

As of 3/31/2024

Issuer Name	Cusip	Security Type	Principal Amount	Maturity Date ¹	Percent of Portfolio
FANNIE MAE REMICS	31394EGS1	Agency CMO	194,458	10/25/2031	0.00%
FANNIE MAE REMICS	31396KMG4	Agency CMO	115,025	8/25/2036	0.00%
FANNIE MAE REMICS	31397U3J6	Agency CMO	3,455	10/25/2039	0.00%
FANNIE MAE REMICS	31398TH53	Agency CMO	10,705	7/25/2040	0.00%
FANNIE MAE REMICS	31398TXE6	Agency CMO	178,275	8/25/2040	0.00%
FREDDIE MAC REMICS	31398LSE9	Agency CMO	15,786	7/15/2034	0.00%
FREDDIE MAC REMICS	31397HJC3	Agency CMO	18,109	5/15/2037	0.00%
FREDDIE MAC REMICS	31398EHW7	Agency CMO	4,994	5/15/2037	0.00%
FREDDIE MAC REMICS	3137A1Z30	Agency CMO	51,188	6/15/2037	0.00%
GNMA	38374UBP5	Agency CMO	3,921	5/16/2039	0.00%
CAPITAL ONE MULTI-ASSET EXECUTION TRUST	14041NFP1	Asset-backed securities	57,731,000	7/15/2027	0.59%
CITIZENS AUTO RECEIVABLES TRUST 2023-1	17331KAC3	Asset-backed securities	13,238,473	7/15/2026	0.14%
DISCOVER CARD EXECUTION NOTE TRUST	254683CS2	Asset-backed securities	19,965,000	5/15/2027	0.20%
GOLDEN CREDIT CARD TRUST	380881FP2	Asset-backed securities	11,590,000	9/15/2027	0.12%
HYUNDAI AUTO RECEIVABLES TRUST 2024-A	448973AC1	Asset-backed securities	5,000,000	4/15/2027	0.05%
MELLO WAREHOUSE SECURITIZATION TRUST 2021-3	58552FAA4	Asset-backed securities	7,000,000	10/22/2024	0.07%
NEWREZ WAREHOUSE SECURITIZATION TRUST 2021-1	65246PAA9	Asset-backed securities	31,184,400	5/7/2024	0.32%
STATION PLACE SECURITIZATION TRUST SERIES 2023-2	85772KAA0	Asset-backed securities	58,400,000	6/29/2024	0.60%
TOWD POINT ASSET TRUST 2018-SL1	89174UAA4	Asset-backed securities	21,780	1/25/2046	0.00%
WORLD OMNI AUTO RECEIVABLES TRUST 2024-A	98164RAD8	Asset-backed securities	12,945,000	3/15/2029	0.13%
BARCLAYS BANK PLC/NY	06742T5S1	Certificate of deposit	24,700,000	6/21/2024	0.25%
BNP PARIBAS SA/NEW YORK NY	05586F3R6	Certificate of deposit	29,000,000	10/17/2024	0.30%
CITIBANK NA	17330QFP7	Certificate of deposit	24,175,000	9/20/2024	0.25%
INTESA SANPAOLO SPA/NEW YORK NY	46115LVM7	Certificate of deposit	24,175,000	8/16/2024	0.25%
INTESA SANPAOLO SPA/NEW YORK NY	46115K3B4	Certificate of deposit	22,250,000	10/21/2024	0.23%
INTESA SANPAOLO SPA/NEW YORK NY	46115K3E8	Certificate of deposit	52,555,000	1/13/2025	0.54%
TORONTO-DOMINION BANK/NY	89115BJ84	Certificate of deposit	30,000,000	5/31/2024	0.31%
TORONTO-DOMINION BANK/NY	89115BB90	Certificate of deposit	19,165,000	10/1/2024	0.20%
AES CORP/THE	00809GD12	Commercial paper	67,250,000	4/1/2024	0.69%
ALIMENTATION COUCHE-TARD INC	01626UD44	Commercial paper	15,450,000	4/4/2024	0.16%
ALIMENTATION COUCHE-TARD INC	01626UD51	Commercial paper	26,000,000	4/5/2024	0.27%
ALIMENTATION COUCHE-TARD INC	01626UD93	Commercial paper	15,600,000	4/9/2024	0.16%
ALIMENTATION COUCHE-TARD INC	01626UDB8	Commercial paper	7,650,000	4/11/2024	0.08%
ALIMENTATION COUCHE-TARD INC	01626UDF9	Commercial paper	19,250,000	4/15/2024	0.20%
AMERICAN ELECTRIC POWER CO INC	0255E2FC9	Commercial paper	9,975,000	6/12/2024	0.10%
AMERICAN HONDA FINANCE CORP	02665JE63	Commercial paper	19,000,000	5/6/2024	0.19%
ARROW ELECTRONICS INC	04273LD36	Commercial paper	32,500,000	4/3/2024	0.33%
ARROW ELECTRONICS INC	04273LD51	Commercial paper	47,570,000	4/5/2024	0.49%
AUTONATION INC	05330LD18	Commercial paper	81,750,000	4/1/2024	0.84%
AVIATION CAPITAL GROUP LLC	05369BD14	Commercial paper	97,001,000	4/1/2024	1.00%
BELL TELEPHONE CO OF CANADA OR BELL CANADA/THE	07787PD21	Commercial paper	22,250,000	4/2/2024	0.23%



As of 3/31/2024

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BELL TELEPHONE CO OF CANADA OR BELL CANADA/THE	07787PD47	Commercial paper	23,350,000	4/4/2024	0.24%
BPCE SA	05571ECG0	Commercial paper	30,000,000	9/16/2024	0.30%
CONAGRA BRANDS INC	20600GD11	Commercial paper	36,054,000	4/1/2024	0.37%
CONSTELLATION BRANDS INC	21037CD11	Commercial paper	40,935,000	4/1/2024	0.42%
CONSTELLATION BRANDS INC	21037CD29	Commercial paper	42,310,000	4/2/2024	0.43%
CROWN CASTLE INC	22823PD91	Commercial paper	28,600,000	4/9/2024	0.29%
DOMINION ENERGY INC	2574P0D35	Commercial paper	9,620,000	4/3/2024	0.10%
DOMINION ENERGY INC	2574P0D84	Commercial paper	9,514,000	4/8/2024	0.10%
DOMINION ENERGY INC	2574P0DG6	Commercial paper	23,825,000	4/16/2024	0.24%
DOMINION ENERGY SOUTH CAROLINA INC	25731DD43	Commercial paper	11,394,000	4/4/2024	0.12%
ENBRIDGE US INC	29251UDA3	Commercial paper	37,485,000	4/10/2024	0.38%
ENBRIDGE US INC	29251UE61	Commercial paper	25,150,000	5/6/2024	0.26%
FMC CORP	34410WD17	Commercial paper	47,820,000	4/1/2024	0.49%
FMC CORP	34410WDB5	Commercial paper	36,285,000	4/11/2024	0.37%
FMC CORP	34410WDF6	Commercial paper	13,225,000	4/15/2024	0.14%
GENERAL MOTORS FINANCIAL CO INC	37046TF66	Commercial paper	20,000,000	6/6/2024	0.20%
GLENCORE FUNDING LLC	37790ADB6	Commercial paper	28,875,000	4/11/2024	0.30%
GLENCORE FUNDING LLC	37790ADG5	Commercial paper	13,315,000	4/16/2024	0.14%
HSBC USA INC	40434PJ98	Commercial paper	7,820,000	9/9/2024	0.08%
INTERCONTINENTAL EXCHANGE INC	45856WD30	Commercial paper	18,275,000	4/3/2024	0.19%
INTERCONTINENTAL EXCHANGE INC	45856WDQ9	Commercial paper	17,900,000	4/24/2024	0.18%
INTERNATIONAL FLAVORS & FRAGRANCES INC	4595A2D30	Commercial paper	44,945,000	4/3/2024	0.46%
MARRIOTT INTERNATIONAL INC/MD	57163TDW6	Commercial paper	1,950,000	4/30/2024	0.02%
MID-AMERICA APARTMENTS LP	59524ND17	Commercial paper	14,190,000	4/1/2024	0.15%
MID-AMERICA APARTMENTS LP	59524ND82	Commercial paper	9,600,000	4/8/2024	0.10%
OVINTIV INC	69047JDG0	Commercial paper	61,545,000	4/16/2024	0.63%
OVINTIV INC	69047JDJ4	Commercial paper	11,550,000	4/18/2024	0.12%
OVINTIV INC	69047JDV7	Commercial paper	19,225,000	4/29/2024	0.20%
PENSKE TRUCK LEASING CO	70962AD29	Commercial paper	32,350,000	4/2/2024	0.33%
PENSKE TRUCK LEASING CO	70962AD52	Commercial paper	28,890,000	4/5/2024	0.30%
PLAINS ALL AMERICAN PIPELINE LP	72650WD16	Commercial paper	47,340,000	4/1/2024	0.49%
PLAINS ALL AMERICAN PIPELINE LP	72650WD32	Commercial paper	54,350,000	4/3/2024	0.56%
PROTECTIVE LIFE CORP	74367WD57	Commercial paper	28,840,000	4/5/2024	0.30%
PROTECTIVE LIFE CORP	74367WDK4	Commercial paper	27,020,000	4/19/2024	0.28%
SOUTHERN CO/THE	84262LDH0	Commercial paper	14,750,000	4/17/2024	0.15%
SOUTHERN CO/THE	84262LDQ0	Commercial paper	24,025,000	4/24/2024	0.25%
SOUTHERN CO/THE	84262LDR8	Commercial paper	22,685,000	4/25/2024	0.23%
SOUTHERN CO/THE	84262LDV9	Commercial paper	10,000,000	4/29/2024	0.10%
SUNCOR ENERGY INC	86723ADS8	Commercial paper	9,600,000	4/26/2024	0.10%
TARGA RESOURCES CORP	87613ED10	Commercial paper	77,743,000	4/1/2024	0.80%
TARGA RESOURCES CORP	87613EDS1	Commercial paper	19,225,000	4/26/2024	0.20%



