



Public Markets Asset Listing
As of December 31, 2024

Unaudited

This page intentionally left blank.

Table of Contents

The following pages provide an unaudited list of the domestic and international equities, fixed income, and cash equivalent securities owned by the SBI in the retirement, non-retirement, and State Cash accounts. Invested securities lending collateral, derivative holdings, and foreign cash balances are not included.

Retirement Assets

Domestic Equity Securities	5
International Equity Securities	54
Fixed Income and Short Term Securities	96
Cash Equivalent Securities.....	241

Participant-Directed Investment Assets

Stable Value Fund List of Assets.....	243
---------------------------------------	-----

Non-Retirement Program Assets

Domestic Equity Securities	265
International Equity Securities	274
Fixed Income and Short-Term Securities	275
Cash Equivalent Securities.....	298

State Cash Accounts

Fixed Income and Short-Term Securities	300
Cash Equivalent Securities	311

This page intentionally left blank.

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
Total Domestic Equity Securities	329,726,631	18,339,430,825	34,072,159,692
1 800 FLOWERS.COM INC CL A COMMON STOCK USD.01	140,754	1,727,751	1,149,960
10X GENOMICS INC CLASS A COMMON STOCK	46,444	5,223,549	666,936
1ST SOURCE CORP COMMON STOCK	19,231	1,029,846	1,122,706
1STDIBS.COM INC COMMON STOCK USD.0001	667	3,000	2,361
2SEVENTY BIO INC COMMON STOCK USD.0001	17,466	132,778	51,350
374WATER INC COMMON STOCK USD.001	1,644	4,468	1,122
3D SYSTEMS CORP COMMON STOCK USD.001	5,631	102,269	18,470
3M CO COMMON STOCK USD.01	307,794	43,673,895	39,733,127
4D MOLECULAR THERAPEUTICS IN COMMON STOCK USD.0001	83,134	1,346,327	463,056
89BIO INC COMMON STOCK USD.001	9,785	117,251	76,519
8X8 INC COMMON STOCK USD.001	620,108	4,668,268	1,655,688
908 DEVICES INC COMMON STOCK	797	16,211	1,753
A MARK PRECIOUS METALS INC COMMON STOCK USD.01	909	22,899	24,907
A10 NETWORKS INC COMMON STOCK USD.00001	154,913	1,463,488	2,850,399
AAON INC COMMON STOCK USD.004	32,014	2,709,694	3,767,408
AAR CORP COMMON STOCK USD1.0	1,548	50,832	94,861
ABACUS LIFE INC COMMON STOCK USD.0001	138,275	1,130,348	1,082,693
ABBOTT LABORATORIES COMMON STOCK	854,301	56,582,545	96,629,986
ABBVIE INC COMMON STOCK USD.01	1,058,428	99,873,852	188,082,656
ABERCROMBIE + FITCH CO CL A COMMON STOCK USD.01	27,680	3,628,846	4,137,330
ABM INDUSTRIES INC COMMON STOCK USD.01	2,932	89,500	150,060
ABSCI CORP COMMON STOCK USD.0001	4,405	15,867	11,541
ACACIA RESEARCH CORP COMMON STOCK USD.001	3,109	11,982	13,493
ACADEMY SPORTS + OUTDOORS IN COMMON STOCK USD.01	34,861	1,886,077	2,005,553
ACADIA HEALTHCARE CO INC COMMON STOCK USD.01	85,192	4,623,729	3,377,863
ACADIA PHARMACEUTICALS INC COMMON STOCK USD.0001	140,243	2,612,670	2,573,459
ACADIA REALTY TRUST REIT USD.001	63,229	1,111,382	1,527,613
ACCEL ENTERTAINMENT INC COMMON STOCK USD.0001	2,794	28,258	29,840
ACCENTURE PLC CL A COMMON STOCK USD.0000225	374,254	70,665,243	131,658,815
ACCO BRANDS CORP COMMON STOCK USD.01	3,711	30,433	19,483
ACCOLADE INC COMMON STOCK	3,198	96,635	10,937
ACCURAY INC COMMON STOCK USD.001	4,659	16,319	9,225
ACELYRIN INC COMMON STOCK USD.00001	94,519	516,608	296,790
ACHIEVE LIFE SCIENCES INC COMMON STOCK USD.001	928	4,369	3,267
ACI WORLDWIDE INC COMMON STOCK USD.005	304,114	9,067,734	15,786,558
ACM RESEARCH INC CLASS A COMMON STOCK USD.0001	2,388	39,136	36,059
ACNB CORP COMMON STOCK USD2.5	350	11,468	13,941
ACRIVON THERAPEUTICS INC COMMON STOCK	686	11,713	4,130
ACTINIUM PHARMACEUTICALS INC COMMON STOCK USD.01	823	6,017	1,037
ACUITY BRANDS INC COMMON STOCK USD.01	20,273	3,102,500	5,922,351
ACUMEN PHARMACEUTICALS INC COMMON STOCK USD.0001	1,101	2,673	1,894
ACUSHNET HOLDINGS CORP COMMON STOCK USD.001	1,353	44,318	96,171
ACV AUCTIONS INC A COMMON STOCK USD.001	203,978	3,207,510	4,405,925
ADAPTHEALTH CORP COMMON STOCK	222,225	2,442,385	2,115,582
ADAPTIVE BIOTECHNOLOGIES COMMON STOCK USD.0001	55,871	480,479	334,947
ADDUS HOMECARE CORP COMMON STOCK USD.001	1,851	171,494	232,023
ADEIA INC COMMON STOCK	4,786	91,539	66,908
ADIENT PLC COMMON STOCK USD.001	224,897	7,939,726	3,874,975
ADMA BIOLOGICS INC COMMON STOCK USD.0001	10,266	32,681	176,062
ADOBE INC COMMON STOCK USD.0001	260,862	68,807,335	116,000,114
ADT INC COMMON STOCK USD.01	345,117	2,391,991	2,384,758
ADTALEM GLOBAL EDUCATION INC COMMON STOCK USD.01	13,424	638,031	1,219,570
ADTRAN HOLDINGS INC COMMON STOCK	3,477	63,989	28,963
ADVANCE AUTO PARTS INC COMMON STOCK USD.0001	27,408	4,231,013	1,296,124
ADVANCED DRAINAGE SYSTEMS IN COMMON STOCK USD.01	34,318	3,968,676	3,967,161
ADVANCED ENERGY INDUSTRIES COMMON STOCK USD.001	10,843	1,101,631	1,253,776
ADVANCED MICRO DEVICES COMMON STOCK USD.01	967,013	48,651,608	116,805,500
ADVANSIX INC COMMON STOCK USD.01	5,783	175,079	164,758
ADVANTAGE SOLUTIONS INC COMMON STOCK USD.0001	83,782	373,846	244,643
ADVERUM BIOTECHNOLOGIES INC COMMON STOCK USD.0001	565	3,880	2,639

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
AECOM COMMON STOCK USD.01	101,800	4,631,916	10,874,276
AEHR TEST SYSTEMS COMMON STOCK USD.01	23,849	371,364	396,609
AEMETIS INC COMMON STOCK USD.001	986	2,976	2,652
AEROVATE THERAPEUTICS INC COMMON STOCK USD.0001	342	5,585	906
AEROVIRONMENT INC COMMON STOCK USD.0001	1,273	100,665	195,902
AERSALE CORP COMMON STOCK USD.0001	1,421	21,146	8,952
AES CORP COMMON STOCK USD.01	370,943	5,661,761	4,774,036
AEVA TECHNOLOGIES INC COMMON STOCK USD.0001	1,063	31,578	5,049
AFC GAMMA INC REIT USD.01	1,027	19,558	8,555
AFFILIATED MANAGERS GROUP COMMON STOCK USD.01	21,111	2,992,914	3,903,846
AFFIRM HOLDINGS INC COMMON STOCK USD.00001	144,597	3,681,411	8,805,957
AFLAC INC COMMON STOCK USD.1	286,579	11,620,750	29,643,732
AG MORTGAGE INVESTMENT TRUST REIT USD.01	692	4,600	4,602
AGCO CORP COMMON STOCK USD.01	81,135	7,007,341	7,584,500
AGENUS INC COMMON STOCK USD.01	827	45,985	2,266
AGILENT TECHNOLOGIES INC COMMON STOCK USD.01	159,580	12,551,221	21,437,977
AGILON HEALTH INC COMMON STOCK USD.01	13,587	181,765	25,815
AGILYSYS INC COMMON STOCK USD.3	14,638	1,064,325	1,927,971
AGIOS PHARMACEUTICALS INC COMMON STOCK USD.001	10,898	490,823	358,108
AGNC INVESTMENT CORP REIT USD.01	391,197	5,669,812	3,602,924
AGREE REALTY CORP REIT USD.0001	63,957	4,097,843	4,505,771
AIR LEASE CORP COMMON STOCK USD.01	105,850	3,869,926	5,103,029
AIR PRODUCTS + CHEMICALS INC COMMON STOCK USD1.0	155,379	30,335,265	45,066,125
AIR TRANSPORT SERVICES GROUP COMMON STOCK USD.01	2,436	39,425	53,543
AIRBNB INC CLASS A COMMON STOCK USD.0001	278,750	33,477,328	36,630,538
AIRSCULPT TECHNOLOGIES INC COMMON STOCK USD.001	394	2,827	2,045
AIRSHIP AI HOLDINGS INC COMMON STOCK USD.0001	345	734	2,160
AKAMAI TECHNOLOGIES INC COMMON STOCK USD.01	79,754	5,596,237	7,628,470
AKEBIA THERAPEUTICS INC COMMON STOCK USD.0001	12,530	15,167	23,807
AKERO THERAPEUTICS INC COMMON STOCK USD.0001	29,876	743,283	831,150
AKOYA BIOSCIENCES INC COMMON STOCK USD.00001	745	5,301	1,706
ALAMO GROUP INC COMMON STOCK USD.1	461	54,202	85,705
ALARM.COM HOLDINGS INC COMMON STOCK	2,141	115,589	130,173
ALASKA AIR GROUP INC COMMON STOCK USD.01	61,090	4,073,689	3,955,578
ALBANY INTL CORP CL A COMMON STOCK USD.001	1,410	99,276	112,758
ALBEMARLE CORP COMMON STOCK USD.01	56,549	6,797,741	4,867,738
ALBERTSONS COS INC CLASS A COMMON STOCK USD.01	276,149	5,694,547	5,423,566
ALCOA CORP COMMON STOCK USD.01	119,273	4,468,184	4,506,134
ALDEYRA THERAPEUTICS INC COMMON STOCK USD.001	2,185	14,778	10,903
ALECTOR INC COMMON STOCK USD.0001	3,598	61,539	6,800
ALERUS FINANCIAL CORP COMMON STOCK USD1.0	972	20,957	18,701
ALEXANDER + BALDWIN INC REIT	64,089	1,109,518	1,136,939
ALEXANDER S INC REIT USD1.0	94	28,250	18,806
ALEXANDRIA REAL ESTATE EQUIT REIT USD.01	82,310	11,688,764	8,029,341
ALICO INC COMMON STOCK USD1.0	450	12,389	11,669
ALIGHT INC CLASS A COMMON STOCK USD.0001	929,114	7,513,738	6,429,469
ALIGN TECHNOLOGY INC COMMON STOCK USD.0001	35,777	7,358,849	7,459,862
ALIGNMENT HEALTHCARE INC COMMON STOCK USD.001	176,398	1,789,328	1,984,478
ALKAMI TECHNOLOGY INC COMMON STOCK USD.001	76,707	1,461,001	2,813,613
ALKERMES PLC COMMON STOCK USD.01	108,742	2,858,534	3,127,420
ALLEGIANC TRAVEL CO COMMON STOCK USD.001	697	72,780	65,602
ALLEGION PLC COMMON STOCK USD.01	41,773	3,346,101	5,458,896
ALLEGRO MICROSYSTEMS INC COMMON STOCK USD.01	126,133	3,232,546	2,757,267
ALLETE INC COMMON STOCK	2,607	159,058	168,934
ALLIANT ENERGY CORP COMMON STOCK USD.01	123,220	5,478,865	7,287,231
ALLIENT INC COMMON STOCK	27,479	634,684	667,190
ALLISON TRANSMISSION HOLDING COMMON STOCK USD.01	87,849	3,640,762	9,492,963
ALLOGENE THERAPEUTICS INC COMMON STOCK USD.001	4,850	68,939	10,331
ALLSTATE CORP COMMON STOCK USD.01	194,908	22,242,800	37,576,313
ALLY FINANCIAL INC COMMON STOCK USD.01	169,062	4,287,737	6,087,923
ALNYLAM PHARMACEUTICALS INC COMMON STOCK USD.01	77,513	9,943,344	18,239,584

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ALPHA + OMEGA SEMICONDUCTOR COMMON STOCK	111,994	4,022,202	4,147,138
ALPHA METALLURGICAL RESOURCE COMMON STOCK USD.01	536	65,098	107,264
ALPHABET INC CL A COMMON STOCK USD.001	3,449,902	219,903,402	653,066,449
ALPHABET INC CL C COMMON STOCK USD.001	2,772,059	162,876,392	527,910,916
ALPHATEC HOLDINGS INC COMMON STOCK USD.0001	4,759	50,085	43,688
ALPINE INCOME PROPERTY TRUST REIT USD.01	30,053	522,983	504,590
ALTA EQUIPMENT GROUP INC COMMON STOCK USD.0001	1,150	13,144	7,521
ALTAIR ENGINEERING INC A COMMON STOCK	2,507	132,669	273,539
ALTI GLOBAL INC COMMON STOCK USD.0001	1,854	13,184	8,176
ALTIMUNE INC COMMON STOCK USD.0001	3,489	21,506	25,156
ALTO NEUROSCIENCE INC COMMON STOCK USD.0001	1,289	16,890	5,452
ALTRIA GROUP INC COMMON STOCK USD.333	815,969	48,669,807	42,667,019
ALTUS POWER INC COMMON STOCK USD.0001	4,135	24,709	16,829
ALUMIS INC COMMON STOCK USD.0001	369	4,224	2,900
ALX ONCOLOGY HOLDINGS INC COMMON STOCK USD.001	1,282	29,702	2,141
AMALGAMATED FINANCIAL CORP COMMON STOCK USD.01	40,118	598,778	1,342,749
AMAZON.COM INC COMMON STOCK USD.01	5,740,723	478,174,468	1,259,457,219
AMBAC FINANCIAL GROUP INC COMMON STOCK USD.01	1,981	36,923	25,060
AMBARELLA INC COMMON STOCK USD.00045	12,862	849,817	935,582
AMC ENTERTAINMENT HLDS CL A COMMON STOCK USD.01	15,696	213,491	62,470
AMC NETWORKS INC A COMMON STOCK	41,364	382,026	409,504
AMCOR PLC COMMON STOCK USD.01	679,588	6,863,218	6,394,923
AMDOCS LTD COMMON STOCK GBP.0001	109,282	7,643,796	9,304,269
AMEDISYS INC COMMON STOCK USD.001	15,377	2,954,783	1,396,078
AMENTUM HOLDINGS INC COMMON STOCK	60,622	774,144	1,274,881
AMER SPORTS INC COMMON STOCK	28,481	358,231	796,329
AMERANT BANCORP INC COMMON STOCK USD.1	145,656	3,390,430	3,264,151
AMEREN CORPORATION COMMON STOCK USD.01	126,629	8,201,794	11,287,709
AMERESCO INC CL A COMMON STOCK USD.0001	1,443	42,421	33,882
AMERICA S CAR MART INC COMMON STOCK USD.01	293	22,238	15,016
AMERICAN AIRLINES GROUP INC COMMON STOCK	475,371	12,488,216	8,285,717
AMERICAN ASSETS TRUST INC REIT USD.01	41,626	917,588	1,093,099
AMERICAN AXLE + MFG HOLDINGS COMMON STOCK USD.01	50,981	405,236	297,219
AMERICAN COASTAL INSURANCE C COMMON STOCK USD.0001	1,471	13,958	19,800
AMERICAN EAGLE OUTFITTERS COMMON STOCK USD.01	8,242	137,122	137,394
AMERICAN ELECTRIC POWER COMMON STOCK USD6.5	254,256	18,768,770	23,450,031
AMERICAN EXPRESS CO COMMON STOCK USD.2	334,232	36,937,598	99,196,715
AMERICAN FINANCIAL GROUP INC COMMON STOCK	44,585	3,690,934	6,105,024
AMERICAN HEALTHCARE REIT INC REIT USD.01	89,780	1,225,092	2,551,548
AMERICAN HOMES 4 RENT A REIT USD.01	215,280	6,390,709	8,055,778
AMERICAN INTERNATIONAL GROUP COMMON STOCK USD2.5	492,566	26,037,762	35,858,805
AMERICAN PUBLIC EDUCATION COMMON STOCK USD.01	12,685	233,065	273,615
AMERICAN REALTY INVESTORS IN COMMON STOCK USD.01	45	819	661
AMERICAN SOFTWARE INC CL A COMMON STOCK USD.1	1,596	20,516	17,684
AMERICAN STATES WATER CO COMMON STOCK	1,694	101,305	131,658
AMERICAN SUPERCONDUCTOR CORP COMMON STOCK USD.01	47,920	757,145	1,180,270
AMERICAN TOWER CORP REIT USD.01	253,936	41,689,607	46,574,402
AMERICAN VANGUARD CORP COMMON STOCK USD.1	1,023	16,835	4,736
AMERICAN WATER WORKS CO INC COMMON STOCK USD.01	93,632	9,078,702	11,656,248
AMERICAN WOODMARK CORP COMMON STOCK	723	38,677	57,500
AMERICOLD REALTY TRUST INC REIT USD.01	135,019	4,442,363	2,889,407
AMERIPRISE FINANCIAL INC COMMON STOCK USD.01	58,813	9,469,372	31,313,806
AMERIS BANCORP COMMON STOCK USD1.0	83,189	3,246,219	5,205,136
AMERISAFE INC COMMON STOCK USD.01	852	35,288	43,912
AMES NATIONAL CORP COMMON STOCK USD2.0	227	4,122	3,730
AMETEK INC COMMON STOCK USD.01	125,082	10,329,220	22,547,281
AMGEN INC COMMON STOCK USD.0001	283,003	52,983,050	73,761,902
AMICUS THERAPEUTICS INC COMMON STOCK USD.01	346,096	4,270,983	3,260,224
AMKOR TECHNOLOGY INC COMMON STOCK USD.001	62,552	2,394,666	1,606,961
AMMO INC COMMON STOCK	4,214	28,584	4,635
AMN HEALTHCARE SERVICES INC COMMON STOCK USD.01	1,790	96,693	42,817

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
AMNEAL PHARMACEUTICALS INC COMMON STOCK USD.01	72,780	430,266	576,418
AMPHASTAR PHARMACEUTICALS IN COMMON STOCK USD.0001	1,718	40,080	63,789
AMPHENOL CORP CL A COMMON STOCK USD.001	759,883	25,123,241	52,773,874
AMPLIFY ENERGY CORP COMMON STOCK	6,784	45,074	40,704
AMPLITUDE INC CLASS A COMMON STOCK USD.00001	384,190	3,929,402	4,053,205
AMPRIUS TECHNOLOGIES INC COMMON STOCK	568	731	1,590
ANALOG DEVICES INC COMMON STOCK USD.167	291,221	25,155,436	61,872,814
ANAPTYSBIO INC COMMON STOCK USD.001	1,069	42,016	14,154
ANAVEX LIFE SCIENCES CORP COMMON STOCK USD.001	3,675	37,496	39,470
ANDERSONS INC/THE COMMON STOCK	60,873	2,150,029	2,466,574
ANGEL OAK MORTGAGE REIT INC REIT USD.01	233	3,301	2,162
ANGI INC COMMON STOCK	1,138,909	2,774,302	1,890,589
ANGIODYNAMICS INC COMMON STOCK USD.01	1,858	30,497	17,019
ANI PHARMACEUTICALS INC COMMON STOCK USD.0001	3,713	216,623	205,255
ANIKA THERAPEUTICS INC COMMON STOCK USD.01	660	16,862	10,864
ANNALY CAPITAL MANAGEMENT IN REIT USD.01	307,563	10,593,429	5,628,403
ANNEXON INC COMMON STOCK	4,611	26,306	23,654
ANSYS INC COMMON STOCK USD.01	42,048	6,559,725	14,184,052
ANTERIX INC COMMON STOCK USD.0001	597	25,566	18,310
ANTERO MIDSTREAM CORP COMMON STOCK	166,434	1,681,480	2,511,489
ANTERO RESOURCES CORP COMMON STOCK USD.01	141,439	4,541,336	4,957,437
ANYWHERE REAL ESTATE INC COMMON STOCK USD.01	4,565	113,083	15,065
AON PLC CLASS A COMMON STOCK	108,159	18,291,603	38,846,386
APA CORP COMMON STOCK USD.625	230,049	9,760,074	5,311,831
APARTMENT INVNT + MGMT CO A REIT USD.01	6,626	137,620	60,230
APELLIS PHARMACEUTICALS INC COMMON STOCK USD.0001	67,698	5,123,803	2,160,243
API GROUP CORP COMMON STOCK USD.0001	105,792	3,903,147	3,805,338
APOGEE ENTERPRISES INC COMMON STOCK USD.333	14,206	843,038	1,014,450
APOGEE THERAPEUTICS INC COMMON STOCK USD.00001	14,241	430,853	645,117
APOLLO COMMERCIAL REAL ESTAT REIT USD.01	6,243	91,599	54,064
APOLLO GLOBAL MANAGEMENT INC COMMON STOCK USD.0001	272,132	15,204,115	44,945,321
APOLLO MEDICAL HOLDINGS INC COMMON STOCK USD.001	1,878	75,005	59,213
APPFOLIO INC A COMMON STOCK USD.0001	16,925	3,703,701	4,175,736
APPIAN CORP A COMMON STOCK USD.0001	1,813	87,816	59,793
APPLE HOSPITALITY REIT INC REIT NPV	193,784	3,069,810	2,974,584
APPLE INC COMMON STOCK USD.00001	8,283,103	530,964,938	2,074,254,653
APPLIED DIGITAL CORP COMMON STOCK USD.001	431,182	2,648,005	3,294,230
APPLIED INDUSTRIAL TECH INC COMMON STOCK	13,788	1,064,647	3,301,812
APPLIED MATERIALS INC COMMON STOCK USD.01	445,757	25,289,125	72,493,461
APPLIED OPTOELECTRONICS INC COMMON STOCK USD.001	2,005	21,068	73,904
APPLIED THERAPEUTICS INC COMMON STOCK USD.0001	4,668	21,837	3,997
APPLOVIN CORP CLASS A COMMON STOCK USD.00003	179,960	18,500,290	58,276,447
APTARGROUP INC COMMON STOCK USD.01	34,445	3,349,925	5,411,310
AQUESTIVE THERAPEUTICS INC COMMON STOCK USD.001	4,262	15,039	15,173
ARAMARK COMMON STOCK USD.01	249,780	6,432,010	9,319,292
ARBOR REALTY TRUST INC REIT USD.01	7,671	101,365	106,243
ARBUTUS BIOPHARMA CORP COMMON STOCK	5,938	18,610	19,417
ARCADIUM LITHIUM PLC COMMON STOCK USD1.0	206,753	870,102	1,060,643
ARCBEST CORP COMMON STOCK USD.01	1,083	59,261	101,066
ARCELLX INC COMMON STOCK USD.001	1,923	51,066	147,475
ARCH CAPITAL GROUP LTD COMMON STOCK USD.01	173,259	5,561,491	16,000,469
ARCHER AVIATION INC A COMMON STOCK USD.0001	49,641	485,841	484,000
ARCHER DANIELS MIDLAND CO COMMON STOCK	254,261	13,380,897	12,845,266
ARCHROCK INC COMMON STOCK USD.01	32,631	554,843	812,186
ARCOSA INC COMMON STOCK USD.01	27,756	1,877,680	2,685,115
ARCTURUS THERAPEUTICS HOLDIN COMMON STOCK USD.001	1,164	50,631	19,753
ARCUS BIOSCIENCES INC COMMON STOCK USD.0001	2,383	51,077	35,483
ARCUTIS BIOTHERAPEUTICS INC COMMON STOCK USD.0001	4,543	60,990	63,284
ARDAGH METAL PACKAGING SA COMMON STOCK USD.01	6,592	36,679	19,842
ARDELYX INC COMMON STOCK USD.000001	10,082	39,448	51,116
ARDENT HEALTH PARTNERS INC COMMON STOCK USD.01	126,971	2,050,219	2,168,665

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ARDMORE SHIPPING CORP COMMON STOCK USD.01	17,075	214,486	207,461
ARES COMMERCIAL REAL ESTATE REIT USD.01	2,684	36,369	15,809
ARES MANAGEMENT CORP A COMMON STOCK	102,676	7,565,187	18,176,732
ARGAN INC COMMON STOCK USD.15	582	22,162	79,757
ARHAUS INC COMMON STOCK USD.001	2,327	39,438	21,874
ARIS WATER SOLUTIONS INC A COMMON STOCK USD.0000001	22,324	320,636	534,660
ARISTA NETWORKS INC COMMON STOCK USD.0001	559,201	12,735,129	61,808,487
ARKO CORP COMMON STOCK USD.0001	4,195	39,396	27,645
ARLO TECHNOLOGIES INC COMMON STOCK USD.001	573,845	3,887,984	6,421,326
ARMADA HOFFLER PROPERTIES IN REIT USD.01	3,126	37,456	31,979
ARMOUR RESIDENTIAL REIT INC REIT USD.0001	2,251	80,913	42,454
ARMSTRONG WORLD INDUSTRIES COMMON STOCK USD.01	59,034	4,808,326	8,343,275
ARQ INC COMMON STOCK	781	4,814	5,912
ARRAY TECHNOLOGIES INC COMMON STOCK USD.001	6,801	134,661	41,078
ARRIVENT BIOPHARMA INC COMMON STOCK USD.0001	1,281	30,419	34,126
ARROW ELECTRONICS INC COMMON STOCK USD1.0	61,021	4,972,180	6,902,696
ARROW FINANCIAL CORP COMMON STOCK USD1.0	833	20,446	23,915
ARROWHEAD PHARMACEUTICALS IN COMMON STOCK USD.001	5,355	152,437	100,674
ARS PHARMACEUTICALS INC COMMON STOCK USD.0001	2,492	19,666	26,291
ARTERIS INC COMMON STOCK USD.001	749	5,631	7,632
ARTHUR J GALLAGHER + CO COMMON STOCK USD1.0	166,891	27,819,004	47,372,010
ARTISAN PARTNERS ASSET MA A COMMON STOCK USD.01	2,771	105,885	119,292
ARTIVA BIOTHERAPEUTICS INC COMMON STOCK USD.0001	389	4,849	3,921
ARTIVION INC COMMON STOCK USD.01	1,647	27,907	47,088
ARVINAS INC COMMON STOCK USD.001	66,776	1,955,480	1,280,096
ASANA INC CL A COMMON STOCK USD.00001	3,521	182,500	71,371
ASBURY AUTOMOTIVE GROUP COMMON STOCK USD.01	12,113	470,815	2,943,822
ASGN INC COMMON STOCK USD.01	64,051	5,422,458	5,338,010
ASHLAND INC COMMON STOCK	27,097	1,883,578	1,936,352
ASP ISOTOPE INC COMMON STOCK USD.01	2,762	14,183	12,512
ASPEN AEROGELS INC COMMON STOCK USD.00001	2,617	35,824	31,090
ASPEN TECHNOLOGY INC COMMON STOCK	12,538	2,262,753	3,129,861
ASSOCIATED BANC CORP COMMON STOCK USD.01	148,839	3,569,001	3,557,252
ASSURANT INC COMMON STOCK USD.01	24,788	2,415,298	5,285,297
ASSURED GUARANTY LTD COMMON STOCK USD.01	28,197	1,098,044	2,538,012
AST SPACE MOBILE INC COMMON STOCK USD.0001	5,973	47,963	126,030
ASTEC INDUSTRIES INC COMMON STOCK USD.2	44,264	1,666,039	1,487,270
ASTERA LABS INC COMMON STOCK USD.0001	51,997	6,090,114	6,887,003
ASTRIA THERAPEUTICS INC COMMON STOCK USD.001	2,080	22,487	18,595
ASTRONICS CORP COMMON STOCK USD.01	4,191	70,008	66,888
ASURE SOFTWARE INC COMMON STOCK USD.01	153,869	1,398,130	1,447,907
AT+T INC COMMON STOCK USD1.0	4,005,843	97,630,089	91,213,045
ATEA PHARMACEUTICALS INC COMMON STOCK USD.001	3,745	67,430	12,546
ATI INC COMMON STOCK USD.1	98,824	5,519,917	5,439,273
ATKORE INC COMMON STOCK USD.01	11,056	954,917	922,623
ATLANTA BRAVES HOLDINGS IN A COMMON STOCK USD.01	550	10,626	22,440
ATLANTA BRAVES HOLDINGS IN C COMMON STOCK USD.01	2,402	70,926	91,901
ATLANTIC UNION BANKSHARES CO COMMON STOCK USD1.33	120,267	4,302,892	4,555,714
ATLANTICUS HOLDINGS CORP COMMON STOCK	168	5,697	9,371
ATLAS ENERGY SOLUTIONS INC COMMON STOCK	3,099	58,674	68,736
ATLISSIAN CORP CL A COMMON STOCK USD.00001	169,659	27,281,189	41,291,607
ATMOS ENERGY CORP COMMON STOCK	74,451	7,056,656	10,368,791
ATMUS FILTRATION TECHNOLOGIE COMMON STOCK	36,426	809,640	1,427,171
ATN INTERNATIONAL INC COMMON STOCK USD.01	447	21,408	7,514
ATOSSA THERAPEUTICS INC COMMON STOCK USD.001	3,448	4,131	3,255
ATRICURE INC COMMON STOCK USD.001	124,203	3,078,369	3,795,644
AUDIOEYE INC COMMON STOCK USD.00001	190	3,347	2,890
AURA BIOSCIENCES INC COMMON STOCK USD.00001	1,891	22,192	15,544
AURINIA PHARMACEUTICALS INC COMMON STOCK	13,331	108,251	119,712
AURORA INNOVATION INC COMMON STOCK USD.0001	136,195	539,358	858,029
AUTODESK INC COMMON STOCK USD.01	143,676	23,928,892	42,466,315

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
AUTOMATIC DATA PROCESSING COMMON STOCK USD.1	211,338	29,911,447	61,864,973
AUTONATION INC COMMON STOCK USD.01	29,073	2,854,698	4,937,758
AUTOZONE INC COMMON STOCK USD.01	11,078	11,288,597	35,471,756
AVALONBAY COMMUNITIES INC REIT USD.01	89,558	17,078,929	19,700,073
AVANOS MEDICAL INC COMMON STOCK USD.01	46,963	1,412,011	747,651
AVANTOR INC COMMON STOCK USD.01	936,391	20,876,677	19,729,758
AVEANNA HEALTHCARE HOLDINGS COMMON STOCK USD.01	2,360	22,234	10,785
AVEPOINT INC COMMON STOCK USD.0001	92,136	958,567	1,521,165
AVERY DENNISON CORP COMMON STOCK USD1.0	45,357	4,914,130	8,487,655
AVIAT NETWORKS INC COMMON STOCK USD.01	474	16,088	8,584
AVID BIOSERVICES INC COMMON STOCK USD.001	2,784	31,689	34,382
AVIDITY BIOSCIENCES INC COMMON STOCK	44,098	1,518,921	1,282,370
AVIDXCHANGE HOLDINGS INC COMMON STOCK USD.001	8,150	78,735	84,271
AVIENT CORP COMMON STOCK USD.01	31,320	1,099,654	1,279,735
AVIS BUDGET GROUP INC COMMON STOCK USD.01	7,846	1,233,614	632,466
AVISTA CORP COMMON STOCK	163,769	6,275,346	5,998,858
AVITA MEDICAL INC COMMON STOCK	1,111	17,244	14,221
AVNET INC COMMON STOCK USD1.0	250,564	12,725,946	13,109,508
AXALTA COATING SYSTEMS LTD COMMON STOCK USD1.0	311,945	9,037,326	10,674,758
AXCELIS TECHNOLOGIES INC COMMON STOCK USD.001	9,076	1,039,188	634,140
AXIS CAPITAL HOLDINGS LTD COMMON STOCK USD.0125	36,265	2,074,044	3,213,804
AXOGEN INC COMMON STOCK USD.01	68,856	850,562	1,134,747
AXON ENTERPRISE INC COMMON STOCK USD.00001	81,857	13,874,314	48,649,252
AXOS FINANCIAL INC COMMON STOCK USD.01	2,494	70,608	174,206
AXSOME THERAPEUTICS INC COMMON STOCK USD.0001	35,709	2,455,905	3,021,338
AZEK CO INC/THE COMMON STOCK	109,639	3,647,117	5,204,563
AZENTA INC COMMON STOCK USD.01	24,519	2,194,474	1,225,950
AZZ INC COMMON STOCK USD1.0	29,584	2,503,956	2,423,521
B. RILEY FINANCIAL INC COMMON STOCK USD.0001	886	28,839	4,067
B+G FOODS INC COMMON STOCK USD.01	3,639	92,854	25,073
BACKBLAZE INC A COMMON STOCK USD.001	1,079	6,655	6,496
BADGER METER INC COMMON STOCK USD1.0	1,318	83,545	279,574
BAKER HUGHES CO COMMON STOCK USD.0001	576,045	16,944,824	23,629,366
BALCHEM CORP COMMON STOCK USD.0667	1,440	136,957	234,713
BALL CORP COMMON STOCK	142,110	6,790,997	7,834,524
BALLY S CORP COMMON STOCK USD.01	1,454	52,509	26,012
BANC OF CALIFORNIA INC COMMON STOCK USD.01	254,545	3,235,184	3,935,266
BANCFIRST CORP COMMON STOCK USD1.0	994	62,201	116,477
BANCO LATINOAMERICANO COME E COMMON STOCK	10,437	232,547	371,244
BANCORP INC/THE COMMON STOCK USD1.0	2,195	35,630	115,523
BANDWIDTH INC CLASS A COMMON STOCK USD.001	4,518	163,578	76,896
BANK FIRST CORP COMMON STOCK USD1.0	434	31,827	43,005
BANK OF AMERICA CORP COMMON STOCK USD.01	4,658,240	132,120,377	204,729,648
BANK OF HAWAII CORP COMMON STOCK USD.01	1,736	75,501	123,673
BANK OF MARIN BANCORP/CA COMMON STOCK	812	26,973	19,301
BANK OF N.T. BUTTERFIELD+SON COMMON STOCK BMD1.0	134,214	4,404,039	4,905,522
BANK OF NEW YORK MELLON CORP COMMON STOCK USD.01	421,775	19,696,715	32,404,973
BANK OZK COMMON STOCK	107,261	3,973,482	4,776,332
BANK7 CORP COMMON STOCK USD.01	127	3,167	5,926
BANKUNITED INC COMMON STOCK USD.01	28,334	1,006,390	1,081,509
BANKWELL FINANCIAL GROUP INC COMMON STOCK NPV	181	5,337	5,638
BANNER CORPORATION COMMON STOCK USD.01	68,321	3,443,615	4,561,793
BAR HARBOR BANKSHARES COMMON STOCK USD2.0	732	20,877	22,385
BARK INC COMMON STOCK USD.0001	4,848	8,499	8,920
BARNES GROUP INC COMMON STOCK USD.01	2,142	93,408	101,231
BARRETT BUSINESS SVCS INC COMMON STOCK USD.01	1,312	17,455	56,993
BATH + BODY WORKS INC COMMON STOCK USD.5	176,127	6,483,815	6,828,444
BAXTER INTERNATIONAL INC COMMON STOCK USD1.0	371,637	22,006,910	10,836,935
BAYCOM CORP COMMON STOCK	16,179	366,976	434,244
BCB BANCORP INC COMMON STOCK	524	8,229	6,204
BEACON ROOFING SUPPLY INC COMMON STOCK USD.01	19,755	1,253,667	2,006,713

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BEAM THERAPEUTICS INC COMMON STOCK USD.01	13,894	420,189	344,571
BEAUTY HEALTH CO/THE COMMON STOCK USD.0001	3,501	66,165	5,567
BEAZER HOMES USA INC COMMON STOCK USD.001	79,566	2,609,247	2,184,882
BECTON DICKINSON AND CO COMMON STOCK USD1.0	153,293	32,422,384	34,777,583
BEL FUSE INC CL A COMMON STOCK USD.1	52	4,208	4,684
BEL FUSE INC CL B COMMON STOCK USD.1	3,030	151,001	249,884
BELDEN INC COMMON STOCK USD.01	42,556	2,215,335	4,792,231
BELLRING BRANDS INC COMMON STOCK USD.01	101,313	5,758,823	7,632,921
BENCHMARK ELECTRONICS INC COMMON STOCK USD.1	25,874	1,026,718	1,174,680
BENTLEY SYSTEMS INC CLASS B COMMON STOCK USD.01	69,485	3,704,975	3,244,950
BERKSHIRE HATHAWAY INC CL B COMMON STOCK USD.0033	977,666	192,847,167	443,156,444
BERKSHIRE HILLS BANCORP INC COMMON STOCK USD.01	1,922	53,771	54,642
BERRY CORP COMMON STOCK USD.001	209,587	1,363,112	865,594
BERRY GLOBAL GROUP INC COMMON STOCK USD.01	102,623	4,490,048	6,636,629
BEST BUY CO INC COMMON STOCK USD.1	177,346	11,266,002	15,216,287
BEYOND INC COMMON STOCK USD.0001	1,941	62,780	9,569
BEYOND MEAT INC COMMON STOCK	2,629	145,263	9,885
BGC GROUP INC A COMMON STOCK USD.01	111,868	511,635	1,013,524
BICARA THERAPEUTICS INC COMMON STOCK USD.0001	1,144	20,259	19,928
BIGBEAR.AI HOLDINGS INC COMMON STOCK USD.0001	2,643	4,911	11,761
BIGCOMMERCE HOLDINGS SER 1 COMMON STOCK USD.0001	2,993	115,356	18,317
BIGLARI HOLDINGS INC B COMMON STOCK	1,956	236,037	497,391
BILL HOLDINGS INC COMMON STOCK USD.00001	47,302	6,507,658	4,006,952
BIO RAD LABORATORIES A COMMON STOCK USD.0001	9,569	2,681,130	3,143,512
BIO TECHNE CORP COMMON STOCK USD.01	73,556	3,243,623	5,298,239
BIOAGE LABS INC COMMON STOCK USD.00001	368	2,262	2,131
BIOCRYST PHARMACEUTICALS INC COMMON STOCK USD.01	278,748	2,205,791	2,096,185
BIOGEN INC COMMON STOCK USD.0005	134,568	32,066,876	20,578,139
BIOHAVEN LTD COMMON STOCK	35,831	1,393,281	1,338,288
BIO LIFE SOLUTIONS INC COMMON STOCK USD.001	1,585	34,420	41,147
BIOMARIN PHARMACEUTICAL INC COMMON STOCK USD.001	180,503	14,586,501	11,864,462
BIOMEA FUSION INC COMMON STOCK USD.0001	1,159	29,878	4,497
BIOTE CORP A COMMON STOCK USD.0001	718	5,052	4,437
BIOVENTUS INC A COMMON STOCK USD.001	2,232	15,811	23,436
BIRKENSTOCK HOLDING PLC COMMON STOCK NPV	19,223	929,583	1,089,175
BIT DIGITAL INC COMMON STOCK USD.01	5,102	20,728	14,949
BJ S RESTAURANTS INC COMMON STOCK	873	34,926	30,673
BJ S WHOLESALE CLUB HOLDINGS COMMON STOCK USD.01	63,592	4,180,996	5,681,945
BKV CORPORATION COMMON STOCK USD.01	1,093	23,716	25,992
BLACK DIAMOND THERAPEUTICS I COMMON STOCK	1,042	4,864	2,230
BLACK HILLS CORP COMMON STOCK USD1.0	42,132	2,441,864	2,465,565
BLACKBAUD INC COMMON STOCK USD.001	63,972	4,803,767	4,728,810
BLACKLINE INC COMMON STOCK USD.01	2,551	165,803	154,999
BLACKROCK INC COMMON STOCK USD.01	70,795	32,771,618	72,572,662
BLACKSKY TECHNOLOGY INC COMMON STOCK USD.0001	665	8,808	7,175
BLACKSTONE INC COMMON STOCK USD.00001	374,613	39,625,991	64,590,773
BLACKSTONE MORTGAGE TRU CL A REIT USD.01	7,797	233,283	135,746
BLADE AIR MOBILITY INC COMMON STOCK USD.0001	3,195	17,502	13,579
BLEND LABS INC A COMMON STOCK USD.00001	10,801	26,329	45,472
BLINK CHARGING CO COMMON STOCK USD.001	3,496	71,817	4,859
BLOCK INC COMMON STOCK USD.0000001	389,543	32,549,827	33,107,260
BLOOM ENERGY CORP A COMMON STOCK USD.0001	54,622	1,023,769	1,213,155
BLOOMIN BRANDS INC COMMON STOCK USD.01	3,660	78,226	44,689
BLUE BIRD CORP COMMON STOCK USD.0001	1,550	42,645	59,877
BLUE FOUNDRY BANCORP COMMON STOCK USD.01	772	10,574	7,573
BLUE OWL CAPITAL INC COMMON STOCK USD.0001	248,942	3,059,090	5,790,391
BLUEBIRD BIO INC COMMON STOCK USD.01	360	129,514	3,002
BLUELINX HOLDINGS INC COMMON STOCK USD.01	8,369	597,625	854,977
BLUEPRINT MEDICINES CORP COMMON STOCK USD.001	59,960	4,500,160	5,229,711
BOEING CO/THE COMMON STOCK USD5.0	347,338	71,665,349	61,478,826
BOISE CASCADE CO COMMON STOCK USD.01	30,393	2,393,580	3,612,512

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BOK FINANCIAL CORPORATION COMMON STOCK USD.00006	12,561	1,049,747	1,337,118
BOOKING HOLDINGS INC COMMON STOCK USD.008	21,776	45,996,275	108,192,314
BOOT BARN HOLDINGS INC COMMON STOCK USD.0001	10,166	747,144	1,543,402
BOOZ ALLEN HAMILTON HOLDINGS COMMON STOCK USD.01	87,537	7,251,249	11,266,012
BORGWARNER INC COMMON STOCK USD.01	217,881	7,506,339	6,926,437
BORR DRILLING LTD COMMON STOCK USD.05	11,110	60,068	43,329
BOSTON BEER COMPANY INC A COMMON STOCK USD.01	4,207	2,315,651	1,262,016
BOSTON OMAHA CORP CL A COMMON STOCK	1,222	23,480	17,328
BOSTON PROPERTIES INC REIT USD.01	75,403	8,737,965	5,606,967
BOSTON SCIENTIFIC CORP COMMON STOCK USD.01	1,000,927	39,196,406	89,402,800
BOUNDLESS BIO INC COMMON STOCK USD.0001	469	1,418	1,360
BOWHEAD SPECIALTY HOLDINGS I COMMON STOCK USD.01	595	19,333	21,134
BOWMAN CONSULTING GROUP LTD COMMON STOCK USD.01	585	18,040	14,596
BOX INC CLASS A COMMON STOCK USD.0001	6,334	139,402	200,154
BOYD GAMING CORP COMMON STOCK USD.01	34,376	2,006,283	2,493,635
BRAEMAR HOTELS + RESORTS INC REIT USD.01	2,772	14,295	8,316
BRANDYWINE REALTY TRUST REIT USD.01	7,580	105,072	42,448
BRAZE INC A COMMON STOCK USD.0001	3,005	123,288	125,849
BRC INC A COMMON STOCK USD.0001	2,437	19,740	7,725
BREAD FINANCIAL HOLDINGS INC COMMON STOCK USD.01	30,493	1,158,924	1,861,903
BRIDGEBIO PHARMA INC COMMON STOCK	8,183	201,586	224,542
BRIDGER AEROSPACE GROUP HOLD COMMON STOCK	170	637	362
BRIDGEWATER BANCSHARES INC COMMON STOCK USD.001	22,518	322,197	304,218
BRIGHT HORIZONS FAMILY SOLUT COMMON STOCK USD.001	43,190	4,503,344	4,787,612
BRIGHTHOUSE FINANCIAL INC COMMON STOCK USD.01	30,749	1,444,035	1,477,182
BRIGHTSPHERE INVESTMENT GROU COMMON STOCK USD.001	1,288	21,881	33,926
BRIGHTSPIRE CAPITAL INC REIT USD.01	77,166	571,588	435,216
BRIGHTSPRING HEALTH SERVICES COMMON STOCK USD100.0	2,447	20,376	41,672
BRIGHTVIEW HOLDINGS INC COMMON STOCK USD.01	185,997	2,384,739	2,974,092
BRINK S CO/THE COMMON STOCK USD1.0	36,913	2,850,379	3,424,419
BRINKER INTERNATIONAL INC COMMON STOCK USD.1	1,974	59,120	261,140
BRISTOL MYERS SQUIBB CO COMMON STOCK USD.1	1,321,399	72,061,331	74,738,327
BRISTOW GROUP INC COMMON STOCK USD.01	1,088	34,655	37,318
BRIXMOR PROPERTY GROUP INC REIT USD.01	194,315	3,899,075	5,409,730
BROADCOM INC COMMON STOCK	2,686,501	145,655,697	622,838,392
BROADRIDGE FINANCIAL SOLUTIO COMMON STOCK USD.01	55,665	5,437,767	12,585,300
BROADSTONE NET LEASE INC REIT USD.00025	8,839	183,600	140,187
BROOKDALE SENIOR LIVING INC COMMON STOCK USD.01	9,653	102,671	48,555
BROOKFIELD BUSINESS CL A COMMON STOCK	1,161	28,105	28,166
BROOKLINE BANCORP INC COMMON STOCK USD.01	3,905	48,510	46,079
BROWN + BROWN INC COMMON STOCK USD.1	184,846	10,717,777	18,857,989
BROWN FORMAN CORP CLASS A COMMON STOCK USD.15	21,443	1,038,887	808,187
BROWN FORMAN CORP CLASS B COMMON STOCK USD.15	85,436	4,218,655	3,244,859
BRP GROUP INC A COMMON STOCK USD.01	3,123	83,519	121,047
BRT APARTMENTS CORP REIT USD3.0	404	7,937	7,284
BRUKER CORP COMMON STOCK USD.01	54,646	2,055,745	3,203,349
BRUNSWICK CORP COMMON STOCK USD.75	31,591	1,840,971	2,043,306
BUCKLE INC/THE COMMON STOCK USD.01	1,375	43,678	69,864
BUILD A BEAR WORKSHOP INC COMMON STOCK USD.01	556	10,243	25,598
BUILDERS FIRSTSOURCE INC COMMON STOCK USD.01	63,125	3,481,282	9,022,456
BUMBLE INC A COMMON STOCK USD.01	4,473	132,027	36,410
BUNGE GLOBAL SA COMMON STOCK USD.01	96,372	7,684,285	7,493,887
BURFORD CAPITAL LTD COMMON STOCK	9,143	119,459	116,573
BURKE + HERBERT FINANCIAL SE COMMON STOCK	583	35,544	36,356
BURLINGTON STORES INC COMMON STOCK USD.0001	41,046	6,193,735	11,700,573
BUSINESS FIRST BANCSHARES COMMON STOCK USD1.0	34,111	844,715	876,653
BWX TECHNOLOGIES INC COMMON STOCK USD.01	43,484	2,197,772	4,843,683
BYLINE BANCORP INC COMMON STOCK USD.01	1,355	32,249	39,295
BYRNA TECHNOLOGIES INC COMMON STOCK USD.001	93,327	1,010,477	2,688,751
C.H. ROBINSON WORLDWIDE INC COMMON STOCK USD.1	55,096	4,365,407	5,692,519
C3.AI INC A COMMON STOCK USD.001	5,033	162,929	173,286

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
C4 THERAPEUTICS INC COMMON STOCK	258,576	1,012,263	930,874
CABALETTA BIO INC COMMON STOCK USD.00001	1,748	21,559	3,968
CABLE ONE INC COMMON STOCK USD.01	257	125,042	93,065
CABOT CORP COMMON STOCK USD1.0	50,155	3,089,531	4,579,653
CACI INTERNATIONAL INC CL A COMMON STOCK USD.1	13,871	3,126,444	5,604,716
CACTUS INC A COMMON STOCK USD.01	25,028	1,268,663	1,460,634
CADENCE BANK COMMON STOCK USD2.5	7,858	205,109	270,708
CADENCE DESIGN SYS INC COMMON STOCK USD.01	207,942	27,180,623	62,478,253
CADIZ INC COMMON STOCK USD.01	1,091	3,959	5,673
CADRE HOLDINGS INC COMMON STOCK USD.01	17,091	568,573	552,039
CAESARS ENTERTAINMENT INC COMMON STOCK	120,372	10,211,941	4,022,832
CAL MAINE FOODS INC COMMON STOCK USD.01	1,936	71,821	199,253
CALAVO GROWERS INC COMMON STOCK USD.001	886	43,391	22,593
CALEDONIA MINING CORP PLC COMMON STOCK	63,714	760,383	599,549
CALERES INC COMMON STOCK USD.01	1,545	31,645	35,782
CALIFORNIA BANCORP COMMON STOCK USD.01	1,302	18,195	21,535
CALIFORNIA RESOURCES CORP COMMON STOCK USD.01	45,367	2,220,488	2,354,094
CALIFORNIA WATER SERVICE GRP COMMON STOCK USD.01	24,063	1,199,530	1,090,776
CALIX INC COMMON STOCK	2,641	78,599	92,092
CAMDEN NATIONAL CORP COMMON STOCK	613	23,011	26,200
CAMDEN PROPERTY TRUST REIT USD.01	69,922	7,227,023	8,113,749
CAMP4 THERAPEUTICS CORP COMMON STOCK USD.0001	205	1,142	1,070
CAMPBELL SOUP CO COMMON STOCK USD.0375	124,073	5,749,235	5,196,177
CAMPING WORLD HOLDINGS INC A COMMON STOCK USD.01	96,962	2,187,627	2,043,959
CANDEL THERAPEUTICS INC COMMON STOCK USD.01	542	3,351	4,705
CANNAE HOLDINGS INC COMMON STOCK USD.0001	2,888	57,471	57,356
CANOO INC COMMON STOCK USD.0001	89	3,862	125
CANTALOUPE INC COMMON STOCK	2,973	29,896	28,273
CAPITAL BANCORP INC/MD COMMON STOCK USD.01	20,712	407,337	590,292
CAPITAL CITY BANK GROUP INC COMMON STOCK USD.01	21,084	675,052	772,729
CAPITAL ONE FINANCIAL CORP COMMON STOCK USD.01	256,032	25,870,176	45,655,626
CAPITOL FEDERAL FINANCIAL IN COMMON STOCK USD.01	5,369	61,672	31,731
CAPRI HOLDINGS LTD COMMON STOCK	71,503	3,511,652	1,505,853
CAPRICOR THERAPEUTICS INC COMMON STOCK USD.001	1,609	18,052	22,204
CARDIFF ONCOLOGY INC COMMON STOCK USD.0001	1,068	2,380	4,635
CARDINAL HEALTH INC COMMON STOCK	190,702	14,334,094	22,554,326
CARDLYTICS INC COMMON STOCK	1,821	99,800	6,756
CAREDX INC COMMON STOCK USD.001	2,177	75,618	46,610
CARETRUST REIT INC REIT USD.01	108,124	2,945,154	2,924,754
CARGO THERAPEUTICS INC COMMON STOCK USD.001	1,757	47,808	25,336
CARGURUS INC COMMON STOCK USD.001	180,038	3,534,738	6,578,589
CARIBOU BIOSCIENCES INC COMMON STOCK USD.0001	4,470	37,682	7,107
CARLISLE COS INC COMMON STOCK USD1.0	23,793	3,596,818	8,775,810
CARLYLE GROUP INC/THE COMMON STOCK USD1.0	111,686	3,834,543	5,639,026
CARMAX INC COMMON STOCK USD.5	76,893	5,032,929	6,286,772
CARNIVAL CORP COMMON STOCK USD.01	1,519,462	33,076,917	37,864,993
CARPENTER TECHNOLOGY COMMON STOCK USD5.0	20,386	1,792,415	3,459,708
CARRIAGE SERVICES INC COMMON STOCK USD.01	543	16,294	21,639
CARRIER GLOBAL CORP COMMON STOCK USD.01	511,690	15,543,966	34,927,959
CARS.COM INC COMMON STOCK USD.01	2,966	63,242	51,401
CARTER BANKSHARES INC COMMON STOCK USD1.0	1,252	21,847	22,023
CARTER S INC COMMON STOCK USD.01	18,991	1,747,071	1,029,122
CARTESIAN THERAPEUTICS INC COMMON STOCK USD.0001	270	7,636	4,836
CARVANA CO COMMON STOCK USD.001	56,774	7,568,603	11,545,561
CASELLA WASTE SYSTEMS INC A COMMON STOCK USD.01	19,397	1,627,317	2,052,397
CASEY S GENERAL STORES INC COMMON STOCK	18,051	2,575,576	7,152,348
CASS INFORMATION SYSTEMS INC COMMON STOCK USD.5	608	21,718	24,873
CASSAVA SCIENCES INC COMMON STOCK USD.001	1,780	70,891	4,201
CASTLE BIOSCIENCES INC COMMON STOCK USD.001	1,215	54,367	32,380
CATALYST PHARMACEUTICALS INC COMMON STOCK USD.001	5,318	38,181	110,987
CATERPILLAR INC COMMON STOCK USD1.0	289,881	45,313,555	105,157,232

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CATHAY GENERAL BANCORP COMMON STOCK USD.01	3,815	122,764	181,632
CAVA GROUP INC COMMON STOCK USD.0001	35,593	2,390,515	4,014,890
CAVCO INDUSTRIES INC COMMON STOCK USD.01	3,204	1,106,650	1,429,721
CBIZ INC COMMON STOCK USD.01	29,385	1,915,430	2,404,575
CBL + ASSOCIATES PROPERTIES REIT USD.01	973	24,421	28,616
CBOE GLOBAL MARKETS INC COMMON STOCK	59,527	6,290,683	11,631,576
CBRE GROUP INC A COMMON STOCK USD.01	159,585	7,244,374	20,951,915
CCC INTELLIGENT SOLUTIONS HO COMMON STOCK USD.0001	344,965	3,692,728	4,046,439
CDW CORP/DE COMMON STOCK USD.01	64,976	5,552,533	11,308,423
CECO ENVIRONMENTAL CORP COMMON STOCK USD.01	62,265	1,756,958	1,882,271
CELANESE CORP COMMON STOCK USD.0001	63,092	6,066,546	4,366,597
CELUCUITY INC COMMON STOCK USD.001	1,541	19,360	20,172
CELLEX THERAPEUTICS INC COMMON STOCK USD.001	40,788	1,338,389	1,030,713
CELSIUS HOLDINGS INC COMMON STOCK USD.001	87,325	4,392,015	2,300,141
CENCORA INC COMMON STOCK USD.01	80,187	8,346,675	18,016,415
CENTENE CORP COMMON STOCK USD.001	361,172	21,867,269	21,879,800
CENTERPOINT ENERGY INC COMMON STOCK USD.01	668,873	19,541,775	21,223,340
CENTERSPACE REIT	34,152	2,533,303	2,259,155
CENTRAL GARDEN + PET CO COMMON STOCK USD.01	561	21,955	21,767
CENTRAL GARDEN AND PET CO A COMMON STOCK USD.01	2,301	47,726	76,048
CENTRAL PACIFIC FINANCIAL CO COMMON STOCK	44,964	874,102	1,306,204
CENTRUS ENERGY CORP CLASS A COMMON STOCK USD.1	643	21,462	42,830
CENTURI HOLDINGS INC COMMON STOCK USD.01	472	9,266	9,114
CENTURY ALUMINUM COMPANY COMMON STOCK USD.01	2,308	31,236	42,052
CENTURY CASINOS INC COMMON STOCK USD.01	150,769	1,196,806	488,492
CENTURY COMMUNITIES INC COMMON STOCK USD.01	9,125	592,935	669,410
CENTURY THERAPEUTICS INC COMMON STOCK USD.0001	1,777	22,383	1,795
CERENCE INC COMMON STOCK USD.01	1,772	53,789	13,910
CERIBELL INC COMMON STOCK USD.001	15,423	269,141	399,147
CERIDIAN HCM HOLDING INC COMMON STOCK USD.01	71,293	4,329,074	5,178,724
CERTARA INC COMMON STOCK USD.01	243,681	4,179,346	2,595,203
CERUS CORP COMMON STOCK USD.001	7,081	34,468	10,905
CERVOMED INC COMMON STOCK	154	2,638	360
CEVA INC COMMON STOCK USD.001	65,782	2,006,780	2,075,422
CF INDUSTRIES HOLDINGS INC COMMON STOCK USD.01	83,455	3,487,708	7,120,381
CG ONCOLOGY INC COMMON STOCK	43,811	1,235,224	1,256,499
CHAMPIONX CORP COMMON STOCK USD.01	8,782	147,737	238,783
CHARGEPOINT HOLDINGS INC COMMON STOCK	16,267	123,927	17,406
CHARLES RIVER LABORATORIES COMMON STOCK USD.01	24,082	3,429,867	4,445,537
CHART INDUSTRIES INC COMMON STOCK USD.01	19,423	2,713,374	3,706,685
CHARTER COMMUNICATIONS INC A COMMON STOCK USD.001	64,761	21,100,274	22,198,128
CHATHAM LODGING TRUST REIT USD.01	115,688	1,335,261	1,035,408
CHEESECAKE FACTORY INC/THE COMMON STOCK USD.01	2,187	61,090	103,751
CHEFS WAREHOUSE INC/THE COMMON STOCK USD.01	1,557	42,283	76,791
CHEGG INC COMMON STOCK USD.001	4,851	124,972	7,810
CHEMED CORP COMMON STOCK USD1.0	7,097	2,416,853	3,759,991
CHEMOURS CO/THE COMMON STOCK USD.01	224,419	5,730,418	3,792,681
CHEMUNG FINANCIAL CORP COMMON STOCK USD.01	8,893	412,303	434,067
CHENIERE ENERGY INC COMMON STOCK USD.003	135,866	10,741,454	29,193,527
CHESAPEAKE ENERGY CORP COMMON STOCK USD.01	110,945	9,195,747	11,044,575
CHESAPEAKE UTILITIES CORP COMMON STOCK USD.4867	28,492	2,671,030	3,457,504
CHEVRON CORP COMMON STOCK USD.75	966,967	114,687,590	140,055,500
CHEWY INC CLASS A COMMON STOCK USD.01	12,079	224,520	404,526
CHICAGO ATLANTIC REAL ESTATE REIT USD.01	921	14,122	14,202
CHIMERA INVESTMENT CORP REIT USD.01	3,561	134,261	49,854
CHIPOTLE MEXICAN GRILL INC COMMON STOCK USD.01	1,021,584	24,992,266	61,601,515
CHOICE HOTELS INTL INC COMMON STOCK USD.01	12,582	841,391	1,786,392
CHOICEONE FINANCIAL SVCS INC COMMON STOCK	503	14,073	17,927
CHORD ENERGY CORP COMMON STOCK	30,677	5,241,486	3,586,755
CHROMADEX CORP COMMON STOCK USD.001	2,832	14,395	15,024
CHUBB LTD COMMON STOCK	217,234	31,376,109	60,021,754

