

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 2023 This Form is Open to Public Inspection
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Part I Annual Report Identification Information
 For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A This return/report is for: a multiemployer plan a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.)

a single-employer plan a DFE (specify) M

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>DEFINED BENEFIT PLANS MTIA</u>	1b Three-digit plan number (PN) ▶ <u>006</u> 1c Effective date of plan
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>CONSOLIDATED NUCLEAR SECURITY, LLC</u> <u>P.O. BOX 2115</u> <u>602 SCARBORO ROAD</u> <u>OAK RIDGE, TN 37831-8258</u> <u>OAK RIDGE, TN 37830</u>	2b Employer Identification Number (EIN) <u>45-4482782</u> 2c Plan Sponsor's telephone number <u>865-574-1500</u> 2d Business code (see instructions)

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			
	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	<u>Filed with authorized/valid electronic signature.</u>	<u>09/30/2024</u>	<u>B. ELLEN HAWKS</u>
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
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
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	<div style="background-color: #cccccc; height: 20px; width: 100%;"></div> 6a(1) 6a(2) 6b 6c 6d 6e 6f 6g(1) 6g(2) 6h
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:

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

a Pension Schedules (1) <input type="checkbox"/> R (Retirement Plan Information) (2) <input type="checkbox"/> MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) <input type="checkbox"/> SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary (4) <input type="checkbox"/> DCG (Individual Plan Information) – Number Attached _____ (5) <input type="checkbox"/> MEP (Multiple-Employer Retirement Plan Information)	b General Schedules (1) <input checked="" type="checkbox"/> H (Financial Information) (2) <input type="checkbox"/> I (Financial Information – Small Plan) (3) <input type="checkbox"/> A (Insurance Information) – Number Attached _____ (4) <input checked="" type="checkbox"/> C (Service Provider Information) (5) <input checked="" type="checkbox"/> D (DFE/Participating Plan Information) (6) <input type="checkbox"/> G (Financial Transaction Schedules)
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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 2023 Form M-1 annual report. If the plan was not required to file the 2023 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 C (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning **01/01/2023** and ending **12/31/2023**

A Name of plan DEFINED BENEFIT PLANS MTIA	B Three-digit plan number (PN) ▶	006
C Plan sponsor's name as shown on line 2a of Form 5500 CONSOLIDATED NUCLEAR SECURITY, LLC	D Employer Identification Number (EIN) 45-4482782	

Part I Service Provider Information (see instructions)

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

1 Information on Persons Receiving Only Eligible Indirect Compensation

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

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

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

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

JP MORGAN CHASE BANK, N.A.

1111 POLARIS PARKWAY
COLUMBUS, OH 43240

20-6201314

(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	NONE	1783963	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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

WESTERN ASSET MANAGEMENT COMPANY

385 E. COLORADO BLVD.
PASADENA, CA 91101

95-2705767

(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	NONE	480052	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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

SANDS CAPITAL MANAGEMENT LLC

1000 WILSON BLVD 3000
ARLINGTON, VA 22209

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	NONE	395789	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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)

PGIM, INC.

655 BROAD STREET 8TH FLOOR
NEWARK, NJ 07102

22-2540245

(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	NONE	329729	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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

MARATHON ASSET MANAGEMENT LLP

1 BRYANT PARK 28
NEW YORK, NY 10036

61-6506892

(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	NONE	165478	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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

NORTHERN TRUST COMPANY

50 SOUTH LASALLE STREET
CHICAGO, IL 60603

36-1561860

(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	NONE	38873	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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)

BLACKROCK

400 HOWARD STREET
SAN FRANCISCO, CA 94105

94-3112180

(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	NONE	24792	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(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 <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(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 <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

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) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	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 <hr/> 2023 <hr/> This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan <u>DEFINED BENEFIT PLANS MTIA</u>	B Three-digit plan number (PN)	<u>006</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>CONSOLIDATED NUCLEAR SECURITY, LLC</u>	D Employer Identification Number (EIN) <u>45-4482782</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: BLUEBAY GLOBAL FUNDS TOTAL RETURN

b Name of sponsor of entity listed in (a): RBC GLOBAL ASSET MANAGEMENT (U.S) INC.

c EIN-PN <u>41-1460668-000</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>91227869</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: COMMINGLED PENSION TRUST FUND

b Name of sponsor of entity listed in (a): JPMORGAN CHASE BANK, N.A.

c EIN-PN <u>13-6038770-001</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>182114842</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: 91 GLOBAL SELECT - EMERGING MARKETS

b Name of sponsor of entity listed in (a): NINETY ONE

c EIN-PN <u>39-2079691-000</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>55543183</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: ARROWSTREET GLOBAL EQUITY ACWI CIT

b Name of sponsor of entity listed in (a): GLOBAL TRUST COMPANY

c EIN-PN <u>37-6607043-002</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>109388782</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: EQUITY INDEX FUND

b Name of sponsor of entity listed in (a): BLACKROCK INSTITUTIONAL TRUST COMPA

c EIN-PN <u>94-6052285-001</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>182986917</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: NT COLLECTIVE SHORT TERM INVNT

b Name of sponsor of entity listed in (a): NORTHERN TRUST INVESTMENTS, INC.

c EIN-PN <u>45-6138589-084</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>25862826</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: WESTERN ASSET US LONG DURATION, LLC

b Name of sponsor of entity listed in (a): WESTERN ASSET MANAGEMENT COMPANY, LLC

c EIN-PN <u>20-2721676-001</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>173794068</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

Part II	Information on Participating Plans (to be completed by DFEs, other than DCGs) (Complete as many entries as needed to report all participating plans. DCGs must report each participating plan using Schedule DCG.)
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a	Plan name	RETIREMENT PROGRAM FOR EMPLOYEES OF CNS,LLC AT THE U.S. DEPT OF ENERGY FACILITIES AT OAK RIDGE, TN		
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b	Name of plan sponsor	CONSOLIDATED NUCLEAR SECURITY, LLC	c	EIN-PN 45-4482782-001
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a	Plan name	RETIREMENT PLAN FOR BARGAINING UNIT EMPLOYEES OF THE METAL TRADES COUNCIL OF CNS, LLC		
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b	Name of plan sponsor	CONSOLIDATED NUCLEAR SECURITY, LLC	c	EIN-PN 45-4482782-002
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a	Plan name	CNS, LLC RETIREMENT PLAN FOR BARGAINING UNIT MEMBERS OF THE PANTEX GUARDS UNION		
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b	Name of plan sponsor	CONSOLIDATED NUCLEAR SECURITY, LLC	c	EIN-PN 45-4482782-008
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a	Plan name	CNS RETIREMENT PLAN FOR NON-BARGAINING PANTEX LOCATION EMPLOYEES		
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b	Name of plan sponsor	CONSOLIDATED NUCLEAR SECURITY, LLC	c	EIN-PN 45-4882782-010
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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a	Plan name			
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b	Name of plan sponsor		c	EIN-PN
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SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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 2023 This Form is Open to Public Inspection
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
A Name of plan DEFINED BENEFIT PLANS MTIA	B Three-digit plan number (PN) ▶ 006
C Plan sponsor's name as shown on line 2a of Form 5500 CONSOLIDATED NUCLEAR SECURITY, LLC	D Employer Identification Number (EIN) 45-4482782

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.

		(a) Beginning of Year	(b) End of Year
Assets			
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other	1b(3)	1346719	47809225
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)	56756791	69956654
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	6989156	6591461
(B) All other	1c(3)(B)	58213230	57849547
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)	63512623	98838940
(5) Partnership/joint venture interests	1c(5)	322620968	304814291
(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)	754621888	647124419
(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)	162309232	173794068
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	269592994	110030107
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)	48962600	2092196

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	1744926201	1518900908
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j	354616	513
k Total liabilities (add all amounts in lines 1g through 1j)	1k	354616	513
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	1744571585	1518900395

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)		
(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)		
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)	1984150	
(C) Corporate debt instruments	2b(1)(C)	3293839	
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)	142206	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		5420195
(2) Dividends:			
(A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)	154974	
(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)		154974
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets:			
(A) Aggregate proceeds	2b(4)(A)	116287450	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	112881445	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets:			
(A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)	14770946	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		52169133
(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)		11964889
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		21598500
c Other income.....	2c		1752539
d Total income. Add all income amounts in column (b) and enter total.....	2d		111237181