As of 3/31/2024

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WRKCO INC	92940XD46	Commercial paper	21,895,000	4/4/2024	0.22%
PUTNAM SHORT TERM INVESTMENT FUND	74676P664	Investment company	59,518,567	12/31/2049	0.61%
ABN AMRO BANK NV	00084DBC3	Investment-grade corporate bonds	24,000,000	10/13/2026	0.25%
ABN AMRO BANK NV	00084DBA7	Investment-grade corporate bonds	24,700,000	9/18/2027	0.26%
AERCAP IRELAND CAPITAL DAC / AERCAP GLOBAL AVIATION TRUST	00774MAM7	Investment-grade corporate bonds	5,254,000	8/14/2024	0.05%
AERCAP IRELAND CAPITAL DAC / AERCAP GLOBAL AVIATION TRUST	00774MAU9	Investment-grade corporate bonds	47,328,000	10/29/2024	0.47%
AERCAP IRELAND CAPITAL DAC / AERCAP GLOBAL AVIATION TRUST	00774MBB0	Investment-grade corporate bonds	48,832,000	10/29/2024	0.49%
AERCAP IRELAND CAPITAL DAC / AERCAP GLOBAL AVIATION TRUST	00774MAC9	Investment-grade corporate bonds	7,646,000	1/15/2025	0.08%
AERCAP IRELAND CAPITAL DAC / AERCAP GLOBAL AVIATION TRUST	00774MAN5	Investment-grade corporate bonds	5,613,000	7/15/2025	0.06%
AIR LEASE CORP	00914AAP7	Investment-grade corporate bonds	44,017,000	8/18/2024	0.44%
AIR LEASE CORP	00914AAF9	Investment-grade corporate bonds	18,892,000	2/1/2025	0.19%
AIR LEASE CORP	00912XBA1	Investment-grade corporate bonds	14,551,000	3/1/2025	0.15%
AMERICAN EXPRESS CO	025816CU1	Investment-grade corporate bonds	42,046,000	5/3/2024	0.43%
AMERICAN EXPRESS CO	025816CR8	Investment-grade corporate bonds	26,612,000	3/4/2025	0.27%
AMERICAN EXPRESS CO	025816DC0	Investment-grade corporate bonds	6,644,000	2/13/2026	0.07%
AMERICAN EXPRESS CO	025816DD8	Investment-grade corporate bonds	4,585,000	2/13/2026	0.05%
AMERICAN EXPRESS CO	025816DM8	Investment-grade corporate bonds	29,025,000	10/30/2026	0.30%
AMERICAN EXPRESS CO	025816DJ5	Investment-grade corporate bonds	15,063,000	7/28/2027	0.16%
AMERICAN EXPRESS CO	025816DQ9	Investment-grade corporate bonds	19,075,000	2/16/2028	0.20%
AMERICAN HONDA FINANCE CORP	02665WFA4	Investment-grade corporate bonds	31,028,000	2/12/2025	0.32%
AMERICAN HONDA FINANCE CORP	02665WET4	Investment-grade corporate bonds	32,157,000	4/23/2025	0.33%
AMERICAN HONDA FINANCE CORP	02665WFB2	Investment-grade corporate bonds	28,610,000	8/14/2025	0.29%
AMERICAN TOWER CORP	03027XAT7	Investment-grade corporate bonds	8,295,000	5/15/2024	0.08%
AMGEN INC	031162DM9	Investment-grade corporate bonds	7,651,000	3/2/2025	0.08%
ANALOG DEVICES INC	032654AT2	Investment-grade corporate bonds	16,404,000	10/1/2024	0.17%
ANZ NEW ZEALAND INT'L LTD/LONDON	00182EBQ1	Investment-grade corporate bonds	28,032,000	2/18/2025	0.29%
ATHENE GLOBAL FUNDING	04685A2X8	Investment-grade corporate bonds	23,802,000	5/24/2024	0.24%
ATHENE GLOBAL FUNDING	04685A3B5	Investment-grade corporate bonds	40,355,000	8/19/2024	0.41%
ATHENE GLOBAL FUNDING	04685A3H2	Investment-grade corporate bonds	46,845,000	1/7/2025	0.48%
AUSTRALIA & NEW ZEALAND BANKING GROUP LTD	05252ADF5	Investment-grade corporate bonds	48,073,000	2/3/2025	0.49%
BANCO BILBAO VIZCAYA ARGENTARIA SA	05946KAK7	Investment-grade corporate bonds	45,452,000	9/14/2026	0.47%
BANCO SANTANDER SA	05971KAE9	Investment-grade corporate bonds	24,800,000	5/28/2025	0.25%
BANCO SANTANDER SA	05964HAX3	Investment-grade corporate bonds	24,000,000	11/7/2027	0.25%
BANCO SANTANDER SA	05964HBA2	Investment-grade corporate bonds	19,200,000	3/14/2028	0.20%
BANK OF AMERICA CORP	06051GFP9	Investment-grade corporate bonds	38,626,000	4/21/2025	0.39%
BANK OF AMERICA CORP	06051GKT5	Investment-grade corporate bonds	700,000	4/25/2025	0.01%
BANK OF AMERICA CORP	06051GGT0	Investment-grade corporate bonds	12,834,000	10/1/2025	0.13%
BANK OF AMERICA CORP	06051GLE7	Investment-grade corporate bonds	46,963,000	1/20/2027	0.48%
BANK OF AMERICA NA	06428CAA2	Investment-grade corporate bonds	38,626,000	8/18/2026	0.40%
BANK OF MONTREAL	06367WYQ0	Investment-grade corporate bonds	37,845,000	7/9/2024	0.39%
BANK OF MONTREAL	06368LGW0	Investment-grade corporate bonds	44,198,000	12/12/2024	0.46%