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CHURCH + DWIGHT CO INC COMMON STOCK USD1.0	168,291	11,753,864	17,621,751
CHURCHILL DOWNS INC COMMON STOCK	33,673	3,344,426	4,496,692
CIBUS INC COMMON STOCK USD.0001	594	4,400	1,651
CIENA CORP COMMON STOCK USD.01	93,180	4,364,359	7,902,596
CIMPRESS PLC COMMON STOCK EUR.01	30,977	2,120,728	2,221,670
CINCINNATI FINANCIAL CORP COMMON STOCK USD2.0	74,164	5,858,430	10,657,367
CINEMARK HOLDINGS INC COMMON STOCK USD.001	33,934	920,714	1,051,275
CINTAS CORP COMMON STOCK	268,841	22,248,445	49,117,251
CIPHER MINING INC COMMON STOCK USD1.0	8,688	33,710	40,312
CIRRUS LOGIC INC COMMON STOCK USD.001	55,172	4,815,163	5,494,028
CISCO SYSTEMS INC COMMON STOCK USD.001	2,002,287	75,914,225	118,535,390
CITI TRENDS INC COMMON STOCK USD.01	175	3,722	4,594
CITIGROUP INC COMMON STOCK USD.01	1,292,626	76,681,379	90,987,944
CITIZENS + NORTHERN CORP COMMON STOCK USD1.0	725	14,870	13,485
CITIZENS FINANCIAL GROUP COMMON STOCK USD.01	360,646	12,696,459	15,781,869
CITIZENS FINANCIAL SERVICES COMMON STOCK USD1.0	207	16,139	13,105
CITY HOLDING CO COMMON STOCK USD2.5	663	37,394	78,552
CITY OFFICE REIT INC REIT USD.01	127,340	830,498	702,917
CIVISTA BANCSHARES INC COMMON STOCK	651	13,739	13,697
CIVITAS RESOURCES INC COMMON STOCK	63,898	4,394,182	2,931,001
CLARIVATE PLC COMMON STOCK USD.01	207,981	5,031,191	1,056,543
CLAROS MORTGAGE TRUST INC COMMON STOCK USD.01	4,082	72,087	18,451
CLARUS CORP COMMON STOCK USD.0001	308,874	2,288,289	1,393,022
CLEAN ENERGY FUELS CORP COMMON STOCK USD.0001	7,794	42,368	19,563
CLEAN HARBORS INC COMMON STOCK USD.01	37,579	2,834,010	8,648,431
CLEANSARK INC COMMON STOCK	11,732	127,809	108,052
CLEAR CHANNEL OUTDOOR HOLDIN COMMON STOCK	14,876	41,548	20,380
CLEAR SECURE INC CLASS A COMMON STOCK USD.00001	193,461	3,646,403	5,153,801
CLEARFIELD INC COMMON STOCK USD.01	578	17,232	17,918
CLEARWATER ANALYTICS HDS A COMMON STOCK USD.001	192,379	4,201,199	5,294,270
CLEARWATER PAPER CORP COMMON STOCK USD.0001	54,568	1,346,652	1,624,489
CLEARWAY ENERGY INC A COMMON STOCK USD.01	19,296	521,986	471,787
CLEARWAY ENERGY INC C COMMON STOCK	36,988	1,044,554	961,688
CLEVELAND CLIFFS INC COMMON STOCK USD.125	232,592	4,664,529	2,186,365
CLIMB BIO INC COMMON STOCK USD.0001	822	6,672	1,480
CLIMB GLOBAL SOLUTIONS INC COMMON STOCK USD.01	266	14,321	33,716
CLIPPER REALTY INC REIT USD.01	240	1,268	1,099
CLOROX COMPANY COMMON STOCK USD1.0	69,660	9,856,778	11,313,481
CLOUDFLARE INC CLASS A COMMON STOCK USD.001	308,260	24,683,921	33,193,437
CME GROUP INC COMMON STOCK USD.01	270,731	46,805,752	62,871,860
CMS ENERGY CORP COMMON STOCK USD.01	303,482	16,756,021	20,227,075
CNA FINANCIAL CORP COMMON STOCK USD2.5	8,562	374,644	414,144
CNB FINANCIAL CORP/PA COMMON STOCK	36,589	800,002	909,603
CNH INDUSTRIAL NV COMMON STOCK EUR.01	1,404,675	16,787,793	15,914,968
CNO FINANCIAL GROUP INC COMMON STOCK USD.01	70,576	1,372,369	2,626,133
CNX RESOURCES CORP COMMON STOCK USD.01	68,797	806,940	2,522,786
COASTAL FINANCIAL CORP/WA COMMON STOCK	542	19,352	46,021
COCA COLA CO/THE COMMON STOCK USD.25	2,188,223	105,188,081	136,238,764
COCA COLA CONSOLIDATED INC COMMON STOCK USD1.0	2,924	3,096,713	3,684,211
CODEXIS INC COMMON STOCK USD.0001	3,788	48,049	18,069
COEUR MINING INC COMMON STOCK USD.01	186,846	1,217,087	1,068,759
COGENT BIOSCIENCES INC COMMON STOCK USD.001	4,517	48,790	35,233
COGENT COMMUNICATIONS HOLDIN COMMON STOCK USD.001	43,145	2,814,749	3,325,185
COGNEX CORP COMMON STOCK USD.002	82,883	3,349,418	2,972,184
COGNIZANT TECH SOLUTIONS A COMMON STOCK USD.01	597,646	38,053,529	45,958,977
COHEN + STEERS INC COMMON STOCK USD.01	1,215	65,989	112,193
COHERENT CORP COMMON STOCK	92,341	5,166,697	8,747,463
COHERUS BIOSCIENCES INC COMMON STOCK USD.0001	5,390	54,403	7,438
COHU INC COMMON STOCK USD1.0	27,578	787,045	736,333
COINBASE GLOBAL INC CLASS A COMMON STOCK USD.00001	100,825	10,097,269	25,034,848
COLGATE PALMOLIVE CO COMMON STOCK USD1.0	540,663	41,620,637	49,151,673

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
COLLEGIUM PHARMACEUTICAL INC COMMON STOCK USD.001	1,456	27,117	41,714
COLONY BANKCORP COMMON STOCK USD1.0	27,693	361,526	446,965
COLUMBIA BANKING SYSTEM INC COMMON STOCK	197,234	5,141,391	5,327,290
COLUMBIA FINANCIAL INC COMMON STOCK USD.01	1,404	25,393	22,197
COLUMBIA SPORTSWEAR CO COMMON STOCK	16,047	1,473,934	1,346,825
COLUMBUS MCKINNON CORP/NY COMMON STOCK USD.01	1,242	42,004	46,252
COMCAST CORP CLASS A COMMON STOCK USD.01	2,951,081	108,745,299	110,754,070
COMERICA INC COMMON STOCK USD5.0	62,464	4,296,384	3,863,398
COMFORT SYSTEMS USA INC COMMON STOCK USD.01	40,634	11,392,277	17,231,254
COMMERCE BANCSHARES INC COMMON STOCK USD5.0	59,137	2,603,630	3,684,830
COMMERCIAL METALS CO COMMON STOCK USD.01	66,513	2,950,302	3,299,045
COMMERCIAL VEHICLE GROUP INC COMMON STOCK USD.01	1,587	15,518	3,936
COMMSCOPE HOLDING CO INC COMMON STOCK USD.01	9,510	143,186	49,547
COMMUNITY BANK SYSTEM INC COMMON STOCK USD1.0	22,902	1,080,018	1,412,595
COMMUNITY HEALTH SYSTEMS INC COMMON STOCK USD.01	6,327	77,304	18,918
COMMUNITY HEALTHCARE TRUST I REIT USD.01	86,301	2,433,022	1,657,842
COMMUNITY TRUST BANCORP INC COMMON STOCK USD5.0	19,064	816,389	1,010,964
COMMUNITY WEST BANCSHARES COMMON STOCK	899	14,401	17,414
COMMVAULT SYSTEMS INC COMMON STOCK USD.01	1,982	103,974	299,104
COMPASS DIVERSIFIED HOLDINGS COMMON STOCK	2,938	64,544	67,809
COMPASS INC CLASS A COMMON STOCK USD.00001	16,937	68,557	99,081
COMPASS MINERALS INTERNATION COMMON STOCK USD.01	1,555	88,172	17,494
COMPASS THERAPEUTICS INC COMMON STOCK USD.0001	5,120	14,857	7,424
COMPOSECURE INC COMMON STOCK USD.0001	11,068	84,776	169,672
COMPX INTERNATIONAL INC COMMON STOCK USD.01	53	1,077	1,386
COMSTOCK RESOURCES INC COMMON STOCK USD.5	4,285	31,876	78,073
CONAGRA BRANDS INC COMMON STOCK USD5.0	279,259	9,864,109	7,749,437
CONCENTRA GROUP HOLDINGS W/I COMMON STOCK USD.01	15,590	280,047	308,370
CONCENTRIX CORP COMMON STOCK	25,252	1,623,459	1,092,654
CONCRETE PUMPING HOLDINGS IN COMMON STOCK USD.0001	1,481	9,051	9,863
CONDUENT INC COMMON STOCK USD.01	6,829	62,960	27,589
CONFLUENT INC CLASS A COMMON STOCK USD.00001	119,862	3,396,101	3,351,342
CONMED CORP COMMON STOCK USD.01	21,393	1,615,283	1,464,137
CONNECTONE BANCORP INC COMMON STOCK	54,390	1,183,893	1,246,075
CONOCOPHILLIPS COMMON STOCK USD.01	781,837	53,034,145	77,534,775
CONSENSUS CLOUD SOLUTION COMMON STOCK USD.01	221,958	8,205,577	5,295,918
CONSOLIDATED EDISON INC COMMON STOCK USD.1	189,795	15,285,973	16,935,408
CONSOLIDATED WATER CO ORD SH COMMON STOCK USD.6	767	18,142	19,858
CONSTELLATION BRANDS INC A COMMON STOCK USD.01	108,176	22,331,819	23,906,896
CONSTELLATION ENERGY COMMON STOCK	155,632	6,924,748	34,816,435
CONSTELLIUM SE COMMON STOCK EUR.02	61,082	978,705	627,312
CONSTRUCTION PARTNERS INC A COMMON STOCK USD.001	1,990	55,890	176,035
CONSUMER PORTFOLIO SERVICES COMMON STOCK	200	2,052	2,172
CONTANGO ORE INC COMMON STOCK USD.001	281	5,967	2,816
CONTINEUM THERAPEUTICS INC A COMMON STOCK USD.001	274	4,383	4,014
CONTRA CHINOOK THERAPE COMMON STOCK	2,807	1,095	1,095
CONTRA ICOSAVAX INC COMMON STOCK	1,134	352	352
CONTRA INHIBRX INC COMMON STOCK	45,915	29,845	29,845
COOPER COS INC/THE COMMON STOCK USD.1	93,017	5,599,321	8,551,053
COOPER STANDARD HOLDING COMMON STOCK USD.001	1,033	15,486	14,007
COPART INC COMMON STOCK	419,590	6,251,891	24,080,270
COPT DEFENSE PROPERTIES REIT USD.01	32,210	923,608	996,900
CORBUS PHARMACEUTICALS HOLDI COMMON STOCK USD.0001	550	23,118	6,490
CORCEPT THERAPEUTICS INC COMMON STOCK USD.001	3,727	60,677	187,804
CORE + MAIN INC CLASS A COMMON STOCK USD.01	107,835	3,705,552	5,489,880
CORE LABORATORIES INC COMMON STOCK	2,108	48,268	36,489
CORE MOLDING TECHNOLOGIES IN COMMON STOCK USD.01	461	11,330	7,625
CORE SCIENTIFIC INC COMMON STOCK USD.0001	8,121	76,044	114,100
COREBRIDGE FINANCIAL INC COMMON STOCK USD.01	49,300	1,532,471	1,475,549
CORECIVIC INC COMMON STOCK USD.01	33,196	695,228	721,681
CORMEDIX INC COMMON STOCK USD.001	3,210	17,315	26,001

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CORNING INC COMMON STOCK USD.5	365,971	10,448,782	17,390,942
CORPAY INC COMMON STOCK USD.001	53,023	10,725,349	17,944,044
CORSAIR GAMING INC COMMON STOCK	1,837	49,520	12,143
CORTEVA INC COMMON STOCK USD.01	353,971	12,668,785	20,162,188
CORVEL CORP COMMON STOCK USD.0001	1,203	42,896	133,846
COSTAMARE INC COMMON STOCK USD.0001	40,353	521,595	518,536
COSTAR GROUP INC COMMON STOCK USD.01	194,565	7,471,284	13,928,908
COSTCO WHOLESALE CORP COMMON STOCK USD.005	257,207	81,449,371	235,671,058
COTERRA ENERGY INC COMMON STOCK USD.1	361,139	8,585,901	9,223,490
COTY INC CL A COMMON STOCK USD.01	196,095	2,439,878	1,364,821
COUCHBASE INC COMMON STOCK USD.00001	104,807	1,904,210	1,633,941
COUPANG INC COMMON STOCK USD.0001	942,867	20,515,420	20,724,217
COURSERA INC COMMON STOCK USD.00001	6,217	137,162	52,845
COUSINS PROPERTIES INC REIT USD1.0	194,322	5,706,566	5,954,026
COVENANT LOGISTICS GROUP INC COMMON STOCK USD.01	377	8,858	20,550
CPI CARD GROUP INC COMMON STOCK USD.001	149	3,650	4,454
CRA INTERNATIONAL INC COMMON STOCK	307	15,548	57,470
CRACKER BARREL OLD COUNTRY COMMON STOCK USD.01	993	104,483	52,490
CRANE CO COMMON STOCK	23,053	1,291,401	3,498,293
CRANE NXT CO COMMON STOCK USD1.0	91,580	4,586,435	5,331,788
CRAWFORD + COMPANY CL A COMMON STOCK USD1.0	449	3,885	5,190
CREDIT ACCEPTANCE CORP COMMON STOCK USD.01	3,164	1,012,955	1,485,371
CREDO TECHNOLOGY GROUP HOLDI COMMON STOCK USD.00005	37,864	617,500	2,544,839
CRESCENT ENERGY INC A COMMON STOCK USD.0001	322,529	4,224,724	4,712,149
CRICUT INC CLASS A COMMON STOCK USD.001	143,821	863,935	819,780
CRINETICS PHARMACEUTICALS IN COMMON STOCK USD.001	77,020	2,692,830	3,938,033
CRITICAL METALS CORP COMMON STOCK USD.001	244	2,661	1,657
CROCS INC COMMON STOCK USD.001	40,172	4,204,521	4,400,039
CROSS COUNTRY HEALTHCARE INC COMMON STOCK USD.0001	1,616	20,336	29,347
CROSSFIRST BANKSHARES INC COMMON STOCK USD.01	76,494	914,038	1,158,884
CROWDSTRIKE HOLDINGS INC A COMMON STOCK	138,856	24,643,976	47,510,969
CROWN CASTLE INC REIT USD.01	208,451	23,816,763	18,919,013
CROWN HOLDINGS INC COMMON STOCK USD5.0	114,331	8,434,410	9,454,030
CRYOPORT INC COMMON STOCK USD.001	1,909	49,940	14,852
CS DISCO INC COMMON STOCK USD.005	157,049	1,101,054	783,675
CSG SYSTEMS INTL INC COMMON STOCK USD.01	1,359	61,516	69,458
CSW INDUSTRIALS INC COMMON STOCK USD.01	756	77,318	266,717
CSX CORP COMMON STOCK USD1.0	1,300,932	29,000,886	41,981,076
CTO REALTY GROWTH INC REIT USD.01	1,245	21,466	24,539
CTS CORP COMMON STOCK	1,385	32,280	73,031
CUBESMART REIT USD.01	109,179	3,631,338	4,678,320
CULLEN/FROST BANKERS INC COMMON STOCK USD.01	29,043	2,826,863	3,899,023
CULLINAN ONCOLOGY INC COMMON STOCK USD.0001	2,529	59,388	30,803
CUMMINS INC COMMON STOCK USD2.5	78,100	11,615,570	27,225,660
CURLINE PROPERTIES CORP REIT USD.01	112,471	2,512,037	2,611,577
CURTISS WRIGHT CORP COMMON STOCK USD1.0	19,923	2,822,677	7,070,075
CUSHMAN + WAKEFIELD PLC COMMON STOCK USD.01	271,883	3,144,827	3,556,230
CUSTOM TRUCK ONE SOURCE INC COMMON STOCK USD.0001	2,428	20,666	11,679
CUSTOMERS BANCORP INC COMMON STOCK USD1.0	58,076	3,026,058	2,827,140
CVB FINANCIAL CORP COMMON STOCK	57,299	1,067,687	1,226,772
CVR ENERGY INC COMMON STOCK USD.01	1,495	45,161	28,016
CVRX INC COMMON STOCK USD.01	816	13,364	10,339
CVS HEALTH CORP COMMON STOCK USD.01	883,841	66,468,894	39,675,622
CYTEK BIOSCIENCES INC COMMON STOCK USD.001	107,560	910,511	698,064
CYTOKINETICS INC COMMON STOCK USD.001	72,633	3,098,506	3,416,656
D WAVE QUANTUM INC COMMON STOCK USD.0001	4,807	14,299	40,379
DAILY JOURNAL CORP COMMON STOCK USD.01	71	18,059	40,327
DAKOTA GOLD CORP COMMON STOCK USD.001	2,593	8,479	5,705
DAKTRONICS INC COMMON STOCK	69,546	653,800	1,172,546
DANA INC COMMON STOCK USD.01	62,434	784,896	721,737
DANAHER CORP COMMON STOCK USD.01	349,043	44,118,688	80,122,821

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
DARDEN RESTAURANTS INC COMMON STOCK	64,337	6,505,262	12,011,075
DARLING INGREDIENTS INC COMMON STOCK USD.01	133,643	7,062,094	4,502,433
DATADOG INC CLASS A COMMON STOCK USD.00001	254,484	26,370,754	36,363,219
DAVE + BUSTER S ENTERTAINMEN COMMON STOCK USD.01	1,659	55,732	48,426
DAVE INC COMMON STOCK USD.0001	29,239	1,283,913	2,541,454
DAVITA INC COMMON STOCK USD.001	89,167	7,294,527	13,334,925
DAY ONE BIOPHARMACEUTICALS I COMMON STOCK USD.0001	2,485	38,163	31,485
DECKERS OUTDOOR CORP COMMON STOCK USD.01	164,864	19,321,340	33,482,230
DEERE + CO COMMON STOCK USD1.0	151,417	26,569,147	64,155,383
DEFINITIVE HEALTHCARE CORP COMMON STOCK USD.001	193,642	1,702,158	795,869
DELEK US HOLDINGS INC COMMON STOCK USD.01	36,044	790,729	666,814
DELL TECHNOLOGIES C COMMON STOCK	149,669	19,083,751	17,247,856
DELTA AIR LINES INC COMMON STOCK USD.0001	408,612	17,874,232	24,721,026
DELUXE CORP COMMON STOCK USD1.0	1,867	60,633	42,176
DENALI THERAPEUTICS INC COMMON STOCK USD.01	30,710	867,822	625,870
DENNY S CORP COMMON STOCK USD.01	2,300	23,314	13,915
DENTSPLY SIRONA INC COMMON STOCK USD.01	106,337	5,149,605	2,018,276
DESIGN THERAPEUTICS INC COMMON STOCK USD.0001	1,808	30,391	11,155
DESIGNER BRANDS INC CLASS A COMMON STOCK	2,320	42,017	12,389
DESPEGAR.COM CORP COMMON STOCK	2,786	37,074	53,631
DESTINATION XL GROUP INC COMMON STOCK USD.01	2,186	9,527	5,880
DEVON ENERGY CORP COMMON STOCK USD.1	637,359	24,902,354	20,860,760
DEXCOM INC COMMON STOCK USD.001	396,716	26,505,217	30,852,603
DHT HOLDINGS INC COMMON STOCK USD.01	80,314	753,624	746,117
DIAMOND HILL INVESTMENT GRP COMMON STOCK	5,331	836,014	826,838
DIAMONDBACK ENERGY INC COMMON STOCK USD.01	129,547	13,048,305	21,223,685
DIAMONDRock HOSPITALITY CO REIT USD.01	90,647	851,909	818,542
DIANTHUS THERAPEUTICS INC COMMON STOCK USD.001	1,080	27,959	23,544
DICK S SPORTING GOODS INC COMMON STOCK USD.01	48,437	3,778,526	11,084,323
DIEBOLD NIXDORF INC COMMON STOCK	1,151	44,363	49,539
DIGI INTERNATIONAL INC COMMON STOCK USD.01	22,481	699,353	679,601
DIGIMARC CORP COMMON STOCK USD.001	696	18,950	26,065
DIGITAL REALTY TRUST INC REIT USD.01	180,743	21,940,118	32,051,156
DIGITAL TURBINE INC COMMON STOCK USD.0001	4,289	72,851	7,248
DIGITALBRIDGE GROUP INC COMMON STOCK USD.01	7,164	196,083	80,810
DIGITALOCEAN HOLDINGS INC COMMON STOCK USD.000025	34,027	1,293,987	1,159,300
DILLARDS INC CL A COMMON STOCK	1,539	653,066	664,448
DIME COMMUNITY BANCSHARES IN COMMON STOCK USD.01	1,497	39,838	46,010
DINE BRANDS GLOBAL INC COMMON STOCK USD.01	13,468	1,022,967	405,387
DIODES INC COMMON STOCK USD.667	45,135	2,870,900	2,783,475
DISC MEDICINE INC COMMON STOCK USD.0001	15,365	629,253	974,141
DISCOVER FINANCIAL SERVICES COMMON STOCK USD.01	135,887	8,776,590	23,539,705
DISTRIBUTION SOLUTIONS GROUP COMMON STOCK USD1.0	537	12,394	18,473
DIVERSIFIED HEALTHCARE TRUST REIT USD.01	9,957	101,033	22,901
DLH HOLDINGS CORP COMMON STOCK USD.001	200	2,114	1,606
DMC GLOBAL INC COMMON STOCK USD.05	889	29,185	6,534
DOCGO INC COMMON STOCK USD.0001	3,936	25,088	16,689
DOCUSIGN INC COMMON STOCK USD.0001	121,144	9,862,828	10,895,691
DOLBY LABORATORIES INC CL A COMMON STOCK USD.001	28,805	1,757,621	2,249,671
DOLE PLC COMMON STOCK USD.01	70,984	996,064	961,123
DOLLAR GENERAL CORP COMMON STOCK USD.875	106,188	11,261,496	8,051,174
DOLLAR TREE INC COMMON STOCK USD.01	96,444	8,372,894	7,227,513
DOMINION ENERGY INC COMMON STOCK	460,918	33,296,017	24,825,043
DOMINO S PIZZA INC COMMON STOCK USD.01	16,486	3,855,771	6,920,163
DOMO INC CLASS B COMMON STOCK USD.001	1,598	57,464	11,314
DONALDSON CO INC COMMON STOCK USD5.0	59,171	2,770,872	3,985,167
DONEGAL GROUP INC CL A COMMON STOCK USD.01	600	8,483	9,282
DONNELLEY FINANCIAL SOLUTION COMMON STOCK USD.01	127,092	3,638,957	7,972,481
DOORDASH INC A COMMON STOCK USD.00001	260,364	32,684,814	43,676,061
DORIAN LPG LTD COMMON STOCK USD.01	15,690	630,037	382,365
DORMAN PRODUCTS INC COMMON STOCK USD.01	31,334	2,810,398	4,059,320

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
DOUBLEVERIFY HOLDINGS INC COMMON STOCK USD.001	70,037	2,235,117	1,345,411
DOUGLAS DYNAMICS INC COMMON STOCK USD.01	987	37,226	23,323
DOUGLAS EMMETT INC REIT USD.01	5,849	113,163	108,557
DOVER CORP COMMON STOCK USD1.0	73,449	6,904,410	13,779,032
DOW INC COMMON STOCK USD.01	480,549	25,763,774	19,284,431
DOXIMITY INC CLASS A COMMON STOCK USD.001	152,653	5,125,247	8,150,144
DR HORTON INC COMMON STOCK USD.01	225,022	19,043,420	31,462,576
DRAFTKINGS INC CL A COMMON STOCK USD.0001	248,961	8,964,078	9,261,349
DREAM FINDERS HOMES INC A COMMON STOCK USD.01	1,330	23,972	30,949
DRILLING TOOLS INTERNATIONAL COMMON STOCK USD.0001	243	1,368	795
DRIVEN BRANDS HOLDINGS INC COMMON STOCK USD.01	2,720	48,720	43,901
DROPBOX INC CLASS A COMMON STOCK USD.00001	181,259	4,425,646	5,445,020
DTE ENERGY COMPANY COMMON STOCK	100,205	9,552,815	12,099,754
DTE MIDSTREAM LLC W/I COMMON STOCK	47,591	1,645,167	4,731,973
DUCOMMUN INC COMMON STOCK USD.01	13,740	879,201	874,688
DUKE ENERGY CORP COMMON STOCK USD.001	372,338	32,037,933	40,115,696
DUN + BRADSTREET HOLDINGS IN COMMON STOCK	146,475	2,861,227	1,825,079
DUOLINGO COMMON STOCK USD.0001	21,638	4,773,097	7,015,689
DUPONT DE NEMOURS INC COMMON STOCK USD.01	235,121	18,344,312	17,927,976
DUTCH BROS INC CLASS A COMMON STOCK USD.00001	63,899	2,551,874	3,347,030
DXC TECHNOLOGY CO COMMON STOCK USD.01	117,176	5,530,464	2,341,176
DXP ENTERPRISES INC COMMON STOCK USD.01	568	19,953	46,928
DYCOM INDUSTRIES INC COMMON STOCK USD.3333333	1,286	87,985	223,841
DYNATRACE INC COMMON STOCK USD.001	150,045	5,656,186	8,154,946
DYNAVAX TECHNOLOGIES CORP COMMON STOCK USD.001	15,101	187,334	192,840
DYNE THERAPEUTICS INC COMMON STOCK	3,630	85,000	85,523
DYNEX CAPITAL INC REIT USD.01	173,261	1,919,045	2,191,752
E2OPEN PARENT HOLDINGS INC COMMON STOCK USD.0001	9,090	89,598	24,179
EAGLE BANCORP INC COMMON STOCK USD.01	1,369	51,738	35,635
EAGLE MATERIALS INC COMMON STOCK USD.01	26,712	2,495,364	6,591,453
EAST WEST BANCORP INC COMMON STOCK USD.001	76,862	4,212,469	7,360,305
EASTERLY GOVERNMENT PROPERTI REIT USD.01	4,740	89,596	53,846
EASTERN BANKSHARES INC COMMON STOCK USD.01	95,583	1,656,807	1,648,807
EASTERN CO/THE COMMON STOCK	133	3,389	3,530
EASTGROUP PROPERTIES INC REIT	29,700	4,881,530	4,766,553
EASTMAN CHEMICAL CO COMMON STOCK USD.01	92,887	6,716,032	8,482,441
EASTMAN KODAK CO COMMON STOCK USD.01	2,738	17,846	17,989
EATON CORP PLC COMMON STOCK USD.01	283,210	39,481,128	93,988,903
EBAY INC COMMON STOCK USD.001	295,736	10,279,924	18,320,845
ECHOSTAR CORP A COMMON STOCK USD.001	5,487	199,777	125,652
ECOLAB INC COMMON STOCK USD1.0	153,298	24,808,499	35,920,787
ECOVYST INC COMMON STOCK	982,658	9,097,110	7,507,507
EDGEWELL PERSONAL CARE CO COMMON STOCK USD.01	2,248	99,239	75,533
EDGEWISE THERAPEUTICS INC COMMON STOCK USD.0001	3,492	55,384	93,236
EDISON INTERNATIONAL COMMON STOCK	181,058	12,430,241	14,455,671
EDITAS MEDICINE INC COMMON STOCK USD.0001	4,086	75,844	5,189
EDWARDS LIFESCIENCES CORP COMMON STOCK USD1.0	287,817	14,546,326	21,307,093
EGAIN CORP COMMON STOCK USD.001	1,259	13,696	7,844
EL POLLO LOCO HOLDINGS INC COMMON STOCK USD.01	1,161	16,620	13,398
ELAH HOLDINGS COMMON STOCK	1,851	2,695,965	36,442
ELANCO ANIMAL HEALTH INC COMMON STOCK	342,809	7,588,607	4,151,417
ELASTIC NV COMMON STOCK EUR.01	51,558	4,317,804	5,108,367
ELECTRONIC ARTS INC COMMON STOCK USD.01	164,434	16,942,145	24,056,694
ELEMENT SOLUTIONS INC COMMON STOCK USD.01	166,373	3,034,154	4,230,865
ELEVANCE HEALTH INC COMMON STOCK USD.01	153,397	38,885,010	56,588,153
ELEVATION ONCOLOGY INC COMMON STOCK USD.0001	1,395	3,778	785
ELF BEAUTY INC COMMON STOCK USD.01	125,643	18,787,974	15,774,479
ELI LILLY + CO COMMON STOCK	461,753	81,613,708	356,473,316
ELLINGTON FINANCIAL INC REIT	3,426	51,759	41,523
ELME COMMUNITIES REIT USD.01	8,635	186,742	131,856
EMBECTA CORP COMMON STOCK USD.01	21,195	370,125	437,677

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
EMCOR GROUP INC COMMON STOCK USD.01	38,875	9,141,358	17,645,363
EMERALD HOLDING INC COMMON STOCK USD.01	455	1,808	2,193
EMERSON ELECTRIC CO COMMON STOCK USD.5	296,624	19,760,225	36,760,612
EMPIRE PETROLEUM CORP COMMON STOCK USD.001	1,308	13,265	9,941
EMPIRE STATE REALTY TRUST A REIT USD.01	6,032	76,993	62,250
EMPLOYERS HOLDINGS INC COMMON STOCK USD.01	1,021	31,858	52,306
ENACT HOLDINGS INC COMMON STOCK USD.01	39,088	860,799	1,265,669
ENANTA PHARMACEUTICALS INC COMMON STOCK USD.01	904	46,388	5,198
ENCOMPASS HEALTH CORP COMMON STOCK USD.01	73,149	4,888,194	6,755,310
ENCORE CAPITAL GROUP INC COMMON STOCK USD.01	67,954	3,288,793	3,246,163
ENCORE ENERGY CORP COMMON STOCK	8,558	22,610	29,183
ENERGIZER HOLDINGS INC COMMON STOCK	30,475	1,154,781	1,063,273
ENERGY FUELS INC COMMON STOCK	9,165	45,421	47,016
ENERGY RECOVERY INC COMMON STOCK USD.001	2,537	41,847	37,294
ENERGY VAULT HOLDINGS INC COMMON STOCK USD.0001	6,203	29,944	14,143
ENERPAC TOOL GROUP CORP COMMON STOCK USD.2	2,521	55,741	103,588
ENERSYS COMMON STOCK USD.01	15,523	1,416,434	1,434,791
ENFUSION INC CLASS A COMMON STOCK USD.001	1,969	25,835	20,281
ENHABIT INC COMMON STOCK USD.01	2,038	24,389	15,917
ENLIVEN THERAPEUTICS INC COMMON STOCK USD.01	1,804	39,651	40,590
ENNIS INC COMMON STOCK USD2.5	2,671	53,383	56,331
ENOVA INTERNATIONAL INC COMMON STOCK USD.00001	17,774	388,258	1,704,171
ENOVIS CORP COMMON STOCK USD.001	54,858	2,895,620	2,407,169
ENOVIX CORP COMMON STOCK USD.0001	7,709	87,171	83,797
ENPHASE ENERGY INC COMMON STOCK USD.00001	110,929	10,245,617	7,618,604
ENPRO INC COMMON STOCK USD.01	12,001	1,478,322	2,069,572
ENSIGN GROUP INC/THE COMMON STOCK USD.001	35,405	3,968,738	4,703,908
ENSTAR GROUP LTD COMMON STOCK USD1.0	3,779	757,919	1,217,027
ENTEGRIS INC COMMON STOCK USD.01	122,789	8,408,984	12,163,478
ENTERGY CORP COMMON STOCK USD.01	441,740	21,322,737	33,492,727
ENTERPRISE BANCORP INC COMMON STOCK USD.01	14,381	455,381	568,625
ENTERPRISE FINANCIAL SERVICE COMMON STOCK USD.01	64,523	2,858,447	3,639,097
ENTRADA THERAPEUTICS INC COMMON STOCK USD.0001	1,185	17,374	20,489
ENTRAVISION COMMUNICATIONS A COMMON STOCK USD.0001	2,545	11,661	5,981
ENVIRI CORP COMMON STOCK USD1.25	9,556	121,497	73,581
ENVISTA HOLDINGS CORP COMMON STOCK USD.01	86,223	1,859,385	1,663,242
EOG RESOURCES INC COMMON STOCK USD.01	358,173	34,446,729	43,904,846
EPAM SYSTEMS INC COMMON STOCK USD.001	43,618	7,549,301	10,198,761
EPLUS INC COMMON STOCK USD.01	27,851	1,998,582	2,057,632
EPR PROPERTIES REIT USD.01	35,784	2,305,516	1,584,516
EQT CORP COMMON STOCK	342,795	10,850,600	15,806,277
EQUIFAX INC COMMON STOCK USD1.25	69,451	10,801,582	17,699,587
EQUINIX INC REIT USD.001	52,369	25,615,704	49,378,206
EQUITABLE HOLDINGS INC COMMON STOCK USD.01	170,743	4,295,575	8,053,947
EQUITY BANCSHARES INC CL A COMMON STOCK USD.01	764	27,891	32,409
EQUITY LIFESTYLE PROPERTIES REIT USD.01	129,773	7,200,234	8,642,882
EQUITY RESIDENTIAL REIT USD.01	182,353	11,928,945	13,085,651
ERASCA INC COMMON STOCK USD.0001	9,276	50,369	23,283
ESAB CORP COMMON STOCK USD.001	27,619	1,351,058	3,312,623
ESC EMPIRE RESORTS INC COMMON STOCK	1,390	-	-
ESC GCI LIBERTY INC SR COMMON STOCK	60,199	-	-
ESC WAR IND	598	574	885
ESCALADE INC COMMON STOCK	686	11,223	9,796
ESCO TECHNOLOGIES INC COMMON STOCK USD.01	22,688	2,652,457	3,022,268
ESPERION THERAPEUTICS INC COMMON STOCK USD.001	9,467	21,092	20,827
ESQUIRE FINANCIAL HOLDINGS I COMMON STOCK USD.01	317	12,987	25,202
ESSA BANCORP INC COMMON STOCK USD.01	227	3,587	4,427
ESSENT GROUP LTD COMMON STOCK USD.015	40,461	1,766,476	2,202,697
ESSENTIAL PROPERTIES REALTY REIT USD.01	7,973	175,910	249,395
ESSENTIAL UTILITIES INC COMMON STOCK USD.5	123,894	4,584,159	4,499,830
ESSEX PROPERTY TRUST INC REIT USD.0001	47,562	12,589,585	13,576,097

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ESTEE LAUDER COMPANIES CL A COMMON STOCK USD.01	133,264	18,111,116	9,992,135
ETHAN ALLEN INTERIORS INC COMMON STOCK USD.01	887	19,350	24,934
ETSY INC COMMON STOCK USD.001	107,828	7,069,587	5,703,023
EURONET WORLDWIDE INC COMMON STOCK USD.02	95,536	9,752,983	9,824,922
EUROPEAN WAX CENTER INC A COMMON STOCK USD.00001	1,625	36,377	10,839
EVE HOLDING INC COMMON STOCK USD.0001	1,337	7,494	7,273
EVENTBRITE INC CLASS A COMMON STOCK USD.00001	300,948	2,503,038	1,011,185
EVERCOMMERCE INC COMMON STOCK USD.00001	2,615	29,744	28,791
EVERCORE INC A COMMON STOCK USD.01	23,035	2,913,070	6,385,072
EVEREST GROUP LTD COMMON STOCK USD.01	39,376	8,851,383	14,272,225
EVERGY INC COMMON STOCK	107,264	5,913,065	6,602,099
EVERI HOLDINGS INC COMMON STOCK USD.001	220,211	2,949,152	2,975,051
EVERQUOTE INC CLASS A COMMON STOCK USD.001	1,117	31,165	22,329
EVERSOURCE ENERGY COMMON STOCK USD5.0	170,610	11,062,668	9,798,132
EVERSPIN TECHNOLOGIES INC COMMON STOCK USD.0001	505	3,029	3,227
EVERTEC INC COMMON STOCK USD.01	3,032	99,582	104,695
EVERUS CONSTRUCTION GROUP COMMON STOCK	33,353	1,234,290	2,192,960
EVGO INC COMMON STOCK USD.0001	4,593	30,747	18,602
EVI INDUSTRIES INC COMMON STOCK USD.025	150	3,415	2,453
EVOLENT HEALTH INC A COMMON STOCK USD.01	5,098	121,134	57,353
EVOLUS INC COMMON STOCK USD.00001	112,083	957,644	1,237,396
EVOLUTION PETROLEUM CORP COMMON STOCK USD.001	2,842	20,463	14,864
EVOLV TECHNOLOGIES HOLDINGS COMMON STOCK USD.0001	6,165	21,640	24,352
EW SCRIPPS CO/THE A COMMON STOCK USD.01	2,671	30,547	5,903
EXACT SCIENCES CORP COMMON STOCK USD.01	212,367	11,924,179	11,932,902
EXCELERATE ENERGY INC A COMMON STOCK USD.001	26,941	642,347	814,965
EXELIXIS INC COMMON STOCK USD.001	198,371	4,344,300	6,605,754
EXELON CORP COMMON STOCK	631,270	20,172,848	23,761,003
EXLSERVICE HOLDINGS INC COMMON STOCK USD.001	53,282	1,782,352	2,364,655
EXP WORLD HOLDINGS INC COMMON STOCK USD.00001	4,012	70,554	46,178
EXPEDIA GROUP INC COMMON STOCK USD.001	91,453	11,798,128	17,040,437
EXPEDITORS INTL WASH INC COMMON STOCK USD.01	115,578	10,181,104	12,802,575
EXPONENT INC COMMON STOCK USD.001	2,279	124,426	203,059
EXPRO GROUP HOLDINGS NV COMMON STOCK EUR.01	42,576	1,158,127	530,923
EXTRA SPACE STORAGE INC REIT USD.01	99,958	9,354,948	14,953,717
EXTREME NETWORKS INC COMMON STOCK USD.001	5,787	52,495	96,874
EXXON MOBIL CORP COMMON STOCK	2,561,596	208,600,723	275,550,882
EYEPOINT PHARMACEUTICALS INC COMMON STOCK USD.01	2,476	31,032	18,446
F+G ANNUITIES + LIFE INC COMMON STOCK	5,013	210,275	207,739
F5 INC COMMON STOCK	84,914	12,891,174	21,353,324
FABRINET COMMON STOCK USD.01	38,601	6,632,811	8,487,588
FACTSET RESEARCH SYSTEMS INC COMMON STOCK USD.01	18,092	4,087,594	8,689,226
FAIR ISAAC CORP COMMON STOCK USD.01	15,006	6,707,281	29,875,896
FARMERS + MERCHANTS BANCO/OH COMMON STOCK	637	20,471	18,760
FARMERS NATL BANC CORP COMMON STOCK	1,731	25,410	24,615
FARMLAND PARTNERS INC REIT USD.01	2,265	24,025	26,636
FARO TECHNOLOGIES INC COMMON STOCK USD.001	965	33,628	24,472
FASTENAL CO COMMON STOCK USD.01	274,305	8,010,354	19,725,273
FASTLY INC CLASS A COMMON STOCK USD.00002	5,844	203,338	55,167
FATE THERAPEUTICS INC COMMON STOCK USD.001	4,651	107,664	7,674
FB FINANCIAL CORP COMMON STOCK USD1.0	77,012	2,697,294	3,966,888
FEDERAL AGRIC MTG CORP CL C COMMON STOCK USD1.0	14,070	1,174,247	2,771,087
FEDERAL REALTY INVS TRUST REIT USD.01	40,703	5,068,813	4,556,701
FEDERAL SIGNAL CORP COMMON STOCK USD1.0	11,073	603,407	1,023,034
FEDEX CORP COMMON STOCK USD.1	140,331	28,855,113	39,479,320
FENNEC PHARMACEUTICALS INC COMMON STOCK	605	4,961	3,824
FERGUSON ENTERPRISES INC COMMON STOCK USD.0001	147,308	24,416,213	25,568,250
FERROGLOBE REP + WRNTY INS TRU NON TRANSFERABLE BENE INT UNIT	27,934	-	0
FIBROBIOLOGICS INC COMMON STOCK USD.00001	669	3,309	1,338
FIDELIS INSURANCE HOLDINGS L COMMON STOCK USD.01	113,026	1,915,975	2,049,161
FIDELITY D+D BANCORP INC COMMON STOCK	287	14,065	14,006

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FIDELITY NATIONAL FINANCIAL COMMON STOCK USD.0001	134,680	4,524,653	7,560,935
FIDELITY NATIONAL INFO SERV COMMON STOCK USD.01	498,873	41,389,684	40,293,972
FIFTH THIRD BANCORP COMMON STOCK	590,166	16,604,768	24,952,218
FIGS INC CLASS A COMMON STOCK USD.0001	5,743	81,127	35,549
FINANCIAL INSTITUTIONS INC COMMON STOCK USD.01	33,890	731,266	924,858
FIRST ADVANTAGE CORP COMMON STOCK USD.001	3,037	57,025	56,883
FIRST AMERICAN FINANCIAL COMMON STOCK USD.00001	49,946	2,124,608	3,118,628
FIRST BANCORP INC/ME COMMON STOCK USD.01	467	12,391	12,772
FIRST BANCORP PUERTO RICO COMMON STOCK USD.1	66,520	1,022,569	1,236,607
FIRST BANCORP/NC COMMON STOCK	51,759	1,585,537	2,275,843
FIRST BANCSHARES INC/MS COMMON STOCK USD1.0	1,323	39,596	46,305
FIRST BANK/HAMILTON NJ COMMON STOCK USD.01	6,808	101,192	95,789
FIRST BUSEY CORP COMMON STOCK USD.001	97,185	2,553,949	2,290,650
FIRST BUSINESS FINANCIAL SER COMMON STOCK USD.01	5,540	184,614	256,447
FIRST CITIZENS BCSHS CL A COMMON STOCK USD1.0	6,292	5,260,031	13,295,122
FIRST COMMONWEALTH FINL CORP COMMON STOCK USD1.0	4,570	52,255	77,324
FIRST COMMUNITY BANKSHARES COMMON STOCK USD1.0	770	20,631	32,063
FIRST FINANCIAL BANCORP COMMON STOCK	20,699	482,044	556,389
FIRST FINANCIAL CORP/INDIANA COMMON STOCK	25,375	1,088,082	1,172,071
FIRST FINANCIAL NORTHWEST COMMON STOCK USD.01	195	4,122	4,232
FIRST FINL BANKSHARES INC COMMON STOCK USD.01	32,533	853,368	1,172,815
FIRST FOUNDATION INC COMMON STOCK USD.001	2,610	46,488	16,208
FIRST HAWAIIAN INC COMMON STOCK USD.01	332,933	7,269,126	8,639,611
FIRST HORIZON CORP COMMON STOCK USD.625	425,225	6,176,885	8,564,032
FIRST INDUSTRIAL REALTY TR REIT USD.01	169,402	8,497,208	8,492,122
FIRST INTERNET BANCORP COMMON STOCK	499	15,585	17,959
FIRST INTERSTATE BANCSYS A COMMON STOCK	76,492	2,690,691	2,483,695
FIRST MERCHANTS CORP COMMON STOCK	100,163	3,624,825	3,995,502
FIRST MID BANCSHARES INC COMMON STOCK USD4.0	11,674	441,039	429,837
FIRST OF LONG ISLAND CORP COMMON STOCK USD.1	6,896	90,732	80,545
FIRST SOLAR INC COMMON STOCK USD.001	50,766	2,776,712	8,947,000
FIRST WATCH RESTAURANT GROUP COMMON STOCK USD.01	76,552	1,223,351	1,424,633
FIRST WESTERN FINANCIAL INC COMMON STOCK	283	7,692	5,533
FIRSTCASH HOLDINGS INC COMMON STOCK USD.01	10,450	887,381	1,082,620
FIRSTENERGY CORP COMMON STOCK USD.1	273,222	10,104,429	10,868,771
FISCALNOTE HOLDINGS INC COMMON STOCK USD.0001	1,675	4,622	1,792
FISERV INC COMMON STOCK USD.01	312,657	26,755,429	64,226,001
FIVE BELOW COMMON STOCK USD.01	35,991	4,123,254	3,777,615
FIVE STAR BANCORP COMMON STOCK	931	25,787	28,014
FIVE9 INC COMMON STOCK USD.001	39,302	4,202,022	1,597,233
FLAGSTAR FINANCIAL INC COMMON STOCK USD.01	12,017	212,696	112,119
FLEX LNG LTD COMMON STOCK USD.1	1,340	37,419	30,740
FLEXSTEEL INDS COMMON STOCK USD1.0	125	3,884	6,793
FLOOR + DECOR HOLDINGS INC A COMMON STOCK USD.001	49,223	2,790,478	4,907,533
FLOWERS FOODS INC COMMON STOCK USD.01	92,941	1,761,054	1,920,161
FLOWSERVE CORP COMMON STOCK USD1.25	163,582	7,889,493	9,409,237
FLUENCE ENERGY INC COMMON STOCK USD.00001	2,883	56,927	45,782
FLUOR CORP COMMON STOCK USD.01	166,645	6,263,182	8,218,931
FLUSHING FINANCIAL CORP COMMON STOCK USD.01	1,089	18,545	15,551
FLYWIRE CORP VOTING COMMON STOCK USD.0001	5,384	161,107	111,018
FMC CORP COMMON STOCK USD.1	80,339	5,020,103	3,905,279
FNB CORP COMMON STOCK USD.01	186,612	2,382,165	2,758,125
FOGHORN THERAPEUTICS INC COMMON STOCK USD.0001	1,450	19,481	6,844
FOOT LOCKER INC COMMON STOCK USD.01	137,655	3,578,521	2,995,373
FORD MOTOR CO COMMON STOCK USD.01	2,051,549	23,330,060	20,310,335
FORESTAR GROUP INC COMMON STOCK USD1.0	2,456	44,539	63,660
FORGE GLOBAL HOLDINGS INC COMMON STOCK USD.0001	6,674	15,363	6,213
FORMFACTOR INC COMMON STOCK USD.001	38,475	1,580,914	1,692,900
FORRESTER RESEARCH INC COMMON STOCK USD.01	182,345	5,632,778	2,857,346
FORTINET INC COMMON STOCK USD.001	399,892	10,923,958	37,781,796
FORTIVE CORP COMMON STOCK USD.01	215,054	12,941,691	16,129,050

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FORTREA HOLDINGS INC COMMON STOCK USD.001	43,269	987,620	806,967
FORTUNE BRANDS INNOVATIONS I COMMON STOCK USD.01	64,906	3,131,846	4,435,027
FORUM ENERGY TECHNOLOGIES IN COMMON STOCK USD.01	634	14,200	9,821
FORWARD AIR CORP COMMON STOCK USD.01	1,160	77,463	37,410
FOSTER (LB) CO A COMMON STOCK USD.01	245	5,274	6,591
FOUR CORNERS PROPERTY TRUST REIT USD.0001	4,489	109,540	121,831
FOX CORP CLASS A COMMON STOCK USD.01	355,106	13,388,375	17,251,049
FOX CORP CLASS B COMMON STOCK USD.01	66,258	2,547,352	3,030,641
FOX FACTORY HOLDING CORP COMMON STOCK USD.001	39,599	1,611,448	1,198,662
FRACTYL HEALTH INC COMMON STOCK USD.00001	921	2,829	1,897
FRANKLIN BSP REALTY TRUST IN REIT USD.01	3,644	53,314	45,696
FRANKLIN COVEY CO COMMON STOCK USD.05	56,907	1,913,225	2,138,565
FRANKLIN ELECTRIC CO INC COMMON STOCK USD.1	2,035	115,261	198,311
FRANKLIN RESOURCES INC COMMON STOCK USD.1	141,443	4,452,132	2,869,878
FRANKLIN STREET PROPERTIES C REIT USD.0001	2,692	4,140	4,926
FREEPORT MCMORAN INC COMMON STOCK USD.1	858,305	18,900,251	32,684,254
FRESH DEL MONTE PRODUCE INC COMMON STOCK USD.01	32,499	956,530	1,079,292
FRESHPET INC COMMON STOCK USD.001	44,408	5,183,919	6,577,269
FRESHWORKS INC CL A COMMON STOCK USD.00001	9,305	143,573	150,462
FREYR BATTERY INC COMMON STOCK USD.0001	2,989	5,105	7,712
FRONTDOOR INC COMMON STOCK USD.01	3,557	86,592	194,461
FRONTIER COMMUNICATIONS PARE COMMON STOCK USD.25	145,420	3,796,787	5,046,074
FRONTIER GROUP HOLDINGS INC COMMON STOCK USD.001	1,955	28,594	13,900
FRONTVIEW REIT INC REIT USD.01	389	7,094	7,053
FRP HOLDINGS INC COMMON STOCK USD.1	625	15,513	19,144
FS BANCORP INC COMMON STOCK USD.01	444	13,431	18,231
FTAI AVIATION LTD COMMON STOCK USD1.0	103,978	4,171,789	14,976,991
FTAI INFRASTRUCTURE INC COMMON STOCK	226,775	1,574,240	1,646,387
FTI CONSULTING INC COMMON STOCK USD.01	16,601	2,064,498	3,172,949
FUBOTV INC COMMON STOCK	14,228	142,653	17,927
FUELCELL ENERGY INC COMMON STOCK USD.0001	685	94,148	6,192
FULCRUM THERAPEUTICS INC COMMON STOCK USD.001	3,186	19,779	14,974
FULGENT GENETICS INC COMMON STOCK USD.0001	893	51,491	16,494
FULL HOUSE RESORTS INC COMMON STOCK USD.0001	1,634	15,014	6,667
FULTON FINANCIAL CORP COMMON STOCK USD2.5	19,303	317,686	372,162
FUNKO INC CLASS A COMMON STOCK USD.0001	1,649	32,709	22,080
FUTUREFUEL CORP COMMON STOCK USD.0001	9,647	57,585	51,033
FVCBANKCORP INC COMMON STOCK USD.01	591	8,378	7,429
G III APPAREL GROUP LTD COMMON STOCK USD.01	39,981	1,248,344	1,304,180
GALECTIN THERAPEUTICS INC COMMON STOCK USD.001	487	1,105	628
GAMBLING.COM GROUP LTD COMMON STOCK	435	4,088	6,125
GAMESTOP CORP CLASS A COMMON STOCK USD.001	183,364	7,342,074	5,746,628
GAMING AND LEISURE PROPERTIE REIT	135,644	5,069,604	6,532,615
GANNETT CO INC COMMON STOCK USD.01	7,724	70,297	39,083
GAP INC/THE COMMON STOCK USD.05	149,441	3,761,682	3,531,291
GARMIN LTD COMMON STOCK CHF.1	74,717	5,367,242	15,411,128
GARTNER INC COMMON STOCK USD.0005	39,109	6,160,407	18,947,137
GATES INDUSTRIAL CORP PLC COMMON STOCK USD.01	224,586	3,340,815	4,619,734
GATX CORP COMMON STOCK USD.625	17,598	1,266,995	2,726,986
GCM GROSVENOR INC CLASS A COMMON STOCK USD.0001	1,879	18,434	23,055
GCT SEMICONDUCTOR HOLDING IN COMMON STOCK USD.0001	182	950	424
GE HEALTHCARE TECHNOLOGY COMMON STOCK	239,419	11,807,287	18,717,777
GE VERNOVA INC COMMON STOCK USD.01	132,919	5,585,681	43,721,047
GEN DIGITAL INC COMMON STOCK USD.01	334,277	7,853,261	9,152,504
GENCO SHIPPING + TRADING LTD COMMON STOCK USD.01	1,733	23,942	24,158
GENCOR INDUSTRIES INC COMMON STOCK USD.1	274	4,016	4,836
GENEDX HOLDINGS CORP COMMON STOCK USD.0001	642	19,140	49,344
GENERAC HOLDINGS INC COMMON STOCK USD.01	27,876	3,749,705	4,322,174
GENERAL DYNAMICS CORP COMMON STOCK USD1.0	144,758	28,014,017	38,142,285
GENERAL ELECTRIC CO COMMON STOCK USD.01	580,869	28,892,198	96,883,141
GENERAL MILLS INC COMMON STOCK USD.1	306,622	17,341,256	19,553,285

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
GENERAL MOTORS CO COMMON STOCK USD.01	631,701	23,022,493	33,650,712
GENERATION BIO CO COMMON STOCK USD.0001	2,317	52,440	2,456
GENESCO INC COMMON STOCK USD1.0	27,701	729,895	1,184,218
GENIE ENERGY LTD B COMMON STOCK	40,807	656,449	636,181
GENPACT LTD COMMON STOCK USD.01	104,321	3,398,925	4,480,587
GENTEX CORP COMMON STOCK USD.06	204,245	5,020,028	5,867,959
GENTHERM INC COMMON STOCK	1,426	64,014	56,933
GENUINE PARTS CO COMMON STOCK USD1.0	65,924	6,686,003	7,697,286
GENWORTH FINANCIAL INC CL A COMMON STOCK USD.001	19,645	194,182	137,319
GEO GROUP INC/THE COMMON STOCK USD.01	5,963	90,967	166,845
GEOSPACE TECHNOLOGIES CORP COMMON STOCK USD.01	356	3,200	3,567
GERMAN AMERICAN BANCORP COMMON STOCK	1,307	36,364	52,568
GERON CORP COMMON STOCK USD.001	306,926	963,884	1,086,518
GETTY IMAGES HOLDINGS INC COMMON STOCK USD.0001	5,292	18,249	11,431
GETTY REALTY CORP REIT USD.01	2,451	67,890	73,849
GIBRALTAR INDUSTRIES INC COMMON STOCK USD.01	8,598	545,288	506,422
GIGACLOUD TECHNOLOGY INC A COMMON STOCK USD.05	1,062	32,315	19,668
GILEAD SCIENCES INC COMMON STOCK USD.001	838,052	59,353,925	77,410,863
GITLAB INC CL A COMMON STOCK USD.0000025	58,751	2,877,724	3,310,619
GLACIER BANCORP INC COMMON STOCK USD.01	39,702	1,399,766	1,993,834
GLADSTONE COMMERCIAL CORP REIT USD.001	2,018	36,600	32,772
GLADSTONE LAND CORP REIT USD.001	1,382	31,900	14,995
GLAUKOS CORP COMMON STOCK USD.001	16,911	1,945,076	2,535,635
GLOBAL BUSINESS TRAVEL GROUP COMMON STOCK USD.00005	6,171	42,039	57,267
GLOBAL INDEMNITY GROUP LLC A COMMON STOCK NPV	108,328	2,160,577	3,899,808
GLOBAL INDUSTRIAL CO COMMON STOCK USD.01	725	22,788	17,973
GLOBAL MEDICAL REIT INC REIT	2,725	36,201	21,037
GLOBAL NET LEASE INC REIT USD.01	9,276	139,571	67,715
GLOBAL PAYMENTS INC COMMON STOCK	123,580	11,771,281	13,848,375
GLOBAL WATER RESOURCES INC COMMON STOCK USD.01	580	9,769	6,670
GLOBALFOUNDRIES INC COMMON STOCK USD.02	48,823	2,713,358	2,094,995
GLOBALSTAR INC COMMON STOCK USD.0001	34,747	56,253	71,926
GLOBANT SA COMMON STOCK USD1.2	70,013	12,572,580	15,012,187
GLOBE LIFE INC COMMON STOCK USD1.0	60,465	5,166,030	6,743,057
GLOBUS MEDICAL INC A COMMON STOCK USD.001	66,544	3,366,797	5,503,854
GMS INC COMMON STOCK USD.01	50,268	1,849,853	4,264,234
GODADDY INC CLASS A COMMON STOCK USD.001	74,470	4,920,599	14,698,144
GOGO INC COMMON STOCK USD.0001	3,074	44,031	24,869
GOHEALTH INC CLASS A COMMON STOCK	115	1,481	1,540
GOLAR LNG LTD COMMON STOCK USD1.0	4,484	109,091	189,763
GOLDEN ENTERTAINMENT INC COMMON STOCK USD.01	67,991	2,455,067	2,148,516
GOLDEN MATRIX GROUP INC COMMON STOCK USD.001	504	1,249	998
GOLDEN OCEAN GROUP LTD COMMON STOCK USD.05	5,538	61,990	49,620
GOLDMAN SACHS GROUP INC COMMON STOCK USD.01	170,897	40,561,653	97,859,040
GOODYEAR TIRE + RUBBER CO COMMON STOCK	79,806	2,222,760	718,254
GOOSEHEAD INSURANCE INC A COMMON STOCK USD.01	1,031	65,299	110,544
GOPRO INC CLASS A COMMON STOCK USD.0001	5,483	94,771	5,976
GORMAN RUPP CO COMMON STOCK	11,276	444,854	427,586
GRACO INC COMMON STOCK USD1.0	80,468	3,252,959	6,782,648
GRAFTECH INTERNATIONAL LTD COMMON STOCK USD.01	151,919	458,112	262,820
GRAHAM CORP COMMON STOCK USD.1	595	17,289	26,460
GRAHAM HOLDINGS CO CLASS B COMMON STOCK USD1.0	154	87,260	134,276
GRAIL INC COMMON STOCK	13,270	494,033	236,870
GRAND CANYON EDUCATION INC COMMON STOCK USD.01	14,852	1,589,044	2,432,758
GRANITE CONSTRUCTION INC COMMON STOCK USD.01	11,922	534,172	1,045,679
GRANITE POINT MORTGAGE TRUST REIT USD.01	2,514	32,977	7,014
GRANITE RIDGE RESOURCES INC COMMON STOCK	3,826	24,996	24,716
GRAPHIC PACKAGING HOLDING CO COMMON STOCK USD.01	156,142	2,241,498	4,240,817
GRAY TELEVISION INC COMMON STOCK	3,758	55,388	11,838
GREAT LAKES DREDGE + DOCK CO COMMON STOCK USD.0001	2,742	23,723	30,957
GREAT SOUTHERN BANCORP INC COMMON STOCK USD.01	402	20,908	23,999