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)		
(2) To insurance carriers for the provision of benefits.....	2e(2)		
(3) Other.....	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		
f Corrective distributions (see instructions).....	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Interest expense.....	2h		
i Administrative expenses:			
(1) Salaries and allowances.....	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Recordkeeping fees.....	2i(3)		
(4) IQPA audit fees.....	2i(4)		
(5) Investment advisory and investment management fees.....	2i(5)	3179802	
(6) Bank or trust company trustee/custodial fees.....	2i(6)	38873	
(7) Actuarial fees.....	2i(7)		
(8) Legal fees.....	2i(8)		
(9) Valuation/appraisal fees.....	2i(9)		
(10) Other trustee fees and expenses.....	2i(10)		
(11) Other expenses.....	2i(11)		
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		3218675
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		3218675

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		108018506
l Transfers of assets:			
(1) To this plan.....	2l(1)		582294
(2) From this plan.....	2l(2)		334271990

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:

(2) EIN:

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

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

Part IV Compliance Questions

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

During the plan year:

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

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

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

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

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

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

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Non-Interest Bearing Cash - USD</i>			
USD - United States dollar	-1.370	-1.37	-1.37
Total - all currencies		-1.37	-1.37
Total Non-Interest Bearing Cash - USD		-1.37	-1.37
<i>Receivable Income - USD</i>			
United States - USD			
INCOME FROM SECURITIES LENDING ACTIVITIES	1.000	0.00	0.00
Total United States - USD		0.00	0.00
Total Receivable Income - USD		0.00	0.00
<i>Receivables - Other - USD</i>			
United States dollar	0.000	20,916.68	20,916.68
Pending trade sales: United States dollar	0.000	46,366,234.49	46,366,234.49
Total - all currencies		46,387,151.17	46,387,151.17
Total Receivables - Other - USD		46,387,151.17	46,387,151.17
<i>U.S. Government Securities</i>			
United States - USD			
UNITED STATES OF AMER TREAS BONDS DTD 02/15/2015 2.5% DUE 02-15-2045 REG SEDOL: BVVT273	4,525,000.000	4,897,106.49	3,440,767.56
UNITED STATES OF AMER TREAS BONDS DTD 05/15/2016 2.5% DUE 05-15-2046 REG SEDOL: BYZ2TS9	1,900,000.000	1,267,759.95	1,428,785.16
UNITED STATES OF AMER TREAS BONDS DTD 4.125% 08-15-2053 SEDOL: BRT3QH7	245,000.000	235,487.51	248,828.13
UNITED STATES OF AMER TREAS BONDS 2.875% 05-15-2052 SEDOL: BPSLLZ1	17,150,000.000	14,391,444.97	13,722,679.69

** All or a portion of this security participates in Securities Lending.

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>U.S. Government Securities</i>			
United States - USD			
UNITED STATES OF AMER TREAS BONDS 3.625% 05-15-2053 SEDOL: BQYLTM5	790,000.000	628,435.26	733,959.38
UNITED STATES OF AMER TREAS BONDS 3.625%02-15-2053 SEDOL: BQXLPR3	6,155,000.000	5,554,431.04	5,711,166.77
UNITED STATES OF AMER TREAS BONDS 3% DUE08-15-2052 SEDOL: BQHM4F3	2,910,000.000	2,455,863.83	2,391,542.59
UNITED STATES TREAS BDS 2.25% DUE 08-15-2046 SEDOL: BZ56WJ0	7,720,000.000	6,128,208.74	5,513,467.21
UNITED STATES TREAS BDS DTD 00246 3% DUE11-15-2045 REG SEDOL: BYQP1M5	3,390,000.000	2,547,597.79	2,800,590.23
UNITED STATES TREAS BDS DTD 11/15/2023 4.75% 11-15-2043 SEDOL: BP0VPN5	60,000.000	64,237.50	64,584.38
UNITED STATES TREAS BDS WIT 1 7/8 08/15/41 1.75% DUE 08-15-2041 REG SEDOL: BLDBLR0	9,220,000.000	6,845,700.17	6,438,513.26
UNITED STATES TREAS BDS 2% 11-15-2041 SEDOL: BPBMD5	21,695,000.000	20,302,735.92	15,756,841.16
UNITED STATES TREAS BDS 3% DUE 11-15-2044 REG SEDOL: BSJWZQ3	3,765,000.000	4,579,769.53	3,128,479.69
WI TREASURY SEC 2.875% DUE 08-15-2045 REG SEDOL: BYSJ1Z8	4,020,000.000	3,098,065.31	3,254,786.73
WI TREASURY SEC 3.375% DUE 11-15-2048 REG SEDOL: BGRW851	6,080,000.000	4,901,379.29	5,321,662.52
Total United States - USD		77,898,223.30	69,956,654.46
Total U.S. Government Securities		77,898,223.30	69,956,654.46
<i>Corporate Debt Instruments - Preferred</i>			
United Kingdom - USD			
GLAXOSMITHKLINE 6.375% DUE 05-15-2038 SEDOL: B88GFC2	130,000.000	158,184.00	151,360.69
Total United Kingdom - USD		158,184.00	151,360.69
United States - USD			
ABBOTT LABS 4.75% DUE 11-30-2036 SEDOL: BYVQ5V0	535,000.000	555,124.58	549,030.66

** All or a portion of this security participates in Securities Lending.

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Preferred</i>			
United States - USD			
ANTHEM INC 4.65% DUE 01-15-2043 SEDOL: BLSP6D8	350,000.000	354,352.90	324,157.51
BURL NORTHN SANTA 4.45% DUE 03-15-2043 SEDOL: B7YGHX4	270,000.000	299,435.40	251,541.66
BURLINGTON NORTHN SANTA FE LLC 5.15 09-01-2043 SEDOL: BD00GW4	160,000.000	157,755.20	164,371.16
BURLINGTON NORTHN SANTA FE LLC 4.9 DUE 04-01-2044 REG SEDOL: BKH0LR6	140,000.000	154,281.40	138,628.14
CONSUMERS ENERGY 3.1% DUE 08-15-2050 SEDOL: BKRLVG8	165,000.000	163,830.15	121,944.88
CONSUMERS ENERGY 4.2% DUE 09-01-2052 SEDOL: BNYNTF3	65,000.000	64,953.85	57,429.05
DTE ELEC CO 4.3% DUE 07-01-2044 SEDOL: BNZC562	255,000.000	258,272.55	227,498.12
DUKE ENERGY PROGRESS LLC 3.6% 09-15-2047 SEDOL: BF58H68	310,000.000	306,878.04	238,667.33
DUKE ENERGY 4 DUE 09-30-2042 SEDOL: B8GF9H4	320,000.000	282,524.80	274,665.53
DUKE ENERGY 4.15% DUE 12-01-2044 SEDOL: BSPCBB4	135,000.000	134,538.30	115,276.54
DUKE ENERGY 4.375% DUE 03-30-2044 SEDOL: BJZD6S6	105,000.000	104,979.00	92,926.40
FL PWR & LT CO 3.7% 12-01-2047 SEDOL: BF3RG04	140,000.000	138,892.60	113,601.06
FL PWR & LT CO 4.05% DUE 06-01-2042 SEDOL: B8C07L3	140,000.000	139,940.09	123,755.83
HERSHEY CO 2.65% DUE 06-01-2050 SEDOL: BMWP0F1	160,000.000	159,473.60	110,422.52
HOME DEPOT INC 4.875 DUE 02-15-2044 SEDOL: BDD8L53	150,000.000	147,730.58	148,920.28
MEDTRONIC INC 4.375% DUE 03-15-2035 SEDOL: BYMLDT8	201,000.000	213,266.99	196,527.34
MERCK & CO INC NEW 3.7% DUE 02-10-2045 SEDOL: BVG7BV9	125,000.000	122,860.36	106,620.24
MIDAMERICAN ENERGY 4.4% DUE 10-15-2044 SEDOL: BL9FK80	65,000.000	79,194.05	58,301.88