As of 3/31/2024

			Principal	1	Percent of
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BANK OF MONTREAL	06368FAF6	Investment-grade corporate bonds	46,935,000	1/10/2025	0.48%
BANK OF NEW YORK MELLON CORP/THE	06406RAY3	Investment-grade corporate bonds	34,893,000	10/25/2024	0.36%
BANK OF NEW YORK MELLON CORP/THE	06406RBE6	Investment-grade corporate bonds	51,872,000	4/25/2025	0.53%
BANK OF NEW YORK MELLON/THE	06405LAD3	Investment-grade corporate bonds	23,857,000	5/22/2026	0.24%
BANK OF NOVA SCOTIA/THE	0641593W4	Investment-grade corporate bonds	74,000,000	4/15/2024	0.76%
BANK OF NOVA SCOTIA/THE	0641596F8	Investment-grade corporate bonds	46,700,000	7/31/2024	0.48%
BANK OF NOVA SCOTIA/THE	06418JAA9	Investment-grade corporate bonds	20,938,000	12/7/2026	0.22%
BANQUE FEDERATIVE DU CREDIT MUTUEL SA	06675FAW7	Investment-grade corporate bonds	70,375,000	2/4/2025	0.72%
BANQUE FEDERATIVE DU CREDIT MUTUEL SA	06675FBA4	Investment-grade corporate bonds	23,865,000	7/13/2026	0.25%
BARCLAYS PLC	06738EAE5	Investment-grade corporate bonds	4,600,000	3/16/2025	0.05%
BARCLAYS PLC	06738EBH7	Investment-grade corporate bonds	42,250,000	5/7/2025	0.43%
BARCLAYS PLC	06738EAN5	Investment-grade corporate bonds	10,291,000	1/12/2026	0.10%
BARCLAYS PLC	06738ECJ2	Investment-grade corporate bonds	26,815,000	9/13/2027	0.28%
BMW US CAPITAL LLC	05565EBN4	Investment-grade corporate bonds	24,200,000	4/1/2024	0.25%
BMW US CAPITAL LLC	05565EBH7	Investment-grade corporate bonds	6,847,000	4/18/2024	0.07%
BMW US CAPITAL LLC	05565EBV6	Investment-grade corporate bonds	37,500,000	8/12/2024	0.39%
BMW US CAPITAL LLC	05565EBY0	Investment-grade corporate bonds	14,980,000	4/1/2025	0.15%
BNP PARIBAS SA	05579T5G7	Investment-grade corporate bonds	29,035,000	10/15/2024	0.30%
BNP PARIBAS SA	09659W2D5	Investment-grade corporate bonds	49,706,000	1/9/2025	0.50%
BNP PARIBAS SA	09659W2J2	Investment-grade corporate bonds	15,366,000	11/19/2025	0.15%
BOEING CO/THE	097023BH7	Investment-grade corporate bonds	1,983,000	10/30/2024	0.02%
BOEING CO/THE	097023CT0	Investment-grade corporate bonds	15,845,000	5/1/2025	0.16%
BOSTON PROPERTIES LP	10112RAZ7	Investment-grade corporate bonds	29,098,000	1/15/2025	0.29%
BPCE SA	05578QAC7	Investment-grade corporate bonds	1,737,000	7/11/2024	0.02%
BPCE SA	05578QAB9	Investment-grade corporate bonds	9,015,000	7/21/2024	0.09%
BPCE SA	05578AAW8	Investment-grade corporate bonds	24,822,000	1/14/2025	0.26%
BPCE SA	05583JAG7	Investment-grade corporate bonds	6,836,000	1/14/2025	0.07%
BPCE SA	05578QAD5	Investment-grade corporate bonds	8,645,000	3/15/2025	0.09%
BPCE SA	05571AAN5	Investment-grade corporate bonds	23,930,000	9/25/2025	0.25%
BPCE SA	05583JAN2	Investment-grade corporate bonds	28,882,000	1/18/2027	0.30%
BRISTOL-MYERS SQUIBB CO	110122ED6	Investment-grade corporate bonds	14,440,000	2/20/2026	0.15%
BRISTOL-MYERS SQUIBB CO	110122EE4	Investment-grade corporate bonds	9,625,000	2/22/2027	0.10%
CAMDEN PROPERTY TRUST	133131BA9	Investment-grade corporate bonds	38,300,000	11/3/2026	0.40%
CAMPBELL SOUP CO	134429BL2	Investment-grade corporate bonds	5,738,000	3/20/2026	0.06%
CANADIAN IMPERIAL BANK OF COMMERCE	13607HYE6	Investment-grade corporate bonds	46,531,000	10/18/2024	0.48%
CANADIAN IMPERIAL BANK OF COMMERCE	13607LNF6	Investment-grade corporate bonds	33,415,000	4/28/2025	0.34%
CANADIAN IMPERIAL BANK OF COMMERCE	13607LWT6	Investment-grade corporate bonds	29,010,000	10/2/2026	0.30%
CAPITAL ONE FINANCIAL CORP	14040HBT1	Investment-grade corporate bonds	31,960,000	10/30/2024	0.32%
CAPITAL ONE FINANCIAL CORP	14040HBG9	Investment-grade corporate bonds	16,254,000	2/5/2025	0.16%
CAPITAL ONE FINANCIAL CORP	14040HCR4	Investment-grade corporate bonds	28,010,000	5/9/2025	0.29%
CATERPILLAR FINANCIAL SERVICES CORP	14913R2R7	Investment-grade corporate bonds	19,206,000	9/13/2024	0.20%



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CELANESE US HOLDINGS LLC	15089QAJ3	Investment-grade corporate bonds	12,500,000	5/8/2024	0.13%
CITIGROUP INC	172967MF5	Investment-grade corporate bonds	5,474,000	4/24/2025	0.06%
CITIGROUP INC	172967MW8	Investment-grade corporate bonds	43,754,000	5/1/2025	0.45%
CITIGROUP INC	172967NQ0	Investment-grade corporate bonds	33,275,000	5/24/2025	0.34%
CITIGROUP INC	172967NR8	Investment-grade corporate bonds	13,997,000	5/24/2025	0.14%
CITIZENS BANK NA/PROVIDENCE RI	75524KNQ3	Investment-grade corporate bonds	19,435,000	5/23/2025	0.20%
CITIZENS BANK NA/PROVIDENCE RI	75524KQB3	Investment-grade corporate bonds	41,686,000	1/26/2026	0.42%
COMMONWEALTH BANK OF AUSTRALIA	2027A0KJ7	Investment-grade corporate bonds	28,795,000	3/14/2025	0.30%
COMMONWEALTH BANK OF AUSTRALIA/NEW YORK NY	20271RAQ3	Investment-grade corporate bonds	18,783,000	1/10/2025	0.19%
COREBRIDGE GLOBAL FUNDING	00138CAW8	Investment-grade corporate bonds	39,755,000	9/25/2026	0.41%
CREDIT AGRICOLE S.A.	22534PAE3	Investment-grade corporate bonds	33,415,000	7/5/2026	0.35%
CREDIT AGRICOLE S.A.	22534PAH6	Investment-grade corporate bonds	33,674,000	3/11/2027	0.35%
CREDIT AGRICOLE SA/LONDON	22535WAD9	Investment-grade corporate bonds	40,832,000	10/4/2024	0.41%
CREDIT SUISSE AG/NEW YORK NY	22550L2H3	Investment-grade corporate bonds	31,697,000	2/21/2025	0.32%
DAIMLER TRUCK FINANCE NORTH AMERICA LLC	233853AK6	Investment-grade corporate bonds	23,666,000	4/5/2024	0.24%
DAIMLER TRUCK FINANCE NORTH AMERICA LLC	233853AE0	Investment-grade corporate bonds	30,674,000	12/13/2024	0.32%
DAIMLER TRUCK FINANCE NORTH AMERICA LLC	233853AS9	Investment-grade corporate bonds	23,295,000	8/8/2025	0.24%
DAIMLER TRUCK FINANCE NORTH AMERICA LLC	233853AV2	Investment-grade corporate bonds	9,645,000	1/15/2027	0.10%
DANSKE BANK A/S	23636ABF7	Investment-grade corporate bonds	44,927,000	1/9/2026	0.46%
DANSKE BANK A/S	23636ABG5	Investment-grade corporate bonds	19,235,000	3/1/2028	0.20%
DEUTSCHE BANK AG/NEW YORK NY	251526CJ6	Investment-grade corporate bonds	23,772,000	5/28/2024	0.24%
DEUTSCHE BANK AG/NEW YORK NY	251526BY4	Investment-grade corporate bonds	19,834,000	5/30/2024	0.20%
DEUTSCHE BANK AG/NEW YORK NY	251526CB3	Investment-grade corporate bonds	50,708,000	11/26/2025	0.51%
DNB BANK ASA	23341CAC7	Investment-grade corporate bonds	35,783,000	10/9/2026	0.37%
DUKE ENERGY CORP	26441CCB9	Investment-grade corporate bonds	23,835,000	1/5/2027	0.24%
EVERSOURCE ENERGY	30040WAV0	Investment-grade corporate bonds	18,135,000	5/15/2026	0.18%
FEDERATION DES CAISSES DESJARDINS DU QUEBEC	31429KAF0	Investment-grade corporate bonds	41,990,000	5/21/2024	0.43%
FIFTH THIRD BANK NA	31677QBT5	Investment-grade corporate bonds	53,348,000	10/27/2025	0.55%
GA GLOBAL FUNDING TRUST	36143L2E4	Investment-grade corporate bonds	9,350,000	9/13/2024	0.10%
GA GLOBAL FUNDING TRUST	36143L2K0	Investment-grade corporate bonds	28,086,000	4/11/2025	0.29%
GE HEALTHCARE TECHNOLOGIES INC	36267VAB9	Investment-grade corporate bonds	46,102,000	11/15/2024	0.47%
GENERAL MOTORS FINANCIAL CO INC	37045XDM5	Investment-grade corporate bonds	19,121,000	10/15/2024	0.19%
GENERAL MOTORS FINANCIAL CO INC	37045XDN3	Investment-grade corporate bonds	20,952,000	10/15/2024	0.22%
GENERAL MOTORS FINANCIAL CO INC	37045XCV6	Investment-grade corporate bonds	9,870,000	2/26/2025	0.10%
GEORGIA-PACIFIC LLC	37331NAM3	Investment-grade corporate bonds	24,420,000	5/15/2024	0.25%
GLENCORE FUNDING LLC	378272AH1	Investment-grade corporate bonds	20,003,000	4/29/2024	0.21%
GOLDMAN SACHS GROUP INC/THE	38141GYF5	Investment-grade corporate bonds	39,107,000	9/10/2024	0.40%
GOLDMAN SACHS GROUP INC/THE	38141GYL2	Investment-grade corporate bonds	31,542,000	10/21/2024	0.32%
GOLDMAN SACHS GROUP INC/THE	38141GYQ1	Investment-grade corporate bonds	19,768,000	10/21/2024	0.20%
GOLDMAN SACHS GROUP INC/THE	38141GWQ3	Investment-grade corporate bonds	40,246,000	9/29/2025	0.41%
HALEON UK CAPITAL PLC	36264NAB0	Investment-grade corporate bonds	28,960,000	3/24/2025	0.29%