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
GREEN BRICK PARTNERS INC COMMON STOCK USD.01	1,476	38,389	83,379
GREEN DOT CORP CLASS A COMMON STOCK USD.001	10,951	240,959	116,519
GREEN PLAINS INC COMMON STOCK USD.001	2,546	53,436	24,136
GREENBRIER COMPANIES INC COMMON STOCK	34,691	1,256,744	2,115,804
GREENE COUNTY BANCORP INC COMMON STOCK USD.1	474	15,156	13,139
GREENLIGHT CAPITAL RE LTD A COMMON STOCK USD.01	48,247	704,117	675,458
GREENWICH LIFESCIENCES INC COMMON STOCK USD.001	171	2,953	1,920
GREIF INC CL A COMMON STOCK	14,100	879,792	861,792
GREIF INC CL B COMMON STOCK	232	12,542	15,741
GRID DYNAMICS HOLDINGS INC COMMON STOCK USD.0001	78,137	888,658	1,737,767
GRIFFON CORP COMMON STOCK USD.25	20,434	1,162,200	1,456,331
GRINDR INC COMMON STOCK USD.0001	1,113	6,560	19,856
GROCERY OUTLET HOLDING CORP COMMON STOCK USD.001	48,252	1,703,538	753,214
GROUP 1 AUTOMOTIVE INC COMMON STOCK USD.01	5,538	1,135,791	2,334,156
GROUPON INC COMMON STOCK USD.0001	634	9,705	7,703
GROWGENERATION CORP COMMON STOCK USD.001	3,122	43,163	5,276
GUARANTY BANCSHARES INC COMMON STOCK USD1.0	420	12,167	14,532
GUARDANT HEALTH INC COMMON STOCK USD.00001	5,503	260,482	168,117
GUARDIAN PHRMCY SERVICES A COMMON STOCK USD.01	41,744	598,265	845,733
GUIDEWIRE SOFTWARE INC COMMON STOCK USD.0001	54,510	4,645,376	9,189,296
GULFPORT ENERGY CORP COMMON STOCK USD.0001	30,648	4,296,028	5,645,362
GXO LOGISTICS INC COMMON STOCK USD.01	79,131	2,792,869	3,442,199
GYRE THERAPEUTICS INC COMMON STOCK USD.001	186	2,220	2,251
H.B. FULLER CO. COMMON STOCK USD1.0	23,102	1,733,127	1,558,923
H+E EQUIPMENT SERVICES INC COMMON STOCK USD.01	12,357	682,613	604,999
H+R BLOCK INC COMMON STOCK	65,863	1,637,733	3,480,201
HACKETT GROUP INC/THE COMMON STOCK USD.001	1,312	16,545	40,305
HAEMONETICS CORP/MASS COMMON STOCK USD.01	28,025	2,079,834	2,188,192
HAIN CELESTIAL GROUP INC COMMON STOCK USD.01	4,039	86,670	24,840
HALLIBURTON CO COMMON STOCK USD2.5	1,097,674	36,703,665	29,845,756
HALOZYME THERAPEUTICS INC COMMON STOCK USD.001	5,746	141,912	274,716
HAMILTON BEACH BRAND A COMMON STOCK USD.01	17,231	304,285	289,998
HAMILTON INSURANCE GROU CL B COMMON STOCK USD.01	37,111	555,240	706,222
HAMILTON LANE INC CLASS A COMMON STOCK	16,984	2,053,939	2,514,481
HANCOCK WHITNEY CORP COMMON STOCK USD3.33	32,205	1,474,947	1,762,258
HANESBRANDS INC COMMON STOCK USD.01	15,885	86,992	129,304
HANMI FINANCIAL CORPORATION COMMON STOCK USD.001	1,309	21,896	30,919
HANNON ARMSTRONG SUSTAINABLE REIT USD.01	65,635	2,116,791	1,760,987
HANOVER INSURANCE GROUP INC/ COMMON STOCK USD.01	40,240	4,454,020	6,223,518
HARBORONE BANCORP INC COMMON STOCK USD.01	2,051	22,530	24,263
HARLEY DAVIDSON INC COMMON STOCK USD.01	117,710	5,720,754	3,546,602
HARMONIC INC COMMON STOCK USD.001	5,065	49,139	67,010
HARMONY BIOSCIENCES HOLDINGS COMMON STOCK USD.00001	1,725	61,404	59,357
HARROW INC COMMON STOCK USD.001	1,300	23,889	43,615
HARTFORD FINANCIAL SVCS GRP COMMON STOCK USD.01	213,471	12,908,451	23,353,727
HARVARD BIOSCIENCE INC COMMON STOCK USD.01	2,739	13,060	5,779
HASBRO INC COMMON STOCK USD.5	68,769	6,000,397	3,844,875
HASHICORP INC CL A COMMON STOCK USD.000015	69,044	2,001,576	2,361,995
HAVERTY FURNITURE COMMON STOCK USD1.0	603	17,369	13,423
HAWAIIAN ELECTRIC INDS COMMON STOCK	7,594	108,423	73,890
HAWKINS INC COMMON STOCK USD.01	945	35,612	115,923
HAYWARD HOLDINGS INC COMMON STOCK USD.001	60,099	995,132	918,914
HBT FINANCIAL INC/DE COMMON STOCK USD.01	20,217	435,200	442,752
HCA HEALTHCARE INC COMMON STOCK USD.01	129,823	20,802,842	38,966,373
HCI GROUP INC COMMON STOCK	43,416	3,243,743	5,059,266
HEALTH CATALYST INC COMMON STOCK USD.001	2,796	87,599	19,768
HEALTHCARE REALTY TRUST INC REIT USD.01	204,413	5,383,843	3,464,800
HEALTHCARE SERVICES GROUP COMMON STOCK USD.01	3,631	74,685	42,174
HEALTHEQUITY INC COMMON STOCK USD.0001	48,319	3,093,718	4,636,208
HEALTHPEAK PROPERTIES INC REIT USD1.0	333,129	9,075,527	6,752,525
HEALTHSTREAM INC COMMON STOCK	18,727	415,361	595,519

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
HEARTLAND EXPRESS INC COMMON STOCK USD.01	135,843	2,034,475	1,524,158
HEARTLAND FINANCIAL USA INC COMMON STOCK USD1.0	1,914	83,115	117,338
HECLA MINING CO COMMON STOCK USD.25	27,180	130,045	133,454
HEICO CORP CLASS A COMMON STOCK USD.01	57,191	5,435,363	10,642,101
HEICO CORP COMMON STOCK USD.01	20,919	1,688,915	4,973,283
HEIDRICK + STRUGGLES INTL COMMON STOCK USD.01	24,923	917,491	1,104,338
HELEN OF TROY LTD COMMON STOCK USD.1	22,556	2,099,803	1,349,525
HELIOS TECHNOLOGIES INC COMMON STOCK USD.001	1,472	73,213	65,710
HELIX ENERGY SOLUTIONS GROUP COMMON STOCK	6,548	37,713	61,027
HELMERICH + PAYNE COMMON STOCK USD.1	4,487	146,641	143,674
HENRY SCHEIN INC COMMON STOCK USD.01	62,981	3,966,385	4,358,285
HERBALIFE LTD COMMON STOCK USD.002	42,343	935,735	283,275
HERC HOLDINGS INC COMMON STOCK USD.01	1,274	127,254	241,206
HERITAGE COMMERCE CORP COMMON STOCK	2,785	34,411	26,123
HERITAGE FINANCIAL CORP COMMON STOCK	9,300	215,192	227,850
HERITAGE INSURANCE HOLDINGS COMMON STOCK USD.0001	38,674	445,976	467,955
HERON THERAPEUTICS INC COMMON STOCK USD.01	5,419	88,511	8,291
HERSHEY CO/THE COMMON STOCK USD1.0	69,191	8,804,822	11,717,496
HERTZ GLOBAL HLDGS INC COMMON STOCK USD.01	5,706	54,533	20,884
HESS CORP COMMON STOCK USD1.0	207,330	15,045,443	27,576,963
HEWLETT PACKARD ENTERPRISE COMMON STOCK USD.01	915,732	12,615,939	19,550,878
HEXCEL CORP COMMON STOCK USD.01	39,486	2,065,204	2,475,772
HF FOODS GROUP INC COMMON STOCK	2,034	17,132	6,529
HF SINCLAIR CORP COMMON STOCK	118,128	4,778,673	4,140,386
HIGHPEAK ENERGY INC COMMON STOCK USD.0001	829	13,983	12,186
HIGHWOODS PROPERTIES INC REIT USD.01	83,859	3,353,393	2,564,408
HILLENBRAND INC COMMON STOCK	3,141	117,385	96,680
HILLEVAX INC COMMON STOCK USD.0001	1,319	21,850	2,730
HILLMAN SOLUTIONS CORP COMMON STOCK USD.0001	166,805	1,380,672	1,624,681
HILLTOP HOLDINGS INC COMMON STOCK USD.01	2,243	51,207	64,217
HILTON GRAND VACATIONS INC COMMON STOCK USD.01	3,473	122,090	135,273
HILTON WORLDWIDE HOLDINGS IN COMMON STOCK USD.01	166,693	15,427,431	41,199,842
HIMALAYA SHIPPING LTD COMMON STOCK USD1.0	2,073	12,581	10,075
HIMS + HERS HEALTH INC COMMON STOCK USD.0001	81,485	1,466,433	1,970,307
HINGHAM INSTITUTION FOR SVGS COMMON STOCK USD1.0	78	17,957	19,823
HIPPO HOLDINGS INC COMMON STOCK USD.0001	935	20,088	25,030
HIREQUEST INC COMMON STOCK USD.001	105	2,738	1,487
HNI CORP COMMON STOCK USD1.0	16,127	743,880	812,317
HOLLEY INC COMMON STOCK USD.0001	2,396	22,423	7,236
HOLOGIC INC COMMON STOCK USD.01	128,222	5,615,979	9,243,524
HOME BANCORP INC COMMON STOCK USD.01	11,491	473,911	530,999
HOME BANCSHARES INC COMMON STOCK USD.01	99,117	2,100,513	2,805,011
HOME DEPOT INC COMMON STOCK USD.05	559,437	116,740,831	217,615,399
HOMESTREET INC COMMON STOCK	956	23,136	10,918
HOMETRUST BANCSHARES INC COMMON STOCK	7,480	211,697	251,926
HONEST CO INC/THE COMMON STOCK USD.001	4,718	16,246	32,696
HONEYWELL INTERNATIONAL INC COMMON STOCK USD1.0	378,447	51,313,940	85,487,393
HOOKER FURNISHINGS CORP COMMON STOCK	628	12,485	8,798
HOPE BANCORP INC COMMON STOCK USD.001	34,810	430,942	427,815
HORACE MANN EDUCATORS COMMON STOCK USD.001	54,996	2,119,580	2,157,493
HORIZON BANCORP INC/IN COMMON STOCK	2,087	34,136	33,622
HORMEL FOODS CORP COMMON STOCK USD.01465	143,009	5,621,545	4,486,192
HOST HOTELS + RESORTS INC REIT USD.01	531,890	9,360,151	9,318,713
HOULIHAN LOKEY INC COMMON STOCK USD.001	24,507	2,255,279	4,255,886
HOVNIANIAN ENTERPRISES A COMMON STOCK USD.01	258	26,030	34,526
HOWARD HUGHES HOLDINGS INC COMMON STOCK	17,881	1,758,614	1,375,407
HOWMET AEROSPACE INC COMMON STOCK	310,686	11,188,502	33,979,728
HP INC COMMON STOCK USD.01	560,206	11,695,461	18,279,522
HUB GROUP INC CL A COMMON STOCK USD.01	2,832	74,675	126,194
HUBBELL INC COMMON STOCK USD.01	25,955	3,347,031	10,872,290
HUBSPOT INC COMMON STOCK USD.001	29,181	9,318,785	20,332,445

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
HUDSON GLOBAL INC COMMON STOCK USD.001	50,000	4,697,834	652,500
HUDSON PACIFIC PROPERTIES IN REIT USD.01	6,162	85,621	18,671
HUDSON TECHNOLOGIES INC COMMON STOCK USD.01	2,666	23,135	14,876
HUMACYTE INC COMMON STOCK USD.0001	4,468	15,670	22,563
HUMANA INC COMMON STOCK USD.1666666	66,016	18,857,075	16,748,919
HUNT (JB) TRANSPRT SVCS INC COMMON STOCK USD.01	87,158	10,452,501	14,874,384
HUNTINGTON BANCSHARES INC COMMON STOCK USD.01	690,204	8,732,878	11,229,619
HUNTINGTON INGALLS INDUSTRIE COMMON STOCK USD.01	23,962	4,643,607	4,528,099
HUNTSMAN CORP COMMON STOCK USD.01	322,127	7,408,672	5,807,950
HURON CONSULTING GROUP INC COMMON STOCK USD.01	8,780	909,790	1,091,003
HUT 8 CORP COMMON STOCK USD.01	3,663	54,743	75,055
HYATT HOTELS CORP CL A COMMON STOCK USD.01	19,716	1,459,877	3,095,018
HYLIION HOLDINGS CORP COMMON STOCK USD.0001	6,553	58,803	17,103
HYSTER YALE MATERIALS COMMON STOCK USD.01	14,809	964,902	754,222
I 80 GOLD CORP COMMON STOCK	11,900	22,103	5,772
I3 VERTICALS INC CLASS A COMMON STOCK USD.0001	34,194	937,639	787,830
IAC INC COMMON STOCK USD.0001	38,239	1,635,507	1,649,630
IBEX LTD COMMON STOCK USD.0001	28,562	553,082	613,797
IBOTTA INC CL A COMMON STOCK USD.00001	38,456	2,705,279	2,502,716
ICF INTERNATIONAL INC COMMON STOCK USD.001	845	57,047	100,732
ICHR HOLDINGS LTD COMMON STOCK USD.0001	2,891	88,235	93,148
ICON PLC COMMON STOCK EUR.06	34,912	6,965,087	7,321,396
ICU MEDICAL INC COMMON STOCK USD.1	5,800	924,289	899,986
IDACORP INC COMMON STOCK	59,189	6,008,721	6,468,174
IDEAYA BIOSCIENCES INC COMMON STOCK	3,920	96,150	100,744
IDEX CORP COMMON STOCK USD.01	36,882	4,553,434	7,719,034
IDEXX LABORATORIES INC COMMON STOCK USD.1	60,084	18,101,518	24,841,129
IDT CORP CLASS B COMMON STOCK USD.01	687	18,770	32,646
IES HOLDINGS INC COMMON STOCK USD.01	375	12,989	75,360
IGM BIOSCIENCES INC COMMON STOCK USD.01	626	21,774	3,825
IHEARTMEDIA INC CLASS A COMMON STOCK	4,564	64,182	9,037
ILLINOIS TOOL WORKS COMMON STOCK USD.01	148,784	21,183,085	37,725,671
ILLUMINA INC COMMON STOCK USD.01	137,662	27,243,281	18,395,773
IMAX CORP COMMON STOCK	104,146	1,695,155	2,666,138
IMMERSION CORPORATION COMMON STOCK USD.001	1,167	7,862	10,188
IMMUNITYBIO INC COMMON STOCK USD.0001	6,634	53,485	16,983
IMMUNOME INC COMMON STOCK USD.0001	2,322	28,115	24,660
IMMUNOVANT INC COMMON STOCK USD.0001	40,473	1,238,893	1,002,516
IMPINJ INC COMMON STOCK USD.001	1,083	70,835	157,317
INARI MEDICAL INC COMMON STOCK USD.001	2,440	187,824	124,562
INCYTE CORP COMMON STOCK USD.001	115,939	9,195,550	8,007,907
INDEPENDENCE REALTY TRUST IN REIT USD.01	222,486	3,482,731	4,414,122
INDEPENDENT BANK CORP MICH COMMON STOCK USD1.0	20,434	356,339	711,716
INDEPENDENT BANK CORP/MA COMMON STOCK USD.01	1,930	119,094	123,887
INDEPENDENT BANK GROUP INC COMMON STOCK USD.01	1,639	97,399	99,438
INDIE SEMICONDUCTOR INC A COMMON STOCK USD.0001	7,009	50,453	28,386
INDUSTRIAL LOGISTICS PROPERT REIT USD.01	3,676	15,776	13,417
INFINERA CORP COMMON STOCK USD.001	8,925	68,584	58,637
INFORMATICA INC CLASS A COMMON STOCK USD.01	95,483	2,594,356	2,475,874
INFORMATION SERVICES GROUP COMMON STOCK USD.0001	1,922	9,391	6,419
INFUSYSTEM HOLDINGS INC COMMON STOCK USD.0001	501	4,876	4,233
INGERSOLL RAND INC COMMON STOCK USD.01	241,911	8,508,671	21,883,269
INGEVITY CORP COMMON STOCK USD.01	72,528	5,572,487	2,955,516
INGLES MARKETS INC CLASS A COMMON STOCK USD.05	14,648	941,929	943,917
INGRAM MICRO HOLDING CORP COMMON STOCK USD.01	12,796	254,487	248,114
INGREDION INC COMMON STOCK USD.01	66,696	7,950,868	9,174,702
INHIBRX BIOSCIENCES INC COMMON STOCK	15,413	213,105	237,360
INMODE LTD COMMON STOCK ILS.01	88,536	2,131,227	1,478,551
INMUNE BIO INC COMMON STOCK USD.001	327	2,887	1,527
INNODATA INC COMMON STOCK USD.01	21,029	828,118	831,066
INNOSPEC INC COMMON STOCK USD.01	1,131	73,929	124,478

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
INNOVAGE HOLDING CORP COMMON STOCK USD.001	939	14,515	3,690
INNOVATIVE INDUSTRIAL PROPER REIT USD.001	13,264	1,072,276	883,913
INNOVEX INTERNATIONAL INC COMMON STOCK USD.01	1,544	46,981	21,570
INNOVID CORP COMMON STOCK USD.0001	2,884	5,358	8,912
INNOVIVA INC COMMON STOCK USD.01	2,624	42,122	45,526
INOGEN INC COMMON STOCK USD.001	1,102	68,139	10,105
INOVIO PHARMACEUTICALS INC COMMON STOCK USD.001	1,574	14,728	2,880
INOZYME PHARMA INC COMMON STOCK USD.0001	2,947	16,052	8,163
INSIGHT ENTERPRISES INC COMMON STOCK USD.01	13,091	1,141,915	1,991,141
INSMED INC COMMON STOCK USD.01	88,035	2,806,171	6,077,936
INSPERITY INC COMMON STOCK USD.01	1,621	129,644	125,644
INSPIRE MEDICAL SYSTEMS INC COMMON STOCK USD.001	17,739	5,271,376	3,288,456
INSPIRED ENTERTAINMENT INC COMMON STOCK USD.0001	1,001	10,459	9,059
INSTALLED BUILDING PRODUCTS COMMON STOCK USD.01	13,638	2,845,036	2,390,060
INSTEEL INDUSTRIES INC COMMON STOCK	955	22,458	25,795
INSULET CORP COMMON STOCK USD.001	36,238	5,238,072	9,460,655
INTAPP INC COMMON STOCK USD.001	37,513	1,408,384	2,404,208
INTEGER HOLDINGS CORP COMMON STOCK USD.001	9,282	976,868	1,230,051
INTEGRA LIFESCIENCES HOLDING COMMON STOCK USD.01	3,146	93,992	71,351
INTEGRAL AD SCIENCE HOLDING COMMON STOCK USD.001	2,957	45,246	30,871
INTEL CORP COMMON STOCK USD.001	2,494,950	94,349,998	50,023,748
INTELLIA THERAPEUTICS INC COMMON STOCK USD.0001	38,430	1,178,698	448,094
INTER PARFUMS INC COMMON STOCK USD.001	18,365	2,138,295	2,415,181
INTERACTIVE BROKERS GRO CL A COMMON STOCK USD.01	89,125	8,010,576	15,745,714
INTERCONTINENTAL EXCHANGE IN COMMON STOCK USD.01	464,093	49,115,950	69,154,498
INTERDIGITAL INC COMMON STOCK USD.01	1,154	63,039	223,553
INTERFACE INC COMMON STOCK USD.1	46,616	1,160,594	1,135,100
INTERNATIONAL BANCSHARES CRP COMMON STOCK USD1.0	2,457	84,548	155,184
INTERNATIONAL GAME TECHNOLOG COMMON STOCK USD.1	108,754	2,391,367	1,920,596
INTERNATIONAL MONEY EXPRESS COMMON STOCK	140,165	2,653,959	2,919,637
INTERNATIONAL PAPER CO COMMON STOCK USD1.0	166,958	7,070,293	8,985,680
INTERNATIONAL SEAWAYS INC COMMON STOCK	17,707	896,493	636,390
INTERPUBLIC GROUP OF COS INC COMMON STOCK USD.1	178,789	4,371,063	5,009,668
INTL BUSINESS MACHINES CORP COMMON STOCK USD.2	450,723	62,120,356	99,082,437
INTL FLAVORS + FRAGRANCES COMMON STOCK USD.125	133,981	16,088,295	11,328,094
INTRA CELLULAR THERAPIES INC COMMON STOCK USD.0001	73,102	5,080,616	6,105,479
INTREPID POTASH INC COMMON STOCK USD.001	597	22,327	13,086
INTUIT INC COMMON STOCK USD.01	156,732	42,045,876	98,506,062
INTUITIVE MACHINES INC COMMON STOCK USD.0001	1,631	14,442	29,619
INTUITIVE SURGICAL INC COMMON STOCK USD.001	208,025	35,139,194	108,580,729
INVENTRUST PROPERTIES CORP REIT	12,037	341,623	362,675
INVESCO LTD COMMON STOCK USD.2	816,388	14,160,025	14,270,462
INVESCO MORTGAGE CAPITAL REIT USD.01	2,023	125,481	16,285
INVESTAR HOLDING CORP COMMON STOCK USD1.0	253	3,898	5,556
INVESTORS TITLE CO COMMON STOCK	59	9,876	13,969
INVITATION HOMES INC REIT USD.01	339,036	9,753,276	10,838,981
INVIVYD INC COMMON STOCK USD.0001	2,139	2,370	948
IONIS PHARMACEUTICALS INC COMMON STOCK USD.001	146,229	5,767,633	5,112,166
IONQ INC COMMON STOCK USD.0001	9,156	64,219	382,446
IOVANCE BIOTHERAPEUTICS INC COMMON STOCK USD.000041666	531,690	6,103,932	3,934,506
IPG PHOTONICS CORP COMMON STOCK USD.0001	14,155	1,701,824	1,029,352
IQVIA HOLDINGS INC COMMON STOCK USD.01	90,325	11,551,528	17,749,766
IRADIMED CORP COMMON STOCK USD.0001	448	16,902	24,640
IRHYTHM TECHNOLOGIES INC COMMON STOCK USD.001	18,722	1,858,578	1,688,163
IRIDIUM COMMUNICATIONS INC COMMON STOCK USD.001	59,228	3,551,362	1,718,797
IROBOT CORP COMMON STOCK USD.01	1,260	62,450	9,765
IRON MOUNTAIN INC REIT USD.01	139,861	5,054,089	14,700,790
IRONWOOD PHARMACEUTICALS INC COMMON STOCK USD.001	6,240	72,980	27,643
ISHARES RUSSELL 2000 GROWTH ET ISHARES RUSSELL 2000 GROWTH	11,899	3,621,171	3,424,770
ISPIRE TECHNOLOGY INC COMMON STOCK	563	5,400	2,832
ITEOS THERAPEUTICS INC COMMON STOCK USD.001	1,154	32,984	8,863

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ITRON INC COMMON STOCK	2,033	125,178	220,743
ITT INC COMMON STOCK USD1.0	39,008	1,864,072	5,573,463
IVANHOE ELECTRIC INC / US COMMON STOCK USD.0001	3,545	40,907	26,765
J + J SNACK FOODS CORP COMMON STOCK	694	80,610	107,660
J. JILL INC COMMON STOCK USD.01	17,166	476,938	474,125
JABIL INC COMMON STOCK USD.001	78,599	3,575,553	11,310,396
JACK HENRY + ASSOCIATES INC COMMON STOCK USD.01	37,376	4,758,335	6,552,013
JACK IN THE BOX INC COMMON STOCK USD.01	905	59,668	37,684
JACKSON FINANCIAL INC A COMMON STOCK USD.01	20,642	1,108,829	1,797,505
JACOBS SOLUTIONS INC COMMON STOCK	112,188	9,645,281	14,990,561
JAKKS PACIFIC INC COMMON STOCK USD.001	510	12,080	14,357
JAMES RIVER GROUP HOLDINGS L COMMON STOCK USD.0002	1,593	48,962	7,758
JAMF HOLDING CORP COMMON STOCK	111,063	2,041,253	1,560,435
JANUS HENDERSON GROUP PLC COMMON STOCK USD1.5	70,860	2,734,723	3,013,676
JANUS INTERNATIONAL GROUP IN COMMON STOCK USD.0001	6,396	68,369	47,011
JANUX THERAPEUTICS INC COMMON STOCK USD.001	12,861	766,701	688,578
JASPER THERAPEUTICS INC COMMON STOCK	735	17,192	15,714
JAZZ PHARMACEUTICALS PLC COMMON STOCK USD.0001	52,858	8,013,789	6,509,463
JBG SMITH PROPERTIES REIT USD.01	3,858	78,934	59,297
JEFFERIES FINANCIAL GROUP IN COMMON STOCK USD1.0	86,061	2,027,986	6,747,182
JELD WEN HOLDING INC COMMON STOCK USD.01	46,573	761,646	381,433
JETBLUE AIRWAYS CORP COMMON STOCK USD.01	14,189	147,573	111,526
JM SMUCKER CO/THE COMMON STOCK	69,761	8,310,314	7,682,081
JOBY AVIATION INC COMMON STOCK USD.0001	255,187	1,079,699	2,074,670
JOHN B. SANFILIPPO + SON INC COMMON STOCK USD.01	379	25,830	33,015
JOHN BEAN TECHNOLOGIES CORP COMMON STOCK USD.01	20,200	1,938,715	2,567,420
JOHN MARSHALL BANCORP INC COMMON STOCK	503	11,845	10,100
JOHNSON + JOHNSON COMMON STOCK USD1.0	1,270,188	169,366,217	183,694,589
JOHNSON CONTROLS INTERNATION COMMON STOCK USD.01	453,044	22,361,317	35,758,763
JOHNSON OUTDOORS INC A COMMON STOCK USD.05	184	12,627	6,072
JOINT CORP/THE COMMON STOCK USD.001	617	28,750	6,559
JONES LANG LASALLE INC COMMON STOCK USD.01	53,480	8,715,412	13,537,927
JPMORGAN CHASE + CO COMMON STOCK USD1.0	1,535,621	155,179,641	368,103,710
JUNIPER NETWORKS INC COMMON STOCK USD.00001	182,786	5,170,817	6,845,336
KADANT INC COMMON STOCK USD.01	3,007	559,411	1,037,385
KAISER ALUMINUM CORP COMMON STOCK USD.01	718	62,493	50,454
KALTURA INC COMMON STOCK USD.0001	2,510	4,321	5,522
KALVISTA PHARMACEUTICALS INC COMMON STOCK USD.001	1,532	22,425	12,976
KARAT PACKAGING INC COMMON STOCK USD.001	189	4,245	5,719
KB HOME COMMON STOCK USD1.0	22,195	1,274,447	1,458,655
KBR INC COMMON STOCK USD.001	88,393	4,358,636	5,120,606
KEARNY FINANCIAL CORP/MD COMMON STOCK USD.01	2,517	29,721	17,820
KELLANOVA COMMON STOCK USD.25	125,320	8,212,878	10,147,160
KELLY SERVICES INC A COMMON STOCK USD1.0	14,695	310,962	204,848
KEMPER CORP COMMON STOCK USD.1	56,434	3,799,608	3,749,475
KENNAMETAL INC COMMON STOCK USD1.25	4,695	142,539	112,774
KENNEDY WILSON HOLDINGS INC COMMON STOCK USD.0001	5,168	100,850	51,628
KENVUE INC COMMON STOCK	1,148,165	20,890,557	24,513,323
KEROS THERAPEUTICS INC COMMON STOCK USD.0001	1,332	74,036	21,086
KEURIG DR PEPPER INC COMMON STOCK USD.01	1,004,883	34,835,096	32,276,842
KEYCORP COMMON STOCK USD1.0	438,570	7,296,754	7,517,090
KEYSIGHT TECHNOLOGIES IN COMMON STOCK	98,026	7,583,387	15,745,916
KFORCE INC COMMON STOCK USD.01	859	31,668	48,705
KILROY REALTY CORP REIT USD.01	59,112	4,048,939	2,391,080
KIMBALL ELECTRONICS INC COMMON STOCK	35,238	669,519	660,008
KIMBERLY CLARK CORP COMMON STOCK USD1.25	162,200	18,930,217	21,254,688
KIMCO REALTY CORP REIT USD.01	315,098	6,562,931	7,382,746
KINDER MORGAN INC COMMON STOCK USD.01	926,559	17,684,853	25,387,717
KINDERCARE LEARNING COS INC COMMON STOCK USD.01	45,101	1,073,570	802,798
KINETIK HOLDINGS INC COMMON STOCK USD.0001	11,016	366,835	624,717
KINGSWAY FINANCIAL SERVICES COMMON STOCK	337	2,815	2,821

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
KINSALE CAPITAL GROUP INC COMMON STOCK USD.01	10,495	3,687,084	4,881,539
KIRBY CORP COMMON STOCK USD.1	65,008	4,554,588	6,877,846
KITE REALTY GROUP TRUST REIT USD.01	88,824	2,234,226	2,241,918
KKR + CO INC COMMON STOCK USD.01	377,916	16,847,704	55,897,556
KKR REAL ESTATE FINANCE TRUS REIT USD.01	2,571	47,375	25,967
KLA CORP COMMON STOCK USD.001	71,565	13,808,324	45,094,538
KNIFE RIVER CORP COMMON STOCK USD.01	39,569	2,607,240	4,021,793
KNIGHT SWIFT TRANSPORTATION COMMON STOCK USD.01	105,101	4,522,782	5,574,557
KNOWLES CORP COMMON STOCK USD.01	98,609	1,691,057	1,965,277
KODIAK GAS SERVICES INC COMMON STOCK USD.01	59,639	1,668,883	2,435,060
KODIAK SCIENCES INC COMMON STOCK USD.0001	1,749	98,691	17,403
KOHL'S CORP COMMON STOCK USD.01	83,194	4,387,851	1,168,044
KONTOOR BRANDS INC COMMON STOCK	2,485	87,288	212,244
KOPPERS HOLDINGS INC COMMON STOCK USD.01	9,749	399,780	315,868
KORN FERRY COMMON STOCK USD.01	45,428	2,651,765	3,064,119
KORRO BIO INC COMMON STOCK USD.001	367	15,055	13,972
KOSMOS ENERGY LTD COMMON STOCK USD.01	1,031,986	5,088,404	3,529,392
KRAFT HEINZ CO/THE COMMON STOCK USD.01	518,369	26,772,689	15,919,112
KRATOS DEFENSE + SECURITY COMMON STOCK USD.001	130,263	2,066,669	3,436,338
KRISPY KREME INC COMMON STOCK USD.01	54,040	634,735	536,617
KROGER CO COMMON STOCK USD1.0	434,402	13,643,339	26,563,682
KRONOS WORLDWIDE INC COMMON STOCK USD.01	1,245	24,472	12,139
KRYSTAL BIOTECH INC COMMON STOCK USD.00001	18,056	987,738	2,828,653
KULICKE + SOFFA INDUSTRIES COMMON STOCK	2,476	142,665	115,530
KURA ONCOLOGY INC COMMON STOCK USD.0001	3,153	51,146	27,463
KURA SUSHI USA INC CLASS A COMMON STOCK USD.001	295	19,110	26,721
KYMERA THERAPEUTICS INC COMMON STOCK	23,104	751,883	929,474
KYNDRYL HOLDINGS INC COMMON STOCK USD.01	129,494	3,245,414	4,480,492
KYVERNA THERAPEUTICS INC COMMON STOCK USD.00001	700	4,381	2,618
L3HARRIS TECHNOLOGIES INC COMMON STOCK USD1.0	91,167	13,145,357	19,170,597
LA Z BOY INC COMMON STOCK USD1.0	31,614	1,202,535	1,377,422
LABCORP HOLDINGS INC COMMON STOCK USD.1	39,850	5,590,713	9,138,402
LADDER CAPITAL CORP REIT REIT USD.001	134,616	1,436,996	1,506,353
LAKELAND FINANCIAL CORP COMMON STOCK	1,115	53,700	76,667
LAM RESEARCH CORP COMMON STOCK USD.001	923,271	32,680,229	66,687,864
LAMAR ADVERTISING CO A REIT USD.001	47,726	3,812,696	5,810,163
LAMB WESTON HOLDINGS INC COMMON STOCK USD1.0	68,886	3,896,623	4,603,651
LANCASTER COLONY CORP COMMON STOCK	4,203	749,660	727,707
LANDS END INC COMMON STOCK USD.01	24,105	196,520	316,740
LANDSEA HOMES CORP COMMON STOCK USD.0001	126,952	1,315,170	1,077,822
LANDSTAR SYSTEM INC COMMON STOCK USD.01	16,434	1,692,442	2,824,347
LANTHEUS HOLDINGS INC COMMON STOCK USD.01	92,120	4,105,518	8,241,055
LANZATECH GLOBAL INC COMMON STOCK USD.0001	3,910	15,468	5,357
LARIMAR THERAPEUTICS INC COMMON STOCK USD.01	2,445	15,412	9,462
LAS VEGAS SANDS CORP COMMON STOCK USD.001	413,033	20,538,177	21,213,375
LATHAM GROUP INC COMMON STOCK USD.0001	2,527	43,760	17,588
LATTICE SEMICONDUCTOR CORP COMMON STOCK USD.01	88,553	4,513,532	5,016,527
LAUREATE EDUCATION INC COMMON STOCK USD.001	7,150	83,630	130,774
LAZARD INC COMMON STOCK USD.01	52,629	1,988,679	2,709,341
LCI INDUSTRIES COMMON STOCK USD.01	22,559	1,997,295	2,332,375
LCNB CORPORATION COMMON STOCK	310	4,597	4,690
LEAR CORP COMMON STOCK USD.01	91,552	9,558,284	8,669,974
LEGACY HOUSING CORP COMMON STOCK USD.001	597	12,394	14,734
LEGALZOOMCOM INC COMMON STOCK	394,136	4,572,688	2,959,961
LEGGETT + PLATT INC COMMON STOCK USD.01	72,246	3,050,727	693,562
LEIDOS HOLDINGS INC COMMON STOCK USD.0001	113,410	8,623,961	16,337,845
LEMAITRE VASCULAR INC COMMON STOCK USD.01	973	35,785	89,652
LEMONADE INC COMMON STOCK USD.00001	2,248	83,362	82,457
LENDINGCLUB CORP COMMON STOCK USD.01	5,278	112,617	85,451
LENDINGTREE INC COMMON STOCK USD.01	404	55,561	15,655
LENNAR CORP B SHS COMMON STOCK USD.1	5,567	231,848	735,679

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
LENNAR CORP A COMMON STOCK USD.1	192,367	13,687,131	26,233,088
LENNOX INTERNATIONAL INC COMMON STOCK USD.01	15,497	2,848,463	9,442,322
LENZ THERAPEUTICS INC COMMON STOCK USD.00001	792	15,741	22,865
LEONARDO DRS INC COMMON STOCK	3,350	64,595	108,239
LESLIE S INC COMMON STOCK USD.001	8,218	115,687	18,326
LEXEO THERAPEUTICS INC COMMON STOCK USD.0001	651	8,334	4,284
LEXICON PHARMACEUTICALS INC COMMON STOCK USD.001	4,475	26,280	3,305
LGI HOMES INC COMMON STOCK USD.01	934	74,047	83,500
LIBERTY BROADBAND A COMMON STOCK USD.01	7,587	664,981	564,169
LIBERTY BROADBAND C COMMON STOCK USD.01	51,529	4,336,254	3,852,308
LIBERTY ENERGY INC COMMON STOCK	161,169	1,848,306	3,205,651
LIBERTY GLOBAL LTD A COMMON STOCK USD.01	82,245	758,136	1,049,446
LIBERTY GLOBAL LTD C COMMON STOCK USD.01	80,842	772,317	1,062,264
LIBERTY LATIN AMERIC CL A COMMON STOCK USD.01	1,336	17,403	8,497
LIBERTY LATIN AMERIC CL C COMMON STOCK USD.01	6,210	81,977	39,371
LIBERTY MEDIA CORP LIB NEW A TRACKING STK	10,730	368,484	901,749
LIBERTY MEDIA CORP LIB NEW C TRACKING STK	100,871	4,365,598	9,346,707
LIBERTY MEDIA CORP LIBERTY A TRACKING STK USD.01	19,143	815,555	1,274,158
LIBERTY MEDIA CORP LIBERTY C TRACKING STK USD.01	27,664	996,487	1,882,812
LIEBERMAN ENTERPRISES INC CTF ELEGIBILITY	44,000	-	-
LIFE TIME GROUP HOLDINGS INC COMMON STOCK USD.01	99,721	1,667,788	2,205,829
LIFE360 INC COMMON STOCK USD.001	529	20,902	21,832
LIFECORE BIOMEDICAL INC COMMON STOCK USD.001	575	3,172	4,272
LIFEMD INC COMMON STOCK	945	6,490	4,678
LIFESTANCE HEALTH GROUP INC COMMON STOCK USD.01	5,782	55,953	42,613
LIFETIME BRANDS INC COMMON STOCK USD.01	334	2,872	1,974
LIFEWAY FOODS INC COMMON STOCK	126	1,610	3,125
LIFEZONE METALS LTD COMMON STOCK	991	7,850	6,887
LIGAND PHARMACEUTICALS COMMON STOCK USD.001	35,274	2,335,398	3,779,609
LIGHT + WONDER INC COMMON STOCK USD.001	42,052	4,312,069	3,632,452
LIGHTWAVE LOGIC INC COMMON STOCK USD.001	4,886	31,388	10,261
LIMBACH HOLDINGS INC COMMON STOCK USD.0001	522	16,654	44,652
LIMONEIRA CO COMMON STOCK USD.01	933	14,807	22,821
LINCOLN EDUCATIONAL SERVICES COMMON STOCK	1,597	13,034	25,265
LINCOLN ELECTRIC HOLDINGS COMMON STOCK	26,966	2,420,938	5,055,316
LINCOLN NATIONAL CORP COMMON STOCK	107,024	5,745,376	3,393,731
LINDBLAD EXPEDITIONS HOLDING COMMON STOCK USD.0001	6,777	91,486	80,375
LINDE PLC COMMON STOCK	318,983	94,855,129	133,548,613
LINDSAY CORP COMMON STOCK USD1.0	487	51,227	57,617
LINEAGE CELL THERAPEUTICS IN COMMON STOCK	3,602	4,928	1,810
LINEAGE INC REIT	30,158	2,441,531	1,766,354
LINKBANCORP INC COMMON STOCK USD.01	514	3,150	3,845
LIONS GATE ENTERTAINMENT A COMMON STOCK	2,977	47,155	25,424
LIONS GATE ENTERTAINMENT B COMMON STOCK	5,387	81,742	40,672
LIQUIDIA CORP COMMON STOCK USD.001	2,551	15,404	30,000
LIQUIDITY SERVICES INC COMMON STOCK USD.001	918	16,636	29,642
LITHIA MOTORS INC COMMON STOCK	48,976	14,773,614	17,505,492
LITTELFUSE INC COMMON STOCK USD.01	12,258	2,539,056	2,888,598
LIVANOVA PLC COMMON STOCK GBP1.0	62,156	3,235,738	2,878,444
LIVE NATION ENTERTAINMENT IN COMMON STOCK USD.01	75,341	4,012,710	9,756,660
LIVE OAK BANCSHARES INC COMMON STOCK NPV	1,494	51,872	59,088
LIVEONE INC COMMON STOCK USD.001	1,857	2,930	2,730
LIVERAMP HOLDINGS INC COMMON STOCK USD.1	2,967	94,618	90,108
LIVEWIRE GROUP INC COMMON STOCK	488	4,957	2,347
LKQ CORP COMMON STOCK USD.01	206,688	7,055,802	7,595,784
LOAR HOLDINGS INC COMMON STOCK NPV	14,482	955,058	1,070,365
LOCKHEED MARTIN CORP COMMON STOCK USD1.0	142,367	49,372,194	69,181,820
LOEWS CORP COMMON STOCK USD.01	85,710	3,977,071	7,258,780
LOUISIANA PACIFIC CORP COMMON STOCK USD1.0	34,490	2,043,648	3,571,440
LOVESAC CO/THE COMMON STOCK USD.00001	37,655	961,185	890,917
LOWE S COS INC COMMON STOCK USD.5	352,563	37,952,667	87,012,548

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
LPL FINANCIAL HOLDINGS INC COMMON STOCK	35,721	2,502,706	11,663,264
LSB INDUSTRIES INC COMMON STOCK USD.1	2,646	35,598	20,083
LSI INDUSTRIES INC COMMON STOCK	53,412	777,618	1,037,261
LTC PROPERTIES INC REIT USD.01	1,970	66,166	68,064
LUCID GROUP INC COMMON STOCK USD.0001	418,417	6,490,882	1,263,619
LULULEMON ATHLETICA INC COMMON STOCK USD.005	62,385	10,576,692	23,856,648
LUMEN TECHNOLOGIES INC COMMON STOCK USD1.0	84,754	988,989	450,044
LUMENTUM HOLDINGS INC COMMON STOCK USD.001	43,987	3,674,331	3,692,709
LUMINAR TECHNOLOGIES INC COMMON STOCK USD.0001	886	87,085	4,767
LUXFER HOLDINGS PLC COMMON STOCK USD.5	35,083	368,536	459,236
LXP INDUSTRIAL TRUST REIT USD.0001	13,749	160,328	111,642
LYELL IMMUNOPHARMA INC COMMON STOCK USD.0001	6,591	43,454	4,218
LYFT INC A COMMON STOCK USD.00001	171,617	7,121,372	2,213,859
LYONDELLBASELL INDU CL A COMMON STOCK EUR.04	271,483	23,739,524	20,163,042
LYRA THERAPEUTICS INC COMMON STOCK USD.001	2,516	722	519
M + T BANK CORP COMMON STOCK USD.5	106,156	15,699,246	19,958,390
M/I HOMES INC COMMON STOCK USD.01	24,878	2,455,448	3,307,530
MACERICH CO/THE REIT USD.01	72,766	1,456,254	1,449,499
MACOM TECHNOLOGY SOLUTIONS H COMMON STOCK USD.001	38,459	4,125,100	4,996,209
MACROGENICS INC COMMON STOCK USD.01	2,988	57,730	9,711
MACY S INC COMMON STOCK USD.01	181,949	5,652,994	3,080,397
MADISON SQUARE GARDEN ENTERT COMMON STOCK USD.01	1,843	55,375	65,611
MADISON SQUARE GARDEN SPORTS COMMON STOCK USD.01	9,373	1,380,320	2,115,299
MADRIGAL PHARMACEUTICALS INC COMMON STOCK USD.0001	5,919	1,829,111	1,826,426
MAGNERA CORP COMMON STOCK USD.01	8,675	116,024	157,625
MAGNITE INC COMMON STOCK USD.00001	5,795	78,590	92,256
MAGNOLIA OIL + GAS CORP A COMMON STOCK USD.0001	34,426	783,175	804,880
MAIDEN HOLDINGS LTD COMMON STOCK USD.01	6,256	12,297	10,573
MALIBU BOATS INC A COMMON STOCK USD.01	898	36,054	33,756
MAMA S CREATIONS INC COMMON STOCK	894	6,033	7,116
MAMMOTH ENERGY SERVICES INC COMMON STOCK USD.01	793	3,649	2,379
MANHATTAN ASSOCIATES INC COMMON STOCK USD.01	43,870	3,601,866	11,855,429
MANITOWOC COMPANY INC COMMON STOCK USD.01	1,793	32,540	16,370
MANNKIND CORP COMMON STOCK USD.01	11,775	34,237	75,713
MANPOWERGROUP INC COMMON STOCK USD.01	96,606	8,233,347	5,576,098
MAPLEBEAR INC COMMON STOCK USD.0001	102,217	3,338,078	4,233,828
MARATHON DIGITAL HOLDINGS IN COMMON STOCK USD.001	62,193	1,476,323	1,042,977
MARATHON PETROLEUM CORP COMMON STOCK USD.01	228,053	16,758,132	31,813,394
MARAVAI LIFESCIENCES HLDGS A COMMON STOCK USD.01	69,283	667,179	377,592
MARCUS + MILLICHAP INC COMMON STOCK USD.0001	1,058	40,052	40,479
MARCUS CORPORATION COMMON STOCK USD1.0	39,099	807,791	840,629
MARINE PRODUCTS CORP COMMON STOCK USD.1	192	2,520	1,761
MARINEMAX INC COMMON STOCK USD.001	58,448	1,198,641	1,692,070
MARKEL GROUP INC COMMON STOCK	6,220	6,333,403	10,737,151
MARKETAXESS HOLDINGS INC COMMON STOCK USD.003	19,901	4,272,837	4,498,422
MARKETWISE INC COMMON STOCK USD.0001	1,594	3,136	905
MARQETA INC A COMMON STOCK USD.0001	22,176	201,662	84,047
MARRIOTT INTERNATIONAL CL A COMMON STOCK USD.01	110,373	11,033,886	30,787,445
MARRIOTT VACATIONS WORLD COMMON STOCK USD.01	97,176	10,221,205	8,726,405
MARSH + MCLENNAN COS COMMON STOCK USD1.0	249,475	22,848,126	52,990,985
MARTEN TRANSPORT LTD COMMON STOCK USD.01	41,228	728,153	643,569
MARTIN MARIETTA MATERIALS COMMON STOCK USD.01	36,553	9,531,359	18,879,625
MARVELL TECHNOLOGY INC COMMON STOCK USD.002	463,808	16,607,867	51,227,594
MASCO CORP COMMON STOCK USD1.0	151,608	5,058,902	11,002,193
MASIMO CORP COMMON STOCK USD.001	21,286	2,601,093	3,518,576
MASTEC INC COMMON STOCK USD.1	130,290	14,120,710	17,737,681
MASTERBRAND INC COMMON STOCK	75,699	1,161,079	1,105,962
MASTERCARD INC A COMMON STOCK USD.0001	524,869	112,658,827	276,380,269
MASTERCRAFT BOAT HOLDINGS IN COMMON STOCK USD.01	696	16,735	13,273
MATADOR RESOURCES CO COMMON STOCK USD.01	115,007	6,619,885	6,470,294
MATCH GROUP INC COMMON STOCK USD.001	123,897	8,486,305	4,052,671

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
MATERION CORP COMMON STOCK	929	54,089	91,860
MATIV HOLDINGS INC COMMON STOCK USD.1	151,812	1,800,524	1,654,751
MATRIX SERVICE CO COMMON STOCK USD.01	14,921	193,462	178,604
MATSON INC COMMON STOCK	8,221	541,611	1,108,520
MATTEL INC COMMON STOCK USD1.0	225,218	4,518,189	3,993,115
MATTERPORT INC COMMON STOCK USD.0001	11,133	45,180	52,770
MATTHEWS INTL CORP CLASS A COMMON STOCK USD1.0	1,332	40,144	36,870
MAUI LAND + PINEAPPLE CO COMMON STOCK	245	3,851	5,385
MAXCYTE INC COMMON STOCK NPV	251,971	1,386,574	1,048,199
MAXIMUS INC COMMON STOCK	39,968	2,097,559	2,983,611
MAXLINEAR INC COMMON STOCK	3,462	108,325	68,478
MAYVILLE ENGINEERING CO INC COMMON STOCK	24,933	478,265	391,947
MBIA INC COMMON STOCK USD1.0	2,333	24,946	15,071
MBX BIOSCIENCES INC COMMON STOCK USD.0001	19,489	444,802	359,182
MCCORMICK + CO NON VTG SHRS COMMON STOCK	122,340	8,523,614	9,327,202
MCDONALD S CORP COMMON STOCK USD.01	401,013	71,826,790	116,249,659
MCGRATH RENTCORP COMMON STOCK	1,100	56,306	123,002
MCKESSON CORP COMMON STOCK USD.01	67,755	10,903,540	38,614,252
MDU RESOURCES GROUP INC COMMON STOCK USD1.0	133,416	1,453,487	2,404,156
MEDALLION FINANCIAL CORP COMMON STOCK USD.01	522	4,013	4,902
MEDIAALPHA INC CLASS A COMMON STOCK USD.01	1,318	38,740	14,880
MEDICAL PROPERTIES TRUST INC REIT USD.001	265,873	4,312,391	1,050,198
MEDIFAST INC COMMON STOCK USD.001	510	55,353	8,986
MEDPACE HOLDINGS INC COMMON STOCK USD.01	33,194	5,782,556	11,028,043
MEDTRONIC PLC COMMON STOCK USD.1	984,426	83,970,018	78,635,949
MEIRAGTX HOLDINGS PLC COMMON STOCK USD.00001	1,795	26,392	10,932
MERCANTILE BANK CORP COMMON STOCK	863	27,045	38,395
MERCHANTS BANCORP/IN COMMON STOCK	863	22,351	31,474
MERCK + CO. INC. COMMON STOCK USD.5	1,515,884	106,463,974	150,800,140
MERCURY GENERAL CORP COMMON STOCK	19,789	937,348	1,315,573
MERCURY SYSTEMS INC COMMON STOCK USD.01	2,302	65,286	96,684
MERIDIANLINK INC COMMON STOCK USD.001	1,380	28,820	28,497
MERIT MEDICAL SYSTEMS INC COMMON STOCK	64,532	4,674,577	6,241,535
MERITAGE HOMES CORP COMMON STOCK USD.01	14,989	1,272,266	2,305,608
MERSANA THERAPEUTICS INC COMMON STOCK USD.0001	4,704	49,747	6,727
MESA LABORATORIES INC COMMON STOCK	220	49,682	29,011
META PLATFORMS INC CLASS A COMMON STOCK USD.000006	1,342,719	243,009,648	786,175,402
METAGENOMI INC COMMON STOCK	630	2,558	2,274
METHODE ELECTRONICS INC COMMON STOCK USD.5	1,570	44,235	18,510
METLIFE INC COMMON STOCK USD.01	371,888	17,401,656	30,450,189
METROCITY BANKSHARES INC COMMON STOCK	828	15,614	26,455
METROPOLITAN BANK HOLDING CO COMMON STOCK	20,283	827,214	1,184,527
METTLER TOLEDO INTERNATIONAL COMMON STOCK USD.01	17,041	15,355,686	20,852,731
MFA FINANCIAL INC REIT USD.01	4,551	80,163	46,375
MGE ENERGY INC COMMON STOCK USD1.0	8,802	597,787	827,036
MGIC INVESTMENT CORP COMMON STOCK USD1.0	284,405	3,817,352	6,743,243
MGM RESORTS INTERNATIONAL COMMON STOCK USD.01	153,217	4,643,937	5,308,969
MGP INGREDIENTS INC COMMON STOCK	709	50,144	27,913
MICROCHIP TECHNOLOGY INC COMMON STOCK USD.001	343,285	16,200,219	19,687,395
MICRON TECHNOLOGY INC COMMON STOCK USD.1	673,865	33,000,163	56,712,478
MICROSOFT CORP COMMON STOCK USD.00000625	4,451,379	579,509,301	1,876,256,249
MICROSTRATEGY INC CL A COMMON STOCK USD.001	81,654	12,581,057	23,648,631
MICROVISION INC COMMON STOCK USD.001	9,187	104,050	12,035
MID AMERICA APARTMENT COMM REIT USD.01	55,657	6,308,173	8,602,902
MID PENN BANCORP INC COMMON STOCK USD1.0	24,050	662,831	693,602
MIDDLEBY CORP COMMON STOCK USD.01	26,088	3,112,251	3,533,620
MIDDLEFIELD BANC CORP COMMON STOCK	488	13,095	13,688
MIDDLESEX WATER CO COMMON STOCK	782	33,922	41,157
MIDLAND STATES BANCORP INC COMMON STOCK USD.01	808	21,850	19,715
MIDWESTONE FINANCIAL GROUP I COMMON STOCK USD.01	34,721	920,807	1,011,076
MILLER INDUSTRIES INC/TENN COMMON STOCK USD.01	23,353	504,848	1,526,352

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
MILLERKNOLL INC COMMON STOCK USD.2	22,649	869,616	511,641
MIMEDX GROUP INC COMMON STOCK USD.001	6,062	42,267	58,316
MINERALS TECHNOLOGIES INC COMMON STOCK USD.1	16,848	1,189,659	1,283,986
MINERALYS THERAPEUTICS INC COMMON STOCK USD.0001	14,790	186,389	182,065
MIRION TECHNOLOGIES INC COMMON STOCK USD.0001	313,627	2,462,824	5,472,791
MIRUM PHARMACEUTICALS INC COMMON STOCK	1,815	49,175	75,050
MISSION PRODUCE INC COMMON STOCK USD.001	2,082	37,232	29,918
MISTER CAR WASH INC COMMON STOCK USD.01	3,820	39,147	27,848
MISTRAS GROUP INC COMMON STOCK USD.01	1,828	15,503	16,562
MITEK SYSTEMS INC COMMON STOCK USD.001	2,123	21,200	23,629
MKS INSTRUMENTS INC COMMON STOCK	46,585	4,820,575	4,863,008
MODERNA INC COMMON STOCK USD.0001	239,773	21,474,908	9,969,761
MODINE MANUFACTURING CO COMMON STOCK USD.625	19,994	1,769,255	2,317,904
MODIVCARE INC COMMON STOCK USD.001	513	28,461	6,074
MOELIS + CO CLASS A COMMON STOCK USD.01	2,890	125,553	213,513
MOHAWK INDUSTRIES INC COMMON STOCK USD.01	25,230	4,329,465	3,005,650
MOLINA HEALTHCARE INC COMMON STOCK USD.001	32,678	5,630,227	9,510,932
MOLSON COORS BEVERAGE CO B COMMON STOCK USD.01	149,614	9,703,549	8,575,874
MONARCH CASINO + RESORT INC COMMON STOCK USD.01	567	24,028	44,736
MONDELEZ INTERNATIONAL INC A COMMON STOCK	834,011	40,790,241	49,815,477
MONEYLION INC COMMON STOCK	394	29,097	33,888
MONGODB INC COMMON STOCK USD.001	46,582	11,971,815	10,844,755
MONOLITHIC POWER SYSTEMS INC COMMON STOCK USD.001	26,318	7,640,083	15,572,361
MONRO INC COMMON STOCK USD.01	1,351	61,730	33,505
MONSTER BEVERAGE CORP COMMON STOCK	457,266	15,387,745	24,033,901
MONTAUK RENEWABLES INC COMMON STOCK USD.01	3,268	34,505	13,007
MONTE ROSA THERAPEUTICS INC COMMON STOCK USD.0001	1,581	24,751	10,972
MONTROSE ENVIRONMENTAL GROUP COMMON STOCK	76,901	2,279,564	1,426,514
MOODY S CORP COMMON STOCK USD.01	89,924	18,572,774	42,567,324
MOOG INC CLASS A COMMON STOCK USD1.0	14,821	2,299,490	2,917,366
MORGAN STANLEY COMMON STOCK USD.01	700,762	42,286,502	88,099,799
MORNINGSTAR INC COMMON STOCK	12,989	1,949,367	4,374,176
MOSAIC CO/THE COMMON STOCK USD.01	231,077	6,681,980	5,679,873
MOTOROLA SOLUTIONS INC COMMON STOCK USD.01	123,985	25,492,296	57,309,587
MOVADO GROUP INC COMMON STOCK USD.01	756	19,134	14,878
MP MATERIALS CORP COMMON STOCK USD.0001	58,627	1,908,657	914,581
MR COOPER GROUP INC COMMON STOCK USD.01	50,664	3,781,993	4,864,251
MRC GLOBAL INC COMMON STOCK USD.01	134,428	1,789,544	1,717,990
MSA SAFETY INC COMMON STOCK	17,533	1,945,771	2,906,445
MSC INDUSTRIAL DIRECT CO A COMMON STOCK USD.001	22,478	1,764,100	1,678,882
MSCI INC COMMON STOCK USD.01	43,735	10,848,358	26,241,437
MUELLER INDUSTRIES INC COMMON STOCK USD.01	45,156	1,586,419	3,583,580
MUELLER WATER PRODUCTS INC A COMMON STOCK USD.01	7,003	78,837	157,568
MURPHY OIL CORP COMMON STOCK USD1.0	88,849	2,818,053	2,688,571
MURPHY USA INC COMMON STOCK	9,670	2,958,169	4,851,923
MVB FINANCIAL CORP COMMON STOCK USD1.0	17,832	376,355	369,122
MYERS INDUSTRIES INC COMMON STOCK	1,550	20,746	17,112
MYR GROUP INC/DELAWARE COMMON STOCK USD.01	11,079	1,581,999	1,648,223
MYRIAD GENETICS INC COMMON STOCK USD.01	4,222	106,809	57,884
N ABLE INC COMMON STOCK USD.001	3,475	36,951	32,457
N B T BANCORP INC COMMON STOCK USD.01	1,899	57,547	90,696
NABORS INDUSTRIES LTD COMMON STOCK USD.001	413	92,321	23,611
NANO NUCLEAR ENERGY INC COMMON STOCK USD.0001	125	1,629	3,112
NANO X IMAGING LTD COMMON STOCK ILS.01	2,631	29,494	18,943
NAPCO SECURITY TECHNOLOGIES COMMON STOCK USD.01	21,299	794,912	757,392
NASDAQ INC COMMON STOCK USD.01	223,649	8,444,296	17,290,304
NATERA INC COMMON STOCK	121,944	10,561,170	19,303,735
NATHAN S FAMOUS INC COMMON STOCK USD.01	73	5,652	5,739
NATIONAL BANK HOLD CL A COMMON STOCK	51,147	1,843,950	2,202,390
NATIONAL BANKSHARES INC/VA COMMON STOCK USD1.25	153	4,865	4,393
NATIONAL BEVERAGE CORP COMMON STOCK USD.01	1,057	35,844	45,102