** All or a portion of this security participates in Securities Lending.

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Preferred</i>			
United States - USD			
NSTAR ELEC CO 4.4% DUE 03-01-2044 SEDOL: BKJ9BP9	190,000.000	192,942.05	170,084.52
PACIFICORP 6.35% DUE 07-15-2038 SEDOL: B3BQMW3	235,000.000	282,937.65	253,970.56
PUB SVC ELEC GAS FIXED 2.7% DUE 05-01-2050 SEDOL: BMVX324	220,000.000	219,102.40	151,302.16
PUBLIC SERVICE ELECTRIC 4.05% DUE 05-01-2048 SEDOL: BF4NQX4	355,000.000	352,802.55	309,138.63
SHELL INTERNATIONAL FIN 4.375% DUE 05-11-2045 SEDOL: BXQ9DY6	420,000.000	456,695.69	386,140.90
SHELL INTERNATIONAL FIN 4.55 DUE 08-12-2043 REG SEDOL: BCZQWS8	65,000.000	63,770.04	61,622.41
SHELL INTL FIN B V 6.375% DUE 12-15-2038 SEDOL: B90FLN7	130,000.000	172,061.25	150,063.76
UNION ELEC CO 4.0% DUE 04-01-2048 SEDOL: BFY3BS4	195,000.000	194,314.09	160,083.73
UNITEDHEALTH GROUP 4.25% DUE 04-15-2047 SEDOL: BD9GGT0	160,000.000	159,696.00	143,267.76
UNITEDHEALTH GROUP 4.625% DUE 07-15-2035 SEDOL: BYTRVR3	285,000.000	297,410.03	286,946.38
VISA INC 4.15% DUE 12-14-2035 SEDOL: BYPHG16	350,000.000	372,621.31	343,473.51
VISA INC 4.3% DUE 12-14-2045 SEDOL: BYPHFN1	245,000.000	269,617.44	229,184.72
WYETH NT 5.95 DUE 04-01-2037/03-27-2007 BEO SEDOL: B91ZLT2	345,000.000	444,652.44	380,535.38
Total United States - USD		7,316,907.38	6,440,100.55
Total Corporate Debt Instruments - Preferred		7,475,091.38	6,591,461.24
<i>Corporate Debt Instruments - Other</i>			
Australia - USD			
BHP BILLITON FIN USA LTD 5.25% 09-08-2033 SEDOL: BRJRLC9	135,000.000	128,255.40	140,314.23
Total Australia - USD		128,255.40	140,314.23

** All or a portion of this security participates in Securities Lending.

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
Belgium - USD			
ANHEUSER BUSCH INBEV WORLDWIDE INC 5.45% 01-23-2039 SEDOL: BJ555S5	225,000.000	218,995.70	237,734.05
ANHEUSER-BUSCH COS LLC CORP 4.7% 02-01-2036 SEDOL: BK5XW52	310,000.000	319,492.90	310,188.57
ANHEUSER-BUSCH COS LLC CORP 4.9% 02-01-2046 SEDOL: BJXS2M9	610,000.000	626,802.27	598,282.05
Total Belgium - USD		1,165,290.87	1,146,204.67
Canada - USD			
ENBRIDGE INC FIXED 4.5% DUE 06-10-2044 SEDOL: BYMLKX1	165,000.000	159,987.57	141,195.30
SUNCOR ENERGY INC 6.5% DUE 06-15-2038 SEDOL: BBVJ660	105,000.000	144,985.05	112,476.06
TRANSCANADA 4.625% DUE 03-01-2034 SEDOL: BLSP672	50,000.000	53,123.50	47,411.68
TRANSCANADA 6.2% DUE 10-15-2037 SEDOL: B287YY8	745,000.000	899,212.90	794,839.32
Total Canada - USD		1,257,309.02	1,095,922.36
France - USD			
TOTAL CAP INTL 3.127% DUE 05-29-2050 REG SEDOL: BMYC5X3	545,000.000	545,000.00	401,404.57
Total France - USD		545,000.00	401,404.57
Ireland - USD			
AERCAP IRELAND CAPITAL DAC GTD SR NT 3.4% 10-29-2033 SEDOL: BNVW1W4	200,000.000	155,778.00	171,734.22
Total Ireland - USD		155,778.00	171,734.22
Italy - USD			
ENI S P A 5.7% DUE 10-01-2040 CUSIP: 26874RAC2	140,000.000	151,396.00	136,246.72
Total Italy - USD		151,396.00	136,246.72

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
Norway - USD			
EQUINOR ASA 3.625% DUE 04-06-2040 SEDOL: BM8SST4	615,000.000	609,292.80	532,679.17
STATOIL ASA 3.95 DUE 05-15-2043 SEDOL: BLSP5D1	320,000.000	312,842.67	282,607.26
Total Norway - USD		922,135.47	815,286.43
Taiwan - USD			
TSMC ARIZONA CORP NEW ISSUE 20YR 3.125% 10-25-2041 SEDOL: BN7DNL4	235,000.000	232,410.30	188,749.94
Total Taiwan - USD		232,410.30	188,749.94
United Kingdom - USD			
ASTRAZENECA PLC 6.45% DUE 09-15-2037 SEDOL: B7FFL50	305,000.000	402,273.34	357,378.79
B A T CAP CORP FIXED 3.734% DUE 09-25-2040 SEDOL: BM9MPG1	115,000.000	115,000.00	84,780.25
B A T CAP CORP 4.54% 08-15-2047 SEDOL: BLR9BY7	170,000.000	191,320.90	130,946.76
HSBC HLDGS PLC 6.5% DUE 09-15-2037 SEDOL: BFN0JF9	320,000.000	392,962.54	346,811.74
HSBC HLDGS PLC 6.8% DUE 06-01-2038 SEDOL: B39GHK8	130,000.000	178,786.40	143,812.75
VODAFONE GROUP PLC 4.375% DUE 02-19-2043 SEDOL: BB0RG21	105,000.000	103,032.16	91,850.64
VODAFONE GROUP PLC 5.625% DUE 02-10-2053 SEDOL: BNHTNS9	85,000.000	83,307.65	86,143.69
Total United Kingdom - USD		1,466,682.99	1,241,724.62
United States - USD			
ABBVIE INC FIXED 4.5% DUE 05-14-2035 SEDOL: BXDZFY1	630,000.000	651,358.74	617,575.15
ABBVIE INC 4.55% DUE 03-15-2035 REG SEDOL: BMWB8H7	305,000.000	312,868.34	299,634.06
ABBVIE INC 4.875% DUE 11-14-2048 SEDOL: BGQW2K5	505,000.000	499,662.15	494,024.53

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
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Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
AEP TRANSM CO LLC 3.75% DUE 12-01-2047 CUSIP: 00115AAH2	275,000.000	275,510.75	218,863.23
AIR PRODS & CHEMS FIXED 2.7% DUE 05-15-2040 SEDOL: BKX8JV4	320,000.000	306,260.50	244,400.70
ALTRIA GROUP INC 4.0% DUE 02-04-2061 SEDOL: BKPJWH2	100,000.000	99,190.00	73,248.54
AMAZON COM INC FIXED 3.875% DUE 08-22-2037 CUSIP: 023135BF2	110,000.000	116,585.50	102,307.08
AMAZON COM INC FIXED 4.25% DUE 08-22-2057 CUSIP: 023135BM7	165,000.000	166,053.22	152,471.96
AMAZON COM INC NT 3.25% 05-12-2061 SEDOL: BNVX8J3	230,000.000	228,114.00	169,628.59
AMAZON COM INC 2.7% DUE 06-03-2060 CUSIP: 023135BU9	290,000.000	286,566.40	192,822.23
AMAZON COM INC 4.05% 08-22-2047 CUSIP: 023135BJ4	120,000.000	121,054.17	108,624.46
AMERICAN INTERNATIONAL GROUP INC BNDS 4.8% DUE 07-10-2045 REG SEDOL: BXSSDV8	90,000.000	89,334.90	84,945.35
AMERN TOWER CORP 3.1% DUE 06-15-2050 SEDOL: BMBKJ72	110,000.000	112,169.20	75,252.40
AMGEN INC FIXED 3.15% 02-21-2040 CUSIP: 031162CR9	680,000.000	689,266.80	530,577.71
AMGEN INC 2.77% 09-01-2053 SEDOL: BN0THC8	248,000.000	186,037.75	159,984.00
AMGEN INC 4.4% 05-01-2045 CUSIP: 031162BZ2	200,000.000	197,456.32	178,082.56
AMGEN INC 4.663% DUE 06-15-2051 SEDOL: BDRVZ12	90,000.000	98,882.10	82,125.56
AMGEN INC 5.15% DUE 11-15-2041 SEDOL: B76M525	226,000.000	236,137.19	221,524.95
AMGEN INC 5.65% 03-02-2053 SEDOL: BMTY5X4	110,000.000	109,841.60	116,247.55
ANTHEM INC 4.55% 03-01-2048 SEDOL: BGB6FS1	150,000.000	149,488.50	137,169.17
APPALACHIAN PWR CO 7% DUE 04-01-2038 SEDOL: B2QH9T0	150,000.000	185,173.50	173,802.55