As of 3/31/2024

Issuer Name	Cusip	Security Type	Principal	Maturity Date ¹	Percent of
HEWLETT PACKARD ENTERPRISE CO	42824CBL2	Investment-grade corporate bonds	Amount 19,138,000	10/1/2024	Portfolio 0.20%
HSBC USA INC	40428HVL3	Investment-grade corporate bonds	57,650,000	3/17/2025	0.59%
HUNTINGTON NATIONAL BANK/THE	44644MAE1	Investment-grade corporate bonds	28,010,000	5/16/2025	0.29%
HUNTINGTON NATIONAL BANK/THE	44644MAH4	Investment-grade corporate bonds	45,010,000	11/18/2025	0.46%
HYATT HOTELS CORP	448579AN2	Investment-grade corporate bonds	49,639,000	10/1/2024	0.50%
HYATT HOTELS CORP	448579AF9	Investment-grade corporate bonds	6,148,000	3/15/2026	0.06%
HYATT HOTELS CORP	448579AQ5	Investment-grade corporate bonds	10,214,000	1/30/2027	0.11%
HYUNDAI CAPITAL AMERICA	44891ABN6	Investment-grade corporate bonds	7,324,000	10/15/2025	0.07%
HYUNDAI CAPITAL AMERICA	44891ACZ8	Investment-grade corporate bonds	23,915,000	3/19/2027	0.25%
ING GROEP NV	456837AP8	Investment-grade corporate bonds	18,487,000	4/9/2024	0.19%
ING GROEP NV	45685NAA4	Investment-grade corporate bonds	8,295,000	1/6/2026	0.08%
ING GROEP NV	456837BA0	Investment-grade corporate bonds	30,198,000	3/28/2026	0.30%
ING GROEP NV	456837BD4	Investment-grade corporate bonds	9,675,000	3/28/2026	0.10%
ING GROEP NV	456837BF9	Investment-grade corporate bonds	20,309,000	9/11/2027	0.21%
ING GROEP NV	456837BJ1	Investment-grade corporate bonds	21,269,000	9/11/2027	0.22%
JEFFERIES FINANCIAL GROUP INC	47233WDS5	Investment-grade corporate bonds	32,505,000	3/12/2025	0.33%
JPMORGAN CHASE & CO	46625HJY7	Investment-grade corporate bonds	3,232,000	9/10/2024	0.03%
JPMORGAN CHASE & CO	46647PDM5	Investment-grade corporate bonds	53,043,000	12/15/2025	0.54%
JPMORGAN CHASE & CO	46647PBH8	Investment-grade corporate bonds	19,928,000	3/13/2026	0.20%
JPMORGAN CHASE & CO	46647PBK1	Investment-grade corporate bonds	10,061,000	4/22/2026	0.10%
JPMORGAN CHASE & CO	46647PCZ7	Investment-grade corporate bonds	26,202,000	4/26/2026	0.26%
JPMORGAN CHASE & CO	46647PDB9	Investment-grade corporate bonds	18,427,000	4/26/2026	0.19%
KENVUE INC	49177JAB8	Investment-grade corporate bonds	49,133,000	3/22/2025	0.51%
KEURIG DR PEPPER INC	49271VAH3	Investment-grade corporate bonds	4,490,000	5/25/2025	0.05%
KEYBANK NA/CLEVELAND OH	49327M3D4	Investment-grade corporate bonds	22,540,000	6/14/2024	0.23%
KEYCORP	49326EEL3	Investment-grade corporate bonds	13,996,000	5/23/2025	0.14%
LLOYDS BANKING GROUP PLC	53944YAF0	Investment-grade corporate bonds	38,283,000	5/8/2025	0.39%
LLOYDS BANKING GROUP PLC	53944YAL7	Investment-grade corporate bonds	31,571,000	7/9/2025	0.32%
LLOYDS BANKING GROUP PLC	539439AY5	Investment-grade corporate bonds	22,697,000	8/7/2027	0.24%
LLOYDS BANKING GROUP PLC	53944YAW3	Investment-grade corporate bonds	17,173,000	8/7/2027	0.18%
LLOYDS BANKING GROUP PLC	53944YAZ6	Investment-grade corporate bonds	19,068,000	1/5/2028	0.20%
MACQUARIE BANK LTD	55608PBK9	Investment-grade corporate bonds	19,285,000	3/21/2025	0.20%
MACQUARIE BANK LTD	55608PBQ6	Investment-grade corporate bonds	14,358,000	12/7/2026	0.15%
MACQUARIE GROUP LTD	55608JBL1	Investment-grade corporate bonds	45,821,000	11/22/2024	0.47%
MASSMUTUAL GLOBAL FUNDING II	57629WDC1	Investment-grade corporate bonds	74,780,000	4/12/2024	0.77%
MASSMUTUAL GLOBAL FUNDING II	57629WDF4	Investment-grade corporate bonds	28,116,000	10/21/2024	0.29%
MASSMUTUAL GLOBAL FUNDING II	57629WDH0	Investment-grade corporate bonds	47,226,000	3/21/2025	0.49%
MERCEDES-BENZ FINANCE NORTH AMERICA LLC	58769JAE7	Investment-grade corporate bonds	24,295,000	3/30/2025	0.25%
MERCEDES-BENZ FINANCE NORTH AMERICA LLC	58769JAP2	Investment-grade corporate bonds	28,445,000	1/9/2026	0.29%
METLIFE INC	59156RBH0	Investment-grade corporate bonds	18,867,000	4/10/2024	0.19%
METROPOLITAN LIFE GLOBAL FUNDING I	59217GEQ8	Investment-grade corporate bonds	19,850,000	9/27/2024	0.20%