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
NATIONAL CINEMEDIA INC COMMON STOCK USD.01	502,089	2,060,520	3,333,871
NATIONAL FUEL GAS CO COMMON STOCK USD1.0	42,340	2,280,036	2,569,191
NATIONAL HEALTHCARE CORP COMMON STOCK USD.01	535	37,351	57,545
NATIONAL PRESTO INDS INC COMMON STOCK USD1.0	213	19,257	20,963
NATIONAL RESEARCH CORP COMMON STOCK USD.001	675	25,879	11,907
NATIONAL STORAGE AFFILIATES REIT USD.01	50,753	2,337,315	1,924,046
NATIONAL VISION HOLDINGS INC COMMON STOCK USD.01	3,486	128,523	36,324
NATL HEALTH INVESTORS INC REIT USD.01	1,913	109,629	132,571
NATURAL GAS SERVICES GROUP COMMON STOCK USD.01	319	6,636	8,549
NATURAL GROCERS BY VITAMIN C COMMON STOCK USD.001	572	15,167	22,720
NATURES SUNSHINE PRODS INC COMMON STOCK	32,769	454,926	480,394
NAUTILUS BIOTECHNOLOGY INC COMMON STOCK USD.0001	1,264	3,911	2,124
NAVIENT CORP COMMON STOCK USD.01	4,031	45,350	53,572
NAVITAS SEMICONDUCTOR CORP COMMON STOCK USD.0001	5,204	41,993	18,578
NB BANCORP INC COMMON STOCK USD.01	1,766	26,645	31,894
NCINO INC COMMON STOCK USD.0005	38,390	2,289,260	1,289,136
NCR ATLEOS CORP COMMON STOCK USD.01	20,643	464,221	700,211
NCR VOYIX CORP COMMON STOCK USD.01	15,108	223,676	209,095
NCS MULTISTAGE HOLDINGS INC COMMON STOCK USD.01	5,433	1,227,318	141,041
NEKTAR THERAPEUTICS COMMON STOCK USD.0001	4,883	6,094	4,541
NELNET INC CL A COMMON STOCK USD.01	658	37,333	70,281
NEOGEN CORP COMMON STOCK USD.16	9,770	198,049	118,608
NEOGENOMICS INC COMMON STOCK USD.001	98,893	1,158,401	1,629,757
NERDWALLET INC CL A COMMON STOCK USD.0001	1,943	23,654	25,842
NERDY INC COMMON STOCK USD.0001	3,660	12,048	5,929
NET LEASE OFFICE PROPERTY REIT USD.001	663	13,566	20,692
NET POWER INC COMMON STOCK USD.0001	619	6,295	6,555
NETAPP INC COMMON STOCK USD.001	216,683	14,822,922	25,152,563
NETFLIX INC COMMON STOCK USD.001	263,194	71,495,190	234,590,076
NETGEAR INC COMMON STOCK USD.001	15,342	326,407	427,582
NETSCOUT SYSTEMS INC COMMON STOCK USD.001	52,136	1,095,962	1,129,266
NETSTREIT CORP REIT USD.01	3,504	65,815	49,582
NEUMORA THERAPEUTICS INC COMMON STOCK USD.0001	3,851	42,687	40,821
NEUROCRINE BIOSCIENCES INC COMMON STOCK USD.001	141,822	13,298,368	19,358,703
NEUROGENE INC COMMON STOCK USD.000001	27,533	1,100,980	629,404
NEUROPACE INC COMMON STOCK USD.001	347	2,626	3,883
NEVRO CORP COMMON STOCK USD.001	164,564	3,270,155	612,178
NEW FORTRESS ENERGY INC COMMON STOCK	331,125	4,901,219	5,006,610
NEW JERSEY RESOURCES CORP COMMON STOCK USD2.5	4,349	141,854	202,881
NEW YORK MORTGAGE TRUST INC REIT USD.02	4,041	67,487	24,488
NEW YORK TIMES CO A COMMON STOCK USD.1	127,834	5,336,148	6,653,760
NEWELL BRANDS INC COMMON STOCK USD1.0	198,246	6,438,437	1,974,530
NEWMARK GROUP INC CLASS A COMMON STOCK USD.01	132,771	1,407,715	1,700,797
NEWMARKET CORP COMMON STOCK	5,503	2,392,129	2,907,510
NEWMONT CORP COMMON STOCK USD1.6	571,310	22,163,370	21,264,158
NEWPARK RESOURCES INC COMMON STOCK USD.01	494,940	3,358,329	3,796,190
NEWS CORP CLASS A COMMON STOCK USD.01	187,175	2,579,671	5,154,800
NEWS CORP CLASS B COMMON STOCK	56,673	795,181	1,724,559
NEWTEKONE INC COMMON STOCK USD.02	1,072	16,802	13,689
NEXPOINT DIVERSIFIED REAL ES REIT USD.001	1,607	15,971	9,803
NEXPOINT REAL ESTATE FINANCE REIT USD.01	211	3,952	3,311
NEXPOINT RESIDENTIAL REIT USD.01	2,720	120,332	113,560
NEXSTAR MEDIA GROUP INC COMMON STOCK USD.01	30,359	4,063,361	4,795,811
NEXTDECADE CORP COMMON STOCK USD.0001	214,163	1,279,996	1,651,197
NEXTDOOR HOLDINGS INC COMMON STOCK USD.0001	7,382	21,893	17,495
NEXTERA ENERGY INC COMMON STOCK USD.01	1,220,093	58,132,418	87,468,467
NEXTNAV INC COMMON STOCK USD.0001	3,952	22,153	61,493
NEXTRACKER INC CL A COMMON STOCK USD.0001	78,382	3,174,541	2,863,294
NI HOLDINGS INC COMMON STOCK USD.01	395	6,498	6,202
NICOLET BANKSHARES INC COMMON STOCK USD.01	3,898	414,900	408,939
NIKE INC CL B COMMON STOCK	606,396	45,459,094	45,885,985

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
NISOURCE INC COMMON STOCK USD.01	242,749	6,493,789	8,923,453
NKARTA INC COMMON STOCK	2,508	37,171	6,245
NL INDUSTRIES COMMON STOCK USD.125	234	1,599	1,818
NLIGHT INC COMMON STOCK	2,167	41,961	22,732
NMI HOLDINGS INC CLASS A COMMON STOCK USD.01	46,824	885,838	1,721,250
NN INC COMMON STOCK USD.01	1,240	3,730	4,055
NNN REIT INC REIT USD.01	91,177	4,087,668	3,724,580
NOBLE CORP PLC COMMON STOCK	23,607	983,378	741,260
NORDIC AMERICAN TANKERS LTD COMMON STOCK USD.01	10,239	56,899	25,598
NORDSON CORP COMMON STOCK	27,216	3,607,674	5,694,676
NORDSTROM INC COMMON STOCK	51,981	2,477,148	1,255,341
NORFOLK SOUTHERN CORP COMMON STOCK USD1.0	108,941	15,640,611	25,568,453
NORTHEAST BANK COMMON STOCK USD1.0	298	12,345	27,336
NORTHEAST COMMUNITY BANCORP COMMON STOCK	17,564	292,469	429,615
NORTHERN OIL AND GAS INC COMMON STOCK USD.001	103,898	3,149,651	3,860,850
NORTHERN TECHNOLOGIES INTL COMMON STOCK USD.02	203	3,363	2,738
NORTHERN TRUST CORP COMMON STOCK USD1.666666	95,820	8,238,990	9,821,550
NORTHFIELD BANCORP INC COMMON STOCK USD.01	1,661	21,288	19,301
NORTHRIM BANCORP INC COMMON STOCK USD1.0	10,026	802,508	781,426
NORTHROP GRUMMAN CORP COMMON STOCK USD1.0	109,169	38,506,861	51,231,920
NORTHWEST BANCSHARES INC COMMON STOCK USD.01	76,877	1,029,657	1,014,008
NORTHWEST NATURAL HOLDING CO COMMON STOCK	1,652	75,971	65,353
NORTHWEST PIPE CO COMMON STOCK USD.01	538	16,364	25,964
NORTHWESTERN ENERGY GROUP IN COMMON STOCK USD.01	2,925	160,865	156,371
NORWEGIAN CRUISE LINE HOLDIN COMMON STOCK USD.001	203,692	6,344,258	5,240,995
NORWOOD FINANCIAL CORP COMMON STOCK USD.1	449	13,571	12,215
NOV INC COMMON STOCK USD.01	809,811	15,696,329	11,823,241
NOVAGOLD RESOURCES INC COMMON STOCK	10,786	63,983	35,917
NOVANTA INC COMMON STOCK	9,724	1,221,230	1,485,535
NOVAVAX INC COMMON STOCK USD.01	42,453	407,383	341,322
NOVOCURE LTD COMMON STOCK	4,735	117,346	141,103
NOW INC COMMON STOCK USD.01	71,132	940,327	925,427
NRG ENERGY INC COMMON STOCK USD.01	166,413	5,264,990	15,013,781
NU HOLDINGS LTD/CAYMAN ISL A COMMON STOCK USD.00006667	3,352,412	34,708,848	34,730,988
NU SKIN ENTERPRISES INC A COMMON STOCK USD.001	88,942	685,800	612,810
NUCOR CORP COMMON STOCK USD.4	188,620	18,404,569	22,013,840
NURIX THERAPEUTICS INC COMMON STOCK	29,985	655,503	564,917
NUSCALE POWER CORP COMMON STOCK USD.0001	3,850	45,587	69,031
NUTANIX INC A COMMON STOCK USD.000025	131,878	5,217,523	8,068,296
NUVALENT INC A COMMON STOCK USD.0001	26,454	1,522,283	2,070,819
NUVATION BIO INC COMMON STOCK USD.0001	8,750	58,649	23,275
NV5 GLOBAL INC COMMON STOCK USD.01	2,535	47,346	47,759
NVE CORP COMMON STOCK USD.01	213	19,698	17,345
NVENT ELECTRIC PLC COMMON STOCK USD.01	85,745	2,217,592	5,844,379
NVIDIA CORP COMMON STOCK USD.001	14,197,254	153,767,582	1,906,549,240
NVR INC COMMON STOCK USD.01	1,497	4,601,699	12,243,813
NXP SEMICONDUCTORS NV COMMON STOCK	35,170	4,435,581	7,310,085
O I GLASS INC COMMON STOCK	54,269	847,702	588,276
O REILLY AUTOMOTIVE INC COMMON STOCK USD.01	34,591	15,222,347	41,018,008
OAK VALLEY BANCORP COMMON STOCK	471	11,904	13,777
OCCIDENTAL PETROLEUM CORP COMMON STOCK USD.2	327,542	18,844,682	16,183,850
OCEANEERING INTL INC COMMON STOCK USD.25	4,626	69,654	120,646
OCEANFIRST FINANCIAL CORP COMMON STOCK USD.01	2,608	53,203	47,205
OCUGEN INC COMMON STOCK USD.001	15,507	23,307	12,483
OCULAR THERAPEUTIX INC COMMON STOCK USD.0001	6,821	60,545	58,251
OCWEN FINANCIAL CORP COMMON STOCK USD.01	385	12,375	11,823
ODP CORP/THE COMMON STOCK USD.01	88,461	3,201,690	2,011,603
OFFERPAD SOLUTIONS INC COMMON STOCK USD.0001	282	1,249	804
OFG BANCORP COMMON STOCK USD1.0	36,953	803,062	1,563,851
OGE ENERGY CORP COMMON STOCK USD.01	329,500	11,925,643	13,591,875
OIL DRI CORP OF AMERICA COMMON STOCK USD.1	264	14,877	23,137

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
OIL STATES INTERNATIONAL INC COMMON STOCK USD.01	2,837	34,276	14,355
OKTA INC COMMON STOCK	88,395	8,063,298	6,965,526
OLAPLEX HOLDINGS INC COMMON STOCK USD.001	5,696	45,976	9,854
OLD DOMINION FREIGHT LINE COMMON STOCK USD.1	94,345	5,588,280	16,642,458
OLD NATIONAL BANCORP COMMON STOCK	133,139	2,183,966	2,889,782
OLD REPUBLIC INTL CORP COMMON STOCK USD1.0	118,384	2,437,678	4,284,317
OLD SECOND BANCORP INC COMMON STOCK USD1.0	1,946	24,775	34,600
OLEMA PHARMACEUTICALS INC COMMON STOCK USD.0001	1,927	18,066	11,234
OLIN CORP COMMON STOCK USD1.0	208,059	8,769,221	7,032,394
OLLIE S BARGAIN OUTLET HOLDI COMMON STOCK USD.001	59,033	4,832,875	6,477,691
OLO INC CLASS A COMMON STOCK USD.001	13,442	108,944	103,235
OLYMPIC STEEL INC COMMON STOCK	14,446	744,270	473,973
OMEGA FLEX INC COMMON STOCK USD.01	157	13,867	6,589
OMEGA HEALTHCARE INVESTORS REIT USD.1	164,400	5,270,147	6,222,540
OMEROS CORP COMMON STOCK USD.01	2,765	14,882	27,318
OMNIAB INC 12.5 EARNOUT COMMON STOCK	15,080	-	-
OMNIAB INC 15.00 EARNOUT COMMON STOCK	15,080	-	-
OMNIAB INC COMMON STOCK USD.0001	326,242	1,545,005	1,154,897
OMNICELL INC COMMON STOCK USD.001	60,948	2,907,341	2,713,405
OMNICOM GROUP COMMON STOCK USD.15	92,960	7,042,024	7,998,278
ON SEMICONDUCTOR COMMON STOCK USD.01	228,028	6,062,297	14,377,165
ON24 INC COMMON STOCK USD.0001	1,433	35,944	9,257
ONE GAS INC COMMON STOCK	2,639	161,784	182,751
ONE GROUP HOSPITALITY INC/TH COMMON STOCK USD.0001	1,435	17,641	4,162
ONE LIBERTY PROPERTIES INC REIT USD1.0	842	18,924	22,936
ONEMAIN HOLDINGS INC COMMON STOCK USD.01	81,242	3,518,166	4,235,145
ONEOK INC COMMON STOCK USD.01	279,376	16,701,509	28,049,350
ONESPAN INC COMMON STOCK USD.001	50,476	836,248	935,825
ONESPAWORLD HOLDINGS LTD COMMON STOCK USD.0001	4,733	61,923	94,187
ONESTREAM INC COMMON STOCK USD.0001	20,849	646,319	594,613
ONEWATER MARINE INC CL A COMMON STOCK USD.01	500	18,754	8,690
ONTO INNOVATION INC COMMON STOCK	23,103	4,912,384	3,850,577
OOMA INC COMMON STOCK	50,595	472,994	711,366
OPEN LENDING CORP COMMON STOCK	4,483	143,227	26,764
OPENDOOR TECHNOLOGIES INC COMMON STOCK USD.0001	27,530	190,396	44,048
OPENLANE INC COMMON STOCK USD.01	4,872	63,604	96,660
OPKO HEALTH INC COMMON STOCK USD.01	18,390	89,215	27,033
OPPI INC COMMON STOCK USD.0001	518	1,712	3,968
OPTIMIZERX CORP COMMON STOCK USD.001	880	24,386	4,277
OPTINOSE INC COMMON STOCK USD.001	5,252	1,300,117	35,083
OPTION CARE HEALTH INC COMMON STOCK USD.0001	61,429	1,717,538	1,425,153
ORACLE CORP COMMON STOCK USD.01	950,113	59,604,830	158,326,830
ORANGE COUNTY BANCORP INC COMMON STOCK USD.5	345	13,549	19,172
ORASURE TECHNOLOGIES INC COMMON STOCK USD.000001	148,760	885,423	537,024
ORCHESTRA BIOMED HOLDINGS IN COMMON STOCK USD.0001	633	4,906	2,532
ORCHID ISLAND CAPITAL INC REIT USD.01	3,581	50,149	27,860
ORGANOGENESIS HOLDINGS INC COMMON STOCK	3,239	37,074	10,365
ORGANON + CO COMMON STOCK USD.01	249,429	6,183,147	3,721,481
ORIC PHARMACEUTICALS INC COMMON STOCK USD.0001	188,766	1,358,710	1,523,342
ORIGIN BANCORP INC COMMON STOCK	31,799	1,091,922	1,058,589
ORION GROUP HOLDINGS INC COMMON STOCK USD.01	1,868	18,907	13,692
ORION OFFICE REIT INC REIT USD.01	204,625	1,197,364	759,159
ORION SA COMMON STOCK	2,622	51,885	41,401
ORMAT TECHNOLOGIES INC COMMON STOCK USD.001	20,541	1,462,287	1,391,037
ORRSTOWN FINL SERVICES INC COMMON STOCK	1,124	26,423	41,150
ORTHOFIX MEDICAL INC COMMON STOCK USD.1	1,420	43,351	24,793
ORTHOPEDIATRICS CORP COMMON STOCK USD.00025	774	27,000	17,941
OSCAR HEALTH INC CLASS A COMMON STOCK USD.00001	9,099	75,475	122,291
OSHKOSH CORP COMMON STOCK USD.01	85,649	7,308,997	8,142,650
OSI SYSTEMS INC COMMON STOCK	12,861	1,418,318	2,153,317
OTIS WORLDWIDE CORP COMMON STOCK USD.01	284,115	19,256,741	26,311,890

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
OTTER TAIL CORP COMMON STOCK USD5.0	5,169	344,372	381,679
OUSTER INC COMMON STOCK USD.0001	2,247	22,344	27,458
OUTBRAIN INC COMMON STOCK USD.001	78,921	386,233	566,653
OUTFRONT MEDIA INC REIT USD.01	149,206	2,207,758	2,646,914
OUTLOOK THERAPEUTICS INC COMMON STOCK USD.01	626	16,483	1,183
OVID THERAPEUTICS INC COMMON STOCK USD.001	3,820	13,412	3,567
OVINTIV INC COMMON STOCK	209,095	9,552,600	8,468,348
OWENS + MINOR INC COMMON STOCK USD2.0	8,460	180,869	110,572
OWENS CORNING COMMON STOCK USD.001	54,448	4,077,036	9,273,583
OXFORD INDUSTRIES INC COMMON STOCK USD1.0	665	44,584	52,389
P G + E CORP COMMON STOCK	1,477,222	26,207,517	29,810,340
P.A.M. TRANSPORTATION SVCS COMMON STOCK USD.01	221	5,912	3,620
P10 INC A COMMON STOCK USD.001	1,657	18,534	20,895
PACCAR INC COMMON STOCK USD1.0	284,621	14,574,107	29,606,276
PACIFIC BIOSCIENCES OF CALIF COMMON STOCK USD.0001	12,074	97,348	22,095
PACIFIC PREMIER BANCORP INC COMMON STOCK USD.01	54,014	1,487,798	1,346,029
PACIRA BIOSCIENCES INC COMMON STOCK USD.001	38,344	1,544,222	722,401
PACKAGING CORP OF AMERICA COMMON STOCK USD.01	109,825	19,711,344	24,724,902
PACS GROUP INC COMMON STOCK USD.001	1,766	57,529	23,152
PACTIV EVERGREEN INC COMMON STOCK	2,157	31,544	37,683
PAGAYA TECHNOLOGIES LTD A COMMON STOCK USD.0001	4,893	53,694	45,456
PAGERDUTY INC COMMON STOCK USD.000005	122,414	2,708,089	2,235,280
PAGSEGURO DIGITAL LTD CL A COMMON STOCK USD.000025	8,786	88,025	55,000
PALANTIR TECHNOLOGIES INC A COMMON STOCK USD.001	1,008,434	24,656,345	76,267,863
PALO ALTO NETWORKS INC COMMON STOCK USD.0001	394,054	25,992,357	71,702,066
PALOMAR HOLDINGS INC COMMON STOCK USD.0001	1,134	74,526	119,739
PANGAEA LOGISTICS SOLUTIONS COMMON STOCK USD.0001	1,987	13,265	10,650
PAPA JOHN S INTL INC COMMON STOCK USD.01	1,496	102,467	61,441
PAR PACIFIC HOLDINGS INC COMMON STOCK USD.01	17,038	501,452	279,253
PAR TECHNOLOGY CORP/DEL COMMON STOCK USD.02	17,207	1,291,696	1,250,433
PARAGON 28 INC COMMON STOCK USD.01	1,998	31,012	20,639
PARAMOUNT GLOBAL CLASS A COMMON STOCK USD.001	4,065	253,235	90,650
PARAMOUNT GLOBAL CLASS B COMMON STOCK USD.001	275,394	13,711,877	2,880,621
PARAMOUNT GROUP INC REIT USD.01	232,945	1,145,875	1,150,748
PARK AEROSPACE CORP COMMON STOCK USD.1	689	11,436	10,094
PARK HOTELS + RESORTS INC REIT USD.01	266,692	4,858,628	3,752,356
PARK NATIONAL CORP COMMON STOCK	667	69,905	114,344
PARK OHIO HOLDINGS CORP COMMON STOCK USD1.0	594	11,868	15,604
PARKE BANCORP INC COMMON STOCK USD.1	383	7,888	7,855
PARKER HANNIFIN CORP COMMON STOCK USD.5	81,723	20,012,951	51,978,280
PARSONS CORP COMMON STOCK USD1.0	25,284	2,037,469	2,332,449
PATHWARD FINANCIAL INC COMMON STOCK USD.01	1,164	35,063	85,647
PATRIA INVESTMENTS LTD A COMMON STOCK USD.0001	2,433	36,348	28,296
PATRICK INDUSTRIES INC COMMON STOCK	28,333	1,766,178	2,353,906
PATTERSON COS INC COMMON STOCK USD.01	3,686	89,607	113,750
PATTERSON UTI ENERGY INC COMMON STOCK USD.01	132,309	1,413,118	1,092,872
PAYCHEX INC COMMON STOCK USD.01	153,351	10,781,354	21,502,877
PAYCOM SOFTWARE INC COMMON STOCK USD.01	24,829	4,072,453	5,089,200
PAYCOR HCM INC COMMON STOCK USD.001	40,610	1,063,563	754,128
PAYLOCITY HOLDING CORP COMMON STOCK USD.001	20,967	2,541,303	4,182,287
PAYONEER GLOBAL INC COMMON STOCK USD.01	11,516	51,140	115,621
PAYPAL HOLDINGS INC COMMON STOCK	520,811	36,154,728	44,451,219
PAYSAFE LTD COMMON STOCK USD.0001	35,562	707,839	608,110
PAYSIGN INC COMMON STOCK	992	3,123	2,996
PBF ENERGY INC CLASS A COMMON STOCK USD.001	22,282	870,423	591,587
PC CONNECTION INC COMMON STOCK USD.01	16,710	822,502	1,157,502
PCB BANCORP COMMON STOCK	15,707	323,404	317,910
PDF SOLUTIONS INC COMMON STOCK USD.00015	1,402	23,703	37,966
PEAKSTONE REALTY TRUST REIT	18,316	273,406	202,758
PEAPACK GLADSTONE FINL CORP COMMON STOCK	792	23,942	25,384
PEBBLEBROOK HOTEL TRUST REIT USD.01	139,315	2,442,398	1,887,718

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
PEDIATRIX MEDICAL GROUP INC COMMON STOCK USD.01	277,530	3,620,677	3,641,194
PEGASYSTEMS INC COMMON STOCK USD.01	41,296	3,093,103	3,848,787
PELTON INTERACTIVE INC A COMMON STOCK USD.000025	16,155	577,493	140,549
PENN ENTERTAINMENT INC COMMON STOCK USD.01	177,859	7,319,966	3,525,165
PENNANT GROUP INC/THE COMMON STOCK USD.001	89,433	1,550,628	2,371,763
PENNYMAC FINANCIAL SERVICES COMMON STOCK USD.0001	20,207	1,788,677	2,063,943
PENNYMAC MORTGAGE INVESTMENT REIT USD.01	3,963	71,827	49,894
PENSKE AUTOMOTIVE GROUP INC COMMON STOCK USD.0001	25,631	1,356,792	3,907,190
PENTAIR PLC COMMON STOCK USD.01	87,448	3,698,591	8,800,767
PENUMBRA INC COMMON STOCK USD.001	17,900	2,636,075	4,250,892
PEOPLES BANCORP INC COMMON STOCK	1,556	42,232	49,310
PEOPLES BANCORP OF NC COMMON STOCK	104	3,038	3,250
PEOPLES FINANCIAL SERVICES COMMON STOCK USD2.0	380	17,954	19,448
PEPGEN INC COMMON STOCK USD.0001	695	9,883	2,634
PEPSICO INC COMMON STOCK USD.017	760,452	94,315,401	115,634,331
PERDOCEO EDUCATION CORP COMMON STOCK USD.01	7,889	87,820	208,822
PERELLA WEINBERG PARTNERS COMMON STOCK USD.0001	129,884	1,425,070	3,096,435
PERFORMANCE FOOD GROUP CO COMMON STOCK USD.01	86,894	4,422,389	7,346,888
PERFORMANT FINANCIAL CORP COMMON STOCK USD.01	4,748	12,355	14,339
PERIMETER SOLUTIONS INC COMMON STOCK	6,122	72,850	78,239
PERMA FIX ENVIRONMENTAL SVCS COMMON STOCK USD.001	403	4,195	4,461
PERMIAN RESOURCES CORP COMMON STOCK USD.0001	692,817	10,401,511	9,962,708
PERPETUA RESOURCES CORP COMMON STOCK	1,748	6,628	18,651
PERRIGO CO PLC COMMON STOCK EUR.001	62,906	4,436,620	1,617,313
PERSPECTIVE THERAPEUTICS INC COMMON STOCK USD.001	2,409	24,725	7,685
PETCO HEALTH AND WELLNESS CO COMMON STOCK USD.001	3,693	39,011	14,070
PFIZER INC COMMON STOCK USD.05	3,386,453	120,237,983	89,842,598
PHATHOM PHARMACEUTICALS INC COMMON STOCK USD.0001	1,539	29,029	12,497
PHIBRO ANIMAL HEALTH CORP A COMMON STOCK USD.001	53,044	826,264	1,113,924
PHILIP MORRIS INTERNATIONAL COMMON STOCK	748,039	71,333,312	90,026,494
PHILLIPS 66 COMMON STOCK	272,203	22,803,745	31,012,088
PHILLIPS EDISON + COMPANY IN REIT USD.01	30,339	1,016,613	1,136,499
PHINIA INC COMMON STOCK USD.01	85,343	2,701,312	4,110,972
PHOTRONICS INC COMMON STOCK USD.01	46,462	771,753	1,094,645
PHREESIA INC COMMON STOCK USD.01	109,676	2,347,479	2,759,448
PIEDMONT LITHIUM INC COMMON STOCK USD.0001	818	32,802	7,149
PIEDMONT OFFICE REALTY TRU A REIT USD.01	92,669	896,020	847,921
PILGRIM S PRIDE CORP COMMON STOCK USD.01	18,032	410,920	818,472
PINNACLE FINANCIAL PARTNERS COMMON STOCK USD1.0	59,911	3,971,102	6,853,219
PINNACLE WEST CAPITAL COMMON STOCK	257,708	20,937,306	21,845,907
PINTEREST INC CLASS A COMMON STOCK USD.00001	392,435	13,689,895	11,380,615
PIONEER BANCORP INC/NY COMMON STOCK USD.01	17,316	203,729	199,480
PIPER SANDLER COS COMMON STOCK USD.01	5,660	737,341	1,697,717
PITNEY BOWES INC COMMON STOCK USD1.0	7,235	85,915	52,381
PJT PARTNERS INC A COMMON STOCK	1,060	54,586	167,279
PLANET FITNESS INC CL A COMMON STOCK	41,395	2,944,689	4,092,724
PLANET LABS PBC COMMON STOCK USD.0001	9,895	41,121	39,976
PLAYAGS INC COMMON STOCK USD.01	334,220	3,222,969	3,853,557
PLAYSTUDIOS INC COMMON STOCK USD.0001	4,234	21,568	7,875
PLAYTIKA HOLDING CORP COMMON STOCK USD.01	118,217	1,051,364	820,426
PLEXUS CORP COMMON STOCK USD.01	10,621	1,292,071	1,661,974
PLIANT THERAPEUTICS INC COMMON STOCK	2,530	51,851	33,320
PLUG POWER INC COMMON STOCK USD.01	34,118	195,665	72,671
PLUMAS BANCORP COMMON STOCK	351	12,667	16,588
PLYMOUTH INDUSTRIAL REIT INC REIT USD.01	1,737	33,136	30,919
PMV PHARMACEUTICALS INC COMMON STOCK	820,096	1,787,301	1,238,345
PNC FINANCIAL SERVICES GROUP COMMON STOCK USD5.0	274,691	39,891,895	52,974,159
PNM RESOURCES INC COMMON STOCK	122,141	4,616,804	6,005,673
POLARIS INC COMMON STOCK USD.01	24,214	2,064,030	1,395,211
PONCE FINANCIAL GROUP INC COMMON STOCK USD.01	1,298	12,069	16,874
POOL CORP COMMON STOCK USD.001	24,041	3,634,548	8,196,539

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
POPULAR INC COMMON STOCK USD.01	120,423	5,649,564	11,326,987
PORCH GROUP INC COMMON STOCK USD.0001	4,162	13,847	20,477
PORTILLO S INC CL A COMMON STOCK USD.01	2,087	47,914	19,618
PORTLAND GENERAL ELECTRIC CO COMMON STOCK	6,357	290,159	277,292
POSEIDA THERAPEUTICS INC COMMON STOCK	3,098	8,548	29,741
POST HOLDINGS INC COMMON STOCK USD.01	24,709	1,494,402	2,828,192
POSTAL REALTY TRUST INC A REIT USD.01	680	10,932	8,874
POTBELLY CORP COMMON STOCK USD.01	1,777	14,010	16,739
POTLATCHDELTA CORP REIT USD1.0	54,252	2,251,115	2,129,391
POWELL INDUSTRIES INC COMMON STOCK USD.01	444	25,376	98,413
POWER INTEGRATIONS INC COMMON STOCK USD.001	21,091	1,224,658	1,301,315
POWERFLEET INC COMMON STOCK USD.01	4,838	22,206	32,221
PPG INDUSTRIES INC COMMON STOCK USD1.66666	149,446	16,335,477	17,851,325
PPL CORP COMMON STOCK USD.01	353,357	10,986,962	11,469,968
PRA GROUP INC COMMON STOCK USD.01	70,612	2,255,292	1,475,085
PRAIRIE OPERATING CO COMMON STOCK USD.0001	308	3,128	2,131
PRAXIS PRECISION MEDICINES I COMMON STOCK USD.0001	788	32,979	60,644
PRECIGEN INC COMMON STOCK	5,775	68,416	6,468
PREFERRED BANK/LOS ANGELES COMMON STOCK	572	26,777	49,409
PREFORMED LINE PRODUCTS CO COMMON STOCK USD2.0	5,499	469,596	702,717
PRELUDE THERAPEUTICS INC COMMON STOCK USD.0001	295	1,197	376
PREMIER FINANCIAL CORP COMMON STOCK USD.01	1,593	38,154	40,733
PREMIER INC CLASS A COMMON STOCK USD.01	48,488	1,726,031	1,027,946
PRESTIGE CONSUMER HEALTHCARE COMMON STOCK USD.01	101,099	3,699,971	7,894,821
PRICESMART INC COMMON STOCK USD.0001	2,230	168,271	205,539
PRIME MEDICINE INC COMMON STOCK USD.00001	2,243	28,350	6,550
PRIMEENERGY RESOURCES CORP COMMON STOCK USD.1	43	4,194	9,442
PRIMERICA INC COMMON STOCK	16,429	1,974,518	4,459,159
PRIMIS FINANCIAL CORP COMMON STOCK USD.01	1,837	22,417	21,419
PRIMO BRANDS CORP COMMON STOCK USD.01	64,014	1,044,141	1,969,711
PRIMORIS SERVICES CORP COMMON STOCK USD.0001	33,766	1,904,511	2,579,722
PRINCETON BANCORP INC COMMON STOCK	1,134	40,048	39,044
PRINCIPAL FINANCIAL GROUP COMMON STOCK USD.01	148,126	9,285,163	11,466,434
PRIORITY TECHNOLOGY HOLDINGS COMMON STOCK USD.001	1,591	12,695	18,694
PRIVIA HEALTH GROUP INC COMMON STOCK USD.01	4,741	124,379	92,687
PROASSURANCE CORP COMMON STOCK USD.01	2,339	57,469	37,213
PROCEPT BIOROBOTICS CORP COMMON STOCK USD.00001	15,970	1,071,856	1,285,904
PROCORE TECHNOLOGIES INC COMMON STOCK USD.0001	70,200	4,836,781	5,260,086
PROCTER + GAMBLE CO/THE COMMON STOCK	1,266,025	131,473,800	212,249,091
PROFICIENT AUTO LOGISTICS IN COMMON STOCK USD.01	399	6,563	3,220
PROFRAC HOLDING CORP A COMMON STOCK USD.01	1,022	19,130	7,931
PROG HOLDINGS INC COMMON STOCK USD.5	32,178	654,471	1,359,842
PROGRESS SOFTWARE CORP COMMON STOCK USD.01	1,927	60,395	125,544
PROGRESSIVE CORP COMMON STOCK USD1.0	423,483	41,632,465	101,470,762
PROGYNY INC COMMON STOCK USD.0001	3,487	134,507	60,151
PROKIDNEY CORP COMMON STOCK USD.0001	3,927	27,711	6,637
PROLOGIS INC REIT USD.01	608,186	48,436,892	64,285,260
PROPETRO HOLDING CORP COMMON STOCK	44,004	408,714	410,557
PROS HOLDINGS INC COMMON STOCK USD.001	1,978	61,269	43,437
PROSPERITY BANCSHARES INC COMMON STOCK USD1.0	42,399	2,763,154	3,194,765
PROTAGONIST THERAPEUTICS INC COMMON STOCK USD.00001	19,228	841,196	742,201
PROTHENA CORP PLC COMMON STOCK USD.01	4,213	107,458	58,350
PROTO LABS INC COMMON STOCK USD.001	1,134	87,616	44,328
PROVIDENT BANCORP INC COMMON STOCK USD.01	436	4,446	4,970
PROVIDENT FINANCIAL SERVICES COMMON STOCK USD.01	5,388	93,430	101,672
PRUDENTIAL FINANCIAL INC COMMON STOCK USD.01	172,227	15,797,245	20,414,066
PTC INC COMMON STOCK USD.01	57,355	4,661,028	10,545,864
PTC THERAPEUTICS INC COMMON STOCK USD.001	40,353	1,378,904	1,821,534
PUBLIC SERVICE ENTERPRISE GP COMMON STOCK	245,181	12,545,764	20,715,343
PUBLIC STORAGE REIT USD.1	102,162	24,590,723	30,591,389
PUBMATIC INC CLASS A COMMON STOCK USD.0001	1,757	31,216	25,810

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
PULMONX CORP COMMON STOCK	1,668	59,775	11,326
PULSE BIOSCIENCES INC COMMON STOCK USD.001	1,098	13,579	19,116
PULSE BIOSCIENCES INC WARRANT	56	-	179
PULSE BIOSCIENCES INC WARRANTS	56	-	179
PULTEGROUP INC COMMON STOCK USD.01	147,575	5,226,068	16,070,918
PUMA BIOTECHNOLOGY INC COMMON STOCK USD.0001	1,135	3,709	3,462
PURE CYCLE CORP COMMON STOCK USD.0033	96,684	1,241,816	1,225,953
PURE STORAGE INC CLASS A COMMON STOCK USD.0001	172,253	4,817,121	10,581,502
PURECYCLE TECHNOLOGIES INC COMMON STOCK USD.0001	6,036	66,209	61,869
PURPLE INNOVATION INC COMMON STOCK	2,717	51,615	2,119
PVH CORP COMMON STOCK USD1.0	78,492	7,786,008	8,300,529
PYXIS ONCOLOGY INC COMMON STOCK USD.001	1,315	4,363	2,051
Q2 HOLDINGS INC COMMON STOCK USD.0001	33,017	1,652,041	3,323,161
Q32 BIO INC COMMON STOCK USD.0001	383	13,611	1,318
QCR HOLDINGS INC COMMON STOCK USD1.0	831	43,428	67,012
QORVO INC COMMON STOCK USD.0001	57,458	4,581,987	4,018,038
QUAD GRAPHICS INC COMMON STOCK USD.025	186,958	1,890,488	1,303,097
QUAKER CHEMICAL CORPORATION COMMON STOCK USD1.0	628	87,737	88,397
QUALCOMM INC COMMON STOCK USD.0001	726,809	64,196,422	111,652,399
QUALYS INC COMMON STOCK USD.001	2,435	256,724	341,436
QUANEX BUILDING PRODUCTS COMMON STOCK USD.01	2,135	47,879	51,752
QUANTA SERVICES INC COMMON STOCK USD.00001	83,793	6,876,908	26,482,778
QUANTERIX CORP COMMON STOCK USD.001	1,720	58,073	18,284
QUANTUM SI INC COMMON STOCK USD.0001	5,500	15,319	14,850
QUANTUMSCAPE CORP COMMON STOCK USD.0001	160,750	3,625,750	834,293
QUEST DIAGNOSTICS INC COMMON STOCK USD.01	53,540	5,078,690	8,077,044
QUEST RESOURCE HOLDING CORP COMMON STOCK USD.001	434	3,823	2,821
QUICKLOGIC CORP COMMON STOCK USD.001	371	3,858	4,192
QUIDELORTHO CORP COMMON STOCK USD.001	115,222	11,113,233	5,133,140
QUINSTREET INC COMMON STOCK USD.001	2,290	28,650	52,830
QUIPT HOME MEDICAL CORP COMMON STOCK	2,417	11,620	7,372
QXO INC COMMON STOCK USD.00001	112,458	1,328,163	1,788,082
RACKSPACE TECHNOLOGY INC COMMON STOCK USD.01	3,202	43,492	7,076
RADIAN GROUP INC COMMON STOCK USD.001	75,340	1,139,463	2,389,785
RADIANT LOGISTICS INC COMMON STOCK USD.001	1,897	12,036	12,710
RADNET INC COMMON STOCK USD.0001	71,022	2,195,981	4,960,176
RALPH LAUREN CORP COMMON STOCK USD.01	30,611	4,117,515	7,070,529
RAMACO RESOURCES INC A COMMON STOCK	1,403	15,803	14,395
RAMACO RESOURCES INC B COMMON STOCK	678	7,536	6,696
RAMBUS INC COMMON STOCK USD.001	38,531	1,788,910	2,036,749
RANGE RESOURCES CORP COMMON STOCK USD.01	117,700	3,104,479	4,234,846
RANGER ENERGY SERVICES INC COMMON STOCK	56,288	609,104	871,338
RANPAK HOLDINGS CORP COMMON STOCK USD.0001	459,217	3,365,829	3,159,413
RAPID7 INC COMMON STOCK USD.01	2,741	159,125	110,270
RAPPORT THERAPEUTICS INC COMMON STOCK USD.001	257	5,458	4,559
RAPT THERAPEUTICS INC COMMON STOCK	1,326	28,257	2,095
RAYMOND JAMES FINANCIAL INC COMMON STOCK USD.01	96,242	6,122,246	14,949,270
RAYONIER ADVANCED MATERIALS COMMON STOCK USD.01	48,032	222,918	396,264
RAYONIER INC REIT	68,361	2,047,819	1,784,222
RB GLOBAL INC COMMON STOCK	162,754	8,636,216	14,682,038
RBB BANCORP COMMON STOCK	867	22,657	17,765
RBC BEARINGS INC COMMON STOCK USD.01	13,966	2,865,168	4,177,789
RCI HOSPITALITY HOLDINGS INC COMMON STOCK USD.01	350	14,633	20,115
RE/MAX HOLDINGS INC CL A COMMON STOCK USD.0001	10,597	134,903	113,070
READY CAPITAL CORP REIT USD.0001	7,143	116,582	48,715
REALREAL INC/THE COMMON STOCK USD.00001	5,316	18,676	58,104
REALTY INCOME CORP REIT USD1.0	417,731	25,663,879	22,311,013
RECURSION PHARMACEUTICALS A COMMON STOCK USD.00001	11,991	139,666	81,059
RED RIVER BANCSHARES INC COMMON STOCK	6,752	353,255	364,473
RED ROCK RESORTS INC CLASS A COMMON STOCK USD.01	17,268	945,691	798,472
RED VIOLET INC COMMON STOCK USD.001	399	8,711	14,444

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
REDFIN CORP COMMON STOCK	5,647	116,545	44,442
REDWIRE CORP COMMON STOCK USD.0001	617	3,833	10,156
REDWOOD TRUST INC REIT USD.01	412,729	3,286,522	2,695,120
REGAL REXNORD CORP COMMON STOCK USD.01	32,483	3,420,827	5,039,088
REGENCY CENTERS CORP REIT USD.01	86,706	5,683,507	6,410,175
REGENERON PHARMACEUTICALS COMMON STOCK USD.001	68,241	35,397,055	48,610,112
REGENXBIO INC COMMON STOCK USD.0001	1,858	52,315	14,362
REGIONAL MANAGEMENT CORP COMMON STOCK USD.1	18,964	599,211	644,397
REGIONS FINANCIAL CORP COMMON STOCK USD.01	553,517	7,866,437	13,018,720
REGULUS THERAPEUTICS INC COMMON STOCK USD.001	1,749	3,132	2,763
REINSURANCE GROUP OF AMERICA COMMON STOCK USD.01	43,661	5,685,993	9,327,299
REKOR SYSTEMS INC COMMON STOCK USD.0001	1,862	2,901	2,905
RELAY THERAPEUTICS INC COMMON STOCK	75,850	758,842	312,502
RELIANCE STEEL + ALUMINUM COMMON STOCK	25,880	2,349,348	6,968,449
REMITLY GLOBAL INC COMMON STOCK USD.0001	234,987	4,081,349	5,303,657
RENAISSANCERE HOLDINGS LTD COMMON STOCK USD1.0	24,184	3,570,540	6,017,221
RENASANT CORP COMMON STOCK USD5.0	123,982	3,958,916	4,432,357
RENOVARO INC COMMON STOCK	2,985	5,068	2,494
REPAY HOLDINGS CORP COMMON STOCK USD.0001	4,246	90,294	32,397
REPLIGEN CORP COMMON STOCK USD.01	38,564	5,593,355	5,550,902
REPLIMUNE GROUP INC COMMON STOCK USD.001	16,587	156,199	200,869
REPOSITRAK INC COMMON STOCK USD.01	18,030	288,299	399,004
REPUBLIC BANCORP INC CLASS A COMMON STOCK	668	25,712	46,673
REPUBLIC SERVICES INC COMMON STOCK USD.01	99,142	7,461,132	19,945,388
RESERVOIR MEDIA INC COMMON STOCK USD.0001	488	3,127	4,416
RESIDEO TECHNOLOGIES INC COMMON STOCK USD.001	48,436	968,901	1,116,450
RESMED INC COMMON STOCK USD.004	122,555	18,335,897	28,027,103
RESOURCES CONNECTION INC COMMON STOCK USD.01	1,620	29,539	13,819
RETAIL OPPORTUNITY INVESTMEN REIT USD.0001	5,571	89,868	96,713
REV GROUP INC COMMON STOCK USD.001	19,823	381,511	631,759
REVANCE THERAPEUTICS INC COMMON STOCK USD.001	106,976	1,320,674	325,207
REVELYST INC COMMON STOCK	2,591	49,618	49,825
REVOLUTION MEDICINES INC COMMON STOCK	106,667	3,871,211	4,665,615
REVOLVE GROUP INC COMMON STOCK USD.001	1,670	95,458	55,928
REVVITY INC COMMON STOCK USD1.0	58,141	5,356,868	6,489,117
REX AMERICAN RESOURCES CORP COMMON STOCK USD.01	759	19,781	31,643
REXFORD INDUSTRIAL REALTY IN REIT USD.01	118,481	6,031,457	4,580,475
REYNOLDS CONSUMER PRODUCTS I COMMON STOCK USD.001	22,262	624,926	600,851
RGC RESOURCES INC COMMON STOCK USD5.0	201	4,195	4,032
RH COMMON STOCK USD.0001	7,094	4,190,404	2,792,127
RHYTHM PHARMACEUTICALS INC COMMON STOCK	23,386	965,785	1,309,148
RIBBON COMMUNICATIONS INC COMMON STOCK USD.001	4,123	37,322	17,152
RICHARDSON ELEC LTD COMMON STOCK USD.05	351	5,597	4,925
RIGEL PHARMACEUTICALS INC COMMON STOCK USD.001	901	35,756	15,155
RIGETTI COMPUTING INC COMMON STOCK USD.0001	6,861	21,291	104,699
RIGHTS RUMBLEON INC RIGHTS	389	-	33
RILEY EXPLORATION PERMIAN IN COMMON STOCK USD.001	30,751	872,023	981,572
RIMINI STREET INC COMMON STOCK	2,478	14,519	6,616
RING ENERGY INC COMMON STOCK	8,779	20,889	11,939
RINGCENTRAL INC CLASS A COMMON STOCK USD.0001	54,716	4,411,753	1,915,607
RIOT PLATFORMS INC COMMON STOCK	12,705	189,433	129,718
RITHM CAPITAL CORP REIT USD.01	236,007	3,709,710	2,555,956
RIVIAN AUTOMOTIVE INC A COMMON STOCK USD.001	681,830	21,019,469	9,068,339
RLI CORP COMMON STOCK USD1.0	19,293	2,467,326	3,180,065
RLJ LODGING TRUST REIT	102,454	1,492,154	1,046,055
RMR GROUP INC/THE A COMMON STOCK	76,624	2,351,368	1,581,519
ROADZEN INC COMMON STOCK USD.0001	963	2,296	2,099
ROBERT HALF INC COMMON STOCK USD.001	54,924	3,103,776	3,869,945
ROBINHOOD MARKETS INC A COMMON STOCK USD.0001	334,481	3,461,865	12,462,762
ROBLOX CORP CLASS A COMMON STOCK USD.0001	453,171	19,244,971	26,220,474
ROCKET COS INC CLASS A COMMON STOCK USD.00001	73,123	1,283,259	823,365

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ROCKET LAB USA INC COMMON STOCK USD.0001	64,428	1,285,024	1,640,981
ROCKET PHARMACEUTICALS INC COMMON STOCK USD.01	59,368	1,148,217	746,256
ROCKWELL AUTOMATION INC COMMON STOCK USD1.0	54,916	8,871,364	15,694,444
ROCKY BRANDS INC COMMON STOCK	2,567	92,551	58,528
ROGERS CORP COMMON STOCK USD1.0	7,173	917,016	728,849
ROIVANT SCIENCES LTD COMMON STOCK	208,263	2,201,340	2,463,751
ROKU INC COMMON STOCK USD.0001	73,148	7,946,463	5,437,822
ROLLINS INC COMMON STOCK USD1.0	133,724	3,612,695	6,198,107
ROOT INC/OH CLASS A COMMON STOCK USD.0001	456	23,917	33,101
ROPER TECHNOLOGIES INC COMMON STOCK USD.01	51,598	13,714,952	26,823,220
ROSS STORES INC COMMON STOCK USD.01	207,654	19,299,035	31,411,821
ROYAL CARIBBEAN CRUISES LTD COMMON STOCK USD.01	139,382	12,263,891	32,154,034
ROYAL GOLD INC COMMON STOCK USD.01	31,320	2,528,118	4,129,542
ROYALTY PHARMA PLC CL A COMMON STOCK	213,681	9,238,592	5,451,002
RPC INC COMMON STOCK USD.1	3,621	29,849	21,509
RPM INTERNATIONAL INC COMMON STOCK USD.01	60,764	3,602,239	7,477,618
RTX CORP COMMON STOCK USD1.0	740,533	56,459,616	85,694,479
RUMBLEON INC B COMMON STOCK USD.001	389	1,598	2,112
RUSH ENTERPRISES INC CL B COMMON STOCK USD.01	478	13,757	26,022
RUSH ENTERPRISES INC CL A COMMON STOCK USD.01	118,514	3,741,001	6,493,382
RUSH STREET INTERACTIVE INC COMMON STOCK USD.0001	3,336	36,165	45,770
RXO INC COMMON STOCK	103,369	2,230,741	2,464,317
RXSIGHT INC COMMON STOCK USD.001	1,627	38,101	55,936
RYAN SPECIALTY HOLDINGS INC COMMON STOCK USD.001	75,280	3,888,286	4,829,965
RYDER SYSTEM INC COMMON STOCK USD.5	54,831	3,509,357	8,600,791
RYERSON HOLDING CORP COMMON STOCK USD.01	1,402	31,082	25,951
RYMAN HOSPITALITY PROPERTIES REIT USD.01	17,473	1,397,680	1,823,133
S + T BANCORP INC COMMON STOCK USD2.5	1,706	51,314	65,203
S+P GLOBAL INC COMMON STOCK USD1.0	159,185	32,233,576	79,278,906
SABLE OFFSHORE CORP COMMON STOCK USD.0001	2,369	35,891	54,250
SABRA HEALTH CARE REIT INC REIT USD.01	10,655	184,454	184,545
SABRE CORP COMMON STOCK USD.01	16,181	168,658	59,061
SAFE BULKERS INC COMMON STOCK USD.001	4,104	16,906	14,651
SAFEHOLD INC REIT USD.001	116,653	2,462,378	2,155,747
SAFETY INSURANCE GROUP INC COMMON STOCK USD.01	654	44,889	53,890
SAGE THERAPEUTICS INC COMMON STOCK USD.0001	74,494	919,191	404,502
SAIA INC COMMON STOCK USD.001	12,817	3,882,855	5,841,091
SALESFORCE INC COMMON STOCK USD.001	512,919	75,743,256	171,484,209
SALLY BEAUTY HOLDINGS INC COMMON STOCK USD.01	219,224	3,127,380	2,290,891
SAMSARA INC CL A COMMON STOCK USD.0001	359,969	12,016,541	15,727,046
SANA BIOTECHNOLOGY INC COMMON STOCK USD.0001	5,696	87,380	9,284
SANARA MEDTECH INC COMMON STOCK USD.001	105	4,070	3,486
SANDRIDGE ENERGY INC COMMON STOCK USD.001	2,762	39,755	32,343
SANDY SPRING BANCORP INC COMMON STOCK USD1.0	2,012	67,054	67,825
SANMINA CORP COMMON STOCK USD.01	37,195	2,259,700	2,814,546
SAPIENS INTERNATIONAL CORP COMMON STOCK EUR.01	1,311	37,531	35,227
SAREPTA THERAPEUTICS INC COMMON STOCK USD.0001	61,913	6,707,568	7,528,002
SAUL CENTERS INC REIT USD.01	486	21,881	18,857
SAVARA INC COMMON STOCK USD.001	5,665	18,168	17,392
SAVERS VALUE VILLAGE INC COMMON STOCK USD.000001	1,118	22,078	11,460
SBA COMMUNICATIONS CORP REIT USD.01	74,634	15,002,527	15,210,409
SCANSOURCE INC COMMON STOCK	63,355	2,207,449	3,006,195
SCHLUMBERGER LTD COMMON STOCK USD.01	683,811	40,717,754	26,217,314
SCHNEIDER NATIONAL INC CL B COMMON STOCK	21,400	495,247	626,592
SCHNITZER STEEL INDS INC A COMMON STOCK USD1.0	1,096	37,514	16,681
SCHOLAR ROCK HOLDING CORP COMMON STOCK USD.001	89,360	1,761,812	3,862,139
SCHOLASTIC CORP COMMON STOCK USD.01	32,669	1,040,547	696,830
SCHRODINGER INC COMMON STOCK USD.01	2,464	110,055	47,531
SCHWAB (CHARLES) CORP COMMON STOCK USD.01	881,111	45,401,093	65,211,025
SCIENCE APPLICATIONS INTE COMMON STOCK USD.0001	31,157	2,619,243	3,482,729
SCILEX HOLDING CO COMMON STOCK USD.0001	5,049	52,914	2,153

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SCORPIO TANKERS INC COMMON STOCK USD.01	51,312	2,759,191	2,549,693
SCOTTS MIRACLE GRO CO COMMON STOCK USD.01	23,961	1,985,882	1,589,573
SCPHARMACEUTICALS INC COMMON STOCK	1,779	16,598	6,298
SEABOARD CORP COMMON STOCK USD1.0	111	446,397	269,692
SEACOAST BANKING CORP/FL COMMON STOCK USD.1	3,477	86,242	95,722
SEACOR MARINE HOLDINGS INC COMMON STOCK USD.01	1,395	15,753	9,151
SEADRILL LIMITED COMMON STOCK USD.01	3,242	141,308	126,211
SEAGATE TECHNOLOGY HOLDINGS COMMON STOCK USD.00001	54,233	3,412,105	4,680,850
SEALED AIR CORP COMMON STOCK USD.1	154,512	5,998,601	5,227,141
SEAPORT ENTERTAINMENT GROUP COMMON STOCK USD.01	3,797	134,481	106,126
SEAWORLD ENTERTAINMENT INC COMMON STOCK USD.01	3,413	169,978	191,776
SEI INVESTMENTS COMPANY COMMON STOCK USD.01	46,531	2,311,032	3,837,877
SELECT MEDICAL HOLDINGS CORP COMMON STOCK USD.001	56,148	1,024,320	1,058,390
SELECT WATER SOLUTIONS INC COMMON STOCK USD.01	3,825	32,359	50,643
SELECTIVE INSURANCE GROUP COMMON STOCK USD2.0	26,545	1,604,991	2,482,488
SELECTQUOTE INC COMMON STOCK USD.01	6,693	135,140	24,898
SEMLER SCIENTIFIC INC COMMON STOCK USD.001	272	12,300	14,688
SEMPRA COMMON STOCK	305,389	17,997,359	26,788,723
SEMRUSH HOLDINGS INC A COMMON STOCK USD.00001	1,862	16,906	22,121
SEMTECH CORP COMMON STOCK USD.01	152,623	5,646,534	9,439,733
SENECA FOODS CORP CL A COMMON STOCK USD.25	174	6,865	13,791
SENSATA TECHNOLOGIES HOLDING COMMON STOCK EUR.01	71,352	3,067,763	1,955,045
SENSIENT TECHNOLOGIES CORP COMMON STOCK USD.1	1,900	102,737	135,394
SENTINELONE INC CLASS A COMMON STOCK USD.0001	134,514	3,266,040	2,986,211
SEPTERNA INC COMMON STOCK USD.001	33,200	633,382	760,280
SERA PROGNOSTICS INC A COMMON STOCK USD.0001	745	4,416	6,064
SERITAGE GROWTH PROP A COMMON STOCK USD.01	254,700	5,170,753	1,049,364
SERVICE CORP INTERNATIONAL COMMON STOCK USD1.0	68,117	2,554,002	5,437,099
SERVICE PROPERTIES TRUST REIT USD.01	60,759	1,483,527	154,328
SERVICENOW INC COMMON STOCK USD.001	156,111	48,307,175	165,496,393
SERVISFIRST BANCSHARES INC COMMON STOCK USD.001	2,273	110,940	192,614
SES AI CORP COMMON STOCK USD.0001	6,745	14,987	14,772
SEVEN HILLS REALTY TRUST REIT	331	4,230	4,329
SEZZLE INC COMMON STOCK	108	11,183	27,626
SFL CORP LTD COMMON STOCK USD.01	5,549	65,602	56,711
SHAKE SHACK INC CLASS A COMMON STOCK USD.01	1,700	96,281	220,660
SHATTUCK LABS INC COMMON STOCK USD.0001	1,083	4,189	1,310
SHENANDOAH TELECOMMUNICATION COMMON STOCK	2,117	45,216	26,695
SHERWIN WILLIAMS CO/THE COMMON STOCK USD1.0	115,332	16,354,543	39,204,807
SHIFT4 PAYMENTS INC CLASS A COMMON STOCK	71,783	6,308,679	7,449,640
SHOALS TECHNOLOGIES GROUP A COMMON STOCK USD.00001	7,531	172,155	41,646
SHOE CARNIVAL INC COMMON STOCK USD.01	16,022	541,441	530,008
SHORE BANCSHARES INC COMMON STOCK USD.01	33,575	439,529	532,164
SHUTTERSTOCK INC COMMON STOCK USD.01	48,623	2,582,123	1,475,708
SHYFT GROUP INC/THE COMMON STOCK USD.01	1,543	30,301	18,115
SI BONE INC COMMON STOCK USD.0001	1,911	36,325	26,792
SIERRA BANCORP COMMON STOCK	25,200	612,345	728,784
SIGA TECHNOLOGIES INC COMMON STOCK USD.0001	266,484	2,252,806	1,601,569
SIGHT SCIENCES INC COMMON STOCK USD.001	1,378	21,422	5,016
SIGNET JEWELERS LTD COMMON STOCK USD.18	10,672	771,875	861,337
SILGAN HOLDINGS INC COMMON STOCK USD.01	61,689	2,332,642	3,210,912
SILICON LABORATORIES INC COMMON STOCK USD.0001	1,457	134,674	180,989
SILVACO GROUP INC COMMON STOCK USD.0001	165	2,470	1,333
SILVERCREST ASSET MANAGEME A COMMON STOCK USD.01	11,394	184,545	209,536
SIMMONS FIRST NATL CORP CL A COMMON STOCK USD.01	107,117	2,267,018	2,375,855
SIMON PROPERTY GROUP INC REIT USD.0001	252,960	40,006,041	43,562,242
SIMPLY GOOD FOODS CO/THE COMMON STOCK USD.0001	4,064	105,595	158,415
SIMPSON MANUFACTURING CO INC COMMON STOCK USD.01	20,999	3,439,261	3,482,264
SIMULATIONS PLUS INC COMMON STOCK USD.001	748	27,531	20,862
SINCLAIR INC COMMON STOCK USD.01	1,573	33,926	25,388
SIRIUS XM HOLDINGS INC COMMON STOCK USD.001	197,810	7,198,622	4,510,068

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SIRIUSPOINT LTD COMMON STOCK USD.1	15,428	134,681	252,865
SITE CENTERS CORP REIT USD.1	2,190	133,562	33,485
SITEONE LANDSCAPE SUPPLY INC COMMON STOCK USD.01	20,945	3,410,650	2,759,923
SITIME CORP COMMON STOCK USD.0001	16,460	2,482,411	3,531,164
SITIO ROYALTIES CORP A COMMON STOCK USD.0001	4,423	94,251	84,833
SIX FLAGS ENTERTAINMENT CORP COMMON STOCK USD.025	49,423	1,901,483	2,381,694
SIW GROUP COMMON STOCK USD.001	1,494	88,703	73,535
SKECHERS USA INC CL A COMMON STOCK USD.001	115,185	4,829,212	7,745,039
SKY HARBOUR GROUP CORP COMMON STOCK USD.0001	282	2,611	3,364
SKYE BIOSCIENCE INC COMMON STOCK	458	3,672	1,296
SKYLINE CHAMPION CORP COMMON STOCK USD.028	2,395	96,110	211,000
SKYWARD SPECIALTY INSURANCE COMMON STOCK USD.01	81,443	2,626,741	4,116,129
SKYWATER TECHNOLOGY INC COMMON STOCK USD.01	1,087	20,120	15,001
SKYWEST INC COMMON STOCK	12,302	1,006,224	1,231,799
SKYWORKS SOLUTIONS INC COMMON STOCK USD.25	92,790	8,463,566	8,228,617
SL GREEN REALTY CORP REIT USD.01	3,221	171,266	218,770
SLEEP NUMBER CORP COMMON STOCK USD.01	25,348	2,305,704	386,304
SLM CORP COMMON STOCK USD.2	349,871	4,412,215	9,649,442
SM ENERGY CO COMMON STOCK USD.01	86,475	3,469,482	3,351,771
SMART GLOBAL HOLDINGS INC COMMON STOCK USD.01	105,970	2,564,319	2,033,564
SMARTFINANCIAL INC COMMON STOCK USD1.0	26,753	735,401	828,808
SMARTRENT INC COMMON STOCK USD.0001	8,134	36,697	14,235
SMARTSHEET INC CLASS A COMMON STOCK	216,387	9,997,981	12,124,164
SMITH (A.O.) CORP COMMON STOCK USD1.0	58,956	2,888,056	4,021,389
SMITH + WESSON BRANDS INC COMMON STOCK USD.001	1,873	19,043	18,927
SMITH DOUGLAS HOMES CORP COMMON STOCK USD.0001	43,260	1,161,513	1,109,186
SMITH MIDLAND CORP COMMON STOCK USD.01	124	3,434	5,513
SNAP INC A COMMON STOCK USD.00001	47,512	469,440	511,704
SNAP ON INC COMMON STOCK USD1.0	29,453	4,870,477	9,998,704
SNOWFLAKE INC CLASS A COMMON STOCK	222,068	49,300,914	34,289,520
SOFI TECHNOLOGIES INC COMMON STOCK USD.0001	508,444	3,428,467	7,830,038
SOLARIS OILFIELD INFRAST A COMMON STOCK USD.01	1,256	13,058	36,148
SOLARMAX TECHNOLOGY INC COMMON STOCK USD.001	625	1,314	1,013
SOLARWINDS CORP COMMON STOCK USD.001	30,956	506,593	441,123
SOLENO THERAPEUTICS INC COMMON STOCK USD.001	13,807	579,546	620,625
SOLID BIOSCIENCES INC COMMON STOCK USD.001	615	3,492	2,460
SOLID POWER INC COMMON STOCK USD.0001	7,209	41,319	13,625
SOLO BRANDS INC CLASS A COMMON STOCK USD.001	1,469	12,214	1,675
SOLVENTUM CORP COMMON STOCK	116,386	10,668,475	7,688,459
SONIC AUTOMOTIVE INC CLASS A COMMON STOCK USD.01	61,428	2,593,117	3,891,464
SONIDA SENIOR LIVING INC COMMON STOCK USD.01	127	3,357	2,931
SONOCO PRODUCTS CO COMMON STOCK	47,696	2,512,962	2,329,950
SONOS INC COMMON STOCK USD.001	5,548	123,491	83,442
SOTERA HEALTH CO COMMON STOCK USD.01	64,443	1,397,038	881,580
SOUNDHOUND AI INC A COMMON STOCK USD.0001	14,084	70,534	279,427
SOUNDTHINKING INC COMMON STOCK	471	15,949	6,151
SOUTH PLAINS FINANCIAL INC COMMON STOCK USD1.0	24,406	675,847	848,109
SOUTHERN CO/THE COMMON STOCK USD5.0	664,888	37,425,214	54,733,580
SOUTHERN COPPER CORP COMMON STOCK USD.01	55,611	2,214,914	5,067,830
SOUTHERN FIRST BANCSHARES COMMON STOCK USD.01	393	14,685	15,622
SOUTHERN MISSOURI BANCORP COMMON STOCK USD.01	9,453	475,192	542,319
SOUTHERN STATES BANCSHARES COMMON STOCK USD5.0	11,433	316,455	380,833
SOUTHLAND HOLDINGS INC COMMON STOCK USD.0001	236	1,083	767
SOUTHSIDE BANCSHARES INC COMMON STOCK USD1.25	1,318	35,645	41,860
SOUTHSTATE CORP COMMON STOCK USD2.5	26,961	2,002,448	2,682,080
SOUTHWEST AIRLINES CO COMMON STOCK USD1.0	287,016	12,996,626	9,649,478
SOUTHWEST GAS HOLDINGS INC COMMON STOCK	33,950	2,227,456	2,400,605
SPARTANNASH CO COMMON STOCK	1,486	32,587	27,224
SPECTRUM BRANDS HOLDINGS INC COMMON STOCK USD.01	21,448	1,759,989	1,812,142
SPHERE ENTERTAINMENT CO COMMON STOCK USD.01	1,215	31,278	48,989
SPIRE GLOBAL INC COMMON STOCK	606	6,574	8,526