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
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Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
APPLE INC 2.65% DUE 05-11-2050 REG CUSIP: 037833DW7	935,000.000	897,980.45	646,181.28
APPLE INC 3.85% DUE 05-04-2043 CUSIP: 037833AL4	55,000.000	53,953.90	49,134.82
APPLE INC 3.85% DUE 08-04-2046 CUSIP: 037833CD0	85,000.000	67,950.70	74,126.19
AT&T INC FIXED 5.15% DUE 02-15-2050 SEDOL: BH4NZW0	295,000.000	296,919.10	283,729.17
AT&T INC 3.55% DUE 09-15-2055 SEDOL: BNSLTY2	1,315,000.000	997,452.08	950,712.65
AT&T INC 3.8% 12-01-2057 CUSIP: 00206RMN9	433,000.000	420,988.28	323,314.76
AT&T INC 4.5% DUE 03-09-2048 SEDOL: BD3HCY6	235,000.000	217,685.20	205,763.67
AT&T INC 4.5% DUE 05-15-2035 SEDOL: BX2KBF0	165,000.000	157,592.54	156,614.69
BANK AMER CORP 3.311% DUE 04-22-2042 CUSIP: 06051GJW0	290,000.000	280,178.80	227,972.12
BANK AMER CORP 4.083% 03-20-2051 CUSIP: 06051GJA8	485,000.000	450,249.39	409,966.93
BANK OF AMERICA CORPORATION 4.244% 04-24-2038 CUSIP: 06051GGM5	460,000.000	457,109.80	416,425.78
BANK OF AMERICA CORPORATION 6.11% 01-29-2037 SEDOL: B83ZNK8	115,000.000	129,371.55	122,827.97
BERKSHIRE HATHAWAY ENERGY CO 2.85% 05-15-2051 CUSIP: 084659BC4	315,000.000	314,612.55	213,754.73
BERKSHIRE HATHAWAY FINANCE CORP 3.85% 03-15-2052 SEDOL: BKP9NP7	260,000.000	259,082.20	218,543.75
BIOGEN INC SR NT 3.25% 02-15-2051 SEDOL: BPQW6H3	473,000.000	455,636.21	340,189.60
BK NEW YORK MELLON CORP MEDIUM TERM TRANCHE # TR 00036 5.834% 10-25-2033 SEDOL: BM9WJ81	45,000.000	45,000.00	47,779.88
BK NEW YORK MELLON CORP MEDIUM TERM TRANCHE # TR 00038 4.706% 02-01-2034 SEDOL: BP9N2W0	415,000.000	415,000.00	406,706.53
BLACKROCK INC FIXED 1.9% DUE 01-28-2031 SEDOL: BMQ5X58	325,000.000	323,843.00	274,562.92

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
BOEING CO FIXED 5.705% DUE 05-01-2040 SEDOL: BM8XFQ5	125,000.000	125,000.00	129,721.51
BOEING CO 3.75% DUE 02-01-2050 SEDOL: BJGV2H0	205,000.000	203,267.75	159,755.75
BP CAP MKTS AMER INC 4.812% DUE 02-13-2033 SEDOL: BMZMHX6	230,000.000	230,000.00	232,347.77
BP CAP MKTS AMER INC 4.893% DUE 09-11-2033 SEDOL: BMCJWJ1	125,000.000	124,997.50	127,394.63
BP CAP MKTS AMER 2.772% DUE 11-10-2050 SEDOL: BMF3XC0	590,000.000	589,958.70	396,437.43
BRISTOL MYERS FIXED 4.25% DUE 10-26-2049 SEDOL: BMW2G98	125,000.000	133,385.50	108,883.16
BRISTOL MYERS SQUIBB CO 6.4% DUE 11-15-2063 SEDOL: BNDS35	330,000.000	329,950.50	383,974.13
CHARLES SCHWAB CORP 5.853% DUE 05-19-2034 SEDOL: BP4YBS7	210,000.000	210,000.00	217,071.99
CHEVRON CORP NEW 2.978% DUE 05-11-2040 SEDOL: BLB4P80	240,000.000	240,000.00	189,075.00
CIGNA CORP NEW CORP 4.9% DUE 12-15-2048 SEDOL: BKPHS34	60,000.000	76,309.80	57,096.56
CIGNA CORP NEW FIXED 3.4% DUE 03-15-2050 SEDOL: BL6BBV1	50,000.000	47,400.00	37,175.44
CISCO SYS INC SR NT 5.9 DUE 02-15-2039 REG CUSIP: 17275RAD4	145,000.000	186,977.37	161,265.56
CITIGROUP INC 2.904% DUE 11-03-2042 SEDOL: BNHX0S0	240,000.000	240,000.00	173,271.19
CITIGROUP INC 4.75% DUE 05-18-2046 SEDOL: BDGLCL2	375,000.000	377,172.07	336,616.31
CITIGROUP INC 5.316% DUE 09-26-2020 REG SEDOL: BLCBFR9	320,000.000	320,000.00	321,943.87
CITIGROUP INC 5.875 DUE 01-30-2042 SEDOL: B8WTN90	280,000.000	311,942.60	298,080.44
CITIGROUP INC 6.174% DUE 05-25-2034 SEDOL: BMJ0DB6	150,000.000	150,000.00	155,494.04
CITIGROUP INC 8.125% DUE 07-15-2039 SEDOL: B8G0DX3	140,000.000	222,432.00	180,803.21

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DEFINED BENEFIT PLANS
MTIA EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
COCA COLA CO FIXED 2.5% DUE 06-01-2040 SEDOL: BLB7Z01	395,000.000	394,806.45	299,610.49
COMCAST CORP NEW FIXED 2.937% DUE 11-01-2056 SEDOL: BQ7XJ28	1,029,000.000	805,326.27	680,323.62
COMCAST CORP NEW FIXED 3.969% DUE 11-01-2047 SEDOL: BFWQ3V2	230,000.000	207,177.10	193,771.74
COMCAST CORP NEW FIXED 3.999% DUE 11-01-2049 SEDOL: BFW31L9	53,000.000	51,625.87	44,382.84
COMCAST CORP NEW 2.987% 11-01-2063 SEDOL: BQB4RF6	78,000.000	61,366.60	50,561.24
COMCAST CORP NEW 4.2% DUE 08-15-2034 CUSIP: 20030NBM2	135,000.000	144,886.05	129,347.35
COMCAST CORP NEW 4% DUE 03-01-2048 SEDOL: BFY1YN4	100,000.000	98,193.00	84,276.06
COMCAST CORP 5.5% DUE 05-15-2064 SEDOL: BQPF829	90,000.000	89,577.00	95,128.77
COMMONWEALTH EDISON CO 3.85% 03-15-2052 SEDOL: BPQG0Y0	110,000.000	109,805.30	89,288.40
CONOCOPHILLIPS CO FIXED 4.025% DUE 03-15-2062 SEDOL: BPG4CH1	530,000.000	682,199.73	432,432.15
CONS EDISON CO N Y INC 4.45 DUE 03-15-2044 REG SEDOL: BJZD6Q4	430,000.000	461,554.71	386,296.71
CONS EDISON CO N Y 3.95% DUE 03-01-2043 SEDOL: B8MJ1K7	465,000.000	446,699.67	396,631.18
CONSOLIDATED EDISON CO N Y INC 3.35% DUE 04-01-2030 REG SEDOL: BK8TZ69	235,000.000	234,464.20	219,351.16
CORNING INC 5.45% DUE 11-15-2079 SEDOL: BJXCLS0	240,000.000	240,919.93	232,734.87
CSX CORP 3.35% DUE 09-15-2049 CUSIP: 126408HR7	65,000.000	64,548.90	49,347.38
CSX CORP 3.8% DUE 11-01-2046 SEDOL: BYMPHS7	455,000.000	432,380.97	379,374.48
CVS HEALTH CORP 2.7% DUE 08-21-2040 SEDOL: BMXRPP1	370,000.000	369,829.80	264,698.88
CVS HEALTH CORP 4.125% DUE 04-01-2040 REG SEDOL: BM6CF53	395,000.000	388,340.30	340,250.80