As of 3/31/2024

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Issuer Name	Cusip	Security Type	Principal Amount	Maturity Date ¹	Percent of Portfolio
METROPOLITAN LIFE GLOBAL FUNDING I	59217GEX3	Investment-grade corporate bonds	19,175,000	3/21/2025	0.20%
METROPOLITAN LIFE GLOBAL FUNDING I	592179KD6	Investment-grade corporate bonds	32,401,000	1/6/2026	0.33%
MICROCHIP TECHNOLOGY INC	595017BC7	Investment-grade corporate bonds	21,462,000	9/1/2024	0.22%
MISSISSIPPI POWER CO	605417CC6	Investment-grade corporate bonds	24,381,000	6/28/2024	0.25%
MITSUBISHI UFJ FINANCIAL GROUP INC	606822CH5	Investment-grade corporate bonds	19,631,000	7/18/2025	0.20%
MITSUBISHI UFJ FINANCIAL GROUP INC	606822CQ5	Investment-grade corporate bonds	37,569,000	9/12/2025	0.38%
MITSUBISHI UFJ FINANCIAL GROUP INC	606822CV4	Investment-grade corporate bonds	26,697,000	2/20/2026	0.27%
MITSUBISHI UFJ FINANCIAL GROUP INC	606822CW2	Investment-grade corporate bonds	29,385,000	2/20/2026	0.30%
MITSUBISHI UFJ FINANCIAL GROUP INC	606822DA9	Investment-grade corporate bonds	23,461,000	4/17/2026	0.24%
MIZUHO BANK LTD	60688XAP5	Investment-grade corporate bonds	18,850,000	9/25/2024	0.19%
MIZUHO FINANCIAL GROUP INC	60687YAW9	Investment-grade corporate bonds	12,322,000	7/16/2025	0.13%
MIZUHO FINANCIAL GROUP INC	60687YBY4	Investment-grade corporate bonds	35,293,000	5/22/2026	0.36%
MORGAN STANLEY	61747YEP6	Investment-grade corporate bonds	4,590,000	4/17/2025	0.05%
MORGAN STANLEY	61747YEQ4	Investment-grade corporate bonds	12,875,000	4/17/2025	0.13%
MORGAN STANLEY	6174468J1	Investment-grade corporate bonds	46,032,000	7/22/2025	0.47%
MORGAN STANLEY	61747YEM3	Investment-grade corporate bonds	11,174,000	2/18/2026	0.11%
MORGAN STANLEY	61761J3R8	Investment-grade corporate bonds	9,596,000	7/27/2026	0.09%
MORGAN STANLEY	61747YEZ4	Investment-grade corporate bonds	23,669,000	1/28/2027	0.24%
MORGAN STANLEY BANK NA	61690U7U8	Investment-grade corporate bonds	23,870,000	7/16/2025	0.25%
MORGAN STANLEY BANK NA	61690U7V6	Investment-grade corporate bonds	8,208,000	7/16/2025	0.08%
MUTUAL OF OMAHA COS GLOBAL FUNDING	62829D2A7	Investment-grade corporate bonds	14,660,000	7/27/2026	0.15%
NATIONAL AUSTRALIA BANK LTD	6325C0EA5	Investment-grade corporate bonds	63,306,000	1/12/2025	0.65%
NATIONAL BANK OF CANADA	63307A2Q7	Investment-grade corporate bonds	36,500,000	8/6/2024	0.37%
NATIONAL BANK OF CANADA	63307A2S3	Investment-grade corporate bonds	35,260,000	6/9/2025	0.36%
NATIONWIDE MUTUAL INSURANCE CO	638671AJ6	Investment-grade corporate bonds	7,737,000	12/15/2024	0.08%
NATWEST GROUP PLC	639057AJ7	Investment-grade corporate bonds	27,115,000	3/2/2027	0.28%
NATWEST GROUP PLC	639057AL2	Investment-grade corporate bonds	9,420,000	3/1/2028	0.10%
NATWEST MARKETS PLC	63906YAC2	Investment-grade corporate bonds	20,485,000	8/12/2024	0.21%
NETFLIX INC	64110LAL0	Investment-grade corporate bonds	38,290,000	2/15/2025	0.39%
NETFLIX INC	64110LAY2	Investment-grade corporate bonds	23,609,000	6/15/2025	0.24%
NEW YORK LIFE GLOBAL FUNDING	64952WEL3	Investment-grade corporate bonds	9,020,000	1/14/2025	0.09%
NEW YORK LIFE GLOBAL FUNDING	64953BBK3	Investment-grade corporate bonds	33,763,000	1/16/2026	0.35%
NEW YORK LIFE GLOBAL FUNDING	64953BBL1	Investment-grade corporate bonds	47,790,000	4/2/2027	0.49%
NEXTERA ENERGY CAPITAL HOLDINGS INC	65339KCF5	Investment-grade corporate bonds	10,292,000	6/20/2024	0.11%
NEXTERA ENERGY CAPITAL HOLDINGS INC	65339KBS8	Investment-grade corporate bonds	45,760,000	9/1/2025	0.47%
NORDEA BANK ABP	65558RAF6	Investment-grade corporate bonds	14,242,000	3/19/2027	0.15%
NORTHWESTERN MUTUAL GLOBAL FUNDING	66815L2R9	Investment-grade corporate bonds	14,344,000	3/25/2027	0.15%
ONEOK INC	682680AX1	Investment-grade corporate bonds	16,969,000	9/1/2024	0.17%
ONEOK INC	682680BH5	Investment-grade corporate bonds	23,903,000	11/1/2026	0.25%
ONEOK PARTNERS LP	68268NAP8	Investment-grade corporate bonds	38,085,000	3/15/2025	0.39%
PACIFIC LIFE GLOBAL FUNDING II	6944PL2F5	Investment-grade corporate bonds	47,055,000	4/12/2024	0.48%