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SPIRE INC COMMON STOCK USD1.0	2,595	161,879	176,019
SPIRIT AEROSYSTEMS HOLD CL A COMMON STOCK USD.01	54,403	3,147,096	1,854,054
SPOK HOLDINGS INC COMMON STOCK USD.0001	1,054	13,791	16,917
SPOTIFY TECHNOLOGY SA COMMON STOCK EUR.000625	207,384	64,172,180	92,779,454
SPRINGWORKS THERAPEUTICS INC COMMON STOCK USD.0001	42,261	1,125,346	1,526,890
SPRINKLR INC A COMMON STOCK USD.00003	5,242	67,856	44,295
SPROUT SOCIAL INC CLASS A COMMON STOCK USD.0001	130,704	4,160,359	4,013,920
SPROUTS FARMERS MARKET INC COMMON STOCK USD.0001	4,903	177,843	623,024
SPS COMMERCE INC COMMON STOCK USD.001	10,065	1,671,148	1,851,859
SPX TECHNOLOGIES INC COMMON STOCK USD.01	24,385	1,251,539	3,548,505
SPYRE THERAPEUTICS INC COMMON STOCK USD.0001	20,661	570,335	480,988
SS+C TECHNOLOGIES HOLDINGS COMMON STOCK USD.01	112,882	5,759,132	8,554,198
SSR MINING INC COMMON STOCK	171,932	861,117	1,196,647
ST JOE CO/THE COMMON STOCK	1,620	54,263	72,787
STAAR SURGICAL CO COMMON STOCK USD.01	2,209	90,888	53,657
STAG INDUSTRIAL INC REIT USD.01	140,300	4,803,432	4,744,946
STAGWELL INC COMMON STOCK USD.00001	1,334,278	6,625,987	8,779,549
STANDARD BIOTOOLS INC COMMON STOCK USD.001	13,535	24,065	23,686
STANDARD MOTOR PRODS COMMON STOCK USD2.0	921	30,243	28,533
STANDARDAERO INC COMMON STOCK USD.01	33,249	867,067	823,245
STANDEX INTERNATIONAL CORP COMMON STOCK USD1.5	7,680	963,829	1,436,083
STANLEY BLACK + DECKER INC COMMON STOCK USD2.5	92,408	10,834,327	7,419,438
STAR HOLDINGS COMMON STOCK	628	10,156	6,110
STARBUCKS CORP COMMON STOCK USD.001	546,136	33,768,214	49,834,910
STARWOOD PROPERTY TRUST INC REIT USD.01	147,841	3,311,504	2,801,587
STATE STREET CORP COMMON STOCK USD1.0	246,712	17,660,119	24,214,783
STEEL DYNAMICS INC COMMON STOCK USD.005	115,632	4,258,961	13,190,142
STEELCASE INC CL A COMMON STOCK	85,973	1,002,208	1,016,201
STELLAR BANCORP INC COMMON STOCK USD.01	2,121	57,502	60,130
STEM INC COMMON STOCK USD.0001	6,604	109,588	3,982
STEPAN CO COMMON STOCK USD1.0	965	75,635	62,436
STEPSTONE GROUP INC CLASS A COMMON STOCK USD.001	49,583	1,533,237	2,869,864
STEREOTAXIS INC COMMON STOCK USD.001	1,458	2,665	3,324
STERIS PLC COMMON STOCK USD75.0	51,110	7,262,553	10,506,172
STERLING BANCORP INC/MI COMMON STOCK	613	3,507	2,918
STERLING INFRASTRUCTURE INC COMMON STOCK USD.01	1,400	42,468	235,830
STEVEN MADDEN LTD COMMON STOCK USD.0001	3,373	83,963	143,420
STEWART INFORMATION SERVICES COMMON STOCK USD1.0	1,191	46,148	80,381
STIFEL FINANCIAL CORP COMMON STOCK USD.15	139,270	8,029,643	14,773,762
STITCH FIX INC CLASS A COMMON STOCK USD.00002	4,195	79,155	18,080
STOCK YARDS BANCORP INC COMMON STOCK	1,228	54,277	87,937
STOKE THERAPEUTICS INC COMMON STOCK	1,319	26,804	14,549
STONECO LTD A COMMON STOCK USD.000079365	53,161	773,695	423,693
STONERIDGE INC COMMON STOCK	183,138	3,399,743	1,148,275
STONEX GROUP INC COMMON STOCK USD.01	16,798	1,145,182	1,645,700
STRATEGIC EDUCATION INC COMMON STOCK USD.01	1,013	88,280	94,634
STRATUS PROPERTIES INC COMMON STOCK USD.01	173	4,750	3,591
STRAWBERRY FIELDS REIT INC COMMON STOCK USD.0001	140	1,599	1,476
STRIDE INC COMMON STOCK USD.0001	99,901	2,442,023	10,382,711
STRYKER CORP COMMON STOCK USD.1	246,645	50,650,360	88,804,532
STURM RUGER + CO INC COMMON STOCK USD1.0	728	36,188	25,749
SUMMIT HOTEL PROPERTIES INC REIT	167,395	1,066,496	1,146,656
SUMMIT MATERIALS INC CL A COMMON STOCK USD.01	23,645	826,187	1,196,437
SUMMIT THERAPEUTICS INC COMMON STOCK	4,099	13,317	73,147
SUN COMMUNITIES INC REIT USD.01	60,050	7,236,894	7,384,349
SUN COUNTRY AIRLINES HOLDING COMMON STOCK USD.01	47,503	722,329	692,594
SUNCOKE ENERGY INC COMMON STOCK USD.01	4,582	38,405	49,027
SUNNOVA ENERGY INTERNATIONAL COMMON STOCK USD.001	4,688	96,119	16,080
SUNOPTA INC COMMON STOCK	4,018	31,305	30,939
SUNRISE REALTY TRUST INC REIT USD.0001	383	3,819	5,393
SUNRUN INC COMMON STOCK USD.0001	9,700	181,298	89,725

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SUNSTONE HOTEL INVESTORS INC REIT USD.01	9,311	119,099	110,242
SUPER GROUP SGHC LTD COMMON STOCK	6,516	24,608	40,595
SUPER MICRO COMPUTER INC COMMON STOCK USD.001	237,743	18,859,088	7,246,407
SUPERIOR GROUP OF COS INC COMMON STOCK	356	6,735	5,885
SUPERNUS PHARMACEUTICALS INC COMMON STOCK USD.001	111,366	2,951,274	4,026,995
SURGERY PARTNERS INC COMMON STOCK USD.01	27,222	856,456	576,290
SURMODICS INC COMMON STOCK USD.05	679	23,318	26,888
SUTRO BIOPHARMA INC COMMON STOCK USD.001	3,140	30,546	5,778
SWEETGREEN INC CLASS A COMMON STOCK USD.001	198,102	4,755,180	6,351,150
SWK HOLDINGS CORP COMMON STOCK USD.001	4,707	83,593	74,653
SYLVAMO CORP COMMON STOCK USD1.0	43,888	2,311,918	3,468,030
SYMBOTIC INC COMMON STOCK USD.0001	117,201	4,726,346	2,778,836
SYNAPTICS INC COMMON STOCK USD.001	32,069	2,598,778	2,447,506
SYNCHRONY FINANCIAL COMMON STOCK USD.001	226,001	7,357,129	14,690,065
SYNDAX PHARMACEUTICALS INC COMMON STOCK USD.0001	18,420	374,429	243,512
SYNOPSIS INC COMMON STOCK USD.01	99,715	20,845,844	48,397,672
SYNOVUS FINANCIAL CORP COMMON STOCK USD1.0	118,311	3,858,208	6,061,073
SYSCO CORP COMMON STOCK USD1.0	236,401	14,692,053	18,075,220
SYSTEM1 INC COMMON STOCK USD.0001	726	3,527	652
T MOBILE US INC COMMON STOCK USD.0001	239,598	21,391,303	52,886,467
T ROWE PRICE GROUP INC COMMON STOCK USD.2	106,014	9,360,825	11,989,123
TACTILE SYSTEMS TECHNOLOGY I COMMON STOCK USD.001	48,147	628,151	824,758
TAKE TWO INTERACTIVE SOFTWARE COMMON STOCK USD.01	82,874	9,288,970	15,255,446
TALKSPACE INC COMMON STOCK USD.0001	6,494	17,731	20,066
TALOS ENERGY INC COMMON STOCK	199,788	3,039,419	1,939,941
TANDEM DIABETES CARE INC COMMON STOCK	127,584	3,783,875	4,595,576
TANGER INC REIT USD.01	52,767	1,725,847	1,800,938
TANGO THERAPEUTICS INC COMMON STOCK USD.0001	2,142	10,617	6,619
TAPESTRY INC COMMON STOCK USD.01	130,207	5,024,999	8,506,423
TARGA RESOURCES CORP COMMON STOCK USD.001	129,872	8,646,938	23,182,152
TARGET CORP COMMON STOCK USD.0833	236,004	21,065,100	31,903,021
TARGET HOSPITALITY CORP COMMON STOCK USD.0001	1,703	16,616	16,460
TARSUS PHARMACEUTICALS INC COMMON STOCK USD.0001	1,635	36,011	90,530
TAYLOR DEVICES INC COMMON STOCK USD.025	82	3,620	3,413
TAYLOR MORRISON HOME CORP COMMON STOCK USD.00001	100,578	4,416,726	6,156,379
TAYSHA GENE THERAPIES INC COMMON STOCK USD.00001	8,247	18,508	14,267
TD SYNnex CORP COMMON STOCK USD.001	52,525	4,728,396	6,160,132
TECHNIPFMC PLC COMMON STOCK USD1.0	255,532	4,713,655	7,395,096
TECHTARGET INC COMMON STOCK USD.001	103,358	3,391,231	2,048,556
TECNOGLASS INC COMMON STOCK USD.0001	19,698	1,176,031	1,562,445
TEEKAY CORP LTD COMMON STOCK USD.001	139,854	955,516	969,188
TEEKAY TANKERS LTD CLASS A COMMON STOCK USD.01	27,002	1,051,887	1,074,410
TEGNA INC COMMON STOCK USD1.0	106,911	1,755,617	1,955,402
TEJON RANCH CO COMMON STOCK USD.5	1,177	23,812	18,714
TELADOC HEALTH INC COMMON STOCK USD.001	7,551	261,606	68,639
TELEDYNE TECHNOLOGIES INC COMMON STOCK USD.01	22,286	5,688,664	10,343,601
TELEFLEX INC COMMON STOCK USD1.0	22,487	4,919,201	4,002,236
TELEPHONE AND DATA SYSTEMS COMMON STOCK USD.01	45,628	1,026,884	1,556,371
TELOMIR PHARMACEUTICALS INC COMMON STOCK	480	2,423	1,978
TELOS CORPORATION COMMON STOCK USD.001	1,534	6,179	5,246
TEMPUR SEALY INTERNATIONAL I COMMON STOCK USD.01	82,024	980,705	4,649,941
TENABLE HOLDINGS INC COMMON STOCK USD.01	26,106	1,098,421	1,028,054
TENAYA THERAPEUTICS INC COMMON STOCK USD.0001	2,029	20,834	2,901
TENET HEALTHCARE CORP COMMON STOCK USD.05	71,154	5,923,645	8,981,769
TENNANT CO COMMON STOCK USD.375	10,845	937,024	884,193
TERADATA CORP COMMON STOCK USD.01	209,400	7,910,471	6,522,810
TERADYNE INC COMMON STOCK USD.125	74,062	3,468,405	9,325,887
TERAWULF INC COMMON STOCK	98,196	570,967	555,789
TEREX CORP COMMON STOCK USD.01	23,875	1,433,517	1,103,503
TERNS PHARMACEUTICALS INC COMMON STOCK USD.0001	16,183	119,614	89,654
TERRENO REALTY CORP REIT USD.01	74,187	4,654,791	4,387,419

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
TESLA INC COMMON STOCK USD.001	1,656,844	179,790,933	669,099,881
TETRA TECH INC COMMON STOCK USD.01	139,055	3,753,552	5,539,951
TETRA TECHNOLOGIES INC COMMON STOCK USD.01	5,713	22,002	20,453
TEVOGEN BIO HOLDINGS INC COMMON STOCK USD.0001	861	630	887
TEXAS CAPITAL BANCSHARES INC COMMON STOCK USD.01	17,776	1,437,861	1,390,083
TEXAS INSTRUMENTS INC COMMON STOCK USD1.0	553,432	58,246,035	103,774,034
TEXAS PACIFIC LAND CORP COMMON STOCK USD.01	8,960	4,662,778	9,909,402
TEXAS ROADHOUSE INC COMMON STOCK USD.001	87,486	12,583,513	15,785,099
TEXTRON INC COMMON STOCK USD.125	188,645	11,132,574	14,429,456
TFS FINANCIAL CORP COMMON STOCK USD.01	32,652	557,237	410,109
TG THERAPEUTICS INC COMMON STOCK USD.001	60,569	1,044,715	1,823,127
THE CIGNA GROUP COMMON STOCK USD.01	165,819	32,791,649	45,789,259
THERAVANCE BIOPHARMA INC COMMON STOCK USD.00001	1,816	31,024	17,089
THERMO FISHER SCIENTIFIC INC COMMON STOCK USD1.0	240,498	72,587,323	125,114,275
THERMON GROUP HOLDINGS INC COMMON STOCK USD.001	1,835	39,593	52,793
THIRD COAST BANCSHARES INC COMMON STOCK USD1.0	28,311	672,939	961,158
THIRD HARMONIC BIO INC COMMON STOCK USD.0001	1,197	12,419	12,317
THOR INDUSTRIES INC COMMON STOCK USD.1	25,376	2,026,911	2,428,737
THREDUP INC CLASS A COMMON STOCK USD.0001	4,624	13,684	6,427
THRYV HOLDINGS INC COMMON STOCK	148,399	2,776,380	2,196,305
TIDEWATER INC COMMON STOCK	2,268	70,835	124,082
TILE SHOP HLDGS INC COMMON STOCK USD.0001	59,532	404,788	412,557
TILLY S INC CLASS A SHRS COMMON STOCK USD.001	913	11,879	3,880
TIMBERLAND BANCORP INC COMMON STOCK USD.01	508	12,961	15,499
TIMKEN CO COMMON STOCK	109,652	6,771,208	7,825,863
TIMKENSTEEL CORP COMMON STOCK	1,952	22,181	27,582
TIPTREE INC COMMON STOCK USD.001	1,295	12,427	27,014
TITAN INTERNATIONAL INC COMMON STOCK	2,079	19,400	14,116
TITAN MACHINERY INC COMMON STOCK USD.00001	152,210	3,798,557	2,150,727
TJX COMPANIES INC COMMON STOCK USD1.0	620,219	34,459,757	74,928,657
TKO GROUP HOLDINGS INC COMMON STOCK USD.00001	108,911	7,269,496	15,477,342
TOAST INC CLASS A COMMON STOCK USD.000001	345,796	7,066,815	12,604,264
TOLL BROTHERS INC COMMON STOCK USD.01	120,302	7,396,812	15,152,037
TOMPKINS FINANCIAL CORP COMMON STOCK USD.1	597	42,399	40,495
TOPBUILD CORP COMMON STOCK	16,174	3,143,197	5,035,613
TOPCO EQUITY 4(A)(2) SHARES	349	-	-
TOPGOLF CALLAWAY BRANDS CORP COMMON STOCK USD.01	6,391	123,827	50,233
TORO CO COMMON STOCK USD1.0	48,714	2,947,495	3,901,991
TORRID HOLDINGS INC COMMON STOCK USD.01	536	4,301	2,803
TOURMALINE BIO INC COMMON STOCK USD.0001	1,273	16,381	25,816
TOWNE BANK COMMON STOCK USD1.667	36,053	1,195,901	1,227,965
TOWNSQUARE MEDIA INC CL A COMMON STOCK USD.01	266	2,967	2,418
TPG INC COMMON STOCK	44,564	1,429,642	2,800,402
TPG RE FINANCE TRUST INC REIT USD.001	2,990	46,028	25,415
TPI COMPOSITES INC COMMON STOCK USD.01	2,078	39,562	3,927
TRACTOR SUPPLY COMPANY COMMON STOCK USD.008	258,485	4,663,257	13,715,214
TRADE DESK INC/THE CLASS A COMMON STOCK USD.000001	469,316	16,449,661	55,158,709
TRADEWEB MARKETS INC CLASS A COMMON STOCK USD.01	60,486	4,144,386	7,918,827
TRAEGER INC COMMON STOCK	1,364	23,016	3,260
TRANE TECHNOLOGIES PLC COMMON STOCK USD1.0	195,532	28,384,360	72,219,744
TRANSCAT INC COMMON STOCK USD.5	415	26,528	43,882
TRANSCONTINENTAL REALTY INV REIT USD.01	58	2,318	1,729
TRANSDIGM GROUP INC COMMON STOCK USD.01	31,590	16,785,240	40,033,375
TRANSMEDICS GROUP INC COMMON STOCK	8,785	594,555	547,745
TRANSUNION COMMON STOCK USD.01	94,165	5,858,832	8,730,037
TRAVEL LEISURE CO COMMON STOCK USD.01	55,961	2,230,768	2,823,232
TRAVELERS COS INC/THE COMMON STOCK NPV	158,024	23,873,601	38,066,401
TRAVERE THERAPEUTICS INC COMMON STOCK USD.0001	3,593	75,936	62,590
TREACE MEDICAL CONCEPTS INC COMMON STOCK USD.001	2,106	43,122	15,669
TREDEGAR CORP COMMON STOCK	1,548	19,329	11,889
TREEHOUSE FOODS INC COMMON STOCK USD.01	2,221	103,075	78,024

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
TREVI THERAPEUTICS INC COMMON STOCK	1,615	4,541	6,654
TREX COMPANY INC COMMON STOCK USD.01	51,825	3,421,574	3,577,480
TRI POINTE HOMES INC COMMON STOCK USD.01	75,833	2,972,014	2,749,705
TRICO BANCSHARES COMMON STOCK	32,070	1,118,211	1,401,459
TRIMAS CORP COMMON STOCK USD.01	1,860	56,497	45,737
TRIMBLE INC COMMON STOCK USD.001	116,600	4,539,968	8,238,956
TRINET GROUP INC COMMON STOCK USD.000025	14,644	1,318,625	1,329,236
TRINITY INDUSTRIES INC COMMON STOCK USD.01	3,679	83,289	129,133
TRIPADVISOR INC COMMON STOCK USD.001	55,414	2,606,066	818,465
TRIUMPH FINANCIAL INC COMMON STOCK USD.01	19,618	825,665	1,782,884
TRIUMPH GROUP INC COMMON STOCK USD.001	3,538	72,661	66,019
TRONOX HOLDINGS PLC COMMON STOCK USD.01	46,350	697,827	466,745
TRUEBLUE INC COMMON STOCK	1,287	30,563	10,811
TRUECAR INC COMMON STOCK USD.0001	3,252	24,445	12,130
TRUIST FINANCIAL CORP COMMON STOCK USD5.0	874,292	37,359,100	37,926,787
TRUMP MEDIA + TECHNOLOGY GRO COMMON STOCK USD.0001	35,822	1,187,646	1,221,530
TRUPANION INC COMMON STOCK USD.00001	1,595	83,615	76,879
TRUSTCO BANK CORP NY COMMON STOCK USD1.0	24,782	814,451	825,488
TRUSTMARK CORP COMMON STOCK	2,671	61,973	94,473
TSCAN THERAPEUTICS INC COMMON STOCK USD.0001	2,356	15,198	7,162
TTEC HOLDINGS INC COMMON STOCK USD.01	896	30,868	4,471
TTM TECHNOLOGIES COMMON STOCK USD.001	132,784	2,251,088	3,286,404
TUCOWS INC CLASS A COMMON STOCK	301	18,381	5,159
TURNING POINT BRANDS INC COMMON STOCK USD.01	755	24,401	45,376
TURTLE BEACH CORP COMMON STOCK	782	11,216	13,536
TUTOR PERINI CORP COMMON STOCK USD1.0	30,271	666,328	732,558
TWFG INC COMMON STOCK USD.01	24,388	414,596	751,150
TWILIO INC A COMMON STOCK USD.001	73,567	10,336,755	7,951,121
TWIN DISC INC COMMON STOCK	1,283	16,945	15,075
TWIST BIOSCIENCE CORP COMMON STOCK USD.00001	11,785	601,062	547,649
TWO HARBORS INVESTMENT CORP REIT CNY1.0	4,780	142,538	56,547
TYLER TECHNOLOGIES INC COMMON STOCK USD.01	22,821	5,982,168	13,159,501
TYRA BIOSCIENCES INC COMMON STOCK USD.0001	983	14,822	13,664
TYSON FOODS INC CL A COMMON STOCK USD.1	179,314	11,544,574	10,299,796
U HAUL HOLDING CO COMMON STOCK USD.25	5,421	218,221	374,537
U HAUL HOLDING CO NON VOTING COMMON STOCK	138,191	7,323,450	8,851,134
U.S. PHYSICAL THERAPY INC COMMON STOCK USD.01	714	54,439	63,339
UBER TECHNOLOGIES INC COMMON STOCK USD.00001	1,528,551	62,084,905	92,202,196
UBIQUITI INC COMMON STOCK USD.001	1,637	134,243	543,369
UDEMAY INC COMMON STOCK USD.00001	4,284	51,840	35,257
UDR INC REIT USD.01	154,710	6,302,145	6,715,961
UFP INDUSTRIES INC COMMON STOCK	16,885	1,325,946	1,902,095
UFP TECHNOLOGIES INC COMMON STOCK USD.01	324	21,077	79,221
UGI CORP COMMON STOCK	139,931	6,359,634	3,950,252
UIPATH INC CLASS A COMMON STOCK USD.00001	217,368	4,603,317	2,762,747
ULTA BEAUTY INC COMMON STOCK	22,759	6,291,239	9,898,572
ULTRA CLEAN HOLDINGS INC COMMON STOCK USD.001	2,024	49,674	72,763
ULTRAGENYX PHARMACEUTICAL IN COMMON STOCK USD.001	198,560	10,079,948	8,353,419
ULTRALIFE CORP COMMON STOCK USD.1	269	2,859	2,004
UMB FINANCIAL CORP COMMON STOCK USD1.0	47,993	4,497,413	5,416,490
UMH PROPERTIES INC REIT USD.1	3,540	63,161	66,835
UNDER ARMOUR INC CLASS A COMMON STOCK USD.000333	78,691	1,598,212	651,561
UNDER ARMOUR INC CLASS C COMMON STOCK USD.000333	102,876	1,727,646	767,455
UNIFIRST CORP/MA COMMON STOCK USD.1	684	91,399	117,026
UNION PACIFIC CORP COMMON STOCK USD2.5	315,436	42,435,176	71,932,025
UNISYS CORP COMMON STOCK USD.01	131,174	796,090	830,331
UNITED AIRLINES HOLDINGS INC COMMON STOCK USD.01	182,457	10,688,609	17,716,575
UNITED BANKSHARES INC COMMON STOCK USD2.5	5,892	176,666	221,245
UNITED COMMUNITY BANKS/GA COMMON STOCK USD1.0	83,370	2,046,477	2,693,685
UNITED FIRE GROUP INC COMMON STOCK USD.001	15,749	358,256	448,059
UNITED HOMES GROUP INC COMMON STOCK USD.0001	152	1,749	643

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
UNITED NATURAL FOODS INC COMMON STOCK USD.01	2,640	67,061	72,098
UNITED PARCEL SERVICE CL B COMMON STOCK USD.01	455,975	59,335,997	57,498,448
UNITED RENTALS INC COMMON STOCK USD.01	34,309	5,232,099	24,168,632
UNITED STATES LIME + MINERAL COMMON STOCK USD.1	540	14,823	71,680
UNITED STATES STEEL CORP COMMON STOCK USD1.0	107,087	2,497,877	3,639,887
UNITED THERAPEUTICS CORP COMMON STOCK USD.01	37,968	6,886,081	13,396,629
UNITEDHEALTH GROUP INC COMMON STOCK USD.01	546,868	140,242,652	276,638,646
UNITI GROUP INC REIT USD.0001	67,331	888,842	370,321
UNITIL CORP COMMON STOCK	9,822	458,851	532,254
UNITY BANCORP INC COMMON STOCK	3,099	84,355	135,147
UNITY SOFTWARE INC COMMON STOCK USD.000005	148,687	11,377,092	3,340,997
UNIVERSAL CORP/VA COMMON STOCK	1,079	56,132	59,172
UNIVERSAL DISPLAY CORP COMMON STOCK USD.01	28,654	3,372,582	4,189,215
UNIVERSAL HEALTH RLTY INCOME REIT USD.01	575	26,818	21,396
UNIVERSAL HEALTH SERVICES B COMMON STOCK USD.01	42,502	5,675,233	7,625,709
UNIVERSAL INSURANCE HOLDINGS COMMON STOCK USD.01	1,387	23,115	29,210
UNIVERSAL LOGISTICS HOLDINGS COMMON STOCK	3,890	89,267	178,707
UNIVERSAL STAINLESS + ALLOY COMMON STOCK USD.001	503	16,788	22,147
UNIVERSAL TECHNICAL INSTITUT COMMON STOCK USD.0001	2,007	20,601	51,600
UNIVEST FINANCIAL CORP COMMON STOCK USD5.0	40,056	894,902	1,182,053
UNUM GROUP COMMON STOCK USD.1	162,337	6,573,102	11,855,471
UPBOUND GROUP INC COMMON STOCK USD.01	2,329	68,459	67,937
UPSTART HOLDINGS INC COMMON STOCK USD.0001	3,638	282,397	223,992
UPSTREAM BIO INC COMMON STOCK USD.001	1,041	17,152	17,114
UPWORK INC COMMON STOCK USD.0001	5,561	124,857	90,922
URANIUM ENERGY CORP COMMON STOCK USD.001	18,478	56,933	123,618
URBAN EDGE PROPERTIES REIT USD.01	6,137	107,941	131,946
URBAN OUTFITTERS INC COMMON STOCK USD.0001	78,611	2,418,847	4,314,172
UROGEN PHARMA LTD COMMON STOCK USD.01	1,667	21,296	17,754
US BANCORP COMMON STOCK USD.01	1,042,771	47,792,536	49,875,737
US FOODS HOLDING CORP COMMON STOCK USD.01	128,865	4,219,774	8,693,233
USANA HEALTH SCIENCES INC COMMON STOCK USD.001	513	37,140	18,412
USCB FINANCIAL HOLDINGS INC COMMON STOCK	310	3,850	5,503
UTAH MEDICAL PRODUCTS INC COMMON STOCK USD.01	137	10,799	8,421
UTZ BRANDS INC COMMON STOCK USD.0001	55,748	963,645	873,014
UWM HOLDINGS CORP COMMON STOCK USD.0001	51,515	360,768	302,393
V2X INC COMMON STOCK USD.01	63,420	3,036,455	3,033,379
VAALCO ENERGY INC COMMON STOCK USD.1	147,590	666,656	644,968
VACASA INC CL A COMMON STOCK USD.00001	272	1,327	1,333
VAIL RESORTS INC COMMON STOCK USD.01	30,101	5,585,644	5,642,432
VALARIS LTD COMMON STOCK USD.01	2,803	130,647	124,005
VALERO ENERGY CORP COMMON STOCK USD.01	214,399	17,919,926	26,283,173
VALHI INC COMMON STOCK USD.01	5,762	152,297	134,773
VALLEY NATIONAL BANCORP COMMON STOCK	230,164	2,055,493	2,085,286
VALMONT INDUSTRIES COMMON STOCK USD1.0	14,372	2,924,976	4,407,461
VALUE LINE INC COMMON STOCK USD.1	28	1,488	1,478
VALVOLINE INC COMMON STOCK USD.01	91,464	2,526,829	3,309,168
VANDA PHARMACEUTICALS INC COMMON STOCK USD.001	61,545	383,955	294,801
VAREX IMAGING CORP COMMON STOCK USD.01	1,576	29,735	22,994
VARONIS SYSTEMS INC COMMON STOCK USD.001	99,690	4,253,889	4,429,227
VAXCYTE INC COMMON STOCK USD.001	44,614	2,735,744	3,652,102
VEECO INSTRUMENTS INC COMMON STOCK USD.01	2,424	57,126	64,963
VEEVA SYSTEMS INC CLASS A COMMON STOCK USD.00001	146,652	25,505,624	30,833,583
VELOCITY FINANCIAL INC COMMON STOCK	719	12,190	14,064
VENTAS INC REIT USD.25	296,296	17,046,118	17,448,871
VENTYX BIOSCIENCES INC COMMON STOCK USD.0001	2,448	49,155	5,361
VERA BRADLEY INC COMMON STOCK	722	4,600	2,837
VERA THERAPEUTICS INC COMMON STOCK USD.001	2,122	59,361	89,739
VERACYTE INC COMMON STOCK USD.001	213,259	5,572,013	8,445,056
VERALTO CORP COMMON STOCK USD.01	117,583	5,589,034	11,975,829
VERASTEM INC COMMON STOCK USD.0001	1,078	3,180	5,573

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
VERDE CLEAN FUELS INC COMMON STOCK USD.0001	177	748	720
VERICEL CORP COMMON STOCK	19,658	819,868	1,079,421
VERINT SYSTEMS INC COMMON STOCK USD.001	29,748	912,665	816,583
VERIS RESIDENTIAL INC REIT USD.01	3,708	85,895	61,664
VERISIGN INC COMMON STOCK USD.001	40,258	5,320,185	8,331,796
VERISK ANALYTICS INC COMMON STOCK USD.001	68,217	7,453,748	18,789,008
VERITEX HOLDINGS INC COMMON STOCK USD.01	82,971	2,183,257	2,253,492
VERIZON COMMUNICATIONS INC COMMON STOCK USD.1	2,680,010	133,754,284	107,173,600
VERRA MOBILITY CORP COMMON STOCK USD.0001	120,567	1,478,687	2,915,310
VERRICA PHARMACEUTICALS INC COMMON STOCK USD.0001	496	2,944	347
VERTEX INC CLASS A COMMON STOCK USD.001	2,456	88,688	131,028
VERTEX PHARMACEUTICALS INC COMMON STOCK USD.01	145,564	23,120,127	58,618,623
VERTIV HOLDINGS CO A COMMON STOCK USD.0001	188,502	4,663,756	21,415,712
VERU INC COMMON STOCK USD.01	3,439	2,921	2,237
VERVE THERAPEUTICS INC COMMON STOCK USD.001	48,359	592,688	272,745
VESTIS CORP COMMON STOCK USD.01	64,287	1,273,326	979,734
VF CORP COMMON STOCK	164,534	9,455,084	3,530,900
VIAD CORP COMMON STOCK USD1.5	829	26,797	35,241
VIAANT TECHNOLOGY INC A COMMON STOCK USD.001	680	24,617	12,913
VIASAT INC COMMON STOCK USD.0001	5,473	119,642	46,575
VIATRIS INC COMMON STOCK	631,265	9,194,534	7,859,249
VIAVI SOLUTIONS INC COMMON STOCK USD.001	96,134	1,118,920	970,953
VICI PROPERTIES INC REIT USD.01	836,130	22,201,575	24,423,357
VICOR CORP COMMON STOCK USD.01	1,019	60,618	49,238
VICTORIA S SECRET + CO COMMON STOCK USD.01	130,320	3,373,580	5,397,854
VICTORY CAPITAL HOLDING A COMMON STOCK USD.01	1,974	70,522	129,218
VIEMED HEALTHCARE INC COMMON STOCK	1,753	15,914	14,059
VIKING THERAPEUTICS INC COMMON STOCK USD.00001	52,222	2,719,732	2,101,413
VILLAGE SUPER MARKET CLASS A COMMON STOCK	2,057	48,930	65,598
VIMEO INC COMMON STOCK USD.01	82,748	407,135	529,587
VIPER ENERGY INC COMMON STOCK NPV	143,052	4,594,675	7,019,562
VIR BIOTECHNOLOGY INC COMMON STOCK	47,025	841,619	345,164
VIRCO MFG CORPORATION COMMON STOCK USD.01	3,247	43,566	33,282
VIRGIN GALACTIC HOLDINGS INC COMMON STOCK USD.0001	1,107	165,245	6,509
VIRGINIA NATIONAL BANKSHARES COMMON STOCK USD2.5	137	4,248	5,233
VIRIDIAN THERAPEUTICS INC COMMON STOCK USD.01	3,096	49,440	59,350
VIRTRA INC COMMON STOCK USD.005	283	2,179	1,910
VIRTU FINANCIAL INC CLASS A COMMON STOCK USD.00001	44,310	1,143,674	1,580,981
VIRTUS INVESTMENT PARTNERS COMMON STOCK USD.01	4,610	1,049,274	1,016,874
VISA INC CLASS A SHARES COMMON STOCK USD.0001	960,867	130,717,252	303,672,407
VISHAY INTERTECHNOLOGY INC COMMON STOCK USD.1	123,025	2,255,769	2,084,044
VISHAY PRECISION GROUP COMMON STOCK	510	14,843	11,970
VISTEON CORP COMMON STOCK	1,245	99,515	110,456
VISTRA CORP COMMON STOCK USD.01	185,588	4,176,110	25,587,018
VITA COCO CO INC/THE COMMON STOCK USD.01	1,755	28,551	64,777
VITAL ENERGY INC COMMON STOCK USD.01	61,563	2,873,510	1,903,528
VITAL FARMS INC COMMON STOCK USD.0001	1,432	33,432	53,972
VITESSE ENERGY INC COMMON STOCK	1,768	31,128	44,200
VIVID SEATS INC CLASS A COMMON STOCK USD.0001	376,350	2,570,744	1,742,501
VONTIER CORP COMMON STOCK USD.0001	74,653	1,931,791	2,722,595
VORNADO REALTY TRUST REIT USD.04	83,501	5,450,605	3,510,382
VOYA FINANCIAL INC COMMON STOCK USD.01	70,871	3,003,890	4,878,051
VOYAGER THERAPEUTICS INC COMMON STOCK USD.001	1,851	20,350	10,495
VSE CORP COMMON STOCK USD.05	9,622	809,663	915,052
VULCAN MATERIALS CO COMMON STOCK USD1.0	74,250	10,355,529	19,099,328
W+T OFFSHORE INC COMMON STOCK USD.00001	6,501	48,782	10,792
WABASH NATIONAL CORP COMMON STOCK USD.01	102,712	1,217,629	1,759,457
WABTEC CORP COMMON STOCK USD.01	93,209	8,148,562	17,671,494
WAFD INC COMMON STOCK USD1.0	13,401	411,372	432,048
WALDENCAST ACQUISITION COR A COMMON STOCK USD.0001	1,530	13,495	6,151
WALGREENS BOOTS ALLIANCE INC COMMON STOCK USD.01	385,547	27,499,991	3,597,154

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
WALKER + DUNLOP INC COMMON STOCK	1,511	110,421	146,884
WALMART INC COMMON STOCK USD.1	2,455,694	90,870,947	221,871,953
WALT DISNEY CO/THE COMMON STOCK USD.01	944,928	98,043,936	105,217,733
WARBY PARKER INC CLASS A COMMON STOCK USD.0001	3,890	53,715	94,177
WARNER BROS DISCOVERY INC COMMON STOCK	1,308,102	33,441,854	13,826,638
WARNER MUSIC GROUP CORP CL A COMMON STOCK	38,184	1,191,798	1,183,704
WARRIOR MET COAL INC COMMON STOCK USD.01	19,398	874,019	1,052,148
WASHINGTON TRUST BANCORP COMMON STOCK USD.0625	693	26,843	21,726
WASTE MANAGEMENT INC COMMON STOCK USD.01	247,975	28,404,193	50,038,875
WATERS CORP COMMON STOCK USD.01	28,352	5,117,103	10,518,025
WATERSTONE FINANCIAL INC COMMON STOCK USD.01	766	14,071	10,295
WATSCO INC COMMON STOCK USD.5	16,657	3,012,778	7,893,586
WATTS WATER TECHNOLOGIES A COMMON STOCK USD.1	1,223	126,003	248,636
WAVE LIFE SCIENCES LTD COMMON STOCK	4,449	21,686	55,034
WAYFAIR INC CLASS A COMMON STOCK USD.001	71,013	6,530,387	3,147,296
WAYSTAR HOLDING CORP COMMON STOCK USD.01	157,701	3,886,682	5,787,627
WD 40 CO COMMON STOCK USD.001	619	88,478	150,219
WEATHERFORD INTERNATIONAL PL COMMON STOCK USD.001	35,789	4,258,740	2,563,566
WEAVE COMMUNICATIONS INC COMMON STOCK USD.00001	2,141	15,237	34,085
WEBSTER FINANCIAL CORP COMMON STOCK USD.01	89,137	4,397,544	4,922,145
WEBTOON ENTERTAINMENT INC COMMON STOCK	423	4,610	5,744
WEC ENERGY GROUP INC COMMON STOCK USD.01	150,423	10,557,813	14,145,779
WEIS MARKETS INC COMMON STOCK	747	41,647	50,587
WELLS FARGO + CO COMMON STOCK USD1.666	2,051,194	94,112,021	144,075,867
WELLTOWER INC REIT USD1.0	341,117	27,076,196	42,990,976
WENDY S CO/THE COMMON STOCK USD.1	84,053	1,264,871	1,370,064
WEREWOLF THERAPEUTICS INC COMMON STOCK USD.0001	801	1,961	1,185
WERNER ENTERPRISES INC COMMON STOCK USD.01	2,849	107,505	102,336
WESBANCO INC COMMON STOCK USD2.0833	73,401	2,230,453	2,388,469
WESCO INTERNATIONAL INC COMMON STOCK USD.01	20,499	2,317,418	3,709,499
WEST BANCORPORATION COMMON STOCK	563	13,368	12,189
WEST PHARMACEUTICAL SERVICES COMMON STOCK USD.25	34,505	4,696,627	11,302,458
WESTAMERICA BANCORPORATION COMMON STOCK	1,153	55,378	60,486
WESTERN ALLIANCE BANCORP COMMON STOCK USD.0001	221,339	16,062,114	18,490,660
WESTERN DIGITAL CORP COMMON STOCK USD.01	213,420	12,600,082	12,726,235
WESTERN UNION CO COMMON STOCK USD.01	218,209	4,239,576	2,313,015
WESTLAKE CORP COMMON STOCK USD.01	17,117	1,159,213	1,962,464
WESTROCK COFFEE CO COMMON STOCK	1,592	17,145	10,221
WEX INC COMMON STOCK USD.01	87,193	14,642,456	15,286,677
WEYCO GROUP INC COMMON STOCK USD1.0	153	4,226	5,745
WEYERHAEUSER CO REIT USD1.25	350,981	10,923,848	9,880,115
WHEELS UP EXPERIENCE INC COMMON STOCK USD.0001	4,998	14,374	8,247
WHIRLPOOL CORP COMMON STOCK USD1.0	35,853	4,508,316	4,104,451
WHITE MOUNTAINS INSURANCE GP COMMON STOCK USD1.0	1,892	2,416,710	3,680,054
WHITESTONE REIT REIT USD.001	2,060	24,531	29,190
WIDOPENWEST INC COMMON STOCK USD.01	2,083	28,897	10,332
WILEY (JOHN) + SONS CLASS A COMMON STOCK USD1.0	1,875	82,711	81,956
WILLDAN GROUP INC COMMON STOCK USD.01	650	18,920	24,759
WILLIAMS COS INC COMMON STOCK USD1.0	688,886	22,254,767	37,282,510
WILLIAMS SONOMA INC COMMON STOCK USD.01	71,733	2,125,504	13,283,517
WILLIS LEASE FINANCE CORP COMMON STOCK USD.01	171	13,624	35,491
WILLIS TOWERS WATSON PLC COMMON STOCK USD.000304635	70,400	11,925,673	22,052,096
WILLSCOT MOBILE MINI HOLDING COMMON STOCK USD.0001	139,152	5,029,458	4,654,634
WINGSTOP INC COMMON STOCK USD.01	43,004	9,899,603	12,221,737
WINMARK CORP COMMON STOCK	141	26,082	55,423
WINNEBAGO INDUSTRIES COMMON STOCK USD.5	27,012	1,048,444	1,290,633
WINTRUST FINANCIAL CORP COMMON STOCK	38,142	3,282,218	4,756,689
WISDOMTREE INC COMMON STOCK USD.01	155,282	994,607	1,630,461
WK KELLOGG CO COMMON STOCK USD.0001	2,944	43,185	52,963
WM TECHNOLOGY INC COMMON STOCK USD.0001	2,314	2,425	3,193
WNS HOLDINGS LTD COMMON STOCK USD.16	165,896	8,114,997	7,861,811

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
WOLFSPEED INC COMMON STOCK USD.00125	58,854	3,609,174	391,968
WOLVERINE WORLD WIDE INC COMMON STOCK USD1.0	3,528	69,966	78,322
WOODWARD INC COMMON STOCK USD.001455	28,520	3,125,590	4,746,298
WORKDAY INC CLASS A COMMON STOCK USD.001	146,409	25,198,364	37,777,914
WORKIVA INC COMMON STOCK USD.001	12,335	1,152,841	1,350,683
WORLD ACCEPTANCE CORP COMMON STOCK	1,400	176,429	157,416
WORLD KINECT CORP COMMON STOCK USD.01	2,718	68,368	74,772
WORTHINGTON ENTERPRISES INC COMMON STOCK	1,439	38,261	57,718
WORTHINGTON STEEL INC COMMON STOCK USD.0001	30,470	979,901	969,555
WP CAREY INC REIT USD.001	104,214	7,307,849	5,677,579
WR BERKLEY CORP COMMON STOCK USD.2	182,620	5,912,716	10,686,922
WSFS FINANCIAL CORP COMMON STOCK USD.01	2,688	89,618	142,813
WW GRAINGER INC COMMON STOCK USD.5	21,857	7,106,091	23,038,371
WYNDHAM HOTELS + RESORTS INC COMMON STOCK USD.01	61,404	3,524,316	6,188,909
WYNN RESORTS LTD COMMON STOCK USD.01	120,323	12,043,902	10,367,030
X4 PHARMACEUTICALS INC COMMON STOCK USD.001	8,102	14,505	5,944
XCEL ENERGY INC COMMON STOCK USD2.5	422,040	23,429,322	28,496,141
XENCOR INC COMMON STOCK USD.01	3,280	94,140	75,374
XENIA HOTELS + RESORTS INC REIT USD.01	92,454	1,516,910	1,373,866
XERIS BIOPHARMA HOLDINGS INC COMMON STOCK	8,694	14,552	29,473
XEROX HOLDINGS CORP COMMON STOCK USD1.0	62,006	1,868,196	522,711
XOMA CORP COMMON STOCK USD.0005	207	3,833	5,440
XOMETRY INC A COMMON STOCK USD.000001	2,056	76,948	87,709
XP INC CLASS A COMMON STOCK	277,210	6,292,960	3,284,939
XPEL INC COMMON STOCK	1,066	51,657	42,576
XPERI INC COMMON STOCK	2,185	118,602	22,440
XPLORE INC CVR HOLDER	1,148	0	-
XPO INC COMMON STOCK USD.001	129,280	4,860,093	16,955,072
XPONENTIAL FITNESS INC A COMMON STOCK USD.0001	1,085	23,133	14,593
XYLEM INC COMMON STOCK	125,343	9,741,406	14,542,295
Y MABS THERAPEUTICS INC COMMON STOCK USD.0001	1,933	45,500	15,135
YELP INC COMMON STOCK USD.000001	2,987	113,596	115,597
YETI HOLDINGS INC COMMON STOCK USD.01	80,178	4,955,815	3,087,655
YEXT INC COMMON STOCK USD.001	4,652	67,291	29,587
YORK WATER CO COMMON STOCK	677	20,332	22,151
YUM BRANDS INC COMMON STOCK	191,821	17,033,301	25,734,705
ZEBRA TECHNOLOGIES CORP CL A COMMON STOCK USD.01	24,284	3,924,088	9,378,966
ZENAS BIOPHARMA INC COMMON STOCK USD.0001	108,461	1,374,605	888,296
ZENTALIS PHARMACEUTICALS INC COMMON STOCK USD.001	25,753	203,033	78,032
ZETA GLOBAL HOLDINGS CORP A COMMON STOCK USD.001	8,180	82,417	147,158
ZEVRA THERAPEUTICS INC COMMON STOCK USD.0001	2,915	18,126	24,311
ZIFF DAVIS INC COMMON STOCK USD.01	86,383	5,004,783	4,694,052
ZILLOW GROUP INC A COMMON STOCK USD.0001	27,258	1,218,212	1,931,229
ZILLOW GROUP INC C COMMON STOCK USD.0001	145,967	6,421,130	10,808,856
ZIMMER BIOMET HOLDINGS INC COMMON STOCK USD.01	95,354	11,119,098	10,072,243
ZIMVIE INC COMMON STOCK USD.01	1,246	20,227	17,382
ZIONS BANCORP NA COMMON STOCK USD.001	96,859	4,385,064	5,254,601
ZIPRECRUITER INC A COMMON STOCK USD.00001	152,478	2,761,843	1,103,941
ZOETIS INC COMMON STOCK USD.01	314,566	34,067,907	51,252,238
ZOOM VIDEO COMMUNICATIONS A COMMON STOCK USD.001	129,973	28,248,984	10,607,097
ZOOMINFO TECHNOLOGIES INC COMMON STOCK	284,670	6,797,624	2,991,882
ZSCALER INC COMMON STOCK USD.001	47,485	5,417,894	8,566,769
ZUMIEZ INC COMMON STOCK	674	18,125	12,921
ZUORA INC CLASS A COMMON STOCK	6,412	83,879	63,607
ZURA BIO LTD COMMON STOCK USD.0001	1,214	7,470	3,035
ZURN ELKAY WATER SOLUTIONS C COMMON STOCK USD.01	6,516	135,165	243,047
ZYMEWORKS INC COMMON STOCK	2,480	20,172	36,307
ZYNEX INC COMMON STOCK USD.001	880	13,779	7,049

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity		Retirement Assets	
Issuer Name	Shares	Book Value	Market Value
Total International Equity Securities	1,721,753,375	12,040,289,490	14,986,710,170
360 SECURITY TECHNOLOGY IN A COMMON STOCK CNY1.0	75,600	156,028	107,197
37 INTERACTIVE ENTERTAINME A COMMON STOCK CNY1.0	24,600	76,501	52,710
3I GROUP PLC COMMON STOCK GBP.738636	1,269,773	19,588,592	56,676,994
4IMPRINT GROUP PLC COMMON STOCK GBP.3845999	16,969	926,978	1,031,783
77 BANK LTD/THE COMMON STOCK	3,400	71,679	98,370
AAC TECHNOLOGIES HOLDINGS IN COMMON STOCK USD.01	120,000	709,074	579,303
ABB LTD REG COMMON STOCK CHF.12	980,825	27,230,550	53,107,953
ABC MART INC COMMON STOCK	74,600	1,265,980	1,514,689
ABN AMRO BANK NV CVA DUTCH CERT EUR1.0	387,938	7,556,565	5,981,459
ABSA GROUP LTD COMMON STOCK ZAR2.0	140,970	1,754,999	1,417,544
ABU DHABI COMMERCIAL BANK COMMON STOCK AED1.0	2,937,093	6,288,375	8,332,179
ABU DHABI ISLAMIC BANK COMMON STOCK AED1.0	228,008	398,348	857,889
ABU DHABI NATIONAL OIL CO FO COMMON STOCK AED.08	464,657	545,993	445,296
ACADEMEDIA AB COMMON STOCK SEK1.0	28,808	156,622	175,988
ACCELINK TECHNOLOGIES CO A COMMON STOCK CNY1.0	8,100	31,105	57,893
ACCIONA SA COMMON STOCK EUR1.0	10,362	1,975,344	1,166,335
ACCOR SA COMMON STOCK EUR3.0	84,774	3,174,070	4,129,335
ACCTON TECHNOLOGY CORP COMMON STOCK TWD10.0	81,000	574,110	1,909,835
ACER INC COMMON STOCK TWD10.0	470,458	305,017	571,131
ACERINOX SA COMMON STOCK EUR.25	40,205	352,901	393,425
ACHILLES CORP COMMON STOCK	700	7,549	6,449
ACM RESEARCH SHANGHAI I A COMMON STOCK CNY1.0	3,090	49,684	42,333
ACS ACTIVIDADES CONS Y SERV COMMON STOCK EUR.5	85,130	2,688,624	4,270,089
ACWA POWER CO COMMON STOCK SAR10.0	23,597	2,554,449	2,520,848
ADC THERAPEUTICS SA COMMON STOCK CHF.064	2,246	7,179	4,470
ADDTECH AB B SHARES COMMON STOCK SEK.75	114,758	3,639,981	3,128,277
ADECCO GROUP AG REG COMMON STOCK CHF.1	73,639	3,810,105	1,816,903
AENTRA INC COMMON STOCK	16,065	475,231	414,750
ADES HOLDING CO COMMON STOCK SAR1.0	69,387	357,057	320,583
ADIDAS AG COMMON STOCK	171,376	32,433,354	42,022,494
ADMIRAL GROUP PLC COMMON STOCK GBP.001	142,882	3,463,786	4,731,316
ADNOC DRILLING CO PJSC COMMON STOCK	651,680	802,014	945,659
ADP COMMON STOCK EUR3.0	14,922	1,837,364	1,725,958
ADVANCED INFO SERVICE FOR RG FOREIGN SH. THB1.0 A	164,832	911,722	1,387,499
ADVANCED INFO SERVICE NVDR NVDR THB1.0	26,151	168,562	220,130
ADVANCED MEDIA INC COMMON STOCK	3,600	26,455	25,151
ADVANCED MICRO FABRICATION A COMMON STOCK CNY1.0	6,242	142,863	161,761
ADVANCED PETROCHEMICALS CO COMMON STOCK SAR10.0	18,765	196,649	160,312
ADVANTECH CO LTD COMMON STOCK TWD10.0	310,803	3,333,230	3,284,883
ADVANTEST CORP COMMON STOCK	335,000	3,217,821	19,606,325
ADYEN NV COMMON STOCK EUR.01	25,814	36,420,240	38,411,582
AECC AERO ENGINE CONTROL A COMMON STOCK CNY1.0	15,500	28,498	47,227
AECC AVIATION POWER CO A COMMON STOCK CNY1.0	27,700	238,350	157,299
AEON GROUP INC COMMON STOCK	40,839	504,904	772,937
AEDAS HOMES SA COMMON STOCK EUR1.0	1,803	44,372	48,355
AEGON LTD COMMON STOCK EUR.12	589,458	4,470,102	3,491,395
AENA SME SA COMMON STOCK	32,663	4,371,919	6,676,569
AEON CO LTD COMMON STOCK	284,800	4,499,256	6,695,953
AEON DELIGHT CO LTD COMMON STOCK	1,700	40,418	47,000
AERCAP HOLDINGS NV COMMON STOCK EUR.01	85,500	4,950,729	8,182,350
AGC INC COMMON STOCK	85,700	3,183,158	2,522,032
AGEAS COMMON STOCK	69,315	4,724,608	3,366,280
AGF MANAGEMENT LTD CLASS B COMMON STOCK	30,900	208,358	229,247
AGL ENERGY LTD COMMON STOCK	43,389	338,783	303,298
AGNICO EAGLE MINES LTD COMMON STOCK	248,233	11,280,174	19,410,571
AGRICULTURAL BANK OF CHINA A COMMON STOCK CNY1.0	678,700	347,959	496,525
AGRICULTURAL BANK OF CHINA H COMMON STOCK CNY1.0	4,868,000	2,111,822	2,776,182
AIA GROUP LTD COMMON STOCK	8,593,421	62,580,512	62,282,790
AIB GROUP PLC COMMON STOCK EUR.625	814,448	3,232,448	4,495,114
AIER EYE HOSPITAL GROUP CO A COMMON STOCK CNY1.0	88,934	157,493	161,438

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
AIPHONE CO LTD COMMON STOCK	1,600	33,764	27,946
AIR CANADA COMMON STOCK	101,201	2,545,717	1,566,357
AIR CHINA LTD A COMMON STOCK CNY1.0	85,700	98,353	92,871
AIR LIQUIDE SA COMMON STOCK EUR5.5	322,361	32,254,914	52,380,654
AIR WATER INC COMMON STOCK	69,000	1,041,440	841,426
AIRBUS SE COMMON STOCK EUR1.0	353,121	31,352,192	56,596,361
AIRPORTS OF THAILAND PC NVDR NVDR THB1.0	44,906	90,128	78,367
AIRPORTS OF THAILAND PCL FOR FOREIGN SH. THB1.0 A	633,483	920,865	1,105,506
AIRTAC INTERNATIONAL GROUP COMMON STOCK TWD10.0	131,986	4,497,572	3,397,831
AISIN CORP COMMON STOCK	236,100	2,575,033	2,670,322
AIT CORP COMMON STOCK	6,800	75,434	74,334
AJINOMOTO CO INC COMMON STOCK	282,500	6,806,548	11,597,671
AJIS CO LTD COMMON STOCK	1,400	21,145	20,800
AKATSUKI INC COMMON STOCK	700	34,185	12,837
AKBANK T.A.S. COMMON STOCK TRY1.0	7,627,864	11,398,453	13,989,253
AKER BP ASA COMMON STOCK NOK1.0	136,145	4,533,322	2,657,605
AKER SOLUTIONS ASA COMMON STOCK NOK1.08	167,082	718,354	457,523
AKESO INC COMMON STOCK USD.00001	98,000	527,879	765,788
AKITA BANK LTD/THE COMMON STOCK	7,300	98,662	103,582
AKZO NOBEL N.V. COMMON STOCK EUR.5	73,800	5,315,521	4,429,298
AL RAJHI BANK COMMON STOCK SAR10.0	780,295	16,532,375	19,645,475
AL RAJHI CO FOR CO OPERATIVE COMMON STOCK QAR10.0	6,719	344,638	306,856
ALCHIP TECHNOLOGIES LTD COMMON STOCK TWD10.0	55,000	4,505,989	5,502,600
ALCON INC COMMON STOCK CHF.04	220,873	10,677,709	18,742,217
ALDAR PROPERTIES PJSC COMMON STOCK AED1.0	608,612	533,942	1,272,550
ALFA LAVAL AB COMMON STOCK SEK2.84	148,744	2,937,592	6,227,479
ALFA S.A.B. A COMMON STOCK	557,142	381,193	404,337
ALIBABA GROUP HOLDING LTD COMMON STOCK USD.000003125	7,035,712	94,769,761	74,632,647
ALIBABA GROUP HOLDING SP ADR ADR USD.000025	195,107	24,562,697	16,543,123
ALIBABA HEALTH INFORMATION T COMMON STOCK HKD.01	885,800	699,414	378,588
ALIMENTATION COUCHE TARD INC COMMON STOCK	524,456	14,569,981	29,070,805
ALINMA BANK COMMON STOCK SAR10.0	814,562	6,030,541	6,276,034
ALIOR BANK SA COMMON STOCK PLN10.0	12,888	318,904	268,269
ALLEGRO.EU SA COMMON STOCK PLN.01	930,028	7,989,947	6,097,215
ALLIANZ SE REG COMMON STOCK	186,895	31,346,705	57,265,462
ALMARAI CO COMMON STOCK SAR10.0	84,943	1,324,806	1,293,112
ALPHA SERVICES AND HOLDINGS COMMON STOCK EUR.29	329,935	466,364	552,444
ALPHAPOLIS CO LTD COMMON STOCK	4,800	25,186	34,635
ALS LTD COMMON STOCK	100,838	590,354	941,503
ALSTOM COMMON STOCK EUR7.0	149,615	4,795,519	3,340,212
ALTAGAS LTD COMMON STOCK	127,386	2,918,094	2,965,431
ALTEN SA COMMON STOCK EUR1.05	9,565	941,702	782,955
ALTEOGEN INC COMMON STOCK KRW500.0	6,412	945,727	1,348,038
ALUMINUM CORP OF CHINA LTD A COMMON STOCK CNY1.0	112,300	81,159	113,081
ALUMINUM CORP OF CHINA LTD H COMMON STOCK CNY1.0	688,000	350,646	397,675
AMADEUS IT GROUP SA COMMON STOCK EUR.01	371,730	21,817,293	26,251,983
AMBEA AB COMMON STOCK SEK.024968	36,782	189,699	321,407
AMBEV SA ADR ADR	2,224,138	5,248,966	4,114,655
AMBEV SA COMMON STOCK	10,954,290	31,126,002	20,816,848
AMERICA MOVIL SAB DE C SER B COMMON STOCK	3,005,855	2,451,700	2,161,212
AMERICA MOVIL SAB DE CV ADR	179,358	2,594,899	2,566,613
AMERICANA RESTAURANTS INTERN COMMON STOCK AED.073	4,920,344	4,577,008	2,983,271
AMERIGO RESOURCES LTD COMMON STOCK	36,000	36,695	39,049
AMLOGIC SHANGHAI INC A COMMON STOCK CNY1.0	4,380	70,282	41,212
AMMAN MINERAL INTERNASIONAL COMMON STOCK IDR125.0	1,071,000	531,227	563,947
AMMB HOLDINGS BHD COMMON STOCK	385,800	435,909	472,813
AMOREPACIFIC CORP COMMON STOCK KRW500.0	4,695	859,484	334,230
AMPLIFON SPA COMMON STOCK EUR.02	92,908	3,200,092	2,390,725
AMUNDI SA COMMON STOCK EUR2.5	26,025	2,020,162	1,730,119
ANA HOLDINGS INC COMMON STOCK	68,000	1,930,159	1,239,845
ANADOLU EFES BIRACILIK VE COMMON STOCK TRY1.0	31,071	199,411	168,357