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
CVS HEALTH CORP 4.78% DUE 03-25-2038 SEDOL: BF4JK96	275,000.000	241,063.75	261,214.16
CVS HEALTH CORP 5.125% DUE 07-20-2045 SEDOL: BYPFC45	120,000.000	138,938.40	113,891.56
DISNEY WALT CO 2.75% DUE 09-01-2049 SEDOL: BJJJTB4	165,000.000	159,678.75	113,643.24
DISNEY WALT CO 3.5% DUE 05-13-2040 REG SEDOL: BMFKW68	210,000.000	174,710.50	177,285.62
DISNEY WALT CO 3.6% DUE 01-13-2051 REG SEDOL: BMDHPZ1	210,000.000	229,844.15	169,513.40
DISNEY WALT CO 4.625% DUE 03-23-2040 SEDOL: BMF33P3	70,000.000	78,985.79	68,393.34
DOMINION RES INC 4.7% DUE 12-01-2044 SEDOL: BSR9GC9	330,000.000	332,024.12	292,552.00
DOW CHEMICAL CO 4.375% DUE 11-15-2042 SEDOL: BFZDDH6	175,000.000	192,214.50	155,022.30
DOWDUPONT INC 5.319% DUE 11-15-2038 SEDOL: BGL9DP3	560,000.000	590,004.40	576,435.04
DOWDUPONT INC 5.419% DUE 11-15-2048 SEDOL: BGL9DS6	135,000.000	135,000.00	141,018.74
DUKE ENERGY 3.95% 03-15-2048 SEDOL: BFYS3G1	190,000.000	188,225.71	157,029.15
ELEVANCE HLTH INC 4.65% DUE 08-15-2044 SEDOL: BR17WN5	430,000.000	443,942.38	398,903.01
EMERSON ELEC CO FIXED 2.75% DUE 10-15-2050 SEDOL: BMF2DW7	110,000.000	109,865.80	75,558.90
EMERSON ELEC CO 2.8% DUE 12-21-2051/12-21-2021 BEO SEDOL: BLDBF90	95,000.000	94,789.10	65,585.12
ENTERPRISE PRODS FIXED 4.9% DUE 05-15-2046 SEDOL: BYZ5J66	230,000.000	249,090.25	220,248.65
ENTERPRISE PRODS OPER LLC 4.8% 02-01-2049 SEDOL: BF39VN8	75,000.000	74,542.50	71,093.30
ENTERPRISE PRODS 5.1% DUE 02-15-2045 SEDOL: BJT1608	210,000.000	215,960.85	206,805.63
EQUINIX INC FIXED 2.95% 09-15-2051 CUSIP: 29444UBM7	420,000.000	417,639.60	282,050.62

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DEFINED BENEFIT PLANS MTIA
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SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
EXELON CORP 4.1% DUE 03-15-2052 SEDOL: BKQN9J4	70,000.000	69,951.00	56,838.04
EXELON CORP 5.1% DUE 06-15-2045 SEDOL: BYVF9K4	250,000.000	260,094.87	237,184.91
EXELON GENERATION SR NT 6.25 DUE 10-01-2039 SEDOL: B4LVKD2	270,000.000	301,357.80	289,342.66
EXELON GENERATION 5.6 DUE 06-15-2042 SEDOL: B715FY1	95,000.000	97,725.43	95,086.91
EXXON MOBIL CORP 3.452% DUE 04-15-2051 REG SEDOL: BMDSC31	655,000.000	655,000.00	516,252.88
EXXON MOBIL CORP 4.227% DUE 03-19-2040 SEDOL: BL68H58	620,000.000	628,321.26	577,589.77
FEDEX CORP 3.9% DUE 02-01-2035 SEDOL: BV9HFH0	85,000.000	84,610.70	77,776.75
FEDEX CORP 4.05% DUE 02-15-2048 SEDOL: BF42ZD4	340,000.000	331,525.73	284,229.65
FL PWR & LT CO 5.95% DUE 02-01-2038 SEDOL: B2Q0F35	315,000.000	399,870.45	345,519.92
FLORIDA PWR CORP 3.85% DUE 11-15-2042 SEDOL: B8HN579	255,000.000	250,172.85	211,053.32
FOX CORP 5.476% DUE 01-25-2039 SEDOL: BMPRYX0	290,000.000	290,000.00	282,713.20
GA PWR CO SR NT SER 2012A 4.3 DUE 03-15-2042 SEDOL: B78K6L3	463,000.000	479,057.67	410,783.14
GEN DYNAMICS CORP FIXED 4.25% DUE 04-01-2040 SEDOL: BMFFMZ2	165,000.000	181,938.09	154,361.78
GEORGIA PWR CO 4.3% DUE 03-15-2043 SEDOL: B9LV101	290,000.000	283,393.20	253,025.17
GILEAD SCIENCES 4.15% DUE 03-01-2047 CUSIP: 375558BK8	195,000.000	205,094.44	170,327.47
GILEAD SCIENCES 4.75% DUE 03-01-2046 CUSIP: 375558BD4	395,000.000	406,131.44	377,710.31
GILEAD SCIENCES 4.8% DUE 04-01-2044 SEDOL: BKHDRD3	75,000.000	74,854.50	72,632.71
GOLDMAN SACHS GROUP INC 2.65% 10-21-2032 CUSIP: 38141GYN8	330,000.000	249,284.50	275,442.10

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<i>Corporate Debt Instruments - Other</i>			
United States - USD			
GOLDMAN SACHS GROUP INC 4.411% 04-23-2039 CUSIP: 38141GXA7	50,000.000	48,392.50	45,384.54
GOLDMAN SACHS 6.75% DUE 10-01-2037 SEDOL: B9CMD63	780,000.000	942,030.54	860,676.61
HOME DEPOT INC 3.3% DUE 04-15-2040 REG SEDOL: BMQ5MC8	205,000.000	203,183.70	169,891.27
JPMORGAN CHASE & CO 3.882% 07-24-2038 SEDOL: BF348B0	325,000.000	294,092.50	288,832.22
JPMORGAN CHASE & CO 4.032% 07-24-2048 CUSIP: 46647PAK2	460,000.000	459,116.08	393,116.32
JPMORGAN CHASE & CO 5.4 SNR NTS DUE 01-06-2042 USD1000 SEDOL: B7FRRL4	110,000.000	121,821.85	114,305.40
JPMORGAN CHASE & CO. 2.956% 05-13-2031 SEDOL: BMV5T55	130,000.000	130,000.00	114,421.04
JPMORGAN CHASE & 5.6% DUE 07-15-2041 SEDOL: B6QKFT9	580,000.000	669,795.60	618,501.10
KEYBANK NATL ASSN CLEVELAND OHIO GLOBAL 5.0% 01-26-2033 SEDOL: BPX27P1	250,000.000	231,217.50	234,175.54
KINDER MORGAN INC 5.55% DUE 06-01-2045 SEDOL: BSXNP73	350,000.000	361,706.03	337,870.38
KINDER MORGAN 5.5 DUE 03-01-2044 SEDOL: BJZXT76	275,000.000	275,417.80	260,759.34
KINDER MORGAN 6.95% DUE 01-15-2038 SEDOL: B1Z54W6	150,000.000	182,743.50	165,014.47
KROGER CO 4.45% DUE 02-01-2047 SEDOL: BYND735	55,000.000	65,143.65	48,699.62
LOCKHEED MARTIN CORP 4.09% 09-15-2052 SEDOL: BF38WR6	265,000.000	265,969.90	236,423.63
LOCKHEED MARTIN 3.8% DUE 03-01-2045 SEDOL: BVYPPC4	105,000.000	100,039.87	90,638.55
LOCKHEED MARTIN 4.07% DUE 12-15-2042 SEDOL: BBD6G92	145,000.000	134,183.93	131,077.05
LOCKHEED MARTIN 4.7% DUE 05-15-2046 SEDOL: BDB6944	175,000.000	172,408.25	171,768.65
LOWES COS INC 4.05% DUE 05-03-2047 SEDOL: BYWC120	135,000.000	132,907.23	111,480.46

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YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
LOWES COS INC 4.25% DUE 09-15-2044 SEDOL: BQQLW68	85,000.000	87,339.00	70,021.61
LOWES COS INC 5% DUE 04-15-2040 SEDOL: BMH1W03	320,000.000	318,505.60	312,005.41
MARSH & MCLENNAN 4.9% DUE 03-15-2049 SEDOL: BJ2NYF2	340,000.000	339,636.20	330,059.08
MASTERCARD INC 3.65% DUE 06-01-2049 SEDOL: BHTBS19	100,000.000	105,199.50	84,701.30
MCDONALD'S CORPORATION 3.6% DUE 07-01-2030 SEDOL: BLCCBX0	130,000.000	129,045.80	123,498.47
MCDONALDS CORP 4.45% DUE 03-01-2047 REG SEDOL: BDFC7W2	220,000.000	220,578.87	201,269.68
MCDONALDS CORP FIXED 4.6% DUE 05-26-2045 SEDOL: BY3R500	230,000.000	240,896.25	216,508.12
MEM 2.955% DUE 01-01-2050 SEDOL: BMHGV23	180,000.000	180,000.00	129,430.89
MERCK & CO INC 2.9% DUE 12-10-2061 SEDOL: BLHM7R1	50,000.000	49,859.00	33,607.25
MERCK & CO INC NEW FIXED 2.45% DUE 06-24-2050 SEDOL: BMBQJZ8	325,000.000	317,346.25	215,372.13
MERRILL LYNCH & CO 7.75% DUE 05-14-2038 SEDOL: BBMT8T6	145,000.000	181,797.18	176,767.24
METLIFE INC STEP CPN 4.721% DUE 12-15-2044 SEDOL: BRF1CN3	15,000.000	15,137.70	14,205.41
METLIFE INC 4.875% DUE 11-13-2043 SEDOL: BGDXXK74	120,000.000	138,088.80	117,346.91
METLIFE INC 5.7% DUE 06-15-2035 SEDOL: B0BXDC0	105,000.000	120,147.30	113,105.96
METLIFE INC 5.875% DUE 02-06-2041 SEDOL: B4Z51H1	100,000.000	115,252.46	109,218.51
MICROSOFT CORP 2.525% DUE 06-01-2050 BEO SEDOL: BM9DJ73	55,000.000	54,810.25	37,739.37
MICROSOFT CORP 4.1% DUE 02-06-2037 SEDOL: BYP2P70	415,000.000	439,540.09	408,440.47
MIDAMERICAN ENERGY 5.95% DUE 05-15-2037 SEDOL: B2374T8	105,000.000	131,954.55	111,948.80