As of 3/31/2024

Issuer Name	Cusip	Security Type	Principal	Maturity Date ¹	Percent of
PACIFIC LIFE GLOBAL FUNDING II	6944PL2K4	Investment-grade corporate bonds	Amount 39,259,000	1/27/2025	Portfolio 0.40%
PENSKE TRUCK LEASING CO LP / PTL FINANCE CORP	709599BF0	Investment-grade corporate bonds	6,471,000	7/1/2024	0.07%
PEPSICO INC	713448FU7	Investment-grade corporate bonds	20,806,000	11/12/2024	0.21%
PFIZER INVESTMENT ENTERPRISES PTE LTD	716973AA0	Investment-grade corporate bonds	33,398,000	5/19/2025	0.34%
PFIZER INVESTMENT ENTERPRISES PTE LTD	716973AB8	Investment-grade corporate bonds	45,092,000	5/19/2026	0.46%
PNC BANK NA	05552JAA7	Investment-grade corporate bonds	36,033,000	8/27/2024	0.37%
PNC FINANCIAL SERVICES GROUP INC/THE	693475AY1	Investment-grade corporate bonds	1,066,000	11/1/2024	0.01%
PNC FINANCIAL SERVICES GROUP INC/THE	693475BQ7	Investment-grade corporate bonds	44,061,000	6/12/2026	0.45%
PNC FINANCIAL SERVICES GROUP INC/THE	693475BL8	Investment-grade corporate bonds	38,026,000	1/26/2027	0.39%
PRINCIPAL LIFE GLOBAL FUNDING II	74256LEM7	Investment-grade corporate bonds	28,000,000	4/12/2024	0.29%
PRINCIPAL LIFE GLOBAL FUNDING II	74256LER6	Investment-grade corporate bonds	19,115,000	8/23/2024	0.20%
PROTECTIVE LIFE GLOBAL FUNDING	74368CBX1	Investment-grade corporate bonds	14,470,000	1/12/2027	0.15%
PUBLIC STORAGE OPERATING CO	74460WAB3	Investment-grade corporate bonds	58,527,000	4/23/2024	0.60%
PUBLIC STORAGE OPERATING CO	74460WAJ6	Investment-grade corporate bonds	17,408,000	7/25/2025	0.18%
RABOBANK NEDERLAND NV NY	21688AAT9	Investment-grade corporate bonds	63,599,000	1/10/2025	0.65%
RABOBANK NEDERLAND NV NY	21688ABA9	Investment-grade corporate bonds	23,840,000	1/9/2026	0.24%
REALTY INCOME CORP	756109AQ7	Investment-grade corporate bonds	11,336,000	7/15/2024	0.12%
REALTY INCOME CORP	756109BQ6	Investment-grade corporate bonds	9,393,000	1/13/2026	0.10%
ROGERS COMMUNICATIONS INC	775109CF6	Investment-grade corporate bonds	33,280,000	3/15/2025	0.33%
ROYAL BANK OF CANADA	78016EZV2	Investment-grade corporate bonds	37,565,000	7/29/2024	0.39%
ROYAL BANK OF CANADA	78016EZY6	Investment-grade corporate bonds	45,925,000	10/7/2024	0.47%
ROYAL BANK OF CANADA	78016HZR4	Investment-grade corporate bonds	48,280,000	7/20/2026	0.50%
RTX CORP	75513ECQ2	Investment-grade corporate bonds	4,802,000	2/27/2026	0.05%
SANTANDER HOLDINGS USA INC	80282KAW6	Investment-grade corporate bonds	32,445,000	6/7/2024	0.33%
SANTANDER UK GROUP HOLDINGS PLC	80281LAS4	Investment-grade corporate bonds	9,964,000	11/21/2026	0.10%
SHERWIN-WILLIAMS CO/THE	824348AV8	Investment-grade corporate bonds	275,000	6/1/2024	0.00%
SIMON PROPERTY GROUP LP	828807DG9	Investment-grade corporate bonds	51,739,000	9/13/2024	0.52%
SIMON PROPERTY GROUP LP	828807CS4	Investment-grade corporate bonds	21,715,000	10/1/2024	0.22%
SKANDINAVISKA ENSKILDA BANKEN AB	830505AZ6	Investment-grade corporate bonds	23,865,000	3/5/2027	0.25%
SOCIETE GENERALE SA	83368RAU6	Investment-grade corporate bonds	28,950,000	10/16/2024	0.29%
SOCIETE GENERALE SA	83368RAV4	Investment-grade corporate bonds	45,703,000	1/22/2025	0.46%
SPRINT LLC	85207UAH8	Investment-grade corporate bonds	17,393,000	6/15/2024	0.18%
STATE STREET CORP	857477CB7	Investment-grade corporate bonds	52,004,000	5/18/2026	0.53%
STATE STREET CORP	857477CE1	Investment-grade corporate bonds	19,120,000	8/3/2026	0.20%
SUMITOMO MITSUI FINANCIAL GROUP INC	86562MAA8	Investment-grade corporate bonds	22,646,000	4/2/2024	0.23%
SUMITOMO MITSUI FINANCIAL GROUP INC	J7771XAB5	Investment-grade corporate bonds	45,991,000	4/2/2024	0.47%
SUMITOMO MITSUI TRUST BANK LTD	86563VAX7	Investment-grade corporate bonds	51,242,000	9/16/2024	0.53%
SUMITOMO MITSUI TRUST BANK LTD	86563VAZ2	Investment-grade corporate bonds	13,939,000	3/10/2025	0.14%
SUMITOMO MITSUI TRUST BANK LTD	86563VBK4	Investment-grade corporate bonds	9,670,000	9/14/2026	0.10%
SUMITOMO MITSUI TRUST BANK LTD	86563VBP3	Investment-grade corporate bonds	9,625,000	3/7/2027	0.10%
SWEDBANK AB	87020PAR8	Investment-grade corporate bonds	28,103,000	4/4/2025	0.29%



As of 3/31/2024

	Cusia		Principal	Maturity Data1	Percent of
Issuer Name	Cusip	Security Type	Amount	Maturity Date ¹	Portfolio
TORONTO-DOMINION BANK/THE	89114TZF2	Investment-grade corporate bonds	36,820,000	9/10/2024	0.38%
TORONTO-DOMINION BANK/THE	89115A2K7	Investment-grade corporate bonds	32,870,000	1/9/2026	0.34%
TORONTO-DOMINION BANK/THE	89115A2V3	Investment-grade corporate bonds	5,030,000	12/11/2026	0.05%
TOYOTA MOTOR CREDIT CORP	89236TJP1	Investment-grade corporate bonds	47,610,000	9/13/2024	0.49%
TOYOTA MOTOR CREDIT CORP	89236TLG8	Investment-grade corporate bonds	23,930,000	6/9/2025	0.25%
TRANSCANADA PIPELINES LTD	89352HBB4	Investment-grade corporate bonds	32,877,000	10/12/2024	0.33%
TRUIST FINANCIAL CORP	89788MAF9	Investment-grade corporate bonds	20,125,000	6/9/2025	0.21%
UBS GROUP AG	902613AR9	Investment-grade corporate bonds	56,339,000	8/5/2025	0.58%
UBS GROUP AG	225401AM0	Investment-grade corporate bonds	41,226,000	9/11/2025	0.42%
UBS GROUP AG	225401AQ1	Investment-grade corporate bonds	13,040,000	6/5/2026	0.13%
VMWARE LLC	928563AH8	Investment-grade corporate bonds	33,037,000	8/15/2024	0.33%
VOLKSWAGEN GROUP OF AMERICA FINANCE LLC	928668BQ4	Investment-grade corporate bonds	51,319,000	6/7/2024	0.53%
VOLKSWAGEN GROUP OF AMERICA FINANCE LLC	928668CD2	Investment-grade corporate bonds	47,860,000	3/20/2026	0.49%
WEC ENERGY GROUP INC	92939UAM8	Investment-grade corporate bonds	19,135,000	9/12/2026	0.20%
WELLS FARGO & CO	95000U2T9	Investment-grade corporate bonds	23,738,000	5/19/2025	0.24%
WELLS FARGO & CO	95000U2H5	Investment-grade corporate bonds	37,678,000	10/30/2025	0.38%
WELLS FARGO & CO	95000U2Y8	Investment-grade corporate bonds	53,919,000	4/25/2026	0.56%
WELLS FARGO & CO	95000U2F9	Investment-grade corporate bonds	9,645,000	6/17/2027	0.09%
WELLS FARGO BANK NA	94988J6J1	Investment-grade corporate bonds	14,460,000	1/15/2026	0.15%
WESTLAKE CORP	960413AX0	Investment-grade corporate bonds	7,332,000	8/15/2024	0.07%
WESTPAC BANKING CORP	961214EV1	Investment-grade corporate bonds	48,716,000	11/18/2024	0.50%
WESTPAC BANKING CORP	961214FM0	Investment-grade corporate bonds	38,333,000	11/17/2025	0.40%
ROYAL BANK OF CANADA		Repurchase agreement	25,000,000	5/6/2024	0.26%
AMERIQUEST MORTGAGE SECURITIES INC ASSET-BACKED PASS-THROUG	03072SRX5	Residential MBS (non-agency)	176,111	7/25/2034	0.00%
AMERIQUEST MORTGAGE SECURITIES INC ASSET-BACKED PASS-THROUG	03072SQ32	Residential MBS (non-agency)	3,934,957	11/25/2035	0.04%
ANGEL OAK MORTGAGE TRUST 2019-5	03464KAA6	Residential MBS (non-agency)	525,327	10/25/2049	0.01%
ANGEL OAK MORTGAGE TRUST 2020-3	03465LAA3	Residential MBS (non-agency)	8,408,932	4/25/2065	0.08%
ARROYO MORTGAGE TRUST 2019-2	042858AA8	Residential MBS (non-agency)	3,033,556	4/25/2049	0.03%
ARROYO MORTGAGE TRUST 2019-3	04285AAA3	Residential MBS (non-agency)	4,163,427	10/25/2048	0.04%
BRAVO RESIDENTIAL FUNDING TRUST	10569EAA9	Residential MBS (non-agency)	3,912,535	3/25/2060	0.04%
BRAVO RESIDENTIAL FUNDING TRUST 2019-1	10568GAD9	Residential MBS (non-agency)	648,981	3/25/2058	0.01%
BRAVO RESIDENTIAL FUNDING TRUST 2020-NQM1	105699AA0	Residential MBS (non-agency)	2,372,483	5/25/2060	0.02%
BRAVO RESIDENTIAL FUNDING TRUST 2021-HE1	10569QAA2	Residential MBS (non-agency)	5,645,395	1/25/2070	0.06%
BRAVO RESIDENTIAL FUNDING TRUST 2021-NQM1	10569TAA6	Residential MBS (non-agency)	3,072,859	2/25/2049	0.03%
CARRINGTON MORTGAGE LOAN TRUST SERIES 2007-HE1	14454EAC5	Residential MBS (non-agency)	2,544,437	6/25/2037	0.03%
COLT FUNDING LLC	19688DAA8	Residential MBS (non-agency)	2,382,000	12/25/2064	0.02%
CREDIT SUISSE MORTGAGE CAPITAL CERTIFICATES	12659LAB8	Residential MBS (non-agency)	5,475,636	4/25/2065	0.05%
CSMC 2020-AFC1 TRUST	12597MAA3	Residential MBS (non-agency)	7,111,473	2/25/2050	0.07%
CSMC SERIES 2019-NQM1	12655VAA2	Residential MBS (non-agency)	2,425,864	10/25/2059	0.02%
ELLINGTON FINANCIAL MORTGAGE TRUST	31573TAA6	Residential MBS (non-agency)	2,373,127	11/25/2059	0.02%
ELLINGTON FINANCIAL MORTGAGE TRUST 2020-2	31573WAA9	Residential MBS (non-agency)	1,167,112	10/25/2065	0.01%