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ANDRITZ AG COMMON STOCK	26,604	1,471,447	1,349,323
ANEST IWATA CORP COMMON STOCK	3,400	25,391	31,175
ANGEL YEAST CO LTD A COMMON STOCK CNY1.0	11,900	84,166	58,772
ANGLO AMERICAN PLATINUM LTD COMMON STOCK ZAR.1	12,790	602,542	385,632
ANGLO AMERICAN PLC COMMON STOCK USD.54945	714,710	20,557,686	21,160,229
ANGLOGOLD ASHANTI PLC COMMON STOCK	151,115	2,355,331	3,424,990
ANHEUSER BUSCH INBEV SA/NV COMMON STOCK	396,112	28,112,541	19,790,895
ANHUI CONCH CEMENT CO LTD A COMMON STOCK CNY1.0	27,200	204,448	88,614
ANHUI CONCH CEMENT CO LTD H COMMON STOCK CNY1.0	230,000	908,939	588,624
ANHUI GUJING DISTILLERY CO A COMMON STOCK CNY1.0	3,484	55,953	82,718
ANHUI GUJING DISTILLERY CO B COMMON STOCK CNY1.0	19,500	245,504	281,180
ANHUI JIANGHUAI AUTO GROUP A COMMON STOCK CNY1.0	20,000	35,221	102,750
ANHUI YINGJIA DISTILLERY C A COMMON STOCK CNY1.0	5,300	56,590	39,166
ANJOY FOODS GROUP CO LTD A COMMON STOCK CNY1.0	3,700	105,850	41,302
ANKER INNOVATIONS TECHNOLO A COMMON STOCK CNY1.0	6,370	56,413	85,210
ANTA SPORTS PRODUCTS LTD COMMON STOCK HKD.1	300,800	2,541,723	3,014,602
ANTOFAGASTA PLC COMMON STOCK GBP.05	858,110	18,408,342	17,087,681
ANZ GROUP HOLDINGS LTD COMMON STOCK	1,530,503	26,687,337	27,044,824
AOI ELECTRONICS CO LTD COMMON STOCK	1,600	25,676	20,596
AOKI HOLDINGS INC COMMON STOCK	18,600	122,263	158,353
AP MOLLER MAERSK A/S A COMMON STOCK DKK1000.0	1,326	2,140,010	2,124,811
AP MOLLER MAERSK A/S B COMMON STOCK DKK1000.0	5,296	8,141,287	8,754,843
APA GROUP STAPLED SECURITY	582,274	3,567,488	2,512,790
APOLLO HOSPITALS ENTERPRISE COMMON STOCK INR5.0	96,051	7,890,440	8,185,855
APTIV PLC COMMON STOCK USD.01	332,397	28,634,710	20,103,371
ARAB NATIONAL BANK COMMON STOCK SAR10.0	144,243	793,617	809,241
ARABIAN INTERNET + COMMUNICA COMMON STOCK	3,565	272,283	256,174
ARAYA INDUSTRIAL CO LTD COMMON STOCK	1,100	21,307	35,976
ARC RESOURCES LTD COMMON STOCK	302,325	4,522,957	5,480,192
ARCA CONTINENTAL SAB DE CV COMMON STOCK	88,394	580,360	734,351
ARCADIS NV COMMON STOCK EUR.02	11,489	715,677	699,535
ARCELORMITTAL COMMON STOCK	306,658	7,607,399	7,122,520
ARCHOSAUR GAMES INC COMMON STOCK USD.00001	189,000	36,312	34,550
ARGENX SE COMMON STOCK	26,311	7,673,210	16,347,025
ARISTOCRAT LEISURE LTD COMMON STOCK	604,038	13,072,348	25,565,973
ARITZIA INC SUBORDINATE VOTI COMMON STOCK	49,010	1,733,279	1,821,092
ARKEMA COMMON STOCK EUR10.0	30,372	2,910,623	2,313,163
ARM HOLDINGS PLC ADR ADR USD.001	20,700	2,379,116	2,553,552
ASAHI GROUP HOLDINGS LTD COMMON STOCK	1,076,400	12,414,675	11,348,911
ASAHI KASEI CORP COMMON STOCK	548,500	4,429,968	3,812,906
ASAHI NET INC COMMON STOCK	3,700	26,572	15,656
ASCENDIS PHARMA A/S ADR ADR DKK1.0	32,306	3,610,895	4,447,567
ASE TECHNOLOGY HOLDING ADR ADR	910,541	8,291,572	9,169,148
ASE TECHNOLOGY HOLDING CO LT COMMON STOCK TWD10.0	1,510,378	6,030,654	7,463,321
ASELSAN ELEKTRONIK SANAYI COMMON STOCK TRY1.0	219,532	319,639	450,109
ASHTAD GROUP PLC COMMON STOCK GBP.1	395,269	18,779,839	24,578,481
ASIA CEMENT CORP COMMON STOCK TWD10.0	351,400	406,991	433,027
ASIA VITAL COMPONENTS COMMON STOCK TWD10.0	53,000	1,238,020	1,007,153
ASICS CORP COMMON STOCK	306,000	4,375,233	6,055,358
ASM INTERNATIONAL NV COMMON STOCK EUR.04	20,531	6,026,966	11,880,005
ASML HOLDING NV COMMON STOCK EUR.09	276,235	82,725,299	194,136,268
ASML HOLDING NV NY REG SHS NY REG SHRS EUR.09	8,729	8,093,296	6,049,895
ASMPT LTD COMMON STOCK HKD.1	35,500	457,324	342,298
ASPEN PHARMACARE HOLDINGS LT COMMON STOCK ZAR.1390607	62,898	991,185	549,483
ASR NEDERLAND NV COMMON STOCK EUR.16	68,717	3,011,164	3,257,543
ASSA ABLOY AB B COMMON STOCK SEK1.0	680,449	12,138,420	20,125,414
ASSICURAZIONI GENERALI COMMON STOCK	409,866	7,402,998	11,573,831
ASSOCIATED BRITISH FOODS PLC COMMON STOCK GBP.0568	149,111	3,738,923	3,815,233
ASTELLAS PHARMA INC COMMON STOCK	792,800	9,279,207	7,740,848
ASTRA INTERNATIONAL TBK PT COMMON STOCK IDR50.0	14,733,100	7,678,387	4,485,380
ASTRAZENECA PLC COMMON STOCK USD.25	791,929	68,468,392	103,822,860

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ASUSTEK COMPUTER INC COMMON STOCK TWD10.0	114,000	1,108,816	2,141,988
ASX LTD COMMON STOCK	84,772	3,008,463	3,415,828
ASYMCHEM LABORATORIES TIAN A COMMON STOCK CNY1.0	3,500	124,417	36,485
ATACADAO SA COMMON STOCK	230,266	1,094,784	202,392
ATCO LTD CLASS I COMMON STOCK	22,200	656,263	734,443
ATHABASCA OIL CORP COMMON STOCK	338,000	1,172,556	1,252,635
ATKINSREALIS GROUP INC COMMON STOCK	81,863	2,291,152	4,340,754
ATLAS COPCO AB A SHS COMMON STOCK SEK.16	1,546,763	20,766,118	23,636,983
ATLAS COPCO AB B SHS COMMON STOCK SEK.639	683,837	7,425,753	9,249,446
ATRAE INC COMMON STOCK	6,300	34,619	31,668
AUCKLAND INTL AIRPORT LTD COMMON STOCK	712,537	2,689,792	3,473,031
AUO CORP COMMON STOCK TWD10.0	1,050,600	561,869	469,469
AUTO TRADER GROUP PLC COMMON STOCK GBP.01	746,649	5,154,142	7,415,368
AUTOBIO DIAGNOSTICS CO LTD A COMMON STOCK CNY1.0	6,300	50,927	37,666
AUTOHOME INC ADR ADR USD.01	11,617	593,526	301,461
AVADEL PHARMACEUTICALS COMMON STOCK	4,181	58,818	43,942
AVARY HOLDING SHENZHEN CO A COMMON STOCK CNY1.0	19,800	93,518	98,956
AVI LTD COMMON STOCK ZAR.05	700,450	2,950,018	4,072,781
AVICHINA INDUSTRY + TECH H COMMON STOCK CNY1.0	442,000	202,621	219,636
AVICOPTER PLC A COMMON STOCK CNY1.0	8,600	47,337	45,432
AVIVA PLC COMMON STOCK GBP.3289474	1,172,625	9,397,650	6,884,775
AVOLTA AG COMMON STOCK CHF5.0	42,089	1,895,742	1,687,740
AWA BANK LTD/THE COMMON STOCK	13,800	215,640	239,015
AXA SA COMMON STOCK EUR2.29	1,159,463	29,545,916	41,205,415
AXELL CORP COMMON STOCK	2,400	31,070	20,372
AXIATA GROUP BERHAD COMMON STOCK	379,426	421,786	211,287
AXIS BANK LTD COMMON STOCK INR2.0	306,459	4,809,501	3,811,151
AYALA CORPORATION COMMON STOCK PHP50.0	41,305	593,788	427,724
AYALA LAND INC COMMON STOCK PHP1.0	1,044,200	743,781	472,954
AZRIELI GROUP LTD COMMON STOCK ILS.1	17,385	804,247	1,435,689
B+S GROUP SARL COMMON STOCK EUR.06	7,499	38,793	32,264
B3 SA BRASIL BOLSA BALCAO COMMON STOCK	3,624,895	8,977,435	6,055,329
BACHEM HOLDING AG COMMON STOCK CHF.01	13,843	1,805,730	884,425
BAE SYSTEMS PLC COMMON STOCK GBP.025	2,080,688	14,384,843	29,928,227
BAIC BLUEPARK NEW ENERGY A COMMON STOCK CNY1.0	71,400	49,951	78,255
BAIDU INC SPON ADR ADR USD.00005	143,993	21,079,788	12,140,050
BAIDU INC CLASS A COMMON STOCK USD.000000625	1,739,562	26,558,209	18,519,915
BAJAJ AUTO LTD COMMON STOCK INR10.0	53,862	6,236,180	5,535,445
BAJAJ FINANCE LTD COMMON STOCK INR2.0	64,889	5,501,289	5,171,338
BALOISE HOLDING AG REG COMMON STOCK CHF.1	20,025	2,459,133	3,626,044
BANCA MONTE DEI PASCHI SIENA COMMON STOCK	1,019,363	5,900,451	7,184,076
BANCA SISTEMA SPA COMMON STOCK NPV	28,546	47,102	37,481
BANCA TRANSILVANIA SA COMMON STOCK RON10.0	589,151	1,731,155	3,310,595
BANCO BILBAO VIZCAYA ARGENTA COMMON STOCK EUR.49	2,528,367	19,119,837	24,746,509
BANCO BPM SPA COMMON STOCK NPV	563,098	3,188,021	4,555,084
BANCO BRADESCO ADR ADR	2,619,002	11,181,096	5,002,294
BANCO BRADESCO S.A. COMMON STOCK	210,179	1,250,071	361,988
BANCO BRADESCO SA PREF PREFERENCE	900,959	4,679,903	1,685,876
BANCO BTG PACTUAL SA UNIT UNIT	182,448	732,973	803,287
BANCO DE CHILE COMMON STOCK	7,840,980	912,442	891,303
BANCO DE CREDITO E INVERSION COMMON STOCK	13,964	458,282	387,528
BANCO DE SABADELL SA COMMON STOCK EUR.125	2,378,574	5,011,036	4,623,076
BANCO DO BRASIL S.A. COMMON STOCK	2,601,900	11,905,146	10,179,581
BANCO SANTANDER BRASIL ADS ADR	256,964	2,134,980	1,004,729
BANCO SANTANDER CHILE COMMON STOCK	10,840,478	656,951	515,577
BANCO SANTANDER SA COMMON STOCK EUR.5	7,801,751	43,026,628	36,067,417
BANCOLOMBIA S.A. SPONS ADR ADR	153,095	5,620,720	4,824,023
BANCOLOMBIA SA COMMON STOCK COP500.0	35,866	398,474	306,106
BANCOLOMBIA SA PREF PREFERENCE	74,750	772,297	596,909
BANDAI NAMCO HOLDINGS INC COMMON STOCK	565,200	9,343,571	13,590,550
BANGKOK BANK PCL FOREIGN REG FOREIGN SH. THB10.0 A	2,226,156	9,340,371	9,859,204

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BANGKOK BANK PUBLIC CO NVDR NVDR THB10.0	1,723,844	7,096,663	7,634,564
BANGKOK DUSIT MED SERVI NVDR NVDR THB.1	959,208	762,705	689,268
BANGKOK DUSIT MED SERVICE F FOREIGN SH. THB.1 A	813,100	556,271	584,278
BANGKOK EXPRESSWAY AND M FOR FOREIGN SH. THB1.0 A	649,075	170,528	135,164
BANGKOK EXPRESSWAY NVDR NVDR THB1.0	350,963	91,765	73,085
BANK AL JAZIRA COMMON STOCK SAR10.0	73,979	322,224	368,182
BANK ALBILAD COMMON STOCK SAR10.0	95,935	899,796	997,036
BANK CENTRAL ASIA TBK PT COMMON STOCK IDR12.5	30,025,300	11,936,688	18,048,759
BANK HAPOALIM BM COMMON STOCK ILS1.0	556,584	3,498,077	6,724,254
BANK LEUMI LE ISRAEL COMMON STOCK ILS.1	934,641	6,531,076	11,119,808
BANK MANDIRI PERSERO TBK PT COMMON STOCK IDR125.0	17,531,600	4,607,271	6,208,768
BANK NEGARA INDONESIA PERSER COMMON STOCK IDR3750.0	17,295,100	5,216,612	4,674,351
BANK OF BEIJING CO LTD A COMMON STOCK CNY1.0	244,000	185,020	205,583
BANK OF CHANGSHA CO LTD A COMMON STOCK CNY1.0	45,000	51,501	54,807
BANK OF CHENGDU CO LTD A COMMON STOCK CNY1.0	37,100	81,085	86,965
BANK OF CHINA LTD A COMMON STOCK CNY1.0	311,400	174,484	235,067
BANK OF CHINA LTD H COMMON STOCK CNY1.0	11,438,000	5,063,482	5,845,668
BANK OF COMMUNICATIONS CO A COMMON STOCK CNY1.0	374,900	275,305	399,078
BANK OF COMMUNICATIONS CO H COMMON STOCK CNY1.0	1,529,000	1,179,981	1,257,772
BANK OF EAST ASIA LTD COMMON STOCK	74,400	107,165	94,437
BANK OF HANGZHOU CO LTD A COMMON STOCK CNY1.0	59,500	141,717	119,094
BANK OF IRELAND GROUP PLC COMMON STOCK EUR1.0	1,575,429	12,378,597	14,365,728
BANK OF IWATE LTD/THE COMMON STOCK	11,900	210,024	212,846
BANK OF JIANGSU CO LTD A COMMON STOCK CNY1.0	3,206,260	3,978,771	4,313,522
BANK OF MONTREAL COMMON STOCK	324,850	22,965,511	31,520,524
BANK OF NANJING CO LTD A COMMON STOCK CNY1.0	124,900	169,428	182,236
BANK OF NINGBO CO LTD A COMMON STOCK CNY1.0	65,450	227,868	217,980
BANK OF NOVA SCOTIA COMMON STOCK	726,587	36,643,337	39,002,972
BANK OF SHANGHAI CO LTD A COMMON STOCK CNY1.0	175,893	197,116	220,491
BANK OF SUZHOU CO LTD A COMMON STOCK CNY1.0	53,700	58,103	59,665
BANK OF THE PHILIPPINE ISLAN COMMON STOCK PHP10.0	294,137	507,526	620,360
BANK OF THE RYUKYUS LTD COMMON STOCK	6,500	52,025	44,089
BANK PEKAO SA COMMON STOCK PLN1.0	29,485	962,542	984,356
BANK RAKYAT INDONESIA PERSER COMMON STOCK IDR50.0	99,157,807	29,011,296	25,135,996
BANKINTER SA COMMON STOCK EUR.3	164,538	1,031,648	1,301,696
BANQUE CANTONALE VAUDOIS REG COMMON STOCK CHF10.0	13,197	1,236,420	1,215,944
BANQUE SAUDI FRANSI COMMON STOCK SAR10.0	192,986	846,099	813,567
BAOSHAN IRON + STEEL CO A COMMON STOCK CNY1.0	223,400	240,009	214,241
BARCLAYS PLC COMMON STOCK GBP.25	13,891,572	37,610,472	46,652,210
BARITO PACIFIC TBK PT COMMON STOCK IDR100.0	4,797,404	355,542	274,223
BARRATT DEVELOPMENTS PLC COMMON STOCK GBP.1	746,955	5,088,638	4,117,076
BARRICK GOLD CORP COMMON STOCK	920,776	15,788,010	14,313,061
BARRY CALLEBAUT AG REG COMMON STOCK CHF.02	1,548	2,586,756	2,056,598
BARWA REAL ESTATE CO COMMON STOCK QAR1.0	200,962	199,288	156,200
BASF SE COMMON STOCK NPV	427,123	27,543,577	18,779,459
BAUDROIE INC COMMON STOCK	1,400	51,808	43,962
BAWAG GROUP AG COMMON STOCK	134,025	8,181,517	11,262,232
BAYER AG REG COMMON STOCK	494,535	34,172,952	9,890,526
BAYERISCHE MOTOREN WERKE AG COMMON STOCK EUR1.0	157,477	12,623,317	12,879,066
BAYERISCHE MOTOREN WERKE PRF PREFERENCE	25,814	1,806,445	1,935,281
BAYTEX ENERGY CORP COMMON STOCK	425,834	1,325,252	1,098,652
BB SEGURIDADE PARTICIPACOES COMMON STOCK	112,163	846,479	656,872
BCE INC COMMON STOCK	30,845	1,257,584	714,612
BDO UNIBANK INC COMMON STOCK PHP10.0	378,442	761,845	942,098
BE SEMICONDUCTOR INDUSTRIES COMMON STOCK EUR.01	86,417	11,005,875	11,838,840
BEAZLEY PLC COMMON STOCK GBP.05	569,341	5,823,049	5,821,993
BECHTLE AG COMMON STOCK	34,300	2,398,469	1,104,599
BEFESA SA COMMON STOCK	18,401	880,369	395,566
BEIERSDORF AG COMMON STOCK	43,793	3,672,590	5,623,109
BEIGENE LTD ADR ADR USD.0001	32,380	6,642,255	5,980,910
BEIGENE LTD COMMON STOCK USD.0001	111,700	2,089,601	1,570,252

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BEIJER REF AB COMMON STOCK SEK.97	164,343	2,395,695	2,425,897
BEIJING ENTERPRISES HLDGS COMMON STOCK	123,000	522,249	422,776
BEIJING ENTERPRISES WATER GR COMMON STOCK HKD.1	724,000	318,752	233,941
BEIJING KINGSOFT OFFICE SO A COMMON STOCK CNY1.0	4,265	156,194	167,340
BEIJING NEW BUILDING MATER A COMMON STOCK CNY1.0	16,000	51,885	66,440
BEIJING ORIENTAL YUHONG A COMMON STOCK CNY1.0	2,993,700	7,721,194	5,323,592
BEIJING ROBOROCK TECHNOLOG A COMMON STOCK CNY1.0	2,122	45,916	63,751
BEIJING SHANGHAI HIGH SPE A COMMON STOCK CNY1.0	489,800	378,485	413,353
BEIJING TIANTAN BIOLOGICAL A COMMON STOCK CNY1.0	15,720	51,321	44,150
BEIJING TONGRENTANG CO A COMMON STOCK CNY1.0	14,100	96,246	78,408
BEIJING WANTAI BIOLOGICAL A COMMON STOCK CNY1.0	9,093	138,814	87,775
BEIJING YANJING BREWERY CO A COMMON STOCK CNY1.0	33,300	47,255	54,928
BELIMO HOLDING AG REG COMMON STOCK CHF.05	10,545	4,906,054	6,975,699
BERKELEY GROUP HOLDINGS/THE COMMON STOCK GBP.05611	45,027	2,101,836	2,199,281
BETHEL AUTOMOTIVE SAFETY S A COMMON STOCK CNY1.0	5,740	47,920	35,065
BETSSON AB B COMMON STOCK SEK.67	41,343	259,143	537,308
BHP GROUP LTD COMMON STOCK	2,550,328	56,638,348	62,450,877
BID CORP LTD COMMON STOCK	55,011	1,087,907	1,255,225
BIDVEST GROUP LTD COMMON STOCK ZAR.05	57,222	743,440	799,561
BILIBILI INC CLASS Z COMMON STOCK USD.0001	30,940	1,311,412	565,591
BILIBILI INC SPONSORED ADR ADR USD.0001	6,994	199,187	126,661
BIM BIRLESIK MAGAZALAR AS COMMON STOCK TRY1.0	73,174	576,837	1,093,663
BIOMERIEUX COMMON STOCK	18,139	1,479,398	1,944,034
BIONTECH SE ADR ADR	41,310	4,816,031	4,707,275
BIPROGY INC COMMON STOCK	65,000	1,199,473	1,970,762
BIRD CONSTRUCTION INC COMMON STOCK	7,042	124,759	127,600
BKW AG COMMON STOCK CHF2.5	21,787	3,349,444	3,610,932
BLACKBERRY LTD COMMON STOCK	459,003	1,389,438	1,735,031
BLOOMAGE BIOTECHNOLOGY COR A COMMON STOCK CNY1.0	2,693	59,319	18,831
BLUESCOPE STEEL LTD COMMON STOCK	594,981	6,120,721	6,885,071
BML INC COMMON STOCK	4,000	119,150	73,963
BNP PARIBAS COMMON STOCK EUR2.0	721,199	41,167,980	44,225,591
BOC AVIATION LTD COMMON STOCK	40,800	296,538	316,979
BOC HONG KONG HOLDINGS LTD COMMON STOCK	1,882,000	6,030,935	6,044,825
BOC INTERNATIONAL CHINA CO A COMMON STOCK CNY1.0	33,900	66,561	51,831
BOE TECHNOLOGY GROUP CO LT A COMMON STOCK CNY1.0	366,300	203,797	220,304
BOLIDEN AB COMMON STOCK SEK2.11	119,828	2,699,890	3,367,341
BOLLORE SE COMMON STOCK EUR.16	308,186	1,482,135	1,895,612
BONHEUR ASA COMMON STOCK NOK1.25	3,754	95,322	86,270
BONTERRA ENERGY CORP COMMON STOCK	8,800	24,495	23,068
BOSIDENG INTL HLDGS LTD COMMON STOCK USD.00001	674,000	286,511	336,655
BOUBYAN BANK K.S.C COMMON STOCK KWD.1	207,312	336,220	377,237
BOUYGUES SA COMMON STOCK EUR1.0	82,102	2,932,053	2,426,374
BP PLC COMMON STOCK USD.25	8,376,308	51,690,905	41,227,615
BPER BANCA SPA COMMON STOCK	921,550	5,564,430	5,853,462
BRAMBLES LTD COMMON STOCK	932,734	8,102,116	11,111,147
BRAVIDA HOLDING AB COMMON STOCK SEK.02	23,933	191,803	173,499
BREEDON GROUP PLC COMMON STOCK GBP.01	168,009	1,013,922	937,396
BRENNTAG SE COMMON STOCK	97,768	5,788,477	5,859,700
BRF SA ADR ADR	396,749	4,367,173	1,614,768
BRF SA COMMON STOCK	93,200	335,486	382,585
BRIDGESTONE CORP COMMON STOCK	496,900	17,751,776	16,883,724
BRITISH AMERICAN TOBACCO PLC COMMON STOCK GBP.25	876,624	39,391,604	31,619,054
BROOKFIELD ASSET MGMT A COMMON STOCK	202,420	4,655,844	10,972,510
BROOKFIELD CORP COMMON STOCK	743,134	18,244,676	42,690,677
BROOKFIELD INFRASTRUCTURE A COMMON STOCK	5,393	206,185	215,774
BROOKFIELD RENEWABLE CORP COMMON STOCK	120,549	5,331,747	3,334,361
BROTHER INDUSTRIES LTD COMMON STOCK	240,500	4,183,385	4,127,951
BT GROUP PLC COMMON STOCK GBP.05	7,386,091	19,591,975	13,325,114
BUDIMEX COMMON STOCK PLN5.0	1,788	196,525	201,976
BUMITAMA AGRI LTD COMMON STOCK	269,100	126,258	172,601

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BUMRUNGRAD HOSPITAL FOREIGN FOREIGN SH. THB1.0 A	68,165	380,452	398,854
BUMRUNGRAD HOSPITAL PCL NVDR NVDR THB1.0	21,200	117,138	124,048
BUNKA SHUTTER CO LTD COMMON STOCK	3,400	22,524	42,078
BUNZL PLC COMMON STOCK GBP.3214286	327,448	9,426,508	13,516,759
BUPA ARABIA FOR COOPERATIVE COMMON STOCK SAR10.0	84,185	5,073,117	4,637,860
BUREAU VERITAS SA COMMON STOCK EUR.12	137,549	2,928,366	4,178,955
BUSINESS BRAIN SHOWA OTA INC COMMON STOCK	5,000	75,917	68,147
BUSINESS ENGINEERING CORP COMMON STOCK	1,700	35,372	39,320
BW LPG LTD COMMON STOCK USD.01	400,727	5,435,063	4,421,022
BYD CO LTD A COMMON STOCK CNY1.0	16,200	293,416	627,337
BYD CO LTD H COMMON STOCK CNY1.0	772,500	20,733,659	26,512,593
BYD ELECTRONIC INTL CO LTD COMMON STOCK	128,000	281,238	692,898
C+D INTERNATIONAL INVESTMENT COMMON STOCK HKD.1	121,072	281,338	203,554
CAE INC COMMON STOCK	461,324	8,451,206	11,707,917
CAESARSTONE LTD COMMON STOCK	535	2,679	2,274
CAITONG SECURITIES CO LTD A COMMON STOCK CNY1.0	46,540	60,645	52,092
CAIXA SEGURIDADE PARTICIPACO COMMON STOCK	84,900	236,514	195,833
CAIXABANK SA COMMON STOCK EUR1.0	4,006,399	16,359,866	21,722,208
CAMBRICON TECHNOLOGIES A COMMON STOCK CNY1.0	4,186	159,415	377,352
CAMECO CORP COMMON STOCK	204,058	3,576,034	10,486,669
CAN APARTMENT PROP REAL ESTA REIT	34,800	1,414,243	1,031,514
CAN IMPERIAL BK OF COMMERCE COMMON STOCK	456,808	18,570,347	28,881,624
CANACCORD GENUITY GROUP INC COMMON STOCK	14,108	104,618	99,174
CANADIAN NATL RAILWAY CO COMMON STOCK	343,398	24,217,571	34,853,154
CANADIAN NATURAL RESOURCES COMMON STOCK	1,130,572	19,386,667	34,887,210
CANADIAN PACIFIC KANSAS CITY COMMON STOCK	503,885	22,249,703	36,465,270
CANADIAN TIRE CORP CLASS A COMMON STOCK	37,832	3,411,516	3,977,858
CANADIAN UTILITIES LTD A COMMON STOCK	58,109	1,555,799	1,408,079
CANFOR PULP PRODUCTS INC COMMON STOCK	3,080	11,530	1,628
CANON INC COMMON STOCK	518,000	15,558,545	17,010,677
CANON MARKETING JAPAN INC COMMON STOCK	96,600	1,790,230	3,177,793
CAPCOM CO LTD COMMON STOCK	915,800	11,935,567	20,243,632
CAPGEMINI SE COMMON STOCK EUR8.0	119,036	14,723,299	19,493,851
CAPITA PLC COMMON STOCK GBP.020667	854,112	1,034,370	149,971
CAPITAL SECURITIES CO LTD A COMMON STOCK CNY1.0	9,200	29,277	27,729
CAPITALAND ASCENDAS REIT REIT	1,604,337	2,901,244	3,022,391
CAPITALAND INTEGRATED COMMER REIT	2,486,440	3,537,765	3,517,687
CAPITALAND INVESTMENT LTD/SI COMMON STOCK	1,113,890	2,457,643	2,139,270
CAPITEC BANK HOLDINGS LTD COMMON STOCK ZAR.01	128,754	11,051,565	21,386,265
CAPRICORN METALS LTD COMMON STOCK	23,258	78,580	90,433
CAR GROUP LTD COMMON STOCK	176,632	3,441,611	3,940,303
CAREER DESIGN CENTER CO LTD COMMON STOCK	1,600	23,599	18,478
CARGOTEC OYJ B SHARE COMMON STOCK	8,964	266,260	474,136
CARL ZEISS MEDITEC AG BR COMMON STOCK	16,813	1,659,692	792,497
CARLSBERG AS B COMMON STOCK DKK20.0	98,315	11,112,098	9,419,761
CARREFOUR SA COMMON STOCK EUR2.5	245,293	6,028,530	3,487,433
CASCADES INC COMMON STOCK	25,349	212,178	209,920
CATCHER TECHNOLOGY CO LTD COMMON STOCK TWD10.0	439,000	3,049,387	2,597,752
CATHAY BIOTECH INC A COMMON STOCK CNY1.0	6,935	52,898	36,864
CATHAY FINANCIAL HOLDING CO COMMON STOCK TWD10.0	1,543,066	2,412,157	3,214,672
CCL INDUSTRIES INC CL B COMMON STOCK	64,495	2,486,173	3,316,232
CCR SA COMMON STOCK	124,197	565,879	204,454
CD PROJEKT SA COMMON STOCK PLN1.0	8,841	340,111	409,773
CELCOMDIGI BHD COMMON STOCK	504,300	554,366	408,267
CELESTICA INC COMMON STOCK	2,478	181,449	228,571
CELLNEX TELECOM SA COMMON STOCK EUR.25	266,173	10,671,985	8,409,232
CELLTRION INC COMMON STOCK KRW1000.0	25,513	2,875,609	3,249,457
CEMEX SAB CPO UNIT	2,429,981	1,609,246	1,368,510
CEMEX SAB SPONS ADR PART CER ADR	172,098	1,310,558	970,633
CENCOSUD SA COMMON STOCK	195,654	549,776	432,808
CENOVUS ENERGY INC COMMON STOCK	605,233	9,034,478	9,169,814

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CENTERRA GOLD INC COMMON STOCK	147,679	943,931	839,949
CENTRAIS ELETRICAS BRAS PR B PREFERENCE	59,000	492,100	361,381
CENTRAIS ELETRICAS BRASILIER COMMON STOCK	171,337	1,464,248	946,564
CENTRAL JAPAN RAILWAY CO COMMON STOCK	335,700	9,209,380	6,333,358
CENTRAL PATTANA PCL NVDR NVDR THB.5	102,999	196,756	172,194
CENTRAL PATTANA PUB CO FOREI FOREIGN SH. THB.5 A	207,300	372,942	346,564
CENTRAL RETAIL CORP FOREIGN FOREIGN SH. THB1.0 A	44,229	52,906	44,106
CENTRAL RETAIL CORP PCL NVDR NVDR THB1.0 A	227,348	238,757	226,715
CENTRICA PLC COMMON STOCK GBP.061728	6,487,819	9,457,078	10,855,460
CES ENERGY SOLUTIONS CORP COMMON STOCK	74,632	332,730	514,775
CEWE STIFTUNG + CO KGAA COMMON STOCK	780	77,716	83,515
CEZ AS COMMON STOCK CZK100.0	24,901	618,910	980,187
CG POWER AND INDUSTRIAL SOLU COMMON STOCK INR2.0	256,435	2,198,895	2,180,546
CGI INC COMMON STOCK	90,199	3,726,660	9,864,065
CGN POWER CO LTD H COMMON STOCK CNY1.0	2,006,200	568,854	736,059
CGN PWR CO LTD COMMON STOCK CNY1.0	64,800	36,801	36,665
CHAILEASE HOLDING CO LTD COMMON STOCK TWD10.0	241,360	797,575	831,908
CHANDRA ASRI PACIFIC TBK PT COMMON STOCK IDR50.0	1,278,500	707,147	595,760
CHANG HWA COMMERCIAL BANK COMMON STOCK TWD10.0	971,038	497,093	528,696
CHANGCHUN HIGH + NEW TECH A COMMON STOCK CNY1.0	5,700	147,858	77,653
CHANGJIANG SECURITIES CO L A COMMON STOCK CNY1.0	64,000	66,919	59,798
CHANGZHOU XINGYU AUTOMOTIV A COMMON STOCK CNY1.0	2,700	32,697	49,374
CHAOZHOU THREE CIRCLE GROU A COMMON STOCK CNY1.0	20,800	107,517	109,738
CHAROEN POKPHAND FOOD FORGN FOREIGN SH. THB1.0 A	419,118	370,800	280,272
CHAROEN POKPHAND FOODS NVDR NVDR THB1.0	142,101	98,150	95,026
CHAROEN POKPHAND INDONESIA PT COMMON STOCK IDR10.0	1,170,400	427,931	346,139
CHECK POINT SOFTWARE TECH COMMON STOCK USD.01	192,026	23,397,684	35,851,254
CHENG SHIN RUBBER IND CO LTD COMMON STOCK TWD10.0	289,000	496,807	432,383
CHIBA BANK LTD/THE COMMON STOCK	251,200	1,478,174	1,954,009
CHIBA KOGYO BANK LTD/THE COMMON STOCK	18,000	78,152	166,989
CHIFENG JILONG GOLD MINING A COMMON STOCK CNY1.0	21,600	48,661	46,193
CHINA AIRLINES LTD COMMON STOCK TWD10.0	407,000	378,894	318,429
CHINA BESTSTUDY EDUCATION GR COMMON STOCK USD.00005	94,000	46,691	44,774
CHINA CITIC BANK CORP LTD H COMMON STOCK CNY1.0	1,649,000	1,025,669	1,139,957
CHINA COM RICH RENE ENE INVEST	674,000	92,690	92,596
CHINA COMMUNICATIONS SERVI H COMMON STOCK CNY1.0	469,600	316,442	275,668
CHINA CONSTRUCTION BANK A COMMON STOCK CNY1.0	64,200	64,902	77,312
CHINA CONSTRUCTION BANK H COMMON STOCK CNY1.0	32,262,336	25,169,643	26,913,141
CHINA CSSC HOLDINGS LTD A COMMON STOCK CNY1.0	47,600	159,462	234,503
CHINA DEVELOPMENT FINANCIAL COMMON STOCK TWD10.0	2,560,460	983,273	1,343,315
CHINA EASTERN AIRLINES CO A COMMON STOCK CNY1.0	152,400	93,311	83,515
CHINA ENERGY ENGINEERING C A COMMON STOCK CNY1.0	385,500	148,058	120,943
CHINA EVERBRIGHT BANK CO A COMMON STOCK CNY1.0	365,100	191,380	193,573
CHINA EVERBRIGHT BANK CO L H COMMON STOCK CNY1.0	1,057,000	454,039	410,937
CHINA FEIHE LTD COMMON STOCK USD.000000025	612,000	1,164,554	429,380
CHINA GALAXY SECURITIES CO A COMMON STOCK CNY1.0	44,900	80,150	93,685
CHINA GALAXY SECURITIES CO H COMMON STOCK CNY1.0	625,800	489,614	571,183
CHINA GAS HOLDINGS LTD COMMON STOCK HKD.01	574,400	1,077,094	500,607
CHINA GREAT WALL SECURITIE A COMMON STOCK CNY1.0	34,500	51,811	38,757
CHINA GREATWALL TECHNOLOGY A COMMON STOCK CNY1.0	27,700	59,322	55,292
CHINA HONGQIAO GROUP LTD COMMON STOCK USD.01	481,000	528,318	728,192
CHINA INTERNATIONAL CAPITA H COMMON STOCK CNY1.0	249,200	536,574	411,272
CHINA INTERNATIONAL CAPTAL A COMMON STOCK CNY1.0	21,400	139,566	98,773
CHINA JUSHI CO LTD A COMMON STOCK CNY1.0	41,100	102,099	64,134
CHINA LIFE INSURANCE CO A COMMON STOCK CNY1.0	19,300	93,295	110,841
CHINA LIFE INSURANCE CO H COMMON STOCK CNY1.0	1,244,000	3,075,442	2,350,932
CHINA LITERATURE LTD COMMON STOCK USD.0001	61,200	436,522	198,539
CHINA LONGYUAN POWER GROUP H COMMON STOCK CNY1.0	555,000	577,470	460,121
CHINA MENGNIU DAIRY CO COMMON STOCK HKD.1	512,000	1,518,797	1,157,412
CHINA MERCHANTS BANK A COMMON STOCK CNY1.0	192,300	977,003	1,035,365
CHINA MERCHANTS BANK H COMMON STOCK CNY1.0	7,115,158	39,013,902	36,638,537

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CHINA MERCHANTS ENERGY A COMMON STOCK CNY1.0	403,100	417,255	353,991
CHINA MERCHANTS EXPRESSWAY A COMMON STOCK CNY1.0	71,300	112,729	136,265
CHINA MERCHANTS PORT HOLDING COMMON STOCK	261,702	639,409	466,269
CHINA MERCHANTS SECURITIES A COMMON STOCK CNY1.0	66,790	134,366	175,319
CHINA MERCHANTS SHEKOU IND A COMMON STOCK CNY1.0	90,168	211,534	126,495
CHINA MINSHENG BANKING A COMMON STOCK CNY1.0	314,500	237,889	177,948
CHINA MINSHENG BANKING COR H COMMON STOCK CNY1.0	1,601,379	990,219	709,163
CHINA NATIONAL BUILDING MA H COMMON STOCK CNY1.0	742,000	587,652	338,143
CHINA NATIONAL CHEMICAL A COMMON STOCK CNY1.0	55,100	48,758	62,579
CHINA NATIONAL MEDICINES A COMMON STOCK CNY1.0	8,800	49,258	41,256
CHINA NATIONAL NUCLEAR POW A COMMON STOCK CNY1.0	208,400	243,878	297,786
CHINA NATIONAL SOFTWARE A COMMON STOCK CNY1.0	7,800	54,317	49,893
CHINA NORTHERN RARE EARTH A COMMON STOCK CNY1.0	35,500	63,623	103,204
CHINA OILFIELD SERVICES H COMMON STOCK CNY1.0	738,000	718,958	668,841
CHINA OVERSEAS LAND + INVEST COMMON STOCK	11,632,500	24,176,993	18,568,992
CHINA PACIFIC INSURANCE GR A COMMON STOCK CNY1.0	501,200	1,744,763	1,708,300
CHINA POWER INTERNATIONAL COMMON STOCK	826,500	296,572	337,284
CHINA RAILWAY GROUP LTD A COMMON STOCK CNY1.0	120,900	101,568	105,840
CHINA RAILWAY GROUP LTD H COMMON STOCK CNY1.0	882,000	624,757	449,632
CHINA RAILWAY SIGNAL + COM A COMMON STOCK CNY1.0	82,530	69,047	70,780
CHINA RARE EARTH RESOURCES A COMMON STOCK CNY1.0	13,600	62,829	52,263
CHINA RESOURCES BEER HOLDING COMMON STOCK	267,066	936,278	868,108
CHINA RESOURCES GAS GROUP LT COMMON STOCK HKD.1	164,000	561,831	649,206
CHINA RESOURCES LAND LTD COMMON STOCK HKD.1	525,888	1,653,698	1,526,629
CHINA RESOURCES MICROELECT A COMMON STOCK CNY1.0	11,200	100,276	72,409
CHINA RESOURCES MIXC LIFESTY COMMON STOCK USD.00001	113,200	613,734	421,151
CHINA RESOURCES PHARMACEUTIC COMMON STOCK	384,500	300,743	282,140
CHINA RESOURCES POWER HOLDIN COMMON STOCK	340,856	675,219	828,450
CHINA RESOURCES SANJIU MED A COMMON STOCK CNY1.0	15,210	69,752	92,395
CHINA RUYI HOLDINGS LTD COMMON STOCK HKD.02	1,052,000	604,349	331,799
CHINA SOUTHERN AIRLINES CO A COMMON STOCK CNY1.0	103,800	88,522	92,292
CHINA STATE CONSTRUCTION A COMMON STOCK CNY1.0	397,080	329,111	326,401
CHINA STATE CONSTRUCTION INT COMMON STOCK HKD.025	354,499	444,315	559,499
CHINA STEEL CORP COMMON STOCK TWD10.0	1,889,380	1,650,810	1,132,435
CHINA TAIPING INSURANCE HOLD COMMON STOCK	232,735	513,143	348,146
CHINA THREE GORGES RENEWAB A COMMON STOCK CNY1.0	291,500	320,307	174,519
CHINA TOURISM GROUP DUTY F A COMMON STOCK CNY1.0	17,600	226,503	161,575
CHINA TOWER CORP LTD H COMMON STOCK CNY1.0	7,712,000	1,265,065	1,111,933
CHINA UNITED NETWORK A COMMON STOCK CNY1.0	308,300	197,439	224,280
CHINA VANKE CO LTD A COMMON STOCK CNY1.0	78,000	174,927	77,581
CHINA VANKE CO LTD H COMMON STOCK CNY1.0	359,900	873,192	245,093
CHINA XD ELECTRIC CO LTD A COMMON STOCK CNY1.0	72,500	48,072	75,388
CHINA YANGTZE POWER CO LTD A COMMON STOCK CNY1.0	246,100	771,065	996,302
CHINA ZHESHANG BANK CO LTD A COMMON STOCK CNY1.0	264,680	129,658	105,520
CHOCOLADEFABRIKEN LINDT PC COMMON STOCK CHF10.0	424	2,786,287	4,711,371
CHOCOLADEFABRIKEN LINDT REG COMMON STOCK CHF100.0	47	2,986,455	5,186,207
CHONGQING BREWERY CO A COMMON STOCK CNY1.0	4,400	32,172	37,989
CHONGQING CHANGAN AUTOMOB A COMMON STOCK CNY1.0	85,286	78,343	156,101
CHONGQING RURAL COMMERCIAL A COMMON STOCK CNY1.0	127,500	86,611	105,679
CHONGQING ZHIFEI BIOLOGICA A COMMON STOCK CNY1.0	22,800	137,578	82,151
CHOW TAI FOOK JEWELLERY GROU COMMON STOCK HKD1.0	353,600	576,893	306,352
CHUBU ELECTRIC POWER CO INC COMMON STOCK	277,600	4,332,416	2,924,197
CHUGAI PHARMACEUTICAL CO LTD COMMON STOCK	295,481	4,312,761	13,159,020
CHUNGHWA TELECOM CO LTD COMMON STOCK TWD10.0	631,000	2,224,935	2,376,992
CIA CERVECERIAS UNI SPON ADR ADR	73,113	1,734,971	828,370
CIA DE MINAS BUENAVENTUR ADR ADR	207,960	2,481,401	2,395,699
CIA ENERGETICA MINAS GER PRF PREFERENCE	6,969,952	10,586,922	12,534,485
CIA SANEAMENTO BASICO DE SP COMMON STOCK	70,483	895,054	1,009,695
CIA SIDERURGICA NACIONAL SA COMMON STOCK	87,836	372,695	125,971
CIE FINANCIERE RICHEMO A REG COMMON STOCK CHF1.0	318,893	26,705,630	48,524,518
CIMB GROUP HOLDINGS BHD COMMON STOCK	3,917,018	6,258,322	7,183,171

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CISARUA MOUNTAIN DAIRY PT TB COMMON STOCK	9,907,800	2,923,590	3,324,145
CITI PACIFIC SPECIAL STEE A COMMON STOCK CNY1.0	49,900	95,924	78,002
CITIC LTD COMMON STOCK	1,006,000	1,444,602	1,192,755
CITIC SECURITIES CO A COMMON STOCK CNY1.0	105,330	325,679	420,930
CITIC SECURITIES CO LTD H COMMON STOCK CNY1.0	276,550	636,059	760,090
CJ CHEILJEDANG CORP COMMON STOCK KRW5000.0	1,218	366,754	211,391
CK ASSET HOLDINGS LTD COMMON STOCK HKD1.0	995,862	5,761,145	4,089,624
CK HUTCHISON HOLDINGS LTD COMMON STOCK HKD1.0	1,364,061	11,991,288	7,287,448
CK INFRASTRUCTURE HOLDINGS L COMMON STOCK HKD1.0	276,000	1,715,561	2,051,893
CLARIANT AG REG COMMON STOCK CHF2.6	93,603	2,307,904	1,042,156
CLICKS GROUP LTD COMMON STOCK ZAR.01	268,856	5,462,895	5,315,854
CLOETTA AB B SHS COMMON STOCK SEK5.0	13,603	28,842	31,024
CLOSE BROTHERS GROUP PLC COMMON STOCK GBP.25	67,395	789,165	199,366
CLP HOLDINGS LTD COMMON STOCK	1,306,122	11,170,938	10,979,701
CMC MARKETS PLC COMMON STOCK GBP.25	76,318	301,739	237,040
CMOC GROUP LTD A COMMON STOCK CNY.2	131,600	98,175	119,895
CMOC GROUP LTD H COMMON STOCK CNY.2	690,000	379,644	466,339
CNGR ADVANCED MATERIAL CO A COMMON STOCK CNY1.0	9,680	90,090	47,901
CNOOC ENERGY TECHNOLOGY + A COMMON STOCK CNY1.0	458,300	260,410	268,102
CNPC CAPITAL CO LTD A COMMON STOCK CNY1.0	67,400	62,019	63,621
CO FOR COOPERATIVE INSURANCE COMMON STOCK SAR10.0	11,870	449,119	466,283
COCA COLA EUROPACIFIC PARTNE COMMON STOCK EUR.01	107,780	5,001,335	8,316,779
COCA COLA FEMSA SAB DE CV UNIT	86,161	638,340	671,834
COCA COLA FEMSA SAB SP ADR ADR	79,764	5,510,563	6,212,818
COCA COLA HBC AG DI COMMON STOCK CHF6.7	94,044	2,283,276	3,217,769
COCA COLA ICECEK AS COMMON STOCK TRY1.0	120,439	227,021	204,192
COCHLEAR LTD COMMON STOCK	44,616	5,544,995	8,007,647
COGECO INC COMMON STOCK	2,400	87,812	98,406
COLES GROUP LTD COMMON STOCK	581,344	5,273,848	6,799,252
COLOPL INC COMMON STOCK	21,300	94,076	65,055
COLOPLAST B COMMON STOCK DKK1.0	156,960	15,461,079	17,135,352
COLRUYT GROUP N.V COMMON STOCK	9,194	416,848	345,019
COMMERCIAL BANK PSQC COMMON STOCK QAR1.0	456,819	615,150	545,774
COMMERCIAL INTERNATIONAL BAN COMMON STOCK EGP10.0	390,704	621,545	603,389
COMMERZBANK AG COMMON STOCK	417,566	5,896,066	6,799,327
COMMONWEALTH BANK OF AUSTRAL COMMON STOCK	736,381	39,623,640	69,871,340
COMPAGNIE DE SAINT GOBAIN COMMON STOCK EUR4.0	268,243	13,128,801	23,804,515
COMPAL ELECTRONICS COMMON STOCK TWD10.0	5,242,000	5,472,934	6,019,958
COMPANHIA PARANAENSE PREF B PREFERENCE	178,800	333,794	264,820
COMPASS GROUP PLC COMMON STOCK GBP.1105	1,016,751	17,428,605	33,897,345
COMPUTERSHARE LTD COMMON STOCK	328,835	4,135,614	6,912,161
CONCORDIA FINANCIAL GROUP LT COMMON STOCK	460,400	2,231,041	2,551,886
CONSTELLATION SOFTWARE INC COMMON STOCK	11,738	9,894,714	36,277,537
CONSTELLATION SOFTWARE INC CONSTELLATION SOFTWARE IN 28	10,491	-	1
CONSTI OYJ COMMON STOCK NPV	339	5,200	3,598
CONTEMPORARY AMPEREX TECHN A COMMON STOCK CNY1.0	432,040	14,421,253	15,744,445
CONTINENTAL AG COMMON STOCK	124,724	13,846,427	8,371,614
CONVATEC GROUP PLC COMMON STOCK GBP.1	1,429,128	3,965,314	3,959,126
COSAN SA COMMON STOCK	1,955,200	4,470,480	2,582,522
COSCO SHIPPING ENERGY TRAN A COMMON STOCK CNY1.0	95,600	153,258	151,928
COSCO SHIPPING ENERGY TRAN H COMMON STOCK CNY1.0	448,000	460,825	358,725
COSCO SHIPPING HOLDINGS CO A COMMON STOCK CNY1.0	101,190	140,058	214,878
COSCO SHIPPING HOLDINGS CO H COMMON STOCK CNY1.0	534,200	438,747	880,253
COUNTRY GARDEN HOLDINGS CO COMMON STOCK HKD.1	1,687,546	1,324,471	105,364
COVEO SOLUTIONS INC SUB VTG COMMON STOCK	41,296	237,086	183,193
COVESTRO AG TEND COMMON STOCK	83,334	5,777,968	5,004,957
COVIVIO REIT EUR3.0	23,961	1,845,666	1,209,814
COWAY CO LTD COMMON STOCK KRW500.0	8,028	528,192	364,822
CP ALL PCL FOREIGN FOREIGN SH. THB1.0 A	723,181	1,299,070	1,182,500
CP ALL PCL NVDR NVDR THB1.0	205,751	397,956	336,431
CP AXTRA PCL NVDR NVDR THB1.0	310,851	360,301	248,444

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CPFL ENERGIA SA COMMON STOCK	33,300	232,496	170,277
CREDICORP LTD COMMON STOCK USD5.0	144,794	20,861,302	26,543,636
CREDIT AGRICOLE SA COMMON STOCK EUR3.0	460,318	5,755,735	6,334,802
CREDITO EMILIANO SPA COMMON STOCK EUR1.0	16,849	138,224	189,825
CRESUD S.A. SPONS ADR ADR USD1.0	157,093	2,740,829	1,984,085
CRH PLC COMMON STOCK EUR.32	545,787	34,312,904	50,539,079
CRODA INTERNATIONAL PLC COMMON STOCK GBP.1060976	180,658	12,079,736	7,658,768
CRRC CORP LTD H COMMON STOCK CNY1.0	871,000	403,498	561,758
CRRC CORP LTD A COMMON STOCK CNY1.0	181,180	178,211	208,006
CSC FINANCIAL CO LTD A COMMON STOCK CNY1.0	42,400	145,009	149,577
CSL LTD COMMON STOCK	326,071	42,059,544	56,847,320
CSPC INNOVATION PHARMACEUT A COMMON STOCK CNY1.0	12,480	61,728	45,463
CSPC PHARMACEUTICAL GROUP LT COMMON STOCK	1,395,440	1,067,717	858,683
CTBC FINANCIAL HOLDING CO LT COMMON STOCK TWD10.0	2,566,416	1,799,924	3,060,802
CTS EVENTIM AG + CO KGAA COMMON STOCK	35,665	3,077,093	3,015,425
CVC CAPITAL PARTNERS PLC COMMON STOCK	90,872	2,135,396	2,000,523
CYBERAGENT INC COMMON STOCK	14,300	101,280	99,725
CYBERARK SOFTWARE LTD/ISRAEL COMMON STOCK ILS.01	27,559	4,451,241	9,181,281
D IETEREN GROUP COMMON STOCK	9,294	1,450,229	1,546,567
D MARKET ELECTRONIC SERV ADR ADR TRY.2	9,600	115,200	29,088
DA MING INTERNATIONAL HOLD COMMON STOCK HKD.1	57,697	27,884	5,496
DAI ICHI CUTTER KOGYO KK COMMON STOCK	3,500	31,171	31,334
DAI ICHI LIFE HOLDINGS INC COMMON STOCK	536,300	9,675,117	14,451,708
DAI NIPPON PRINTING CO LTD COMMON STOCK	177,000	1,885,221	2,499,691
DAIEI KANKYO CO LTD COMMON STOCK	27,500	354,503	505,870
DAIFUKU CO LTD COMMON STOCK	154,000	2,811,253	3,233,647
DAIHATSU DIESEL MFG CO LTD COMMON STOCK	7,300	30,020	86,442
DAIICHI JITSUGYO CO LTD COMMON STOCK	2,700	35,904	49,530
DAIICHI SANKYO CO LTD COMMON STOCK	986,100	16,538,511	27,306,612
DAIKIN INDUSTRIES LTD COMMON STOCK	142,500	15,520,713	16,919,382
DAIMLER TRUCK HOLDING AG COMMON STOCK	422,325	12,712,655	16,115,152
DAINICHISEIKA COLOR + CHEM COMMON STOCK	2,200	28,710	42,345
DAITO TRUST CONSTRUCT CO LTD COMMON STOCK	25,800	2,686,376	2,885,181
DAIWA HOUSE INDUSTRY CO LTD COMMON STOCK	349,800	8,375,985	10,812,728
DAIWA SECURITIES GROUP INC COMMON STOCK	579,600	3,656,095	3,864,983
DALLAH HEALTHCARE CO COMMON STOCK SAR10.0	5,035	219,104	201,003
DANONE COMMON STOCK EUR.25	325,858	20,014,560	21,973,179
DANSKE BANK A/S COMMON STOCK DKK10.0	300,392	6,731,767	8,496,702
DAQIN RAILWAY CO LTD A COMMON STOCK CNY1.0	226,400	233,104	210,294
DAR AL ARKAN REAL ESTATE DEV COMMON STOCK SAR10.0	79,970	305,873	321,378
DASSAULT AVIATION SA COMMON STOCK EUR.8	16,925	2,463,600	3,456,095
DASSAULT SYSTEMES SE COMMON STOCK EUR.1	432,382	12,421,462	14,999,008
DATALOGIC SPA COMMON STOCK EUR.52	10,835	80,384	57,445
DATANG INTL POWER GEN CO A COMMON STOCK CNY1.0	128,200	53,594	50,056
DAVIDE CAMPARI MILANO NV COMMON STOCK EUR.01	494,529	4,820,629	3,081,726
DB INSURANCE CO LTD COMMON STOCK KRW500.0	156,098	8,495,262	10,900,298
DBS GROUP HOLDINGS LTD COMMON STOCK	1,822,806	30,048,798	58,417,445
DCC PLC COMMON STOCK EUR.25	78,652	5,748,217	5,063,093
DELHIVERY LTD COMMON STOCK INR1.0	334,295	1,522,276	1,351,608
DELIVERY HERO SE COMMON STOCK	83,904	4,759,509	2,356,256
DELTA ELECTRONICS INC COMMON STOCK TWD10.0	1,380,984	10,982,537	18,133,984
DELTA ELECTRONICS THAI NVDR NVDR THB.1	498,926	604,828	2,231,595
DEMANT A/S COMMON STOCK DKK.2	108,096	2,245,017	3,965,641
DENISON MINES CORP COMMON STOCK	965,207	1,333,904	1,737,373
DENSO CORP COMMON STOCK	1,648,100	19,796,590	23,222,941
DENTSU GROUP INC COMMON STOCK	91,700	3,346,366	2,224,233
DENYO CO LTD COMMON STOCK	2,500	30,044	47,499
DESCARTES SYSTEMS GRP/THE COMMON STOCK	36,800	2,554,312	4,181,004
DEUTSCHE BANK AG REGISTERED COMMON STOCK	962,177	18,719,562	16,579,003
DEUTSCHE BOERSE AG COMMON STOCK	174,548	26,240,140	40,197,568
DEUTSCHE LUFTHANSA REG COMMON STOCK	250,721	2,721,141	1,603,423

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
DEUTSCHE TELEKOM AG REG COMMON STOCK	2,190,836	41,415,420	65,540,166
DHL GROUP COMMON STOCK	487,779	15,916,530	17,163,134
DIAGEO PLC COMMON STOCK GBP.2893518	1,584,999	49,494,782	50,370,710
DIASORIN SPA COMMON STOCK EUR1.0	10,280	2,122,664	1,059,810
DIGITAL HOLDINGS INC COMMON STOCK	1,400	9,495	10,841
DINO POLSKA SA COMMON STOCK PLN.1	7,655	324,188	722,394
DISCO CORP COMMON STOCK	40,300	2,966,829	10,957,107
DISCOVERY LTD COMMON STOCK ZAR.001	86,080	817,120	888,490
DIVERSIFIED ENERGY CO PLC COMMON STOCK GBP.01	2,260	30,395	37,968
DKSH HOLDING AG COMMON STOCK CHF.1	20,301	1,448,656	1,507,594
DNB BANK ASA COMMON STOCK NOK12.5	1,021,465	17,338,176	20,407,085
DOCEBO INC COMMON STOCK	1,300	54,894	58,266
DOLLARAMA INC COMMON STOCK	143,975	4,377,625	14,043,118
DOMINO S PIZZA ENTERPRISES L COMMON STOCK	16,832	442,767	306,810
DONG E E JIAOCO LTD A COMMON STOCK CNY1.0	6,800	52,902	58,430
DONGFANG ELECTRIC CORP LTD A COMMON STOCK CNY1.0	25,300	33,864	55,076
DONGXING SECURITIES CO LT A COMMON STOCK CNY1.0	24,500	38,203	36,955
DOOSAN BOBCAT INC COMMON STOCK KRW500.0	8,320	285,634	236,802
DOOSAN ENERBILITY CO LTD COMMON STOCK KRW5000.0	71,712	1,075,042	854,903
DOWA HOLDINGS CO LTD COMMON STOCK	25,300	925,584	717,338
DR ING HC F PORSCHE AG PREFERENCE	49,788	4,273,083	3,011,871
DR SULAIMAN AL HABIB MEDICAL COMMON STOCK SAR10.0	54,745	4,236,522	4,085,404
DREAM UNLIMITED CL A SUB VOT COMMON STOCK	7,203	144,106	110,785
DRI HEALTHCARE TRUST UNIT	16,908	143,586	139,078
DS SMITH PLC COMMON STOCK GBP.1	243,254	1,151,017	1,651,210
DSM FIRMENICH AG COMMON STOCK EUR.01	80,779	6,618,402	8,173,951
DSV A/S COMMON STOCK DKK1.0	89,646	8,373,688	19,033,095
DTS CORP COMMON STOCK	5,100	24,803	136,132
DUBAI ISLAMIC BANK COMMON STOCK AED1.0	439,616	670,862	848,580
DUERR AG COMMON STOCK	18,977	711,215	421,311
DUKHAN BANK COMMON STOCK QAR1.0	246,045	261,802	249,694
DUNDEE PRECIOUS METALS INC COMMON STOCK	154,618	1,047,772	1,401,904
DUSKIN CO LTD COMMON STOCK	1,400	34,280	33,067
DWS GROUP GMBH + CO KGAA COMMON STOCK	37,821	1,554,229	1,558,713
E INK HOLDINGS INC COMMON STOCK TWD10.0	138,000	803,697	1,149,141
E.ON SE COMMON STOCK	977,773	12,687,001	11,385,382
E.SUN FINANCIAL HOLDING CO COMMON STOCK TWD10.0	2,346,039	1,259,306	1,928,526
EARN CHINA A SHARE EARNEST CHINA A SHARE	50,840	160,914,182	135,268,219
EAST JAPAN RAILWAY CO COMMON STOCK	394,300	9,622,508	7,012,398
EAST MONEY INFORMATION CO A COMMON STOCK CNY1.0	151,617	217,548	536,322
EASTERN CO SAE COMMON STOCK EGP1.0	306,641	253,793	177,964
EASTROC BEVERAGE GROUP CO A COMMON STOCK CNY1.0	4,680	109,146	159,342
EASYJET PLC COMMON STOCK GBP.2728571	267,052	2,001,291	1,872,953
ECLAT TEXTILE COMPANY LTD COMMON STOCK TWD10.0	30,727	370,361	477,056
ECOPRO BM CO LTD COMMON STOCK KRW500.0	7,809	751,540	582,963
ECOPRO CO LTD COMMON STOCK KRW500.0	15,919	2,769,417	621,773
ECOPRO MATERIALS CO LTD COMMON STOCK KRW500.0	2,730	344,382	122,022
ECOVACS ROBOTICS CO LTD A COMMON STOCK CNY1.0	3,300	84,925	21,249
EDENRED COMMON STOCK EUR2.0	212,324	8,303,469	6,980,603
EDP ENERGIAS DE PORTUGAL SA COMMON STOCK EUR1.0	1,374,800	5,319,440	4,400,365
EDP RENOVAVEIS SA COMMON STOCK EUR5.0	134,201	3,125,985	1,395,210
EHIME BANK LTD/THE COMMON STOCK	9,600	73,515	68,292
EIFFAGE COMMON STOCK EUR4.0	31,795	2,745,482	2,789,298
EISAI CO LTD COMMON STOCK	114,600	5,840,488	3,156,677
EIZO CORP COMMON STOCK	3,600	61,291	50,211
ELBIT SYSTEMS LTD COMMON STOCK ILS1.0	11,691	1,413,834	3,057,792
ELECOM CO LTD COMMON STOCK	21,100	244,477	200,045
ELEMENT FLEET MANAGEMENT COR COMMON STOCK	187,800	2,782,133	3,794,652
ELIA GROUP SA/NV COMMON STOCK	12,722	1,526,751	980,118
ELIOR GROUP COMMON STOCK EUR.01	21,623	82,425	63,052
ELIS SA COMMON STOCK EUR1.0	59,486	1,234,253	1,164,198