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
MIDAMERICAN ENERGY 6.125% DUE 04-01-2036 SEDOL: B1FTHZ2	250,000.000	326,162.50	271,401.17
MORGAN STANLEY 2.239% 07-21-2032 SEDOL: BNZKG63	280,000.000	213,410.00	228,611.94
MORGAN STANLEY 3.971% 07-22-2038 SEDOL: BZ9P947	305,000.000	306,498.02	267,364.80
MORGAN STANLEY 4.3% DUE 01-27-2045 SEDOL: BVRZ811	70,000.000	67,271.22	63,351.56
MORGAN STANLEY 6.375% DUE 07-24-2042 SEDOL: B98G6S2	65,000.000	88,902.70	75,459.04
NEW YORK LIFE INS 6.75% DUE 11-15-2039 SEDOL: B4VBR19	490,000.000	661,379.36	564,920.78
NIKE INC FIXED 3.25% DUE 03-27-2040 SEDOL: BKSG5P9	95,000.000	94,405.30	80,034.70
NORFOLK SOUTHN CORP 3.155% DUE 05-15-2055 SEDOL: BN79088	230,000.000	150,673.00	162,288.02
NORFOLK SOUTHN 3.05% DUE 05-15-2050 SEDOL: BL6L2C9	415,000.000	414,024.75	296,106.60
NORTHROP GRUMMAN 4.03% DUE 10-15-2047 SEDOL: BF15KD1	50,000.000	58,246.00	42,974.79
NORTHROP GRUMMAN 4.75% DUE 06-01-2043 SEDOL: BB9ZSW0	780,000.000	771,471.09	749,419.25
NORTHWESTERN UNIV 2.64% DUE 12-01-2050 SEDOL: BLB6SV0	250,000.000	250,000.00	173,651.53
NVIDIA CORP 3.5% DUE 04-01-2040 CUSIP: 67066GAG9	230,000.000	222,587.60	200,008.21
ORACLE CORP 3.9% DUE 05-15-2035 SEDOL: BWTM367	50,000.000	56,244.75	44,684.76
ORACLE CORP 4.125% DUE 05-15-2045 SEDOL: BWTM334	510,000.000	506,661.30	417,697.60
ORACLE CORP 4.3% DUE 07-08-2034 SEDOL: BP4W534	125,000.000	125,939.71	117,038.48
ORACLE CORP 4% 11-15-2047 SEDOL: BD390R1	155,000.000	154,273.05	122,798.88
ORACLE CORP 5.375 DUE 07-15-2040 SEDOL: B7FNML7	115,000.000	122,687.75	113,332.19

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
ORACLE CORP 6.125% DUE 07-08-2039 SEDOL: B3LR141	135,000.000	176,133.15	143,929.43
PACIFIC GAS & ELEC CO 5.25% 03-01-2052 SEDOL: BPP37W9	280,000.000	276,470.16	249,736.27
PACIFICORP 5.5% 05-15-2054 SEDOL: BNBXR85	245,000.000	244,892.20	241,106.22
PARKER-HANNIFIN FIXED 4.2% DUE 11-21-2034 SEDOL: BSPPVL3	550,000.000	566,501.60	528,761.67
PARTNERS HEALTHCARE SYS INC 3.192% DUE 07-01-2049 SEDOL: BL1NJJ6	50,000.000	52,906.00	36,805.87
PEPSICO INC 3.625% DUE 03-19-2050 CUSIP: 713448EU8	130,000.000	129,316.20	109,519.16
PFIZER INVESTMENT ENTER 5.3% 05-19-2053 SEDOL: BQ66T84	410,000.000	409,389.10	420,218.10
PHILIP MORRIS INTERNATIONAL INC 3.875 BDS DUE 08-21-2042 USD1000 SEDOL: B90G0K0	400,000.000	364,030.08	328,543.84
PHILLIPS 66 3.3% DUE 03-15-2052 SEDOL: BNM6J09	310,000.000	307,715.30	222,910.19
PHILLIPS 66 4.65% DUE 11-15-2034 SEDOL: BSPCBQ9	320,000.000	327,587.17	311,695.57
PPL ELEC UTILS 4.125% DUE 06-15-2044 SEDOL: BN7DSM0	240,000.000	240,306.10	208,574.18
PRAXAIR INC 3.55% DUE 11-07-2042 SEDOL: B7XR437	60,000.000	57,621.00	49,897.83
PROCTER & GAMBLE CO 3.55% DUE 03-25-2040REG SEDOL: BL63N11	160,000.000	159,204.80	142,954.44
PUBLIC SERVICE CO OF COLORADO 4.5% 06-01-2052 SEDOL: BMH3RJ3	65,000.000	64,290.85	57,096.87
PUBLIC SVC CO COLO 4.1% DUE 06-15-2048 CUSIP: 744448CQ2	235,000.000	235,421.68	191,455.40
PVTPL BG ENERGY CAP PLC GTD NT 144A 5.125% DUE 10-15-2041 BEO CUSIP: 05541VAF3	200,000.000	227,108.00	190,850.03
PVTPL MASSACHUSETTS MUT LIFE INS CO SURPLUS NT 3.375% 04-15-2050 SEDOL: BLB4M78	85,000.000	84,649.80	62,217.91
PVTPL NESTLE HLDGS INC 3.9% 09-24-2038 SEDOL: BG0QJS0	400,000.000	395,724.00	367,850.06

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**DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023**

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
PVTPL NEW YORK LIFE INS CO 3.75% DUE 05-15-2050 SEDOL: BLGYKF7	100,000.000	99,389.00	80,332.58
PVTPL NORTHERN NAT GAS CO DEL SR BD 144A4.3% 01-15-2049 CUSIP: 665501AL6	105,000.000	108,945.90	87,796.39
PVTPL NORTHWESTERN MUT LIFE INS CO 3.625% 09-30-205 SEDOL: BJXLHN4	673,000.000	604,411.39	501,049.44
RTX CORPORATION 5.375% 02-27-2053 SEDOL: BQS6QG9	430,000.000	429,234.60	438,506.67
SHELL INTL FIN B V GTD NT 5.5 DUE 03-25-2040 SEDOL: B4XNLW2	160,000.000	204,995.20	170,926.38
SIMON PPTY GROUP L FIXED 3.25% 09-13-2049 SEDOL: BKMGXX9	135,000.000	134,461.35	97,883.39
SOUTHERN CALIF EDISON CO 4.65 DUE 10-01-2043 SEDOL: BF6DYS3	180,000.000	178,761.60	164,443.07
SOUTH CAL EDISON 3.9 DUE 03-15-2043 SEDOL: B91R9M7	290,000.000	295,515.80	238,249.49
SOUTHWESTN ELEC 3.85% DUE 02-01-2048 SEDOL: BD1DDS7	305,000.000	294,544.04	229,664.87
SOUTHWESTN ELEC 6.2% DUE 03-15-2040 SEDOL: B618D27	100,000.000	126,638.00	106,496.89
SOUTHWESTN PUB SVC FIXED 4.4% 11-15-2048 SEDOL: BGYKMF6	240,000.000	238,452.00	202,343.39
STARBUCKS CORP FIXED 4.45% 08-15-2049 CUSIP: 855244AU3	210,000.000	209,630.40	191,409.70
STARBUCKS CORP 3.5% DUE 11-15-2050 CUSIP: 855244BA6	380,000.000	377,454.00	296,168.27
STRYKER CORP 4.375 DUE 05-15-2044 REG SEDOL: BM56JF4	225,000.000	226,748.25	205,811.47
T-MOBILE USA INC FIXED 5.65% DUE 01-15-2053 SEDOL: BN72M69	245,000.000	244,350.75	256,040.44
T-MOBILE USA INC 3.4% 10-15-2052 CUSIP: 87264ACT0	575,000.000	553,971.45	420,642.33
T-MOBILE USA INC 3.6% 11-15-2060 CUSIP: 87264ABY0	115,000.000	116,079.85	83,692.30
T-MOBILE USA INC 6.0% 06-15-2054 SEDOL: BN4P5S4	90,000.000	89,847.00	99,105.10