As of 3/31/2024

Issuer Name	Cusip	Security Type	Principal Amount	Maturity Date ¹	Percent of Portfolio
ENCORE CREDIT RECEIVABLES TRUST 2005-4	29256PAY0	Residential MBS (non-agency)	1,109,216	1/25/2036	0.01%
FANNIE MAE CONNECTICUT AVENUE SECURITIES	30711XAM6	Residential MBS (non-agency)	986,910	7/25/2024	0.01%
FANNIE MAE REMICS	64828EAA3	Residential MBS (non-agency)	1,727,461	9/25/2059	0.02%
FINANCE OF AMERICA HECM BUYOUT 2022-HB2	317380AA1	Residential MBS (non-agency)	10,346,013	8/1/2032	0.10%
FIRST FRANKIN MORTGAGE LOAN TRUST 2006-FF3	362334AV6	Residential MBS (non-agency)	1,388,154	2/25/2036	0.01%
FIRST FRANKLIN MORTGAGE LOAN TRUST 2006-FF7	320277AB2	Residential MBS (non-agency)	2,279,413	5/25/2036	0.02%
GALTON FUNDING MORTGAGE TRUST 2019-2	36418AAJ6	Residential MBS (non-agency)	2,085,531	6/25/2059	0.02%
GCAT 2019-NQM3 TRUST	36167VAA2	Residential MBS (non-agency)	1,911,619	11/25/2059	0.02%
GS MORTGAGE-BACKED SECURITIES TRUST 2020-NQM1	36259WAA9	Residential MBS (non-agency)	1,176,545	9/27/2060	0.01%
GSAMP TRUST 2006-HE7	36245EAE8	Residential MBS (non-agency)	73,448	10/25/2046	0.00%
HOME EQUITY ASSET TRUST 2006-1	437084RY4	Residential MBS (non-agency)	102,300	4/25/2036	0.00%
HOME EQUITY ASSET TRUST 2006-4	437084VJ2	Residential MBS (non-agency)	467,051	8/25/2036	0.00%
IMPERIAL FUND MORTGAGE TRUST 2022-NQM2	45276PAA4	Residential MBS (non-agency)	7,454,706	3/25/2067	0.07%
INVITATION HOMES 2018-SFR4 TRUST	46187XAA3	Residential MBS (non-agency)	23,298,772	1/17/2038	0.24%
JP MORGAN MORTGAGE ACQUISITION TRUST 2007-CH2	46630MAX0	Residential MBS (non-agency)	516,683	1/25/2037	0.01%
JP MORGAN RESECURITIZATION TRUST SERIES 2014-1	46641TBG8	Residential MBS (non-agency)	164,860	6/26/2035	0.00%
LONG BEACH MORTGAGE LOAN TRUST 2004-1	542514EU4	Residential MBS (non-agency)	224,404	2/25/2034	0.00%
LONG BEACH MORTGAGE LOAN TRUST 2005-2	542514KV5	Residential MBS (non-agency)	834,758	4/25/2035	0.01%
MASTR ASSET-BACKED SECURITIES TRUST 2006-FRE1	57643LPP5	Residential MBS (non-agency)	50,306	12/25/2035	0.00%
MFA 2020-NQM1 TRUST	552754AA1	Residential MBS (non-agency)	1,062,284	3/25/2065	0.01%
MFA 2021-NQM1 TRUST	55283FAA6	Residential MBS (non-agency)	4,804,755	4/25/2065	0.04%
MORGAN STANLEY ABS CAPITAL I INC TRUST 2006-NC1	61744CYB6	Residential MBS (non-agency)	1,531,424	12/25/2035	0.02%
NATIONSTAR HOME EQUITY LOAN TRUST 2007-B	63860LAE0	Residential MBS (non-agency)	3,459,948	4/25/2037	0.03%
NEW RESIDENTIAL MORTGAGE LOAN TRUST 2018-4	64828FCQ3	Residential MBS (non-agency)	2,924,296	1/25/2048	0.03%
NEW RESIDENTIAL MORTGAGE LOAN TRUST 2020-NQM1	64830VAA1	Residential MBS (non-agency)	1,034,655	1/26/2060	0.01%
OBX 2020-EXP2 TRUST	67448VAF7	Residential MBS (non-agency)	1,035,066	5/25/2060	0.01%
OBX 2020-EXP2 TRUST	67448VAM2	Residential MBS (non-agency)	10,886,417	5/25/2060	0.09%
OBX 2020-EXP3 TRUST	67448WBD9	Residential MBS (non-agency)	347,087	1/25/2060	0.00%
RAMP SERIES 2005-EFC4 TRUST	76112BC73	Residential MBS (non-agency)	200,753	9/25/2035	0.00%
RAMP SERIES 2006-EFC2 TRUST	749238AD3	Residential MBS (non-agency)	471,029	12/25/2036	0.00%
RASC SERIES 2005-KS1 TRUST	76110WM45	Residential MBS (non-agency)	940,549	2/25/2035	0.01%
RASC SERIES 2006-KS3 TRUST	76113ABL4	Residential MBS (non-agency)	994,200	4/25/2036	0.01%
RESIDENTIAL MORTGAGE LOAN TRUST 2019-2	76119DAA7	Residential MBS (non-agency)	24,647	5/25/2059	0.00%
RESIDENTIAL MORTGAGE LOAN TRUST 2019-3	76119NAA5	Residential MBS (non-agency)	681,056	9/25/2059	0.01%
SECURITIZED ASSET BACKED RECEIVABLES LLC TRUST 2006-CB1	81375WHF6	Residential MBS (non-agency)	1,926,498	1/25/2036	0.02%
SG RESIDENTIAL MORTGAGE TRUST 2019-3	78432BAA7	Residential MBS (non-agency)	39,011	9/25/2059	0.00%
SG RESIDENTIAL MORTGAGE TRUST 2022-1	78433QAA3	Residential MBS (non-agency)	2,609,453	3/27/2062	0.02%
SOUNDVIEW HOME LOAN TRUST 2005-OPT3	83611MGU6	Residential MBS (non-agency)	1,770,460	11/25/2035	0.02%
SOUNDVIEW HOME LOAN TRUST 2006-OPT1	83611MLZ9	Residential MBS (non-agency)	751,267	3/25/2036	0.01%
STAR 2021-1 TRUST	85573GAA0	Residential MBS (non-agency)	4,443,693	5/25/2065	0.04%
STARWOOD MORTGAGE RESIDENTIAL TRUST 2021-4	85573PAA0	Residential MBS (non-agency)	8,159,094	8/25/2056	0.07%