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ELISA OYJ COMMON STOCK	61,507	1,820,960	2,662,263
ELM CO COMMON STOCK SAR10.0	3,850	969,668	1,142,479
ELMERA GROUP ASA COMMON STOCK NOK.3	89,573	271,921	301,275
EMAAR PROPERTIES PJSC COMMON STOCK AED1.0	3,118,676	6,561,769	10,910,548
EMBRAER SA COMMON STOCK	112,600	950,854	1,024,142
EMEMORY TECHNOLOGY INC COMMON STOCK TWD10.0	10,000	750,295	1,023,349
EMERA INC COMMON STOCK	125,500	5,119,263	4,688,579
EMIRATES NBD PJSC COMMON STOCK AED1.0	299,330	874,963	1,748,037
EMIRATES TELECOM GROUP CO COMMON STOCK AED1.0	555,266	3,781,550	2,467,143
EMPIRE CO LTD A COMMON STOCK	198,005	4,698,154	6,042,581
EMPRESAS CMPC SA COMMON STOCK	172,204	425,720	270,273
EMPRESAS COPEC SA COMMON STOCK	65,575	679,308	400,825
EMPYREAN TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	3,600	49,660	59,727
EMS CHEMIE HOLDING AG REG COMMON STOCK CHF.01	3,056	1,278,969	2,062,062
EN JAPAN INC COMMON STOCK	4,400	144,550	59,382
ENBRIDGE INC COMMON STOCK	1,187,860	43,648,113	50,392,319
ENCHEM CO LTD COMMON STOCK KRW500.0	2,011	403,055	181,545
ENDEAVOUR GROUP LTD/AUSTRALI COMMON STOCK	662,992	3,141,291	1,724,065
ENDEAVOUR MINING PLC COMMON STOCK USD.01	79,267	2,125,198	1,414,654
ENDESA SA COMMON STOCK EUR1.2	232,467	5,029,545	4,999,746
ENEL AMERICAS SA COMMON STOCK	3,714,213	558,075	325,849
ENEL CHILE SA ADR ADR	35,380	104,981	101,894
ENEL CHILE SA COMMON STOCK	3,163,759	496,588	182,918
ENEL SPA COMMON STOCK EUR1.0	3,579,325	19,110,343	25,522,210
ENEOS HOLDINGS INC COMMON STOCK	1,201,000	5,714,576	6,314,497
ENERFLEX LTD COMMON STOCK	63,300	462,544	629,831
ENERGISA SA UNITS UNIT	45,777	379,655	270,312
ENGHOUSE SYSTEMS LTD COMMON STOCK	45,407	1,276,027	855,288
ENGIE BRASIL ENERGIA SA COMMON STOCK	27,500	189,500	158,024
ENGIE COMMON STOCK EUR1.0	832,941	12,110,409	13,205,035
ENI SPA COMMON STOCK	1,011,631	17,869,082	13,712,350
ENN ENERGY HOLDINGS LTD COMMON STOCK HKD.1	135,600	1,015,351	974,937
ENN NATURAL GAS CO LTD A COMMON STOCK CNY1.0	30,900	84,485	91,778
ENQUEST PLC COMMON STOCK GBP.05	84,513	17,332	13,294
ENSIGN ENERGY SERVICES INC COMMON STOCK	14,773	31,920	30,610
ENTAIN PLC COMMON STOCK EUR.01	1,275,379	15,350,796	10,976,539
EOPTOLINK TECHNOLOGY INC L A COMMON STOCK CNY1.0	7,700	48,248	121,926
EPIROC AB A COMMON STOCK SEK.412413	285,897	3,476,149	4,982,190
EPIROC AB B COMMON STOCK SEK.412413	348,461	4,535,172	5,436,991
EQT AB COMMON STOCK SEK.1	161,630	3,660,679	4,477,674
EQUATORIAL ENERGIA SA ORD COMMON STOCK	187,697	824,916	832,474
EQUINOR ASA COMMON STOCK NOK2.5	623,810	14,497,788	14,577,271
EQUINOR ASA SPON ADR ADR	258,090	4,729,148	6,114,152
EREGLI DEMIR VE CELIK FABRIK COMMON STOCK TRY1.0	480,764	369,927	331,744
ERICSSON LM B SHS COMMON STOCK SEK5.0	2,584,805	19,446,820	21,026,067
ERSTE GROUP BANK AG COMMON STOCK	423,640	14,569,754	26,171,603
ESPRINET SPA COMMON STOCK NPV	5,949	35,653	26,637
ESSILORLUXOTTICA COMMON STOCK EUR.18	203,785	26,809,001	49,716,165
ESSITY AKTIEBOLAG B COMMON STOCK SEK3.35	265,355	5,751,408	7,101,430
ESSO STE ANONYME FRANCAISE COMMON STOCK EUR7.65	62	9,769	6,959
ESTABLISHMENT LABS HOLDINGS COMMON STOCK USD1.0	100,285	4,705,012	4,620,130
ETIHAD ETISALAT CO COMMON STOCK SAR10.0	59,878	818,102	850,983
EURAZEO SE COMMON STOCK	19,959	1,326,378	1,487,030
EUROBANK ERGASIAS SERVICES A COMMON STOCK EUR.22	408,166	485,324	942,523
EUROFINS SCIENTIFIC COMMON STOCK EUR.1	192,796	11,649,815	9,844,262
EURONEXT NV COMMON STOCK EUR1.6	161,008	14,778,091	18,056,187
EVA AIRWAYS CORP COMMON STOCK TWD10.0	429,000	508,180	580,340
EVE ENERGY CO LTD A COMMON STOCK CNY1.0	19,333	131,483	123,797
EVERBRIGHT SECURITIE CO A COMMON STOCK CNY1.0	32,300	49,828	80,139
EVERDISPLAY OPTRONICS SHAN A COMMON STOCK CNY1.0	97,222	33,569	30,901
EVERGREEN MARINE CORP LTD COMMON STOCK TWD10.0	169,990	526,597	1,166,641

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
EVN AG COMMON STOCK	5,147	128,163	117,254
EVOLUTION AB COMMON STOCK SEK.003	73,645	5,832,495	5,684,047
EVOLUTION MINING LTD COMMON STOCK	262,485	741,769	781,710
EVONIK INDUSTRIES AG COMMON STOCK	112,059	3,274,686	1,941,301
EXCHANGE INCOME CORP COMMON STOCK	49,225	1,738,310	2,014,248
EXOR NV COMMON STOCK EUR.01	43,478	2,333,041	3,986,651
EXPERIAN PLC COMMON STOCK USD.1	681,209	17,480,697	29,390,883
FABRICA COMMUNICATIONS CO L COMMON STOCK	2,100	49,883	35,383
FAIRFAX FINANCIAL HLDGS LTD COMMON STOCK	16,685	8,665,777	23,202,614
FALABELLA SA COMMON STOCK	128,093	915,471	452,726
FANUC CORP COMMON STOCK	416,600	12,881,227	11,067,097
FAR EAST HORIZON LTD COMMON STOCK	436,000	354,435	318,246
FAR EASTERN NEW CENTURY CORP COMMON STOCK TWD10.0	486,938	468,463	469,345
FAR EASTONE TELECOMM CO LTD COMMON STOCK TWD10.0	290,000	710,309	790,801
FAST RETAILING CO LTD COMMON STOCK	133,500	24,074,386	45,717,549
FASTIGHETS AB BALDER B SHRS COMMON STOCK SEK1.0	280,886	2,315,265	1,952,354
FAW JIEFANG GROUP CO LTD A COMMON STOCK CNY1.0	44,200	81,880	49,654
FDM GROUP HOLDINGS PLC COMMON STOCK GBP.01	2,089	18,786	8,241
FENG TAY ENTERPRISE CO LTD COMMON STOCK TWD10.0	76,469	340,612	310,219
FERGUSON ENTERPRISES INC COMMON STOCK USD.0001	25,722	1,667,281	4,477,778
FERRARI NV COMMON STOCK EUR.01	94,459	14,351,037	40,337,792
FERREXPO PLC COMMON STOCK GBP.1	214,840	463,457	284,671
FERROVIAL SE COMMON STOCK EUR.01	209,400	4,167,387	8,803,449
FF GROUP COMMON STOCK EUR.3	5,064	100,410	25,170
FIBERGATE INC/JAPAN COMMON STOCK	1,800	16,927	10,285
FIERA CAPITAL CORP COMMON STOCK	6,631	42,814	41,588
FINCOBANK SPA COMMON STOCK EUR.33	265,936	3,042,888	4,623,575
FINNING INTERNATIONAL INC COMMON STOCK	95,105	1,791,804	2,518,808
FIRST ABU DHABI BANK PJSC COMMON STOCK AED1.0	703,090	2,921,409	2,630,091
FIRST FINANCIAL HOLDING CO COMMON STOCK TWD10.0	1,825,670	1,073,734	1,509,117
FIRST QUANTUM MINERALS LTD COMMON STOCK	326,055	4,528,337	4,200,945
FIRSTSTRAND LTD COMMON STOCK ZAR.01	825,206	3,126,157	3,321,815
FIRSTSERVICE CORP COMMON STOCK	24,510	3,617,937	4,437,602
FISHER + PAYKEL HEALTHCARE C COMMON STOCK	256,781	2,651,224	5,524,285
FLAT GLASS GROUP CO LTD A COMMON STOCK CNY.25	12,900	75,340	34,798
FLEX LTD COMMON STOCK	108,707	2,591,305	4,173,262
FLIGHT CENTRE TRAVEL GROUP L COMMON STOCK	145,351	1,947,483	1,501,102
FLUIDRA SA COMMON STOCK EUR1.0	96,747	1,913,613	2,356,269
FLUTTER ENTERTAINMENT PLC DI COMMON STOCK EUR.09	25,566	122,148	6,607,533
FOCUS MEDIA INFORMATION TE A COMMON STOCK CNY1.0	163,300	135,487	157,276
FOMENTO ECONOMICO MEX SP ADR ADR	41,705	4,634,881	3,565,360
FOMENTO ECONOMICO MEXICA UBD UNIT	293,300	2,422,825	2,509,577
FORD OTOMOTIV SANAYI AS COMMON STOCK TRY1.0	11,186	157,438	296,412
FORFARMERS NV COMMON STOCK EUR.01	7,218	25,057	25,188
FORMOSA CHEMICALS + FIBRE COMMON STOCK TWD10.0	551,000	1,649,033	458,824
FORMOSA PLASTICS CORP COMMON STOCK TWD10.0	611,000	1,846,727	661,608
FORTESCUE LTD COMMON STOCK	741,911	4,628,161	8,383,217
FORTIS INC COMMON STOCK	217,854	7,616,170	9,047,712
FORTUM OYJ COMMON STOCK EUR3.4	194,629	3,305,787	2,723,791
FORTUNA MINING CORP COMMON STOCK	178,313	827,345	764,978
FORTUNE ELECTRIC CO LTD COMMON STOCK TWD10.0	23,700	463,489	406,994
FORUM ENGINEERING INC COMMON STOCK	2,400	8,656	15,958
FOSHAN HAITIAN FLAVOURING A COMMON STOCK CNY1.0	43,282	303,568	272,171
FOSUN INTERNATIONAL LTD COMMON STOCK	400,500	485,356	234,073
FOUNDER SECURITIES CO LTD A COMMON STOCK CNY1.0	79,200	82,928	90,384
FOXCONN INDUSTRIAL INTERNE A COMMON STOCK CNY1.0	127,500	255,041	375,552
FRANCO NEVADA CORP COMMON STOCK	103,815	7,902,661	12,193,318
FRESENIUS MEDICAL CARE AG COMMON STOCK	387,269	17,352,107	17,708,914
FRESENIUS SE + CO KGAA COMMON STOCK	185,070	9,182,296	6,427,605
FRONTIER DEVELOPMENTS PLC COMMON STOCK GBP.005	16,314	59,135	41,885
FUBON FINANCIAL HOLDING CO COMMON STOCK TWD10.0	2,716,824	5,576,873	7,483,085

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FUJI CORP COMMON STOCK	1,800	25,459	22,632
FUJI ELECTRIC CO LTD COMMON STOCK	102,200	3,979,763	5,565,205
FUJI MEDIA HOLDINGS INC COMMON STOCK	59,200	702,117	652,232
FUJIFILM HOLDINGS CORP COMMON STOCK	833,600	13,798,777	17,551,428
FUJIKURA KASEI CO LTD COMMON STOCK	22,800	77,870	73,698
FUJIKURA LTD COMMON STOCK	108,000	3,946,184	4,499,771
FUJIMORI KOGYO CO LTD COMMON STOCK	5,400	118,305	148,091
FUJISHOJI CO LTD COMMON STOCK	3,100	26,100	27,931
FUJITSU LIMITED COMMON STOCK	961,900	8,062,100	17,134,379
FUKUI COMPUTER HOLDINGS INC COMMON STOCK	5,567	106,067	108,393
FUTU HOLDINGS LTD ADR ADR USD.00001	24,400	2,763,075	1,951,756
FUTURE PLC COMMON STOCK GBP.15	62,983	1,355,096	731,217
FUYAO GLASS INDUSTRY GROUP A COMMON STOCK CNY1.0	16,401	60,775	140,209
FUYAO GLASS INDUSTRY GROUP H COMMON STOCK CNY1.0	108,800	474,921	783,651
GALAXY ENTERTAINMENT GROUP L COMMON STOCK	4,011,000	23,565,757	17,039,631
GALAXYCORE INC A COMMON STOCK CNY1.0	18,657	53,745	34,353
GALDERMA GROUP AG COMMON STOCK CHF.01	36,637	3,673,895	4,068,577
GALIANO GOLD INC COMMON STOCK	67	99	83
GALP ENERGIA SGPS SA COMMON STOCK EUR1.0	201,047	2,948,194	3,320,538
GAMMA COMMUNICATIONS PLC COMMON STOCK GBP.0025	5,567	84,113	106,673
GAMUDA BHD COMMON STOCK	621,278	326,426	658,584
GANFENG LITHIUM GROUP CO L A COMMON STOCK CNY1.0	14,560	71,892	69,835
GCL TECHNOLOGY HOLDINGS LTD COMMON STOCK HKD.1	3,520,000	1,006,706	489,396
GD POWER DEVELOPMENT CO A COMMON STOCK CNY1.0	234,500	111,268	147,140
GEA GROUP AG COMMON STOCK	104,105	3,706,391	5,155,031
GEBERIT AG REG COMMON STOCK CHF.1	20,584	6,856,111	11,688,305
GECINA SA REIT EUR7.5	20,167	2,564,679	1,888,861
GEELY AUTOMOBILE HOLDINGS LT COMMON STOCK HKD.02	991,000	1,402,499	1,890,669
GEM CO LTD A COMMON STOCK CNY1.0	68,300	101,117	61,102
GENIUS SPORTS LTD COMMON STOCK USD.001	420,691	2,584,842	3,638,977
GENMAB A/S COMMON STOCK DKK1.0	36,374	8,157,465	7,538,352
GENSCRIPT BIOTECH CORP COMMON STOCK USD.001	175,000	516,307	221,680
GENTING BHD COMMON STOCK	266,700	518,991	230,227
GENTING MALAYSIA BHD COMMON STOCK	494,200	482,162	249,780
GENTING SINGAPORE LTD COMMON STOCK USD.1	2,645,600	1,960,992	1,483,568
GERDAU SA PEF PREFERENCE	215,123	819,200	631,665
GERRESHEIMER AG COMMON STOCK	13,467	1,270,537	990,101
GETINGE AB B SHS COMMON STOCK SEK.5	95,835	3,845,035	1,574,663
GETLINK SE COMMON STOCK EUR.4	131,010	1,391,783	2,089,856
GF SECURITIES CO LTD A COMMON STOCK CNY1.0	49,900	104,101	110,817
GF SECURITIES CO LTD H COMMON STOCK CNY1.0	4,221,200	5,604,268	5,727,566
GFL ENVIRONMENTAL INC SUB VT COMMON STOCK	100,700	3,122,952	4,486,758
GIANT BIOGENE HOLDING CO LTD COMMON STOCK USD.00001	52,200	255,740	335,324
GIGABYTE TECHNOLOGY CO LTD COMMON STOCK TWD10.0	86,000	897,077	714,820
GIGADEVICE SEMICONDUCTO CL A COMMON STOCK CNY1.0	6,416	98,228	93,877
GILDAN ACTIVEWEAR INC COMMON STOCK	116,147	2,735,337	5,463,318
GINLONG TECHNOLOGIES CO LT A COMMON STOCK CNY1.0	3,450	90,609	28,865
GIVAUDAN REG COMMON STOCK CHF10.0	5,792	16,499,245	25,347,390
GIENSIDIGE FORSIKRING ASA COMMON STOCK NOK2.0	87,622	1,401,324	1,550,716
GLENCORE PLC COMMON STOCK USD.01	6,384,049	28,623,079	28,255,681
GLOBAL E ONLINE LTD COMMON STOCK	70,167	2,571,006	3,826,207
GLOBAL UNICHIP CORP COMMON STOCK TWD10.0	14,000	671,136	580,762
GLOBALWAFERS CO LTD COMMON STOCK TWD10.0	478,000	8,150,280	5,562,293
GLORY LTD COMMON STOCK	4,500	86,127	74,303
GN STORE NORD A/S COMMON STOCK DKK4.0	26,978	342,633	501,042
GOERTEK INC A COMMON STOCK CNY1.0	37,900	97,707	134,014
GOLD FIELDS LTD COMMON STOCK ZAR.5	144,759	1,080,964	1,895,599
GOLD ROAD RESOURCES LTD COMMON STOCK	98,205	109,989	124,647
GOLDWIND SCIENCE + TECHNOL A COMMON STOCK CNY1.0	31,492	67,583	44,568
GONGNIU GROUP CO LTD A COMMON STOCK CNY1.0	6,090	61,260	58,604
GOODMAN GROUP REIT	835,420	7,262,508	18,434,806

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
GOTION HIGH TECH CO LTD A COMMON STOCK CNY1.0	20,900	70,589	60,759
GOTO GOJEK TOKOPEDIA TBK PT COMMON STOCK IDR1.0	143,049,500	1,112,120	622,148
GPT GROUP REIT	832,472	2,961,988	2,252,408
GRAB HOLDINGS LTD CL A COMMON STOCK USD.000001	919,200	3,957,684	4,338,624
GREAT WALL MOTOR CO LTD A COMMON STOCK CNY1.0	18,800	114,539	67,816
GREAT WALL MOTOR CO LTD H COMMON STOCK CNY1.0	401,500	429,968	706,041
GREAT WEST LIFECO INC COMMON STOCK	122,600	2,969,038	4,063,650
GREE ELECTRIC APPLIANCES I A COMMON STOCK CNY1.0	30,800	152,827	191,781
GRG BANKING EQUIPMENT CO A COMMON STOCK CNY1.0	26,900	29,919	42,971
GRIFOLS SA COMMON STOCK EUR.25	130,685	2,317,884	1,237,947
GROUPE BRUXELLES LAMBERT NV COMMON STOCK	38,077	3,143,508	2,604,268
GRUMA S.A.B. B COMMON STOCK	527,673	8,024,903	8,270,605
GRUPO AEROPORT DEL PACIFIC B COMMON STOCK	62,702	612,332	1,105,327
GRUPO AEROPORT DEL SURESTE B COMMON STOCK	28,881	488,113	742,667
GRUPO AEROPORTUARIO DEL CENT COMMON STOCK	47,000	421,828	405,652
GRUPO BIMBO SAB SERIES A COMMON STOCK	210,217	481,201	558,483
GRUPO CARSO SAB DE CV SER A1 COMMON STOCK	88,956	394,161	493,193
GRUPO COMERCIAL CHEDRAUI SA COMMON STOCK	43,300	326,602	260,932
GRUPO EMPRESARIAL SAN JOSE COMMON STOCK EUR.03	6,277	29,010	33,799
GRUPO FINANCIERO BANORTE O COMMON STOCK MXN3.5	3,497,913	25,239,219	22,537,442
GRUPO FINANCIERO INBURSA O COMMON STOCK MXN.4137108	268,283	431,742	559,849
GRUPO MEXICO SAB DE CV SER B COMMON STOCK	917,481	4,312,223	4,365,291
GRUPO TELEvisa SA SPON ADR ADR	355,577	6,026,676	597,369
GS HOLDINGS COMMON STOCK KRW5000.0	7,420	309,172	198,082
GSK PLC COMMON STOCK GBP.3125	1,815,666	37,055,730	30,618,601
GUANGDONG HAID GROUP CO A COMMON STOCK CNY1.0	14,400	65,108	96,766
GUANGDONG INVESTMENT LTD COMMON STOCK	500,000	661,987	431,903
GUANGZHOU BAIYUNSHAN PHAR A COMMON STOCK CNY1.0	16,400	98,250	63,854
GUANGZHOU HAIGE COMMUNICAT A COMMON STOCK CNY1.0	17,600	24,814	26,475
GUANGZHOU TINCI MATERIALS A COMMON STOCK CNY1.0	19,140	102,964	51,710
GULF BANK COMMON STOCK KWD.1	285,186	266,192	301,559
GULF ENERGY DEVELOPM FOREIGN FOREIGN SH. THB1.0 A	344,720	280,549	601,579
GULF ENERGY DEVELOPMENT NVDR NVDR THB1.0	116,999	162,652	204,178
GUNGHO ONLINE ENTERTAINMENT COMMON STOCK	3,800	54,012	80,613
GUNMA BANK LTD/THE COMMON STOCK	608,900	2,230,326	4,130,106
GUOLIAN SECURITIES CO LTD A COMMON STOCK CNY1.0	28,000	52,995	51,863
GUOSEN SECURITIES CO LTD A COMMON STOCK CNY1.0	49,000	76,078	75,186
GUOTAI JUNAN SECURITIES CO A COMMON STOCK CNY1.0	68,400	167,421	174,766
GUOYUAN SECURITIES CO LTD A COMMON STOCK CNY1.0	52,390	58,817	60,003
H WORLD GROUP LTD ADR ADR	33,482	1,338,108	1,105,910
HACI OMER SABANCI HOLDING COMMON STOCK TRY1.0	156,255	201,981	424,216
HAFNIA LTD COMMON STOCK USD.01	161,134	1,022,141	861,899
H Aidilao INTERNATIONAL HOLDI COMMON STOCK USD.000005	285,000	928,253	583,359
HAIER SMART HOME CO LTD A COMMON STOCK CNY1.0	51,600	136,349	201,261
HAIER SMART HOME CO LTD H COMMON STOCK CNY1.0	4,671,000	13,812,658	16,536,216
HAINAN AIRLINES HOLDING CO A COMMON STOCK CNY1.0	464,400	110,583	108,159
HAINAN AIRPORT INFRASTRUCT A COMMON STOCK CNY1.0	102,700	63,027	53,184
HAITIAN INTERNATIONAL HLDGS COMMON STOCK HKD.1	108,000	239,247	293,359
HAITONG SECURITIES CO LTD A COMMON STOCK CNY1.0	63,200	123,162	96,282
HAITONG SECURITIES CO LTD H COMMON STOCK CNY1.0	561,009	811,307	494,714
HAKUHODO DY HOLDINGS INC COMMON STOCK	118,900	1,215,311	906,730
HAL TRUST COMMON STOCK	3,391	433,821	405,213
HALEON PLC COMMON STOCK GBP.01	4,038,454	16,593,258	19,087,984
HALMA PLC COMMON STOCK GBP.1	322,425	8,140,518	10,858,318
HAMAKYOREX CO LTD COMMON STOCK	8,000	46,827	68,669
HAMMOND POWER SOLUTIONS INC COMMON STOCK	9,666	869,796	860,611
HANA FINANCIAL GROUP COMMON STOCK KRW5000.0	47,063	1,615,129	1,815,833
HANG SENG BANK LTD COMMON STOCK	335,000	5,776,803	4,120,682
HANG ZHOU GREAT STAR INDUS A COMMON STOCK CNY1.0	8,500	25,738	37,672
HANGZHOU FIRST APPLIED MAT A COMMON STOCK CNY1.0	26,891	157,370	54,524
HANGZHOU SILAN MICROELECTR A COMMON STOCK CNY1.0	19,400	54,982	69,156

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
HANGZHOU TIGERMED CONSULTI A COMMON STOCK CNY1.0	1,300	9,487	9,728
HANJIN KAL CORP COMMON STOCK KRW2500.0	3,566	168,580	182,642
HANKOOK TIRE + TECHNOLOGY CO COMMON STOCK KRW500.0	498,522	12,476,668	13,003,597
HANKYU HANSHIN HOLDINGS INC COMMON STOCK	100,300	2,962,407	2,627,482
HANMI PHARM CO LTD COMMON STOCK KRW2500.0	1,031	264,980	196,444
HANMI SEMICONDUCTOR CO LTD COMMON STOCK KRW100.0	7,139	344,646	400,073
HANNOVER RUECK SE COMMON STOCK	36,011	4,725,856	9,001,659
HANSOH PHARMACEUTICAL GROUP COMMON STOCK HKD.00001	200,000	776,290	444,905
HANWHA AEROSPACE CO LTD COMMON STOCK KRW5000.0	5,159	480,849	1,144,186
HANWHA OCEAN CO LTD COMMON STOCK KRW5000.0	14,697	356,989	372,878
HAPVIDA PARTICIPACOES E INVE COMMON STOCK	786,006	1,502,050	283,722
HARGREAVES LANSDOWN PLC COMMON STOCK GBP.004	155,536	2,443,047	2,138,830
HARGREAVES SERVICES PLC COMMON STOCK GBP.1	1,043	6,315	7,498
HARMONY GOLD MINING CO LTD COMMON STOCK ZAR.5	92,282	608,228	736,887
HD HYUNDAI COMMON STOCK KRW1000.0	12,668	668,561	681,524
HD HYUNDAI ELECTRIC CO LTD COMMON STOCK KRW5000.0	3,782	833,001	981,370
HD HYUNDAI HEAVY INDUSTRIES COMMON STOCK KRW5000.0	3,557	357,956	694,656
HD KOREA SHIPBUILDING + OFFS COMMON STOCK KRW5000.0	6,787	748,006	1,051,140
HDFC ASSET MANAGEMENT CO LTD COMMON STOCK INR5.0	110,135	5,522,626	5,401,730
HDFC BANK LIMITED COMMON STOCK INR1.0	95,155	2,013,236	1,970,426
HDFC BANK LTD ADR ADR	828,875	49,375,855	52,931,958
HEBEI YANGYUAN ZHIHUI BEVE A COMMON STOCK CNY1.0	13,000	48,747	40,678
HEIDELBERG MATERIALS AG COMMON STOCK	59,703	4,659,316	7,375,419
HEILONGJIANG AGRICULTURE A COMMON STOCK CNY1.0	23,800	53,704	48,094
HEINEKEN HOLDING NV COMMON STOCK EUR1.6	56,785	4,229,824	3,401,630
HEINEKEN NV COMMON STOCK EUR1.6	206,970	18,457,812	14,723,608
HEIWA CORP COMMON STOCK	7,200	115,736	111,463
HELIA GROUP LTD COMMON STOCK	156,045	282,826	431,870
HELLENIC TELECOMMUN ORGANIZA COMMON STOCK EUR2.83	29,083	413,530	448,118
HELVETIA HOLDING AG REG COMMON STOCK CHF.02	15,849	2,241,903	2,612,790
HENAN SHENHUO COAL + POWER A COMMON STOCK CNY1.0	27,440	57,960	63,532
HENAN SHUANGHUI INVESTMENT A COMMON STOCK CNY1.0	43,105	178,757	153,304
HENDERSON LAND DEVELOPMENT COMMON STOCK	848,663	3,043,924	2,578,344
HENGAN INTL GROUP CO LTD COMMON STOCK HKD.1	396,000	1,926,469	1,144,472
HENGLI PETROCHEMICAL CO L A COMMON STOCK CNY1.0	71,359	145,961	150,065
HENGTONG OPTIC ELECTRIC CO A COMMON STOCK CNY1.0	17,200	38,769	40,577
HENKEL AG + CO KGAA COMMON STOCK	45,258	3,320,340	3,486,731
HENKEL AG + CO KGAA VOR PREF PREFERENCE	130,534	11,272,460	11,448,726
HENNES + MAURITZ AB B SHS COMMON STOCK	248,645	5,451,463	3,355,248
HERMES INTERNATIONAL COMMON STOCK	16,124	13,007,181	38,769,047
HEXAGON AB B SHS COMMON STOCK EUR.22	1,888,285	17,662,048	18,046,736
HIKARI TSUSHIN INC COMMON STOCK	7,800	919,434	1,711,275
HIKMA PHARMACEUTICALS PLC COMMON STOCK GBP.1	207,748	5,846,535	5,185,459
HILL + SMITH PLC COMMON STOCK GBP.25	730	16,068	17,078
HINDALCO INDUSTRIES LTD COMMON STOCK INR1.0	386,122	3,223,639	2,717,078
HINDUSTAN UNILEVER LTD COMMON STOCK INR1.0	87,908	2,782,264	2,389,204
HISAMITSU PHARMACEUTICAL CO COMMON STOCK	700	22,932	18,195
HISCOX LTD COMMON STOCK GBP.065	129,427	1,639,608	1,755,482
HISENSE HOME APPLIANCES GR H COMMON STOCK CNY1.0	61,000	277,155	192,786
HITACHI CONSTRUCTION MACHINE COMMON STOCK	48,000	981,059	1,074,166
HITACHI ENERGY INDIA LTD COMMON STOCK INR2.0	32,214	4,883,598	5,422,898
HITACHI LTD COMMON STOCK	3,282,300	26,811,093	82,224,581
HITHINK ROYALFLUSH INFORMA A COMMON STOCK CNY1.0	5,000	88,142	196,938
HKBN LTD COMMON STOCK HKD.0001	144,500	96,003	94,685
HKT TRUST AND HKT LTD SS STAPLED SECURITY HKD.0005	1,587,279	1,944,287	1,961,634
HLA GROUP CORP L A COMMON STOCK CNY1.0	91,700	88,138	94,222
HLB INC COMMON STOCK KRW500.0	19,046	688,188	945,734
HMM CO LTD COMMON STOCK KRW5000.0	41,340	1,470,604	495,917
HOCHIKI CORP COMMON STOCK	2,700	65,043	44,719
HOCHTIEF AG COMMON STOCK	11,796	1,164,163	1,584,254
HOIST FINANCE AB COMMON STOCK SEK.3333333	14,718	52,509	120,283

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
HOKKAIDO GAS CO LTD COMMON STOCK	5,200	18,937	18,463
HOLCIM LTD COMMON STOCK CHF2.0	255,780	13,539,172	24,656,486
HOLMEN AB B SHARES COMMON STOCK SEK25.0	32,973	1,668,263	1,212,176
HOME PRODUCT CENTER PCL FOR FOREIGN SH. THB1.0 A	504,601	179,775	139,119
HOME PRODUCT CENTER PCL NVDR NVDR THB1.0	323,064	130,531	89,069
HON HAI PRECISION INDUSTRY COMMON STOCK TWD10.0	6,129,236	23,016,340	34,399,775
HONDA MOTOR CO LTD COMMON STOCK	1,974,700	18,235,246	19,287,125
HONG KONG + CHINA GAS COMMON STOCK	4,857,590	5,604,109	3,883,346
HONG KONG EXCHANGES + CLEAR COMMON STOCK	581,339	15,685,270	22,062,286
HONG LEONG ASIA LTD COMMON STOCK	44,300	28,206	29,551
HONG LEONG BANK BERHAD COMMON STOCK	98,200	381,656	451,525
HONGKONG LAND HOLDINGS LTD COMMON STOCK USD.1	483,400	3,218,414	2,151,130
HORIBA LTD COMMON STOCK	1,500	100,321	87,350
HORIZON ROBOTICS INC COMMON STOCK USD.0000025	2,533,800	1,313,865	1,174,271
HOSHINE SILICON INDUSTRY C A COMMON STOCK CNY1.0	9,000	145,383	68,506
HOSHIZAKI CORP COMMON STOCK	47,600	1,865,469	1,897,216
HOTAI MOTOR COMPANY LTD COMMON STOCK TWD10.0	47,900	635,446	904,394
HOURLY GLASS LTD/THE COMMON STOCK	26,100	41,655	29,463
HOWDEN JOINERY GROUP PLC COMMON STOCK GBP.1	882,203	10,100,502	8,767,151
HOYA CORP COMMON STOCK	252,900	16,434,399	31,886,062
HSBC HOLDINGS PLC COMMON STOCK USD.5	8,010,215	65,268,794	78,781,238
HUA HONG SEMICONDUCTOR LTD COMMON STOCK	108,000	336,792	301,006
HUA NAN FINANCIAL HOLDINGS C COMMON STOCK TWD10.0	1,467,884	792,166	1,170,833
HUADIAN POWER INTL CORP A COMMON STOCK CNY1.0	117,800	81,716	90,538
HUADONG MEDICINE CO LTD A COMMON STOCK CNY1.0	14,200	52,896	67,311
HUAFON CHEMICAL CO LTD A COMMON STOCK CNY1.0	43,800	56,233	49,085
HUAGONG TECH CO LTD A COMMON STOCK CNY1.0	11,900	56,281	70,592
HUAIBEI MINING HOLDINGS CO A COMMON STOCK CNY1.0	31,500	72,384	60,719
HUALAN BIOLOGICAL ENGINEER A COMMON STOCK CNY1.0	16,230	60,886	37,466
HUANENG LANCANG RIVER HYDR A COMMON STOCK CNY1.0	68,000	100,193	88,595
HUANENG POWER INTL INC A COMMON STOCK CNY1.0	66,300	86,025	61,493
HUANENG POWER INTL INC H COMMON STOCK CNY1.0	824,000	510,190	454,009
HUAQIN TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	2,600	27,051	25,272
HUATAI SECURITIES CO LTD A COMMON STOCK CNY1.0	37,200	99,611	89,646
HUATAI SECURITIES CO LTD H COMMON STOCK CNY1.0	255,200	485,521	431,031
HUAXIA BANK CO LTD A COMMON STOCK CNY1.0	126,900	118,851	139,257
HUAYU AUTOMOTIVE SYSTEMS A COMMON STOCK CNY1.0	45,900	133,321	110,737
HUBEI JUMPCAN PHARMACEUT A COMMON STOCK CNY1.0	11,200	51,063	44,620
HUIZHOU DAIRY	987,900	324,652	53,414
HUIZHOU DESAY SV AUTOMOTIV A COMMON STOCK CNY1.0	5,200	96,353	78,443
HULIC CO LTD COMMON STOCK	202,700	1,726,723	1,766,983
HUMANWELL HEALTHCARE GROUP A COMMON STOCK CNY1.0	28,500	83,302	91,287
HUNAN VALIN STEEL CO LTD A COMMON STOCK CNY1.0	110,600	94,126	63,336
HUNDSUN TECHNOLOGIES INC A COMMON STOCK CNY1.0	16,461	59,251	63,122
HUNTING PLC COMMON STOCK GBP.25	178,877	692,466	647,434
HURXLEY CORP COMMON STOCK	7,400	37,792	32,866
HWATSING TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	2,504	51,772	55,914
HYAKUJUSHI BANK LTD/THE COMMON STOCK	11,900	202,862	247,980
HYBE CO LTD COMMON STOCK KRW500.0	12,928	2,222,069	1,698,383
HYDRO ONE LTD COMMON STOCK	182,218	3,902,385	5,608,949
HYGON INFORMATION TECHNOLO A COMMON STOCK CNY1.0	22,732	246,117	466,490
HYPERA SA COMMON STOCK	64,801	480,537	189,750
HYUNDAI GLOVIS CO LTD COMMON STOCK KRW500.0	5,652	407,980	453,419
HYUNDAI MARINE + FIRE INS CO COMMON STOCK KRW500.0	85,788	2,166,466	1,439,367
HYUNDAI MOBIS CO LTD COMMON STOCK KRW5000.0	85,598	15,372,343	13,751,267
HYUNDAI MOTOR CO COMMON STOCK KRW5000.	36,669	6,903,582	5,280,595
HYUNDAI MOTOR CO LTD 2ND PRF PREFERENCE	7,056	618,897	747,706
HYUNDAI MOTOR CO LTD PRF PREFERENCE	2,746	259,778	284,645
HYUNDAI ROTEM COMPANY COMMON STOCK KRW5000.0	7,971	338,228	269,102
I MOBILE CO LTD COMMON STOCK	35,900	109,479	115,129
IA FINANCIAL CORP INC COMMON STOCK	97,979	4,961,078	9,082,576

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
IBERDROLA SA COMMON STOCK EUR.75	3,063,812	28,712,581	42,195,280
ICHIKOH INDUSTRIES LTD COMMON STOCK	17,100	53,378	43,631
ICICI BANK LTD SPON ADR ADR	1,341,395	21,946,029	40,054,055
ICL GROUP LTD COMMON STOCK ILS1.0	332,682	2,073,226	1,643,483
ICOM INC COMMON STOCK	1,300	24,675	22,822
IDEMITSU KOSAN CO LTD COMMON STOCK	652,005	3,951,324	4,295,948
IDFC FIRST BANK LTD COMMON STOCK INR10.0	5,625,037	4,599,190	4,148,456
IEIT SYSTEMS CO LTD A COMMON STOCK CNY1.0	16,279	76,239	115,704
IFLYTEK CO LTD A COMMON STOCK CNY1.0	20,500	102,539	135,707
IG GROUP HOLDINGS PLC COMMON STOCK GBP.00005	38,668	300,591	479,677
IGM FINANCIAL INC COMMON STOCK	34,277	955,745	1,094,185
IHH HEALTHCARE BHD COMMON STOCK	350,900	490,703	572,866
IHI CORP COMMON STOCK	62,400	2,037,414	3,696,910
IMCD NV COMMON STOCK EUR.16	24,759	5,197,048	3,679,045
IMEIK TECHNOLOGY DEVELOPME A COMMON STOCK CNY1.0	3,080	174,672	77,008
IMPALA PLATINUM HOLDINGS LTD COMMON STOCK NPV	145,109	1,198,146	674,791
IMPERIAL BRANDS PLC COMMON STOCK GBP.1	355,475	12,059,902	11,365,876
IMPERIAL OIL LTD COMMON STOCK	84,100	2,865,006	5,180,378
INARI AMERTRON BHD COMMON STOCK	440,200	364,579	301,244
INCHCAPE PLC COMMON STOCK GBP.1	96,399	907,708	929,018
IND + COMM BK OF CHINA A COMMON STOCK CNY1.0	501,600	382,537	475,538
IND + COMM BK OF CHINA H COMMON STOCK CNY1.0	11,568,000	7,253,078	7,758,711
INDAH KIAT PULP + PAPER TBK COMMON STOCK IDR1000.0	378,700	337,485	159,998
INDOFOOD CBP SUKSES MAKMUR T COMMON STOCK IDR50.0	376,000	247,091	265,735
INDOFOOD SUKSES MAKMUR TBK P COMMON STOCK IDR100.0	725,200	395,682	346,943
INDORAMA VENTURES PCL NVDR NVDR THB1.0	11,129,400	8,382,636	8,127,938
INDUSTRIA DE DISENO TEXTIL COMMON STOCK EUR.03	1,049,832	28,982,211	53,963,698
INDUSTRIAL BANK CO LTD A COMMON STOCK CNY1.0	207,700	538,462	545,197
INDUSTRIAL BANK OF KOREA COMMON STOCK KRW5000.	45,244	471,291	440,408
INDUSTRIAL SECURITIES CO A COMMON STOCK CNY1.0	56,200	50,588	48,198
INDUSTRIAS PENOLES SAB DE CV COMMON STOCK	31,487	648,921	403,114
INDUSTRIES QATAR COMMON STOCK QAR1.0	251,312	975,276	915,933
INDUSTRIVARDEN AB A SHS COMMON STOCK SEK2.5	54,901	1,667,148	1,736,082
INDUSTRIVARDEN AB C SHS COMMON STOCK SEK2.5	82,154	1,951,854	2,595,648
INDUTRADE AB COMMON STOCK SEK1.0	118,712	2,663,904	2,976,059
INFINEON TECHNOLOGIES AG COMMON STOCK	828,746	20,133,792	26,946,429
INFORMA PLC COMMON STOCK GBP.001	600,297	5,737,618	6,002,466
INFOSYS LTD SP ADR ADR	893,045	14,369,238	19,575,546
INFRASTRUTTURE WIRELESS ITAL COMMON STOCK NPV	147,236	1,541,666	1,496,423
INFRAFIL LTD COMMON STOCK	392,627	2,962,403	2,771,614
ING GROEP NV COMMON STOCK EUR.01	1,737,302	20,570,619	27,218,511
INGENIC SEMICONDUCTOR CO A COMMON STOCK CNY1.0	3,500	74,665	32,702
INNER MONGOLIA BAOTOU STE A COMMON STOCK CNY1.0	537,500	133,678	136,966
INNER MONGOLIA JUNZHENG EN A COMMON STOCK CNY1.0	120,600	133,196	86,907
INNER MONGOLIA YILI INDUS A COMMON STOCK CNY1.0	66,200	308,273	273,715
INNOLUX CORP COMMON STOCK TWD10.0	1,200,182	639,242	525,328
INNOVENT BIOLOGICS INC COMMON STOCK USD.00001	196,000	938,313	923,487
INPEX CORP COMMON STOCK	620,300	7,316,069	7,777,432
INPOST SA COMMON STOCK EUR.01	99,001	1,761,658	1,692,532
INR MSCI EMG MKTS CTF	2,813,441	162,399,649	232,277,666
INSTONE REAL ESTATE GROUP SE COMMON STOCK	1,808	17,245	15,839
INSURANCE AUSTRALIA GROUP COMMON STOCK	1,061,380	4,331,537	5,559,520
INTACT FINANCIAL CORP COMMON STOCK	117,771	13,851,576	21,432,488
INTER + CO INC CL A COMMON STOCK	35,500	258,782	149,810
INTERCONEXION ELECTRICA SA COMMON STOCK	70,392	306,523	266,834
INTERCONTINENTAL HOTELS GROU COMMON STOCK GBP.2085213	145,840	9,390,662	18,180,981
INTERNATIONAL GAMES SYSTEM C COMMON STOCK TWD10.0	37,000	1,108,630	1,099,239
INTERNATIONAL PERSONAL FINAN COMMON STOCK GBP.1	66,442	242,884	108,176
INTERTEK GROUP PLC COMMON STOCK GBP.01	282,736	12,234,092	16,741,779
INTESA SANPAOLO COMMON STOCK NPV	7,499,172	19,615,369	29,997,713
INTL CONSOLIDATED AIRLINE DI COMMON STOCK EUR.1	1,444,548	4,310,277	5,461,829

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
INTL CONTAINER TERM SVCS INC COMMON STOCK PHP1.0	165,780	435,787	1,106,251
INTOUCH HOLDINGS PCL NVDR NVDR THB1.0	151,262	383,215	430,339
INVENTEC CORP COMMON STOCK TWD10.0	431,000	411,009	658,637
INVESTMENT AB LATOUR B SHS COMMON STOCK	64,232	1,187,885	1,603,874
INVESTOR AB B SHS COMMON STOCK SEK6.25	764,343	8,741,630	20,247,817
IOI CORP BHD COMMON STOCK	377,400	412,453	327,477
IPH LTD COMMON STOCK	79,290	298,414	246,935
IPSEN COMMON STOCK EUR1.0	58,003	4,707,506	6,648,876
IQIYI INC ADR ADR USD.00007	37,869	976,975	76,117
IRISH CONTINENTAL GROUP PLC UNIT EUR.65	114,221	286,537	612,669
IRSA SP ADR ADR	78,828	1,556,829	1,176,904
IRSA SA IRSA INVERSIONES Y REP CW26	84,440	-	169,724
ISHARES CORE MSCI EAFE ETF	21,312	1,528,537	1,497,807
ISOFTSTONE INFORMATION TEC A COMMON STOCK CNY1.0	10,550	47,629	84,857
ISRACARD LTD COMMON STOCK	1	1	2
ISRAEL DISCOUNT BANK A COMMON STOCK ILS.1	584,654	2,501,848	3,998,622
ISUZU MOTORS LTD COMMON STOCK	249,700	2,929,126	3,429,482
ITAB SHOP CONCEPT AB COMMON STOCK SEK1.25	5,075	12,091	9,600
ITAU UNIBANCO H SPON PRF ADR ADR	756,326	5,681,893	3,751,377
ITAU UNIBANCO HOLDING S PEF PREFERENCE	3,412,026	20,911,708	16,972,176
ITAUSA SA PREFERENCE	902,327	1,915,753	1,289,696
ITFOR INC COMMON STOCK	6,700	49,441	60,835
ITOCHU CORP COMMON STOCK	704,200	15,681,767	35,093,500
ITURAN LOCATION AND CONTROL COMMON STOCK ILS.333333	28,186	751,901	877,994
ITV PLC COMMON STOCK GBP.1	911,082	1,342,979	839,805
IVANHOE MINES LTD CL A COMMON STOCK	358,175	3,171,611	4,248,690
IWAICOSMO HOLDINGS INC COMMON STOCK	12,500	167,751	184,684
IWAKI CO LTD COMMON STOCK	1,800	16,590	29,114
JA SOLAR TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	33,712	147,061	63,505
JAC RECRUITMENT CO LTD COMMON STOCK	18,000	72,815	80,746
JAGUAR MINING INC COMMON STOCK	16,000	66,421	25,365
JAMES HARDIE INDUSTRIES CDI CDI EUR.59	191,215	2,587,110	5,927,828
JAPAN AIRLINES CO LTD COMMON STOCK	59,100	1,640,434	937,304
JAPAN EXCHANGE GROUP INC COMMON STOCK	583,000	4,058,301	6,565,984
JAPAN LIFELINE CO LTD COMMON STOCK	12,100	84,307	106,171
JAPAN MEDICAL DYNAMIC MKT COMMON STOCK	7,600	39,357	29,644
JAPAN PETROLEUM EXPLORATION COMMON STOCK	40,500	270,246	292,489
JAPAN POST BANK CO LTD COMMON STOCK	751,500	7,323,106	7,146,327
JAPAN POST HOLDINGS CO LTD COMMON STOCK	1,138,300	11,353,042	10,795,598
JAPAN POST INSURANCE CO LTD COMMON STOCK	184,400	3,166,355	3,410,860
JAPAN REAL ESTATE INVESTMENT REIT	2,760	2,672,663	1,894,910
JAPAN TOBACCO INC COMMON STOCK	524,700	13,423,163	13,621,634
JARDINE CYCLE + CARRIAGE LTD COMMON STOCK	10,400	228,363	215,974
JARDINE MATHESON HLDGS LTD COMMON STOCK USD.25	187,840	9,084,824	7,695,805
JARIR MARKETING CO COMMON STOCK SAR1.0	96,668	336,615	325,708
JBS SA COMMON STOCK	124,287	515,120	730,289
JCDECAUX SE COMMON STOCK	5,411	80,754	84,943
JCET GROUP CO LTD A COMMON STOCK CNY1.0	21,400	96,429	119,794
JCHX MINING MANAGEMENT CO A COMMON STOCK CNY1.0	4,800	37,705	23,871
JCU CORP COMMON STOCK	2,000	45,281	48,931
JD HEALTH INTERNATIONAL INC COMMON STOCK USD.0000005	178,000	1,607,559	643,902
JD LOGISTICS INC COMMON STOCK USD.000025	317,700	510,900	523,505
JD SPORTS FASHION PLC COMMON STOCK GBP.0025	1,128,783	2,335,928	1,355,727
JD.COM INC ADR ADR USD.00002	343,694	16,734,470	11,915,871
JD.COM INC CLASS A COMMON STOCK USD.00002	1,478,822	25,248,704	25,890,974
JDE PEET S NV COMMON STOCK	53,280	1,738,480	911,984
JENTECH PRECISION INDUSTRIAL COMMON STOCK TWD10.0	12,000	546,996	558,191
JERONIMO MARTINS COMMON STOCK EUR1.0	122,160	1,995,180	2,333,864
JET2 PLC COMMON STOCK GBP.0125	999	20,803	19,806
JFE HOLDINGS INC COMMON STOCK	247,900	4,352,754	2,806,936
JFROG LTD COMMON STOCK	44,180	1,304,605	1,299,334

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
JG SUMMIT HOLDINGS INC COMMON STOCK PHP1.0	382,378	483,018	135,844
JIANGSU EASTERN SHENGHONG A COMMON STOCK CNY1.0	64,400	166,073	72,435
JIANGSU EXPRESS CO LTD H COMMON STOCK CNY1.0	310,000	362,492	342,407
JIANGSU HENGLI HYDRAULIC C A COMMON STOCK CNY1.0	11,552	51,772	83,515
JIANGSU HENGRUI PHARMACEUT A COMMON STOCK CNY1.0	581,032	4,718,042	3,653,714
JIANGSU KING S LUCK BREWER A COMMON STOCK CNY1.0	12,500	53,234	77,457
JIANGSU NHWA PHARMACEUTICA A COMMON STOCK CNY1.0	14,900	53,893	49,706
JIANGSU PHOENIX PUBLISH A COMMON STOCK CNY1.0	33,300	50,050	52,647
JIANGSU YANGHE BREWERY A COMMON STOCK CNY1.0	15,000	257,393	171,655
JIANGSU YOKE TECHNOLOGY A COMMON STOCK CNY1.0	3,100	25,062	24,611
JIANGSU YUYUE MEDICAL EQU A COMMON STOCK CNY1.0	15,300	65,301	76,487
JIANGSU ZHONGTIAN TECHNOLO A COMMON STOCK CNY1.0	31,100	35,988	61,013
JIANGXI COPPER CO LTD A COMMON STOCK CNY1.0	21,300	65,056	60,230
JIANGXI COPPER CO LTD H COMMON STOCK CNY1.0	211,000	350,515	338,450
JINDUICHENG MOLYBDENUM CO A COMMON STOCK CNY1.0	32,900	50,240	45,344
JINKO SOLAR CO LTD A COMMON STOCK CNY1.0	104,053	155,384	101,355
JK HOLDINGS CO LTD COMMON STOCK	3,200	25,013	21,156
JOHN WOOD GROUP PLC COMMON STOCK GBP.042857	380,694	1,430,432	312,768
JOHNSON ELECTRIC HOLDINGS COMMON STOCK HKD.05	224,176	422,453	314,564
JOINTOWN PHARMACEUTICAL A COMMON STOCK CNY1.0	82,611	58,136	57,947
JOLLIBEE FOODS CORP COMMON STOCK PHP1.0	71,200	302,482	331,106
JS GLOBAL LIFESTYLE CO LTD COMMON STOCK USD.00001	492,781	104,437	88,178
JSC KASPI.KZ ADR ADR	67,577	8,521,123	6,400,218
JULIUS BAER GROUP LTD COMMON STOCK CHF.02	180,887	9,174,626	11,708,504
JUMBO SA COMMON STOCK EUR.88	18,114	302,113	479,430
JUNYAO AIRLINES CO LTD A COMMON STOCK CNY1.0	19,200	36,860	36,037
JUPITER FUND MANAGEMENT COMMON STOCK GBP.02	252,978	928,552	274,691
JUROKU FINANCIAL GROUP INC COMMON STOCK	7,800	198,974	212,420
JUSTSYSTEMS CORP COMMON STOCK	200	4,592	4,473
KAJIMA CORP COMMON STOCK	183,700	2,222,800	3,367,522
KAKAO CORP COMMON STOCK KRW100.0	48,219	1,513,517	1,251,208
KAKAOBANK CORP COMMON STOCK KRW5000.0	25,758	1,088,209	368,309
KALBE FARMA TBK PT COMMON STOCK IDR10.	3,556,500	383,450	300,518
KAMEI CORP COMMON STOCK	243	2,688	2,919
KANGMEI PHARMACEUTICAL CO RIGHTS	4,369	-	-
KANSAI ELECTRIC POWER CO INC COMMON STOCK	405,100	5,704,225	4,519,871
KANZHUN LTD ADR ADR USD.0001	42,200	969,433	582,360
KAO CORP COMMON STOCK	202,400	8,791,080	8,226,847
KASIKORNBANK PCL FOREIGN FOREIGN SH. THB10.0 A	91,706	380,536	418,251
KAWASAKI KISEN KAISHA LTD COMMON STOCK	176,700	1,321,739	2,534,806
KB FINANCIAL GROUP INC COMMON STOCK KRW5000.0	434,786	19,296,675	24,483,755
KBC GROUP NV COMMON STOCK	317,166	21,058,064	24,480,830
KDDI CORP COMMON STOCK	687,700	15,671,261	22,062,760
KE HOLDINGS INC ADR ADR USD.00002	188,873	4,399,695	3,479,041
KEPPEL LTD COMMON STOCK	632,850	2,036,810	3,173,064
KERING COMMON STOCK EUR4.0	46,398	19,067,579	11,446,753
KERRY GROUP PLC A COMMON STOCK EUR.125	67,963	4,704,448	6,562,533
KERRY LOGISTICS NETWORK LTD COMMON STOCK HKD.5	214,000	411,563	189,538
KESKO OYJ B SHS COMMON STOCK	118,637	3,056,498	2,233,388
KEYENCE CORP COMMON STOCK	121,800	31,501,307	50,088,661
KEYERA CORP COMMON STOCK	123,375	3,421,067	3,771,078
KGHM POLSKA MIEDZ SA COMMON STOCK PLN10.0	20,637	648,838	574,555
KIA CORP COMMON STOCK KRW5000.0	87,834	5,578,166	6,008,140
KID ASA COMMON STOCK NOK1.2	6,149	76,689	72,549
KIKKOMAN CORP COMMON STOCK	303,500	1,827,904	3,403,657
KIMBERLY CLARK DE MEXICO A COMMON STOCK	1,443,995	2,091,931	2,041,743
KINAXIS INC COMMON STOCK	1,700	193,581	204,657
KINDEN CORP COMMON STOCK	41,400	838,241	799,761
KINGDEE INTERNATIONAL SFTWR COMMON STOCK HKD.025	481,000	616,754	528,187
KINGFISHER PLC COMMON STOCK GBP.157143	828,098	3,149,342	2,579,292
KINGSOFT CORP LTD COMMON STOCK USD.0005	145,400	409,581	629,859