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
TEXAS INSTRS INC FIXED 5% 03-14-2053 SEDOL: BMF9DQ2	250,000.000	249,152.50	257,040.95
TEXAS INSTRUMENTS INC 5.05% DUE 05-18-2063 SEDOL: BMCJZD6	300,000.000	297,501.00	308,877.19
TIME WARNER CABLE 5.5% DUE 09-01-2041 SEDOL: B441BS1	470,000.000	468,327.90	407,725.42
TRUIST FINANCIAL CORPORATION 5.867% 06-08-2034 SEDOL: BRBD998	210,000.000	210,000.00	214,653.15
TRUIST FINL CORP SR MED TERM NTS 5.122% 01-26-2034 SEDOL: BPX1Z87	275,000.000	266,074.50	267,325.19
U S BANCORP MEDIUM TERM NTS- BOOK ENTRY 4.839% 02-01-2034 CUSIP: 91159HJL5	375,000.000	375,000.00	359,840.73
U S BANCORP 5.85% 10-21-2033 SEDOL: BM9WJ58	40,000.000	40,000.00	41,298.32
UNION PAC CORP FIXED 3.79% DUE 04-06-2071 SEDOL: BMCFFP6	155,000.000	158,060.79	123,073.37
UNION PAC CORP 3.25% DUE 02-05-2050 SEDOL: BKDMLD2	480,000.000	453,364.80	369,412.15
UNION PAC CORP 3.799% DUE 10-01-2051 SEDOL: BDCWS88	99,000.000	81,345.07	83,111.65
UNION PAC CORP 3.839% DUE 03-20-2060 BEO SEDOL: BLF0CQ1	65,000.000	77,016.55	53,268.30
UNITED PARCEL SVC INC 5.05% 03-03-2053 SEDOL: BQMRXX4	185,000.000	184,034.30	192,475.77
UNITEDHEALTH GROUP INC 2.75% DUE 05-15-2040/05-18-2020 REG SEDOL: BM95BC8	255,000.000	247,564.20	193,008.52
UNITEDHEALTH GROUP 5.7% DUE 10-15-2040 SEDOL: B55H840	340,000.000	397,213.90	365,932.51
UTD PARCEL SVC INC 3.75% 11-15-2047 SEDOL: BDRYRR1	255,000.000	254,359.95	216,690.83
VERIZON COMMUNICATIONS INC 2.987% 10-30-2056 USD SEDOL: BMXT869	264,000.000	233,349.76	175,335.38
VERIZON COMMUNICATIONS 3.7% DUE 03-22-2061 BEO SEDOL: BKY5GZ7	235,000.000	235,543.65	179,767.55
VERIZON COMMUNICATIONS 4.4% DUE 11-01-2034 REG SEDOL: BSBN5N1	235,000.000	237,563.85	226,544.55

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SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Debt Instruments - Other</i>			
United States - USD			
VERIZON 2.65% DUE 11-20-2040 SEDOL: BMWBBK1	605,000.000	546,805.35	437,368.54
VERIZON 3.85% DUE 11-01-2042 SEDOL: B8HCRP8	60,000.000	53,792.64	50,387.04
VERIZON 4.672% DUE 03-15-2055 SEDOL: BYM0W21	245,000.000	208,004.14	226,747.12
VERIZON 4.862% DUE 08-21-2046 SEDOL: BXVMD62	425,000.000	434,311.75	406,999.50
VIATRIS INC SR NT 3.85% 06-22-2040 SEDOL: BL5BZB0	135,000.000	134,719.20	100,724.85
VIRGINIA ELEC & PWR CO 4.65 DUE 08-15-2043 SEDOL: BD1NQR7	170,000.000	182,584.70	156,387.65
WACHOVIA BK NATL ASSN MEDIUM TERM SUB BKTRANCHE # SB 00009 6.6 DUE 01-15-2038 SEDOL: B7XGYR8	505,000.000	674,171.32	563,125.35
WACHOVIA BK NATL ASSN MTN SUB BKTRANCHE # SB 00007 5.85 DUE 02-01-2037 BEO SEDOL: B1PB082	645,000.000	757,904.85	678,323.83
WALMART INC NT 2.65% 09-22-2051 SEDOL: BMDP812	210,000.000	209,223.00	147,053.13
WARNERMEDIA HLDGS INC 5.141% 03-15-2052 CUSIP: 55903VBE2	405,000.000	398,256.75	349,456.99
WARNERMEDIA HOLDINGS INC. 5.05% 03-15-2042 SEDOL: BQPF8K7	45,000.000	45,000.00	39,818.06
WASTE MANAGEMENT INC 2.95% DUE 06-01-2041 SEDOL: BMBVPZ5	210,000.000	208,924.80	164,350.54
WELLS FARGO & CO MEDIUM TERM 5.013% 04-04-2051 CUSIP: 95000U2M4	170,000.000	170,000.00	161,772.50
Total United States - USD		59,983,029.82	52,511,959.29
Total Corporate Debt Instruments - Other		66,007,287.87	57,849,547.05
<i>Corporate Stock - Common</i>			
Brazil - USD			
NU HOLDINGS LTD CUSIP: G6683N103	286,611.000	2,211,569.81	2,387,469.63
Total Brazil - USD		2,211,569.81	2,387,469.63

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EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Stock - Common</i>			
Canada - USD			
SHOPIFY INC CL A SHOPIFY INC CUSIP: 82509L107	43,045.000	3,587,051.11	3,353,205.50
Total Canada - USD		3,587,051.11	3,353,205.50
Singapore - USD			
ADR SEA LTD ADR CUSIP: 81141R100	27,151.000	1,929,085.13	1,099,615.50
Total Singapore - USD		1,929,085.13	1,099,615.50
United States - USD			
AIRBNB INC CL A COM USD0.0001 CL A CUSIP: 009066101	10,294.000	1,141,977.13	1,401,425.16
ALIGN TECHNOLOGY INC COM CUSIP: 016255101	4,306.000	1,075,652.25	1,179,844.00
AMAZON COM INC COM CUSIP: 023135106	51,452.000	5,376,431.74	7,817,616.88
ATLISSIAN CORP CL A CUSIP: 049468101	16,816.000	3,330,591.35	3,999,853.76
BLOCK INC CUSIP: 852234103	54,324.000	5,409,480.72	4,201,961.40
CLOUDFLARE INC COM CUSIP: 18915M107	23,035.000	2,460,812.24	1,917,894.10
COSTAR GROUP INC COM CUSIP: 22160N109	24,221.000	1,089,361.55	2,116,673.19
DATADOG INC COM USD0.00001 CL A CUSIP: 23804L103	31,121.000	2,950,233.28	3,777,466.98
DEXCOM INC COM CUSIP: 252131107	53,930.000	5,459,458.03	6,692,173.70
DOORDASH INC CL A COM USD0.00001 CLASS A CUSIP: 25809K105	21,790.000	2,697,056.04	2,154,813.10
EDWARDS LIFESCIENCES CORP COM CUSIP: 28176E108	28,319.000	1,567,188.56	2,159,323.75
ENTEGRIS INC COM CUSIP: 29362U104	23,308.000	1,933,978.88	2,792,764.56
FLOOR & DECOR HLDGS INC CL A CL A CUSIP: 339750101	16,418.000	594,601.80	1,831,592.08

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SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Corporate Stock - Common</i>			
United States - USD			
LAM RESH CORP COM CUSIP: 512807108	4,057.000	1,872,195.48	3,177,685.82
MATCH GROUP INC NEW COM CUSIP: 57667L107	37,449.000	2,281,710.83	1,366,888.50
META PLATFORMS INC COM USD0.000006 CL 'A' CUSIP: 30303M102	13,766.000	3,773,683.79	4,872,613.36
MICROSOFT CORP COM CUSIP: 594918104	21,353.000	6,686,786.82	8,029,582.12
NETFLIX INC COM STK CUSIP: 64110L106	5,688.000	1,645,368.79	2,769,373.44
NVIDIA CORP COM CUSIP: 67066G104	11,007.000	2,513,112.51	5,450,886.54
OKTA INC CL A CL A CUSIP: 679295105	24,080.000	2,001,096.61	2,179,962.40
SERVICENOW INC COM USD0.001 CUSIP: 81762P102	9,901.000	1,754,292.43	6,994,957.49
SNOWFLAKE INC CL A CL A CUSIP: 833445109	23,077.000	4,304,545.54	4,592,323.00
UBER TECHNOLOGIES INC COM USD0.00001 CUSIP: 90353T100	47,559.000	2,043,411.42	2,928,207.63
ULTRAGENYX PHARMACEUTICAL INC COM CUSIP: 90400D108	30,434.000	1,210,575.06	1,455,353.88
VISA INC COM CL A STK CUSIP: 92826C839	17,772.000	2,119,352.62	4,626,940.20
10X GENOMICS INC CL A CL A CUSIP: 88025U109	26,992.000	2,542,825.40	1,510,472.32
Total United States - USD		69,835,780.87	91,998,649.36
Total Corporate Stock - Common		77,563,486.92	98,838,939.99