As of 3/31/2024

			Principal		Percent of
Issuer Name	Cusip	Security Type	Amount	Maturity Date ¹	Portfolio
STARWOOD MORTGAGE RESIDENTIAL TRUST 2022-2	85573UAA9	Residential MBS (non-agency)	7,408,082	2/25/2067	0.07%
STRUCTURED ASSET INVESTMENT LOAN TRUST 2005-HE3	86358EWX0	Residential MBS (non-agency)	1,151,577	9/25/2035	0.01%
STRUCTURED ASSET SECURITIES CORP 2005-WF1	86359BV73	Residential MBS (non-agency)	366,340	2/25/2035	0.00%
STRUCTURED ASSET SECURITIES CORP MORTGAGE LOAN TRUST 2005-N	86359DCR6	Residential MBS (non-agency)	1,190,657	5/25/2035	0.01%
STRUCTURED ASSET SECURITIES CORP MORTGAGE LOAN TRUST 2006-W	863576FL3	Residential MBS (non-agency)	195,606	2/25/2036	0.00%
TOWD POINT HE TRUST	89180DAA4	Residential MBS (non-agency)	3,617,267	2/25/2063	0.04%
TOWD POINT MORTGAGE TRUST 2017-3	89169DAA9	Residential MBS (non-agency)	1,036,152	7/25/2057	0.01%
TOWD POINT MORTGAGE TRUST 2018-1	89176EAA8	Residential MBS (non-agency)	2,484,824	1/25/2058	0.02%
TOWD POINT MORTGAGE TRUST 2019-HY1	89177EAA7	Residential MBS (non-agency)	3,445,578	10/25/2048	0.04%
TOWD POINT MORTGAGE TRUST 2019-HY2	89177HAA0	Residential MBS (non-agency)	440,460	5/25/2058	0.00%
TOWD POINT MORTGAGE TRUST 2022-SJ1	89180GAW9	Residential MBS (non-agency)	4,551,161	3/25/2062	0.04%
VERUS SECURITIZATION TRUST 2019-4	92537KAA2	Residential MBS (non-agency)	2,929,633	11/25/2059	0.03%
VERUS SECURITIZATION TRUST 2019-INV2	92537HAA9	Residential MBS (non-agency)	2,672,523	7/25/2059	0.03%
VERUS SECURITIZATION TRUST 2019-INV3	92537MAA8	Residential MBS (non-agency)	1,425,560	11/25/2059	0.01%
VERUS SECURITIZATION TRUST 2020-1	92536PAA2	Residential MBS (non-agency)	650,144	1/25/2060	0.01%
VERUS SECURITIZATION TRUST 2020-5	92538CAA9	Residential MBS (non-agency)	4,166,490	5/25/2065	0.04%
AMERICAN EXPRESS CREDIT ACCOUNT MASTER TRUST	02582JJR2	Short-term asset-backed securities	17,900,000	11/15/2026	0.18%
AMERICREDIT AUTOMOBILE RECEIVABLES TRUST 2022-1	03066TAC5	Short-term asset-backed securities	2,858,762	11/18/2026	0.03%
BANK OF AMERICA AUTO TRUST 2023-2	06054YAB3	Short-term asset-backed securities	7,599,000	8/17/2026	0.08%
CAPITAL ONE PRIME AUTO RECEIVABLES TRUST 2022-1	14043QAC6	Short-term asset-backed securities	7,097,879	4/15/2027	0.07%
CAPITAL ONE PRIME AUTO RECEIVABLES TRUST 2023-1	14043KAD7	Short-term asset-backed securities	6,923,413	5/15/2026	0.07%
CARMAX AUTO OWNER TRUST 2022-2	14317HAC5	Short-term asset-backed securities	11,634,002	2/16/2027	0.12%
CARMAX AUTO OWNER TRUST 2022-4	14318UAB7	Short-term asset-backed securities	2,605,148	12/15/2025	0.03%
CARVANA AUTO RECEIVABLES TRUST 2021-P4	14687KAC0	Short-term asset-backed securities	21,631,696	1/11/2027	0.22%
CARVANA AUTO RECEIVABLES TRUST 2022-P2	14686JAC4	Short-term asset-backed securities	10,883,930	4/12/2027	0.11%
CHASE AUTO OWNER TRUST 2023-A	16144KAB4	Short-term asset-backed securities	33,618,983	3/25/2027	0.35%
CITIZENS AUTO RECEIVABLES TRUST 2023-2	17295FAB0	Short-term asset-backed securities	9,053,466	10/15/2026	0.09%
CITIZENS AUTO RECEIVABLES TRUST 2024-1	17331QAB2	Short-term asset-backed securities	15,933,000	10/15/2026	0.16%
FIRST INVESTORS AUTO OWNER TRUST 2022-1	32057KAA8	Short-term asset-backed securities	2,659,730	1/15/2027	0.03%
FORD CREDIT AUTO OWNER TRUST 2018-REV1	34532RAA4	Short-term asset-backed securities	7,435,000	7/15/2031	0.07%
FORD CREDIT AUTO OWNER TRUST 2021-A	34532NAC9	Short-term asset-backed securities	2,847,734	8/15/2025	0.03%
FORD CREDIT AUTO OWNER TRUST 2022-C	34535AAB6	Short-term asset-backed securities	421,200	4/15/2025	0.00%
FOURSIGHT CAPITAL AUTOMOBILE RECEIVABLES TRUST 2022-2	34660DAB7	Short-term asset-backed securities	867,372	3/16/2026	0.01%
GM FINANCIAL CONSUMER AUTOMOBILE RECEIVABLES TRUST 2020-4	36260KAC8	Short-term asset-backed securities	83,308	8/18/2025	0.00%
GM FINANCIAL CONSUMER AUTOMOBILE RECEIVABLES TRUST 2022-2	362585AC5	Short-term asset-backed securities	13,653,392	2/16/2027	0.14%
GM FINANCIAL CONSUMER AUTOMOBILE RECEIVABLES TRUST 2022-3	36265WAD5	Short-term asset-backed securities	30,000,000	4/16/2027	0.30%
HARLEY-DAVIDSON MOTORCYCLE TRUST 2023-B	41285YAB1	Short-term asset-backed securities	10,890,167	12/15/2026	0.11%
HONDA AUTO RECEIVABLES 2022-2 OWNER TRUST	43815PAB5	Short-term asset-backed securities	703,538	3/18/2025	0.01%
HONDA AUTO RECEIVABLES 2023-4 OWNER TRUST	438123AB7	Short-term asset-backed securities	19,855,000	6/22/2026	0.20%
HUNTINGTON AUTO TRUST 2024-1	446144AC1	Short-term asset-backed securities	12,380,000	3/15/2027	0.13%
HYUNDAI AUTO RECEIVABLES TRUST 2023-C	44918CAB8	Short-term asset-backed securities	12,363,000	1/15/2027	0.13%



As of 3/31/2024

Security Detail

Cusip	Security Type	Principal Amount	Maturity Date ¹	Percent of Portfolio
65480MAB9	Short-term asset-backed securities	22,750,000	5/15/2026	0.23%
78435VAB8	Short-term asset-backed securities	8,000,000	6/21/2027	0.08%
88167PAB4	Short-term asset-backed securities	12,409,689	8/20/2025	0.13%
89231XAA9	Short-term asset-backed securities	27,477,000	11/25/2031	0.28%
92868KAC7	Short-term asset-backed securities	13,398,493	6/22/2026	0.13%
92867YAB0	Short-term asset-backed securities	4,460,000	3/22/2027	0.05%
3130ATVC8	U.S. Treasury/agency	21,915,000	6/14/2024	0.22%
	65480MAB9 78435VAB8 88167PAB4 89231XAA9 92868KAC7 92867YAB0	65480MAB9Short-term asset-backed securities78435VAB8Short-term asset-backed securities88167PAB4Short-term asset-backed securities89231XAA9Short-term asset-backed securities92868KAC7Short-term asset-backed securities92867YAB0Short-term asset-backed securities	CusipSecurity TypeAmount65480MAB9Short-term asset-backed securities22,750,00078435VAB8Short-term asset-backed securities8,000,00088167PAB4Short-term asset-backed securities12,409,68989231XAA9Short-term asset-backed securities27,477,00092868KAC7Short-term asset-backed securities13,398,49392867YAB0Short-term asset-backed securities4,460,000	CusipSecurity TypeAmountMaturity Date'65480MAB9Short-term asset-backed securities22,750,0005/15/202678435VAB8Short-term asset-backed securities8,000,0006/21/202788167PAB4Short-term asset-backed securities12,409,6898/20/202589231XAA9Short-term asset-backed securities27,477,00011/25/203192868KAC7Short-term asset-backed securities13,398,4936/22/202692867YAB0Short-term asset-backed securities4,460,0003/22/2027

¹ Certain securities effective maturity is less than the stated final maturity due to certain structural features.

Before investing, carefully consider a fund's investment objectives, risks, charges and expenses. You can find this and other information in each prospectus, or summary prospectus, if available, at franklintempleton.com or putnam.com. Please read it carefully.

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