350% 11/15/2045 DD 11/19/15	4,370	4,862	
	AMAZON.COM INC 2.500% 06/03/2050 DD 06/03/20	4,949	4,780	
Corporate Obligations Total		75,111,855	82,360,935	
U.S. Government Obligations				
	U S TREASURY BOND 3.000% 05/15/2047 DD 05/15/17	22,083,618	26,487,667	
	U S TREASURY BD PRIN STRIP 0.000% 08/15/2043 DD 08/15/13	4,970,245	6,865,238	
	U S TREASURY NOTE 0.625% 05/15/2030 DD 05/15/20	5,602,550	5,275,183	
	U S TREASURY BOND 3.000% 02/15/2048 DD 02/15/18	4,996,351	4,803,372	
	U S TREASURY BOND 2.500% 02/15/2046 DD 02/15/16	3,696,097	4,247,125	
	U S TREASURY BD PRIN STRIP 0.000% 02/15/2040 DD 02/16/10	2,606,648	3,473,156	
	U S TREASURY BOND 2.375% 05/15/2051 DD 05/15/21	3,235,021	3,317,046	
	U S TREASURY BOND 3.750% 11/15/2043 DD 11/15/13	2,702,074	3,136,555	
	U S TREASURY BOND 3.000% 02/15/2047 DD 02/15/17	1,965,481	2,395,605	
	U S TREASURY NOTE 1.625% 05/15/2031 DD 05/15/21	2,047,341	2,041,693	
	U S TREASURY BOND 1.625% 11/15/2050 DD 11/15/20	1,565,246	1,656,826	
	U S TREASURY BOND 1.875% 02/15/2051 DD 02/15/21	1,496,954	1,600,195	
	U S TREASURY BOND 3.000% 08/15/2048 DD 08/15/18	1,493,608	1,597,076	
	U S TREASURY BOND 3.000% 02/15/2049 DD 02/15/19	984,029	1,006,044	
	U S TREASURY BOND 2.875% 08/15/2045 DD 08/15/15	790,484	848,477	
	US TREAS-CPI INFLAT 0.875% 02/15/2047 DD 02/15/17	510,778	564,993	
	U S TREASURY BOND 4.375% 05/15/2040 DD 05/15/10	308,978	327,002	
	U S TREASURY BOND 1.875% 11/15/2051 DD 11/15/21	209,319	209,311	
	US TREAS-CPI INFLAT 0.250% 02/15/2050 DD 02/15/20	105,069	110,702	
	US TREAS-CPI INFLAT 0.125% 02/15/2051 DD 02/15/21	96,248	100,694	
U.S. Government Obligations Total		61,466,139	70,063,960	
Total 401(h) Investments		300,726,436	432,234,726	
Total Investments		\$ 4,950,095,446	\$ 5,818,217,554	

* Party-in-interest

Note: The information in this schedule has been certified as complete and accurate by Bank of New York Mellon/BNY Mellon, N.A., excluding information related to the partnership/joint venture interests.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 24 Change in Actuarial Assumptions

The segment interest rates used to calculate the funding target, target normal cost and to convert 417(e) based forms of payments were updated from the segment rates as of October 2019 to the segment rates as of October 2020

The mortality projection scale used to calculate the funding target and target normal cost was updated from Scale MP-2018 to Scale MP-2019, as required by IRC §430.

Assumed plan-related expenses of \$8,871,403 were added to the target normal cost.

Plan Name: American Electric Power System Retirement Plan
EIN / PN: 13-4922641/001
Plan Sponsor: American Electric Power Service Corporation
Valuation Date: January 1, 2021