Partnership/Joint Venture Interests

United States - USD			
APOLLO TOTAL RETURN FUND (EXEMPT) LP CUSIP: 992L44994	83,434,028.710	83,434,028.71	107,394,322.00
BLACKSTONE PROPERTY PARTNERS LP CUSIP: 992XCS996	65,322,916.000	65,322,916.00	68,053,976.00

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DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Partnership/Joint Venture Interests</i>			
United States - USD			
SMART MARKETS FUND LP CUSIP: 992RBN991	103,541,470.380	103,541,470.38	129,365,993.00
Total United States - USD		252,298,415.09	304,814,291.00
Total Partnership/Joint Venture Interests		252,298,415.09	304,814,291.00
<i>Value of Interest in Common/Collective Trusts</i>			
International Region - USD			
CF BLUE BAY GLOBAL FUNDS SPC - TOTAL RETURN CREDIT SP CUSIP: 2A999CC75	704,244.780	76,030,996.38	91,227,868.80
Total International Region - USD		76,030,996.38	91,227,868.80
United States - USD			
CF JPMCB STRATEGIC PROPERTY FUND CUSIP: 99089IWA0	16,187,985.940	130,734,701.28	182,114,841.83
CF NINETY ONE EMERGING MARKET EQUITY FUND CUSIP: 65999VF69	366,283.190	64,454,561.98	55,543,182.93
MFO ARROWSTREET GLOBAL EQUITY ACWI CUSIP: 04281W804	557,220.450	96,035,163.10	109,388,782.37
MFO BLACKROCK EQUITY INDEX CUSIP: B7A16LYF8	96,330.850	90,905,270.11	182,986,916.55
NT COLLECTIVE SHORT TERM INVT FD CUSIP: 66586U452	25,862,826.020	25,862,826.02	25,862,826.02
Total United States - USD		407,992,522.49	555,896,549.70
Total Value of Interest in Common/Collective Trusts		484,023,518.87	647,124,418.50

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EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>103-12 Investment Entities</i>			
United States - USD			
MFO WESTERNASSET US LONG DURATION LLC CUSIP: 2R999G2E5	7,146,137.680	164,159,770.01	173,794,068.38
Total United States - USD		164,159,770.01	173,794,068.38
Total 103-12 Investment Entities		164,159,770.01	173,794,068.38
<i>Value of Interest in Registered Investment Companies</i>			
United States - USD			
MFO WILMINGTON TR COLTV INVT TR HOTCHKIS& WILEY LARGE CAP VALUE CIT FEE CL F CUSIP: 97182E196	5,648,362.770	74,050,035.94	110,030,106.76
Total United States - USD		74,050,035.94	110,030,106.76
Total Value of Interest in Registered Investment Com		74,050,035.94	110,030,106.76
<i>Other</i>			
Mexico - USD			
UNITED MEXICAN STAT MEX NEW ISS USD 31YRINSEDOL = A038P73 5% DUE 04-27-2051 REG CUSIP: 91087BAL4	200,000.000	185,200.00	173,424.18
UNITED MEXICAN STS GLOBAL NT 4.4% 02-12-2052 CUSIP: 91087BAS9	310,000.000	308,778.60	245,144.65
Total Mexico - USD		493,978.60	418,568.83
United States - USD			
CALIFORNIA ST 7.625% 03-01-2040 BEO TAXABLE SEDOL: B52J623	515,000.000	714,733.30	646,374.90
FUT MAR 24 CBT UL T-BONDS CUSIP: 999599GH0	38.000	4,611,953.13	5,076,562.50
FUT MAR 24 CBT UL T-BONDS CUSIP: 999599GH0	-38.000	-4,611,953.13	-5,076,562.50
FUT MAR 24 CBT ULT TNOTE CUSIP: 999599GH0	-105.000	-11,864,328.23	-12,391,640.63
FUT MAR 24 CBT ULT TNOTE CUSIP: 999599GH0	105.000	11,864,328.23	12,391,640.63

** All or a portion of this security participates in Securities Lending.

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4i SCHEDULE OF ASSETS HELD AT YEAR END
YEAR ENDING 31 DECEMBER 2023

Security Description / Asset ID	Shares/Par Value	Historical Cost	Current Value
<i>Other</i>			
United States - USD			
FUT MAR 24 CBT 5Y T-NOTE CUSIP: 999599GH0	-235.000	-25,005,208.68	-25,561,757.81
FUT MAR 24 CBT 5Y T-NOTE CUSIP: 999599GH0	235.000	25,005,208.68	25,561,757.81
FUT MAR 24 U.S. T-BONDS CUSIP: 999599GH0	-59.000	-6,838,562.65	-7,371,312.50
FUT MAR 24 U.S. T-BONDS CUSIP: 999599GH0	59.000	6,838,562.65	7,371,312.50
NEW YORK N Y CITY TRANSITIONAL FIN AUTH REV 5.572% 11-01-2038 BEO TAXABLE SEDOL: B56SPB8	250,000.000	299,367.50	257,615.33
NY NY CTY MUN WTR FIN AUTH WTR & SWR REVBLD AMER BDS 5.724 6-15-2042 REG TXBLE SEDOL: B3NRLF0	330,000.000	434,597.12	360,780.12
TEXAS TRANSN COMMN ST HWY FD REV 5.178% 04-01-2030 BEO TAXABLE SEDOL: B52BMP4	200,000.000	239,856.77	204,613.70
UNIVERSITY MICH UNIV 2.437% DUE 04-01-2040 REG TAXABLE SEDOL: BMVYNJ4	95,000.000	95,000.00	71,312.00
UNIVERSITY VA UNIV REVS 2.256% 09-01-2050 BEO TAXABLE SEDOL: BMFMWF3	210,000.000	210,000.00	132,930.95
Total United States - USD		1,993,554.69	1,673,627.00
Total Other		2,487,533.29	2,092,195.83
<i>Payable Other</i>			
United States - USD			
FEE FOR SECURITIES LENDING ACTIVITY FOR CUSIP: 999766066	1.000	0.00	0.00
Total United States - USD		0.00	0.00
Total Payable Other		0.00	0.00
Total		1,252,350,512.47	1,517,478,833.01

** All or a portion of this security participates in Securities Lending.

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4j SCHEDULE OF REPORTABLE TRANSACTIONS
YEAR ENDING 31 DECEMBER 2023

◆ **5% Report - Part A**

Single Transaction in Excess of 5%

Security Description / Asset ID	Shares/Par Value	Date	Acquisition Price	Disposition Price	Lease Rental	Expenses Incurred	Cost	Current Value on Transaction Date	Net Gain/Loss
Value of Interest in Registered Investment Companies									
United States - USD									
MFO ACADIAN COLLECTIVE INVT TR ALL CNTRY CIT FD CL F 00426P78-622F CUSIP: 00426P787	-16,071,491.720	27 Feb 23		10.6500		0.00	167,464,943.57	171,161,386.82	3,696,443.25

NOTE: TRANSACTIONS ARE BASED ON THE 2022-12-31 VALUE (INCLUDING ACCRUALS) OF 1,744,571,584.58

DEFINED BENEFIT PLANS MTIA
EIN: 45-4482782 PLAN #006
SCHEDULE H, LINE 4j SCHEDULE OF REPORTABLE TRANSACTIONS
YEAR ENDING 31 DECEMBER 2023

◆ **5% Report - Part C Summary**

Series of Transactions by Issue in Excess of 5%

Security Description / Asset ID		Number of Transactions	Transaction Aggregate		Lease Rental	Expenses Incurred	Cost of Asset	Current Value of Asset on Transaction
			Acquisition Price	Disposition Price				
MFO BLACKROCK EQUITY INDEX CUSIP: B7A16LYF8	Total dispositions	8		110,224,792.04		0.00	61,590,829.86	110,224,792.04
NT COLLECTIVE SHORT TERM INVT FD CUSIP: 66586U452	Total acquisitions	298	76,533,220.46			0.00	76,533,220.46	76,533,220.46
	Total dispositions	184		56,639,255.32		0.00	56,639,255.32	56,639,255.32

NOTE: TRANSACTIONS ARE BASED ON THE 2022-12-31 VALUE (INCLUDING ACCRUALS) OF 1,744,571,584.58