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
KINGSPAN GROUP PLC COMMON STOCK EUR.13	233,539	17,668,311	17,036,899
KINIKSA PHARMACEUTICALS INTE COMMON STOCK USD.000273	139,178	2,128,083	2,752,941
KINROSS GOLD CORP COMMON STOCK	592,275	3,913,736	5,497,755
KIRIN HOLDINGS CO LTD COMMON STOCK	535,000	8,748,461	6,975,153
KLABIN SA UNIT UNIT	114,801	529,094	431,118
KLAVENESS COMBINATION CARRIE COMMON STOCK NOK1.0	13,327	128,045	87,420
KLEPIERRE REIT EUR1.4	182,822	6,061,804	5,262,879
KNIGHT THERAPEUTICS INC COMMON STOCK	11,100	48,433	41,214
KNORR BREMSE AG COMMON STOCK	37,528	3,686,958	2,733,818
KOBE BUSSAN CO LTD COMMON STOCK	65,900	1,652,279	1,442,454
KOC HOLDING AS COMMON STOCK TRY1.0	124,487	464,430	628,763
KOKUSAI ELECTRIC CORP COMMON STOCK	226,600	6,229,831	3,092,753
KOMATSU LTD COMMON STOCK	385,600	8,182,171	10,672,945
KOMERCNI BANKA AS COMMON STOCK CZK100.0	12,317	434,185	429,870
KOMERI CO LTD COMMON STOCK	3,100	80,934	65,192
KOMORI CORP COMMON STOCK	14,000	126,983	107,610
KONAMI GROUP CORP COMMON STOCK	42,900	1,577,269	4,039,959
KONE OYJ B COMMON STOCK	234,386	9,975,882	11,407,216
KONGSBERG GRUPPEN ASA COMMON STOCK NOK1.25	56,194	2,824,255	6,333,196
KONINKLIJKE AHOLD DELHAIZE N COMMON STOCK EUR.01	795,622	20,518,654	25,943,560
KONINKLIJKE BAM GROEP NV COMMON STOCK EUR.1	8,905	40,974	38,710
KONINKLIJKE KPN NV COMMON STOCK EUR.04	3,130,150	10,762,599	11,393,066
KONINKLIJKE PHILIPS NV COMMON STOCK EUR.2	351,691	9,051,938	8,885,896
KONOIKE TRANSPORT CO LTD COMMON STOCK	2,800	27,659	55,052
KOREA AEROSPACE INDUSTRIES COMMON STOCK KRW5000.0	11,765	496,654	438,745
KOREA ELECTRIC POWER CORP COMMON STOCK KRW5000.0	41,309	1,181,631	562,609
KOREA INVESTMENT HOLDINGS CO COMMON STOCK KRW5000.0	5,898	280,385	285,655
KOREA ZINC CO LTD COMMON STOCK KRW5000.0	1,300	519,507	888,361
KOREAN AIR LINES CO LTD COMMON STOCK KRW5000.0	24,474	500,602	375,717
KORNIT DIGITAL LTD COMMON STOCK ILS.01	41,514	1,044,853	1,284,858
KOTAK MAHINDRA BANK LTD COMMON STOCK INR5.0	403,531	8,893,521	8,418,350
KRAFTON INC COMMON STOCK KRW100.0	4,553	1,535,073	966,486
KRONES AG COMMON STOCK	1,997	151,284	248,147
KRUNG THAI BANK PUB CO FOREI FOREIGN SH. THB5.15 A	547,000	303,040	336,912
KRUNGTHAI CARD PCL NVDR NVDR THB1.0	117,475	159,236	172,276
KT+G CORP COMMON STOCK KRW5000.0	16,822	1,375,951	1,223,813
KUAISHOU TECHNOLOGY COMMON STOCK USD.0000053	431,000	4,626,828	2,294,280
KUALA LUMPUR KEPONG BHD COMMON STOCK	78,170	452,719	381,104
KUANG CHI TECHNOLOGIES CO A COMMON STOCK CNY1.0	22,000	77,738	144,070
KUBOTA CORP COMMON STOCK	513,000	6,767,510	6,002,844
KUEHNE NAGEL INTL AG REG COMMON STOCK CHF1.0	21,118	3,035,041	4,842,285
KUMBA IRON ORE LTD COMMON STOCK ZAR.0001	10,390	268,159	179,636
KUMHO PETROCHEMICAL CO LTD COMMON STOCK KRW5000.0	2,269	208,189	139,640
KUNLUN ENERGY CO LTD COMMON STOCK HKD.01	720,000	550,226	778,584
KUNLUN TECH CO LTD A COMMON STOCK CNY1.0	10,900	85,183	57,462
KURIYAMA HOLDINGS CORP COMMON STOCK	3,100	24,851	24,558
KUWAIT FINANCE HOUSE COMMON STOCK KWD.0001	1,686,815	3,722,265	4,081,622
KWEICHOW MOUTAI CO LTD A COMMON STOCK CNY1.0	72,203	12,684,541	15,075,161
KYOCERA CORP COMMON STOCK	559,200	6,860,576	5,605,877
KYODO PRINTING CO LTD COMMON STOCK	1,800	36,742	46,157
KYOKUTO SECURITIES COMMON STOCK	2,900	22,462	27,494
KYOWA KIRIN CO LTD COMMON STOCK	125,386	1,844,412	1,895,231
L OREAL COMMON STOCK EUR.2	174,158	48,219,479	61,649,440
L+F CO LTD COMMON STOCK KRW500.0	3,722	706,987	204,790
LA FRANCAISE DES JEUX SAEM COMMON STOCK	45,574	1,584,481	1,756,482
LAGARDERE SA COMMON STOCK EUR6.1	573	14,110	12,045
LAND SECURITIES GROUP PLC REIT GBP.1066667	306,984	3,689,576	2,245,286
LARGAN PRECISION CO LTD COMMON STOCK TWD10.0	16,000	1,586,839	1,305,495
LARSEN + TOUBRO LTD COMMON STOCK INR2.0	146,899	6,428,218	6,190,129
LASERTEC CORP COMMON STOCK	46,900	5,037,431	4,531,538
LASSONDE INDS INC CLASS A COMMON STOCK	1,200	119,263	154,218

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
LATAM AIRLINES GROUP SA COMMON STOCK	21,325,884	208,947	294,416
LB GROUP CO LTD A COMMON STOCK CNY1.0	28,600	125,541	69,235
LEG IMMOBILIEN SE COMMON STOCK	31,928	3,818,410	2,704,426
LEGAL + GENERAL GROUP PLC COMMON STOCK GBP.025	2,597,877	6,667,723	7,476,729
LEGEND BIOTECH CORP ADR ADR	11,900	590,168	387,226
LEGRAND SA COMMON STOCK EUR4.0	276,693	22,394,861	26,943,928
LENOVO GROUP LTD COMMON STOCK	1,322,000	1,094,191	1,715,480
LENS TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	48,200	97,752	144,615
LEONARDO SPA COMMON STOCK EUR4.4	783,654	9,949,855	21,041,514
LG CHEM LTD COMMON STOCK KRW5000.0	25,696	6,833,665	4,363,686
LG CHEM LTD PREFERENCE PREFERENCE	15,310	2,986,389	1,651,481
LG CORP COMMON STOCK KRW5000.0	15,144	908,807	740,664
LG DISPLAY CO LTD COMMON STOCK KRW5000.0	45,764	790,503	283,820
LG ELECTRONICS INC COMMON STOCK KRW5000.0	16,877	1,056,693	957,259
LG ENERGY SOLUTION COMMON STOCK KRW500.0	7,509	2,941,928	1,775,045
LG H+H COMMON STOCK KRW5000.0	1,330	984,256	275,549
LG INNOTEK CO LTD COMMON STOCK KRW5000.0	2,055	265,461	226,139
LG UPLUS CORP COMMON STOCK KRW5000.0	220,709	2,686,814	1,548,704
LI AUTO INC ADR ADR USD.0001	17,757	408,938	425,990
LI AUTO INC CLASS A COMMON STOCK USD.0001	163,800	2,071,904	1,981,090
LI NING CO LTD COMMON STOCK HKD.1	377,000	1,420,339	798,849
LIAONING PORT CO LTD A COMMON STOCK CNY1.0	317,900	82,294	75,346
LIECHTENSTEIN LANDESBANK COMMON STOCK CHF5.0	312	22,223	24,203
LIFCO AB B SHS COMMON STOCK SEK.2	101,522	2,653,836	2,945,716
LIFULL CO LTD COMMON STOCK	35,200	51,997	45,915
LINGYI ITECH GUANGDONG CO A COMMON STOCK CNY1.0	56,200	83,418	61,595
LINK REIT REIT	1,120,003	6,785,589	4,736,397
LITE ON TECHNOLOGY CORP COMMON STOCK TWD10.0	340,385	649,613	1,033,059
LLOYDS BANKING GROUP PLC COMMON STOCK GBP.1	35,601,213	31,158,622	24,424,735
LOBLAW COMPANIES LTD COMMON STOCK	107,418	5,829,698	14,128,955
LOCALIZA RENT A CAR COMMON STOCK	146,798	1,189,540	765,136
LOGITECH INTERNATIONAL REG COMMON STOCK CHF.25	173,099	13,069,894	14,333,075
LONDON STOCK EXCHANGE GROUP COMMON STOCK GBP.06918605	299,861	23,094,369	42,380,354
LONGFOR GROUP HOLDINGS LTD COMMON STOCK HKD.1	327,134	718,144	421,133
LONGI GREEN ENERGY TECHNOL A COMMON STOCK CNY1.0	74,020	237,747	159,311
LONSEAL CORP COMMON STOCK	700	16,907	6,592
LONZA GROUP AG REG COMMON STOCK CHF1.0	69,219	28,222,411	40,924,182
LOONGSON TECHNOLOGY CORP L A COMMON STOCK CNY1.0	2,232	45,252	40,449
LOTTE CHEMICAL CORP COMMON STOCK KRW5000.0	2,616	646,821	106,264
LOTTE CORP COMMON STOCK KRW200.0	15,462	924,112	228,966
LOTTERY CORP LTD/THE COMMON STOCK	1,349,303	3,906,912	4,126,981
LOTUS BAKERIES COMMON STOCK	175	1,388,192	1,953,471
LPP SA COMMON STOCK PLN2.0	170	408,867	639,980
LS ELECTRIC CO LTD COMMON STOCK KRW5000.0	2,451	298,254	267,718
LUK FOOK HOLDINGS INTL LTD COMMON STOCK HKD.1	52,000	131,106	95,994
LUMINE GROUP INC COMMON STOCK	5,787	60,251	165,538
LUNDBERGS AB B SHS COMMON STOCK	41,185	1,671,321	1,867,429
LUNDIN MINING CORP COMMON STOCK	284,720	1,984,859	2,448,885
LUXSHARE PRECISION INDUSTR A COMMON STOCK CNY1.0	74,350	242,158	415,180
LUZHOU LAOJIAO CO LTD A COMMON STOCK CNY1.0	13,800	186,702	236,704
LVMH MOET HENNESSY LOUIS VUI COMMON STOCK EUR.3	154,345	54,219,959	101,568,314
LY CORP COMMON STOCK	1,258,300	4,524,031	3,357,922
M+G PLC COMMON STOCK GBP.05	973,419	2,187,690	2,412,009
M1 KLINIKEN AG COMMON STOCK	2,332	33,169	40,085
M3 INC COMMON STOCK	304,300	4,044,701	2,704,932
MABANEE CO KPSC COMMON STOCK KWD.1	94,554	182,757	233,701
MAC COPPER LTD COMMON STOCK USD.0001	2,440	33,369	25,913
MACQUARIE GROUP LTD COMMON STOCK	201,745	16,418,182	27,686,402
MACROTECH DEVELOPERS LTD COMMON STOCK INR10.0	383,067	6,731,502	6,216,680
MAGNA INTERNATIONAL INC COMMON STOCK	164,859	6,708,642	6,886,892
MAHINDRA + MAHINDRA SPON GDR GDR	514,084	7,382,868	18,198,574

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
MAKEMYTRIP LTD COMMON STOCK	70,578	5,056,742	7,924,498
MAKINO MILLING MACHINE CO COMMON STOCK	11,300	359,104	772,938
MAKITA CORP COMMON STOCK	118,500	3,210,982	3,651,664
MALAYAN BANKING BHD COMMON STOCK	2,525,499	5,649,692	5,783,542
MALAYSIA AIRPORTS HLDGS BHD COMMON STOCK	124,213	222,573	293,900
MAN GROUP PLC/JERSEY COMMON STOCK USD.03428571	102,278	302,172	274,631
MAN WAH HOLDINGS LTD COMMON STOCK HKD.4	8,322,400	5,332,318	5,153,322
MANGO EXCELLENT MEDIA CO L A COMMON STOCK CNY1.0	15,250	56,504	56,180
MANILA ELECTRIC COMPANY COMMON STOCK PHP10.0	49,280	324,370	415,743
MANULIFE FINANCIAL CORP COMMON STOCK	1,055,403	20,962,496	32,406,200
MARCO POLO MARINE LTD COMMON STOCK	45,223	1,447	1,790
MAREX GROUP PLC COMMON STOCK	33,979	701,869	1,059,125
MARKS + SPENCER GROUP PLC COMMON STOCK GBP.01	885,066	4,220,705	4,162,254
MARTINREA INTERNATIONAL INC COMMON STOCK	31,200	296,227	195,678
MARUBENI CORP COMMON STOCK	620,600	4,001,191	9,447,604
MARUTI SUZUKI INDIA LTD COMMON STOCK INR5.0	72,132	10,903,076	9,148,508
MARUZEN CO LTD COMMON STOCK	2,700	39,901	59,786
MASRAF AL RAYAN COMMON STOCK QAR1.0	851,146	1,037,717	575,768
MATCHING SERVICE JAPAN CO LT COMMON STOCK	4,800	39,848	33,627
MATSUKIYOCOKARA + CO COMMON STOCK	150,300	2,318,558	2,204,387
MAX HEALTHCARE INSTITUTE LTD COMMON STOCK INR10.0	479,125	5,514,002	6,313,529
MAXELL LTD COMMON STOCK	19,100	208,344	227,508
MAXIS BHD COMMON STOCK	346,800	454,141	283,086
MAXSCEND MICROELECTRONICS A COMMON STOCK CNY1.0	4,064	87,832	49,942
MAYTRONICS LTD COMMON STOCK ILS.1	5,268	13,484	14,144
MAZDA MOTOR CORP COMMON STOCK	369,700	3,757,923	2,548,803
MBANK SA COMMON STOCK PLN4.0	1,931	210,267	255,809
MBB SE COMMON STOCK	82	8,965	8,483
MCDONALD S HOLDINGS CO JAPAN COMMON STOCK	37,500	1,300,637	1,476,998
MDA SPACE LTD COMMON STOCK	19,843	249,398	407,429
MEDIATEK INC COMMON STOCK TWD10.0	1,062,910	15,503,524	45,875,876
MEDIBANK PRIVATE LTD COMMON STOCK	1,830,963	3,932,488	4,296,500
MEDIOBANCA SPA COMMON STOCK NPV	220,605	2,081,288	3,215,244
MEDIPAL HOLDINGS CORP COMMON STOCK	24,500	483,954	371,101
MEDIWOUND LTD COMMON STOCK ILS.01	219	3,401	3,898
MEG ENERGY CORP COMMON STOCK	123,000	2,328,063	2,018,356
MEGA FINANCIAL HOLDING CO LT COMMON STOCK TWD10.0	1,932,928	1,697,259	2,281,698
MEGACHIPS CORP COMMON STOCK	15,300	370,807	615,271
MEGMILK SNOW BRAND CO LTD COMMON STOCK	25,700	544,988	451,663
MEIHUA HOLDINGS GROUP CO A COMMON STOCK CNY1.0	42,400	53,629	58,262
MEIJI ELECTRIC INDUSTRIES CO COMMON STOCK	2,500	24,407	22,907
MEIJI HOLDINGS CO LTD COMMON STOCK	101,100	2,831,553	2,059,182
MEITEC GROUP HOLDINGS INC COMMON STOCK	33,000	560,152	622,582
MEITUAN CLASS B COMMON STOCK USD.00001	2,400,950	51,092,454	46,888,061
MELROSE INDUSTRIES PLC COMMON STOCK GBP.07619048	1,601,321	10,093,669	11,106,427
MENSCH UND MASCHINE SOFTWARE COMMON STOCK	7	515	383
MERCADOLIBRE INC COMMON STOCK USD.001	18,583	16,623,292	31,599,277
MERCEDES BENZ GROUP AG COMMON STOCK NPV	335,515	18,537,878	18,691,508
MERCK KGAA COMMON STOCK	98,448	12,487,424	14,261,813
MERCURY NZ LTD COMMON STOCK	306,533	961,831	1,004,651
MERDEKA COPPER GOLD TBK PT COMMON STOCK IDR20.0	1,463,892	243,527	146,889
MERIDIAN ENERGY LTD COMMON STOCK	574,415	1,263,789	1,901,933
MERITZ FINANCIAL GROUP INC COMMON STOCK KRW500.0	15,286	520,309	1,079,879
MERSEN COMMON STOCK EUR2.0	9,047	192,768	192,984
MESAIEED PETROCHEMICAL HOLDI COMMON STOCK QAR1.0	875,647	545,754	359,542
METALLURGICAL CORP OF CHIN A COMMON STOCK CNY1.0	151,700	78,491	68,584
METRO INC/CN COMMON STOCK	93,166	2,600,145	5,839,880
METROPOLITAN BANK + TRUST COMMON STOCK PHP20.0	280,697	387,292	349,385
METSO CORP COMMON STOCK	269,266	2,892,166	2,503,848
MICHELIN (CGDE) COMMON STOCK EUR.5	722,468	20,572,845	23,790,078
MICRO STAR INTERNATIONAL CO COMMON STOCK TWD10.0	114,000	362,356	638,076

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
MIDEA GROUP CO LTD A COMMON STOCK CNY1.0	32,500	283,234	334,918
MIDEA GROUP CO LTD COMMON STOCK CNY1.0	62,600	684,521	608,839
MIND MEDICINE MINDMED INC COMMON STOCK	3,517	25,373	24,478
MIINEBEA MITSUMI INC COMMON STOCK	156,400	2,206,377	2,557,074
MINERAL RESOURCES LTD COMMON STOCK	75,682	2,637,684	1,604,904
MINISO GROUP HOLDING LTD ADR ADR USD.00001	16,611	302,007	396,837
MINOR INTERNATIONAL PCL FOR FOREIGN SH. THB1.0 A	182,310	187,467	139,025
MINOR INTERNATIONAL PCL NVDR NVDR THB1.0	316,850	281,023	241,622
MINTH GROUP LTD COMMON STOCK HKD.1	1,904,000	4,545,299	3,706,059
MIRAE ASSET SECURITIES CO LT COMMON STOCK KRW5000.0	33,176	207,278	180,962
MIRVAC GROUP REIT	1,728,726	2,674,140	2,006,889
MISC BHD COMMON STOCK	206,400	343,444	350,808
MITIE GROUP PLC COMMON STOCK GBP.025	21,126	27,285	29,104
MITO SECURITIES CO LTD COMMON STOCK	37,600	85,742	137,088
MITSUBISHI CHEMICAL GROUP CO COMMON STOCK	592,700	3,779,826	3,015,921
MITSUBISHI CORP COMMON STOCK	1,533,500	13,146,111	25,408,717
MITSUBISHI ELECTRIC CORP COMMON STOCK	1,201,000	14,799,917	20,533,768
MITSUBISHI ESTATE CO LTD COMMON STOCK	493,400	8,610,152	6,908,416
MITSUBISHI HC CAPITAL INC COMMON STOCK	387,300	2,072,013	2,567,871
MITSUBISHI HEAVY INDUSTRIES COMMON STOCK	1,902,700	7,921,429	26,913,350
MITSUBISHI KAKOKI KAISHA LTD COMMON STOCK	1,700	28,141	40,834
MITSUBISHI LOGISTICS CORP COMMON STOCK	117,000	607,905	862,090
MITSUBISHI RESEARCH INSTITUT COMMON STOCK	2,900	105,013	89,495
MITSUBISHI UFJ FINANCIAL GRO COMMON STOCK	7,064,300	45,961,938	82,977,207
MIITSUI + CO LTD COMMON STOCK	1,110,500	11,382,484	23,395,683
MIITSUI CHEMICALS INC COMMON STOCK	78,400	1,619,790	1,731,026
MIITSUI FUDOSAN CO LTD COMMON STOCK	1,591,400	12,249,437	12,860,003
MIITSUI OSK LINES LTD COMMON STOCK	150,800	4,029,211	5,285,101
MIXI INC COMMON STOCK	74,800	2,360,444	1,451,642
MIZRAHI TEFAHOT BANK LTD COMMON STOCK ILS.1	66,206	1,082,826	2,863,630
MIZUHO FINANCIAL GROUP INC COMMON STOCK	1,065,280	22,069,394	26,252,414
MIZUNO CORP COMMON STOCK	400	11,637	22,805
MMC NORILSK NICKEL PJSC ADR ADR	9	0	-
MMG LTD COMMON STOCK	718,400	307,357	236,755
MOBILE TELECOMMUNICATIONS CO COMMON STOCK KWD.1	321,400	608,140	488,928
MOBILE TELECOMMUNICATIONS CO COMMON STOCK SAR10.0	64,867	194,332	177,127
MOL HUNGARIAN OIL AND GAS PL COMMON STOCK HUF125.0	937,873	7,401,066	6,445,097
MONCLER SPA COMMON STOCK NPV	408,607	23,322,274	21,570,279
MONDAY.COM LTD COMMON STOCK	16,053	3,065,532	3,779,518
MONDI PLC COMMON STOCK EUR.2	190,130	4,424,826	2,838,376
MONETA MONEY BANK AS COMMON STOCK CZK20.0	43,355	139,773	220,770
MONOTARO CO LTD COMMON STOCK	102,400	1,355,614	1,740,982
MONTAGE TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	12,143	118,809	112,958
MOONLAKE IMMUNOTHERAPEUTICS COMMON STOCK USD.0001	43,399	2,090,911	2,350,056
MORESCO CORP COMMON STOCK	2,300	24,993	20,108
MORGAN SINDALL GROUP PLC COMMON STOCK GBP.05	4,325	100,278	211,249
MORIROKU HOLDINGS CO LTD COMMON STOCK	2,300	31,038	29,211
MOUWASAT MEDICAL SERVICES CO COMMON STOCK SAR10.0	15,921	467,102	360,589
MOWI ASA COMMON STOCK NOK7.5	200,506	3,754,622	3,438,174
MR DIY GROUP M BHD COMMON STOCK	501,150	240,493	207,342
MS+AD INSURANCE GROUP HOLDIN COMMON STOCK	660,800	6,977,019	14,501,777
MTN GROUP LTD COMMON STOCK ZAR.0001	274,585	2,719,176	1,338,584
MTR CORP COMMON STOCK	684,950	2,907,266	2,389,581
MTU AERO ENGINES AG COMMON STOCK	46,430	9,786,135	15,481,202
MUENCHENER RUECKVER AG REG COMMON STOCK	75,801	20,482,406	38,233,424
MULLEN GROUP LTD COMMON STOCK	19,271	210,141	195,363
MULTIPLY GROUP COMMON STOCK	523,382	628,488	294,959
MURATA MANUFACTURING CO LTD COMMON STOCK	1,032,900	17,136,189	16,821,758
MUSASHINO BANK LTD/THE COMMON STOCK	4,100	75,185	78,264
MUYUAN FOODS CO LTD A COMMON STOCK CNY1.0	54,074	274,599	284,770
MYTILINEOS S.A. COMMON STOCK EUR.97	17,536	385,921	608,674

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
NAHDI MEDICAL CO COMMON STOCK	6,810	235,546	213,141
NAIGAI TRANS LINE LTD COMMON STOCK	6,500	101,437	111,256
NAN YA PLASTICS CORP COMMON STOCK TWD10.0	815,000	1,903,222	743,293
NANJING IRON + STEEL CO A COMMON STOCK CNY1.0	82,500	58,572	53,009
NANJING SECURITIES CO LTD A COMMON STOCK CNY1.0	42,000	50,161	49,830
NANYA TECHNOLOGY CORP COMMON STOCK TWD10.0	155,000	316,951	138,289
NARI TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	1,351,143	4,476,482	4,668,401
NASPERS LTD N SHS COMMON STOCK ZAR.02	40,948	7,068,054	9,055,910
NATIONAL AUSTRALIA BANK LTD COMMON STOCK	1,364,525	27,067,180	31,343,783
NATIONAL BANK OF CANADA COMMON STOCK	260,503	11,509,958	23,735,442
NATIONAL BANK OF GREECE COMMON STOCK EUR1.0	138,583	767,848	1,099,231
NATIONAL BANK OF KUWAIT COMMON STOCK KWD.1	1,291,732	3,206,526	3,754,109
NATIONAL GRID PLC COMMON STOCK GBP.1243129	2,154,236	23,724,103	25,630,667
NATIONAL SILICON INDUSTRY A COMMON STOCK CNY1.0	29,321	90,314	75,600
NATURA +CO HOLDING SA COMMON STOCK	5,679,850	16,652,214	11,731,409
NATWEST GROUP PLC COMMON STOCK GBP1.0769	7,121,480	32,285,921	35,863,061
NAURA TECHNOLOGY GROUP CO A COMMON STOCK CNY1.0	5,300	90,263	283,906
NAVER CORP COMMON STOCK KRW100.0	45,105	6,223,940	6,094,070
NCSOFT CORP COMMON STOCK KRW500.0	1,971	652,215	245,145
NEC CORP COMMON STOCK	191,299	7,850,856	16,700,320
NEDBANK GROUP LTD COMMON STOCK ZAR1.0	77,952	1,296,409	1,163,744
NEMETSCHK SE COMMON STOCK	49,158	3,848,898	4,764,531
NEOENERGIA SA COMMON STOCK	1,413,900	4,347,544	4,327,857
NEOJAPAN INC COMMON STOCK	7,500	52,500	83,705
NEPI ROCKCASTLE N.V. COMMON STOCK	88,596	734,130	647,873
NESTE OYJ COMMON STOCK	185,350	3,731,462	2,327,150
NESTLE (MALAYSIA) BERHAD COMMON STOCK	10,800	354,615	241,481
NESTLE SA REG COMMON STOCK CHF.1	1,464,628	117,963,600	121,016,656
NETEASE INC COMMON STOCK USD.0001	511,400	8,099,615	9,111,511
NETMARBLE CORP COMMON STOCK KRW100.0	4,639	387,671	162,916
NEURONES COMMON STOCK EUR.4	588	20,508	26,760
NEW CHINA LIFE INSURANCE C A COMMON STOCK CNY1.0	14,700	95,554	100,091
NEW CHINA LIFE INSURANCE C H COMMON STOCK CNY1.0	154,223	639,880	468,549
NEW HOPE LIUHE CO LTD A COMMON STOCK CNY1.0	39,500	95,111	48,595
NEW ORIENTAL EDUCATIO SP ADR ADR USD.01	32,306	2,032,064	2,073,399
NEW ORIENTAL EDUCATION + TEC COMMON STOCK USD.001	241,430	1,181,757	1,521,379
NEWAMSTERDAM PHARMA CO NV COMMON STOCK	54,895	1,015,641	1,410,802
NEWMONT CORP CDI CDI	18,972	786,957	699,388
NEXI SPA COMMON STOCK	251,170	3,610,822	1,394,064
NEXON CO LTD COMMON STOCK	210,000	2,793,158	3,175,522
NEXT PLC COMMON STOCK GBP.1	102,121	7,876,638	12,147,594
NH FOODS LTD COMMON STOCK	33,400	1,193,326	1,082,588
NH INVESTMENT + SECURITIES C COMMON STOCK KRW5000.0	20,446	195,854	193,745
NIBE INDUSTRIER AB B SHS COMMON STOCK SEK.03906	663,956	4,380,342	2,598,317
NICE CORP COMMON STOCK	1,000	18,359	10,467
NICE LTD COMMON STOCK ILS1.0	67,900	10,218,478	11,576,161
NICHIHA CORP COMMON STOCK	4,700	117,303	87,325
NIDEC CORP COMMON STOCK	680,100	14,289,315	12,354,833
NIEN MADE ENTERPRISE CO LTD COMMON STOCK TWD10.0	444,000	4,875,867	4,963,504
NIHON M+A CENTER HOLDINGS IN COMMON STOCK	305,600	5,208,773	1,285,713
NIHON PARKERIZING CO LTD COMMON STOCK	4,200	30,892	34,849
NIHON TOKUSHU TORYO CO LTD COMMON STOCK	4,000	27,016	32,426
NIHON TRIM CO LTD COMMON STOCK	2,500	44,775	59,494
NINESTAR CORP A COMMON STOCK CNY1.0	15,000	80,943	57,890
NINGBO DEYE TECHNOLOGY CO A COMMON STOCK CNY1.0	6,884	84,824	79,976
NINGBO ORIENT WIRES + CABL A COMMON STOCK CNY1.0	9,100	79,290	65,514
NINGBO SANXING MEDICAL CO A COMMON STOCK CNY1.0	14,000	52,658	58,998
NINGBO TUOPU GROUP CO LTD A COMMON STOCK CNY1.0	15,660	36,160	105,126
NINGXIA BAOFENG ENERGY GRO A COMMON STOCK CNY1.0	80,000	186,276	184,567
NINTENDO CO LTD COMMON STOCK	572,800	18,722,262	33,764,439
NIO INC CLASS A COMMON STOCK USD.00025	231,080	3,453,535	1,035,226

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
NIPPON BUILDING FUND INC REIT	3,355	3,441,093	2,612,955
NIPPON CARBIDE INDUSTRIES CO COMMON STOCK	2,400	28,010	26,480
NIPPON PAINT HOLDINGS CO LTD COMMON STOCK	404,900	2,421,461	2,636,900
NIPPON SANSO HOLDINGS CORP COMMON STOCK	301,300	5,987,247	8,481,491
NIPPON SHINYAKU CO LTD COMMON STOCK	34,200	1,411,672	868,057
NIPPON STEEL CORP COMMON STOCK	404,000	8,977,130	8,179,740
NIPPON TELEGRAPH + TELEPHONE COMMON STOCK	21,558,900	18,575,906	21,674,130
NIPPON TELEVISION HOLDINGS COMMON STOCK	73,000	1,054,946	1,276,199
NIPPON YUSEN KK COMMON STOCK	201,200	2,177,623	6,750,621
NISSAN MOTOR CO LTD COMMON STOCK	1,041,900	7,902,649	3,182,184
NISSHINBO HOLDINGS INC COMMON STOCK	64,000	498,697	366,913
NISSIN CORP COMMON STOCK	7,400	113,494	218,243
NISSIN FOODS HOLDINGS CO LTD COMMON STOCK	86,400	1,588,018	2,101,726
NITERRA CO LTD COMMON STOCK	267,500	6,399,317	8,646,602
NITORI HOLDINGS CO LTD COMMON STOCK NPV	44,600	4,382,179	5,288,375
NITTA CORP COMMON STOCK	6,900	152,019	163,544
NITTO DENKO CORP COMMON STOCK	319,500	3,550,068	5,448,333
NITTO KOGYO CORP COMMON STOCK	11,500	192,745	211,838
NN GROUP NV COMMON STOCK EUR.12	234,564	9,924,113	10,218,426
NODA CORP COMMON STOCK	3,300	28,770	15,181
NOKIA OYJ COMMON STOCK	2,062,472	13,012,637	9,129,006
NOKIA OYJ COMMON STOCK NPV	253,189	1,889,478	1,117,399
NOMURA HOLDINGS INC COMMON STOCK	1,642,900	9,651,549	9,735,510
NOMURA REAL ESTATE HOLDINGS COMMON STOCK	89,400	2,425,771	2,221,348
NOMURA RESEARCH INSTITUTE LT COMMON STOCK	163,500	2,354,455	4,846,949
NONGFU SPRING CO LTD H COMMON STOCK CNY.1	336,200	1,939,451	1,469,370
NORDEA BANK ABP COMMON STOCK EUR1.0	1,388,224	12,672,787	15,113,875
NORITZ CORP COMMON STOCK	2,200	37,732	23,321
NORSK HYDRO ASA COMMON STOCK NOK1.098	1,702,320	8,234,380	9,373,938
NORTEL NETWORKS CORP	9,400	-	-
NORTH WEST CO INC/THE COMMON STOCK	26,751	765,193	913,648
NORTHERN STAR RESOURCES LTD COMMON STOCK	657,557	6,150,859	6,286,034
NOVARTIS AG REG COMMON STOCK CHF.49	1,063,233	73,730,267	104,064,846
NOVARTIS AG SPONSORED ADR ADR	60,342	5,211,099	5,871,880
NOVATEK MICROELECTRONICS COR COMMON STOCK TWD10.0	94,000	653,068	1,439,339
NOVO NORDISK A/S B COMMON STOCK DKK.1	2,033,988	80,100,471	176,296,283
NOVOZYMES A/S B SHARES COMMON STOCK DKK2.0	155,809	6,352,266	8,820,724
NS SOLUTIONS CORP COMMON STOCK	13,000	188,514	336,829
NTT DATA GROUP CORP COMMON STOCK	337,000	3,973,832	6,497,264
NUFARM LTD COMMON STOCK	7,005	17,497	15,354
NUIX LTD COMMON STOCK	11,355	45,723	44,432
NUTRIEN LTD COMMON STOCK	297,435	17,276,265	13,302,058
OBAYASHI CORP COMMON STOCK	434,200	3,279,638	5,782,518
OBIC BUSINESS CONSULTANTS COMMON STOCK	700	22,597	30,893
OBIC CO LTD COMMON STOCK	143,800	2,462,234	4,294,053
ODDITY TECH LTD CL A COMMON STOCK USD.001	27,731	1,054,946	1,165,257
ODFJELL SE A SHS COMMON STOCK NOK2.5	667	10,192	6,859
ODONTOPREV S.A. COMMON STOCK	1,700,196	5,096,991	2,988,763
OFILM GROUP CO LTD A COMMON STOCK CNY1.0	32,100	45,672	52,685
OGAKI KYORITSU BANK LTD/THE COMMON STOCK	21,300	295,517	262,387
OI SA COMMON STOCK	1,162,238	-	252,094
OIE SANGYO CO LTD COMMON STOCK	1,800	24,637	23,021
OILES CORP COMMON STOCK	2,500	37,197	39,482
OITA BANK LTD/THE COMMON STOCK	2,500	43,622	49,710
OKABE CO LTD COMMON STOCK	12,100	62,755	58,976
OKAMURA CORP COMMON STOCK	26,000	265,134	341,296
OLAV THON EIENDOMSSKAP AS COMMON STOCK NOK1.0	85	1,570	1,699
OLD MUTUAL LTD COMMON STOCK	777,258	1,115,821	515,289
OLLAMANI SAB UNIT	88,894	166,676	151,344
OLYMPUS CORP COMMON STOCK	727,900	9,341,705	10,979,174
OMRON CORP COMMON STOCK	297,000	13,640,751	10,116,066

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
OMV AG COMMON STOCK	63,598	2,793,579	2,459,053
ON HOLDING AG CLASS A COMMON STOCK CHF.1	84,700	1,870,926	4,639,019
ONEX CORPORATION COMMON STOCK	29,902	1,322,389	2,334,443
ONO PHARMACEUTICAL CO LTD COMMON STOCK	176,100	3,091,239	1,831,480
OOREDOO QPSC COMMON STOCK QAR1.0	120,229	343,497	381,391
OPAP SA COMMON STOCK EUR.3	31,791	381,375	516,837
OPEN TEXT CORP COMMON STOCK	116,502	3,263,516	3,295,301
OPERADORA DE SITES MEX A 1 COMMON STOCK	175,700	183,029	104,696
OPPEIN HOME GROUP INC A COMMON STOCK CNY1.0	3,380	54,565	31,923
OPTORUN CO LTD COMMON STOCK	12,300	176,911	147,763
ORACLE CORP JAPAN COMMON STOCK	32,700	2,280,410	3,153,274
ORANGE COMMON STOCK EUR4.0	1,289,462	18,723,666	12,855,671
ORICA LTD COMMON STOCK	398,701	4,756,376	4,092,869
ORIENT OVERSEAS INTL LTD COMMON STOCK USD.1	24,500	714,697	363,024
ORIENT SECURITIES CO LTD A COMMON STOCK CNY1.0	71,680	100,007	103,701
ORIENTAL LAND CO LTD COMMON STOCK	475,200	7,758,290	10,346,999
ORIGIN ENERGY LTD COMMON STOCK	754,755	4,439,141	5,093,643
ORION CORP/REPUBLIC OF KOREA COMMON STOCK KRW500.0	105,730	7,616,719	7,354,381
ORION OYJ CLASS B COMMON STOCK EUR.65	61,920	2,237,301	2,742,975
ORIX CORP COMMON STOCK	917,000	15,005,516	19,885,060
ORKLA ASA COMMON STOCK NOK1.25	312,606	2,467,940	2,707,040
ORLEN SA COMMON STOCK PLN1.25	117,800	2,005,183	1,346,090
ORO CO LTD COMMON STOCK	1,800	26,232	29,320
ORSTED A/S COMMON STOCK DKK10.0	70,993	4,138,156	3,195,947
OSAKA GAS CO LTD COMMON STOCK	163,200	3,046,585	3,592,975
OSAKI ELECTRIC CO LTD COMMON STOCK	5,700	30,079	28,217
OTP BANK PLC COMMON STOCK HUF100.0	291,951	11,187,016	15,940,145
OTSUKA CORP COMMON STOCK	152,100	2,444,543	3,492,803
OTSUKA HOLDINGS CO LTD COMMON STOCK	196,400	7,536,252	10,747,264
OUTSURANCE GROUP LTD COMMON STOCK ZAR.0001	138,443	292,581	487,889
OVERSEA CHINESE BANKING CORP COMMON STOCK	2,029,074	16,115,528	24,824,252
PACIFIC BASIN SHIPPING LTD COMMON STOCK USD.01	42,040,581	10,778,887	8,875,772
PAGEGROUP PLC COMMON STOCK GBP.01	349,036	1,960,525	1,501,988
PAL GROUP HOLDINGS CO LTD COMMON STOCK	4,400	35,365	85,531
PAN AMERICAN SILVER CORP COMMON STOCK	157,100	3,762,546	3,176,518
PAN PACIFIC INTERNATIONAL HO COMMON STOCK	166,900	1,598,605	4,583,484
PANASONIC HOLDINGS CORP COMMON STOCK	1,019,400	10,794,150	10,657,128
PANDORA A/S COMMON STOCK DKK.01	76,149	7,188,252	13,925,827
PANGANG GROUP VANADIUM TIT A COMMON STOCK CNY1.0	114,400	61,972	45,138
PARADOX INTERACTIVE AB COMMON STOCK SEK.005	2,294	42,219	42,644
PARAMOUNT RESOURCES LTD A COMMON STOCK	77,241	1,597,343	1,708,948
PARKLAND CORP COMMON STOCK	64,777	2,233,575	1,464,261
PARTNERS GROUP HOLDING AG COMMON STOCK CHF.01	18,788	19,291,678	25,499,851
PASON SYSTEMS INC COMMON STOCK	203,579	2,136,848	1,926,512
PCA CORP COMMON STOCK	2,600	24,241	35,668
PDD HOLDINGS INC ADR USD.00002	276,426	31,084,344	26,810,558
PEARSON PLC COMMON STOCK GBP.25	270,693	3,179,479	4,346,184
PEGASUS HAVA TASIMACILIGI AS COMMON STOCK TRY1.0	34,581	197,725	208,305
PEGATRON CORP COMMON STOCK TWD10.0	322,000	664,106	902,616
PEMBINA PIPELINE CORP COMMON STOCK	253,847	8,431,394	9,374,089
PEOPLE S INSURANCE CO GROU H COMMON STOCK CNY1.0	1,928,622	746,782	960,841
PEPKOR HOLDINGS LTD COMMON STOCK	386,875	524,789	593,536
PERENTI LTD COMMON STOCK	44,455	43,362	38,396
PERNOD RICARD SA COMMON STOCK EUR1.55	113,606	15,711,012	12,822,653
PERSEUS MINING LTD COMMON STOCK	112,568	186,190	179,120
PERSIMMON PLC COMMON STOCK GBP.1	138,744	3,121,146	2,081,680
PETROBRAS PETROLEO BRAS COMMON STOCK	613,600	3,878,897	3,914,303
PETROBRAS PETROLEO BRAS PR PREFERENCE	2,217,953	13,523,305	12,992,824
PETROLEO BRASIL SP PREF ADR ADR	39,991	543,061	473,493
PETROLEO BRASILEIRO SPON ADR ADR	713,130	8,966,683	9,170,852
PETRONAS CHEMICALS GROUP BHD COMMON STOCK	443,100	761,535	512,317

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
PETRONAS DAGANGAN BHD COMMON STOCK	171,900	794,317	742,728
PETRONAS GAS BHD COMMON STOCK	140,300	542,224	554,736
PETS AT HOME GROUP PLC COMMON STOCK GBP.01	313,636	1,201,808	807,592
PEXIP HOLDING ASA COMMON STOCK NOK.015	5,109	18,123	19,748
PGE SA COMMON STOCK PLN10.25	113,750	347,683	167,158
PHARMAESSENTIA CORP COMMON STOCK TWD10.0	38,000	619,731	712,837
PHARMARON BEIJING CO LTD A COMMON STOCK CNY1.0	11,700	152,638	41,195
PHOENIX GROUP HOLDINGS PLC COMMON STOCK GBP.1	326,271	2,977,699	2,083,971
PHOSAGRO PJSC DEPOSITORY RECEIPT	112	0	-
PHOSAGRO PJSC GDR REG S GDR	2	-	-
PHX ENERGY SERVICES CORP COMMON STOCK	27,000	136,879	174,969
PICC PROPERTY + CASUALTY H COMMON STOCK CNY1.0	1,164,770	1,226,586	1,838,333
PICKLES HOLDINGS CO LTD COMMON STOCK	600	8,393	4,020
PIDILITE INDUSTRIES LTD COMMON STOCK INR1.0	135,852	5,198,100	4,608,467
PILBARA MINERALS LTD COMMON STOCK	173,412	455,012	235,136
PING AN BANK CO LTD A COMMON STOCK CNY1.0	205,300	398,508	329,076
PING AN INSURANCE GROUP CO A COMMON STOCK CNY1.0	331,272	2,635,419	2,389,488
PING AN INSURANCE GROUP CO H COMMON STOCK CNY1.0	4,652,000	31,687,577	27,578,010
PIOTECH INC A COMMON STOCK CNY1.0	2,535	57,868	53,369
PIRAEUS FINANCIAL HOLDINGS S COMMON STOCK EUR.93	163,393	611,384	651,395
PKO BANK POLSKI SA COMMON STOCK PLN1.0	479,405	6,111,666	6,935,855
PLAYTECH PLC COMMON STOCK	112,508	745,889	1,007,471
PLDT INC COMMON STOCK PHP5.0	12,510	444,768	280,067
PLUS500 LTD COMMON STOCK ILS.01	34,556	413,722	1,171,966
POLAR CAPITAL HOLDINGS PLC COMMON STOCK GBP.025	931	6,811	5,923
POLLARD BANKNOTE LTD COMMON STOCK	1,200	32,960	20,025
POLY DEVELOPMENTS AND HOLD A COMMON STOCK CNY1.0	107,700	233,238	130,729
POLYUS PJSC COMMON STOCK RUB1.0	5,019	523	-
POLYUS PJSC REG S GDR GDR RUB1.0	1	0	-
POP MART INTERNATIONAL GROUP COMMON STOCK USD.0001	87,600	405,735	1,010,993
PORSCHE AUTOMOBIL HLDG PRF PREFERENCE	66,526	3,621,809	2,504,067
POSCO DX CO LTD COMMON STOCK KRW500.0	7,844	348,518	101,663
POSCO FUTURE M CO LTD COMMON STOCK KRW500.0	4,907	515,273	473,651
POSCO HOLDINGS INC COMMON STOCK KRW5000.0	11,524	2,851,105	1,984,400
POSCO INTERNATIONAL CORP COMMON STOCK KRW5000.0	8,614	206,697	232,004
POSTAL SAVINGS BANK OF CHI A COMMON STOCK CNY1.0	217,300	161,813	169,095
POSTAL SAVINGS BANK OF CHI H COMMON STOCK CNY1.0	4,779,000	2,941,673	2,817,709
POSTE ITALIANE SPA COMMON STOCK EUR1.0	197,753	1,489,223	2,789,012
POU CHEN COMMON STOCK TWD10.0	349,000	422,021	392,811
POWER + WATER UTILITY CO FOR COMMON STOCK SAR10.0	11,046	178,627	161,101
POWER ASSETS HOLDINGS LTD COMMON STOCK	605,500	4,276,481	4,224,808
POWER CONSTRUCTION CORP OF A COMMON STOCK CNY1.0	179,500	173,450	134,270
POWER CORP OF CANADA COMMON STOCK	248,047	6,158,707	7,733,575
POWSZECHNY ZAKLAD UBEZPIECZE COMMON STOCK PLN.1	654,432	7,863,130	7,262,665
PPB GROUP BERHAD COMMON STOCK	97,700	335,122	270,934
PR TIMES CORP COMMON STOCK	3,900	53,007	43,452
PRAIRIESKY ROYALTY LTD COMMON STOCK	107,260	1,367,933	2,090,459
PRESIDENT CHAIN STORE CORP COMMON STOCK TWD10.0	95,000	822,039	762,098
PRESS METAL ALUMINIUM HOLDIN COMMON STOCK	574,600	512,897	629,663
PRIO SA COMMON STOCK	151,800	817,427	986,552
PRO MEDICUS LTD COMMON STOCK	74,698	4,633,524	11,567,870
PROLOGIS PROPERTY MEXICO SA REIT	165,569	641,782	460,012
PROMET BERHAD MYR1.00	246,000	254,600	-
PROMOTORA Y OPERADORA DE INF COMMON STOCK	27,125	253,578	230,421
PROQR THERAPEUTICS NV COMMON STOCK EUR1.0	240,395	841,383	637,047
PROSEGUR CASH SA COMMON STOCK EUR.02	75,817	44,344	43,337
PROSUS NV COMMON STOCK EUR.05	601,927	21,493,979	23,903,380
PROYA COSMETICS CO LTD A COMMON STOCK CNY1.0	432,908	6,613,138	5,023,435
PRUDENTIAL PLC COMMON STOCK GBP.05	1,536,067	20,023,896	12,254,269
PRYSMIAN SPA COMMON STOCK EUR.1	285,283	8,774,304	18,215,015
PTT EXPLOR + PROD PCL NVDR NVDR THB1.0	47,645	207,031	166,293

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
PTT EXPLORATION + PROD FOR FOREIGN SH. THB1.0 A	249,235	917,630	869,892
PTT GLOBAL CHEMICAL PCL FOR FOREIGN SH. THB10.0 A	332,408	541,740	237,887
PTT OIL + RETAIL BUSINE NVDR NVDR THB10.0	372,918	318,717	145,470
PTT PCL NVDR NVDR THB1.0	763,242	785,056	710,747
PTT PCL/FOREIGN FOREIGN SH. THB1.0 A	5,173,235	5,105,745	4,817,428
PUBLIC BANK BERHAD COMMON STOCK	4,914,800	5,102,915	5,012,074
PUBLIC POWER CORP COMMON STOCK EUR2.48	34,163	361,828	436,537
PUBLICIS GROUPE COMMON STOCK EUR.4	279,878	20,868,940	29,850,809
PUMA SE COMMON STOCK	74,221	3,997,722	3,409,325
QANTAS AIRWAYS LTD COMMON STOCK	1,929,564	9,278,244	10,716,369
QATAR ELECTRICITY + WATER CO COMMON STOCK QAR1.0	52,989	276,157	228,489
QATAR FUEL QSC COMMON STOCK QAR1.0	243,400	1,137,045	1,002,747
QATAR GAS TRANSPORT(NAKILAT) COMMON STOCK QAR1.0	852,677	886,791	971,644
QATAR INTERNATIONAL ISLAMIC COMMON STOCK QAR10.0	141,075	406,661	422,334
QATAR ISLAMIC BANK COMMON STOCK QAR1.0	274,234	1,309,350	1,608,799
QATAR NATIONAL BANK COMMON STOCK QAR1.0	741,525	3,682,482	3,521,276
QBE INSURANCE GROUP LTD COMMON STOCK	986,400	9,836,281	11,726,011
QIAGEN N.V. COMMON STOCK EUR.01	214,445	6,989,789	9,553,416
QIFU TECHNOLOGY INC ADR USD.00001	19,500	478,663	748,410
QINETIQ GROUP PLC COMMON STOCK GBP.01	25,019	151,939	130,161
QINGHAI SALT LAKE INDUSTRY A COMMON STOCK CNY1.0	52,000	195,618	117,261
QL RESOURCES BHD COMMON STOCK	217,125	159,263	231,134
QUALITAS CONTROLADORA SAB CV COMMON STOCK NPV	507,388	3,656,464	4,280,383
QUANTA COMPUTER INC COMMON STOCK TWD10.0	1,240,000	8,367,649	10,855,130
QUEBECOR INC CL B COMMON STOCK	69,200	1,625,300	1,515,645
QUILTER PLC COMMON STOCK GBP.08167	43,600	80,597	84,200
QUIMICA Y MINERA CHIL SP ADR ADR USD1.0	108,371	4,741,898	3,940,370
R+S GROUP HOLDING AG COMMON STOCK CHF.1	2,326	36,874	47,867
RADWARE LTD COMMON STOCK ILS.05	107,914	2,612,229	2,431,302
RAIA DROGASIL SA COMMON STOCK	1,651,666	7,572,973	5,881,763
RAIFFEISEN BANK INTERNATIONA COMMON STOCK	302,401	4,616,535	6,184,441
RAKUTEN GROUP INC COMMON STOCK	657,300	4,613,715	3,592,231
RAMELIUS RESOURCES LTD COMMON STOCK	95,866	103,693	122,866
RAMSAY HEALTH CARE LTD COMMON STOCK	77,982	3,142,246	1,667,680
RANDSTAD NV COMMON STOCK EUR.1	79,178	3,779,205	3,337,765
RANGE INTELLIGENT COMPUTI A COMMON STOCK CNY1.0	14,000	52,566	99,660
RASA CORPORATION COMMON STOCK	7,500	78,109	68,338
RATHBONES GROUP PLC COMMON STOCK GBP.05	32,842	811,901	682,780
RATIONAL AG COMMON STOCK	3,147	2,520,871	2,685,184
RB GLOBAL INC COMMON STOCK	80,000	3,932,258	7,216,799
REA GROUP LTD COMMON STOCK	35,786	3,077,398	5,169,428
REAL BROKERAGE INC/THE COMMON STOCK	5,200	21,383	23,920
REALTEK SEMICONDUCTOR CORP COMMON STOCK TWD10.0	78,000	500,810	1,351,370
RECKITT BENCKISER GROUP PLC COMMON STOCK GBP.1	498,820	34,770,559	30,192,820
RECORDATI INDUSTRIA CHIMICA COMMON STOCK EUR.125	44,496	1,748,018	2,331,426
RECRUIT HOLDINGS CO LTD COMMON STOCK	998,400	30,784,674	70,801,527
REDE D OR SAO LUIZ SA COMMON STOCK	629,769	4,154,904	2,591,311
REDEIA CORP SA COMMON STOCK EUR.5	468,465	8,181,882	8,004,076
REECE LTD COMMON STOCK	97,806	1,529,276	1,355,257
REGIS RESOURCES LTD COMMON STOCK	86,759	118,416	136,978
REINET INVESTMENTS SCA COMMON STOCK	21,521	404,824	509,980
REITMANS (CANADA) LTD A COMMON STOCK	16,837	52,898	28,682
RELIANCE INDS SPONS GDR 144A GDR	1,108,651	43,530,688	62,971,377
RELIANCE INDUSTRIES LTD COMMON STOCK INR10.0	168,124	3,202,507	2,386,840
RELX PLC COMMON STOCK GBP.00144397	1,497,962	30,315,316	67,960,493
REMGRO LTD COMMON STOCK	78,826	1,161,319	647,902
RENAULT SA COMMON STOCK EUR3.81	83,390	5,221,234	4,062,784
RENESAS ELECTRONICS CORP COMMON STOCK	1,259,600	16,152,341	16,402,210
RENTOKIL INITIAL PLC COMMON STOCK GBP.01	1,095,938	5,739,382	5,501,191
REPSOL SA COMMON STOCK EUR1.0	532,270	8,629,256	6,443,126
RESOLUTE MINING LTD COMMON STOCK	645,901	285,623	157,964

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
RESONA HOLDINGS INC COMMON STOCK	1,396,300	7,751,054	10,168,398
RESTAURANT BRANDS INTERN COMMON STOCK	135,302	7,032,461	8,814,104
REXEL SA COMMON STOCK EUR5.0	186,218	4,703,840	4,743,587
RHB BANK BHD COMMON STOCK	259,172	341,108	375,586
RHEINMETALL AG COMMON STOCK	19,045	3,967,790	12,120,587
RICHELIEU HARDWARE LTD COMMON STOCK	56,121	1,741,416	1,523,407
RICHTER GEDEON NYRT COMMON STOCK HUF100.0	318,354	9,176,820	8,334,248
RICOH CO LTD COMMON STOCK	663,400	6,086,305	7,646,660
RIGHTMOVE PLC COMMON STOCK GBP.001	476,073	1,987,434	3,826,628
RIKEN TECHNOS CORP COMMON STOCK	5,100	24,748	34,950
RIKEN VITAMIN CO LTD COMMON STOCK	9,400	123,738	146,718
RIO TINTO LTD COMMON STOCK	191,960	10,460,201	13,960,364
RIO TINTO PLC COMMON STOCK GBP.1	682,805	34,730,734	40,388,495
RIO TINTO PLC SPON ADR ADR	99,870	7,295,574	5,873,355
RISO KAGAKU CORP COMMON STOCK	4,400	36,452	44,963
RIVERSTONE HOLDINGS LTD COMMON STOCK	76,200	78,068	60,884
RIYAD BANK COMMON STOCK SAR10.0	236,249	1,654,999	1,798,244
ROBINSONS RETAIL HOLDINGS IN COMMON STOCK PHP1.0	551,490	849,336	343,221
ROCHE HOLDING AG BR COMMON STOCK CHF1.0	14,023	4,796,937	4,187,171
ROCHE HOLDING AG GENUSSSCHEIN COMMON STOCK	448,628	114,313,640	126,482,156
ROCKCHIP ELECTRONICS CO L A COMMON STOCK CNY1.0	4,300	52,219	64,837
ROCKWOOL A/S B SHS COMMON STOCK DKK10.0	13,247	3,741,785	4,694,282
ROGERS COMMUNICATIONS INC B COMMON STOCK	158,013	6,233,895	4,855,093
ROLLS ROYCE HOLDINGS PLC COMMON STOCK GBP.2	4,755,070	11,278,274	33,861,547
RONGSHENG PETROCHEMICAL CO A COMMON STOCK CNY1.0	93,900	140,212	116,422
ROTORK PLC COMMON STOCK GBP.005	283,689	1,067,858	1,114,907
ROYAL BANK OF CANADA COMMON STOCK	744,224	52,195,926	89,687,737
RUENTEX DEVELOPMENT CO LTD COMMON STOCK TWD10.0	247,254	210,034	323,543
RUMO SA COMMON STOCK	198,278	717,767	572,575
RWE AG COMMON STOCK	276,439	9,069,808	8,252,662
RYANAIR HOLDINGS PLC SP ADR ADR	67,185	2,538,023	2,928,594
S ENJOY SERVICE GROUP CO LTD COMMON STOCK USD.01	54,000	28,544	21,411
S F HOLDING CO LTD A COMMON STOCK CNY1.0	46,500	296,559	256,732
S OIL CORP COMMON STOCK KRW2500.0	19,120	1,167,755	711,732
SAAB AB B COMMON STOCK	140,331	1,941,312	2,968,107
SABIC AGRI NUTRIENTS CO COMMON STOCK SAR10.0	38,090	1,145,877	1,125,244
SAFRAN SA COMMON STOCK EUR.2	247,647	26,804,642	54,390,602
SAGAX AB B COMMON STOCK SEK1.75	96,046	3,201,888	1,966,252
SAGE GROUP PLC/THE COMMON STOCK GBP.01051948	1,390,594	15,071,152	22,170,311
SAHARA INTERNATIONAL PETROCH COMMON STOCK SAR10.0	57,942	450,134	383,669
SAIC MOTOR CORP LTD A COMMON STOCK CNY1.0	73,200	262,050	208,190
SAILUN GROUP CO LTD A COMMON STOCK CNY1.0	47,600	97,032	93,449
SAINSBURY (J) PLC COMMON STOCK GBP.285714	737,050	2,914,002	2,525,551
SAINT CARE HOLDING CORP COMMON STOCK	4,800	25,932	23,181
SAIPEM SPA COMMON STOCK	288,956	681,560	750,728
SAL SAUDI LOGISTICS SERVICES COMMON STOCK SAR10.0	3,536	266,105	237,716
SALMAR ASA COMMON STOCK NOK.25	30,985	2,015,653	1,474,586
SAMPO OYJ A SHS COMMON STOCK	362,082	12,296,120	14,764,977
SAMSONITE INTERNATIONAL SA COMMON STOCK USD.01	396,600	1,045,898	1,102,808
SAMSUNG BIOLOGICS CO LTD COMMON STOCK KRW2500.0	7,457	3,744,824	4,807,046
SAMSUNG C+T CORP COMMON STOCK KRW100.0	49,488	5,268,051	3,859,133
SAMSUNG ELECTRO MECHANICS CO COMMON STOCK KRW5000.0	8,651	706,046	727,503
SAMSUNG ELECTRONICS CO LTD COMMON STOCK KRW100.0	3,608,561	155,124,271	130,404,813
SAMSUNG ELECTRONICS PREF PREFERENCE	132,368	4,485,830	3,974,232
SAMSUNG ENGINEERING CO LTD COMMON STOCK KRW5000.0	23,697	397,334	266,403
SAMSUNG FIRE + MARINE INS COMMON STOCK KRW500.0	4,973	1,142,870	1,211,032
SAMSUNG HEAVY INDUSTRIES COMMON STOCK KRW1000.0	105,451	744,167	809,426
SAMSUNG LIFE INSURANCE CO LT COMMON STOCK KRW500.0	95,753	6,874,452	6,166,073
SAMSUNG SDI CO LTD PFD COMMON STOCK KRW5000.0	8,794	1,760,675	1,478,460
SAMSUNG SDS CO LTD COMMON STOCK KRW500.0	6,811	1,072,267	591,275
SAMVARDHANA MOTHERSON INTERN COMMON STOCK INR1.0	1,756,722	3,984,983	3,203,451

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SAN AI OBBLI CO LTD COMMON STOCK	41,100	429,296	495,575
SAN JU SAN FINANCIAL GROUP I COMMON STOCK	8,000	101,688	116,111
SANAN OPTOELECTRONICS CO L A COMMON STOCK CNY1.0	38,300	104,328	63,857
SANDOZ GROUP AG COMMON STOCK	179,385	3,030,995	7,357,507
SANDS CHINA LTD COMMON STOCK USD.01	1,054,800	3,819,655	2,837,984
SANDVIK AB COMMON STOCK SEK1.2	547,578	7,722,131	9,827,338
SANKYO CO LTD COMMON STOCK	71,000	656,014	961,364
SANLAM LTD COMMON STOCK ZAR.01	292,010	1,522,517	1,344,453
SANOFI ADR ADR	191,015	9,307,499	9,212,653
SANOFI COMMON STOCK EUR2.0	707,339	60,583,609	68,659,823
SANSAN INC COMMON STOCK	15,900	251,509	232,187
SANSHA ELECTRIC MANUF CO LTD COMMON STOCK	6,200	59,132	34,046
SANTANDER BANK POLSKA SA COMMON STOCK PLN10.0	6,667	631,350	738,590
SANTOS LTD COMMON STOCK	1,790,613	9,859,665	7,405,838
SANWA HOLDINGS CORP COMMON STOCK	16,500	199,618	462,160
SANY HEAVY INDUSTRY CO LTD A COMMON STOCK CNY1.0	86,100	167,228	194,394
SAP SE COMMON STOCK	572,456	60,947,186	140,073,492
SAPUTO INC COMMON STOCK	110,254	2,604,850	1,915,761
SARTORIUS AG VORZUG PREFERENCE	11,191	2,359,106	2,493,798
SARTORIUS STEDIM BIOTECH COMMON STOCK EUR.2	75,484	17,812,813	14,749,487
SASA POLYESTER SANAYI COMMON STOCK TRY1.0	1,814,374	548,514	208,835
SASOL LTD COMMON STOCK	1,605,672	25,269,080	7,085,549
SATELLITE CHEMICAL CO LTD A COMMON STOCK CNY1.0	35,141	99,130	90,461
SAUDI ARABIAN MINING CO COMMON STOCK SAR10.0	206,805	2,701,379	2,768,481
SAUDI ARABIAN OIL CO COMMON STOCK	2,188,480	16,575,931	16,337,591
SAUDI ARAMCO BASE OIL CO COMMON STOCK SAR10.0	9,326	318,247	277,492
SAUDI AWWAL BANK COMMON STOCK SAR10.0	160,746	1,585,311	1,439,587
SAUDI BASIC INDUSTRIES CORP COMMON STOCK SAR10.0	146,868	2,986,101	2,618,874
SAUDI ELECTRICITY CO COMMON STOCK SAR10.0	130,764	596,377	588,149
SAUDI IND INVESTMENT GROUP COMMON STOCK SAR10.0	61,958	334,423	275,376
SAUDI INVESTMENT BANK/THE COMMON STOCK SAR10.0	86,173	304,093	332,546
SAUDI KAYAN PETROCHEMICAL CO COMMON STOCK SAR10.0	104,100	223,806	194,491
SAUDI RESEARCH + MEDIA GROUP COMMON STOCK SAR10.0	5,821	386,681	426,033
SAUDI TADAWUL GROUP HOLDING COMMON STOCK SAR10.0	7,072	456,540	408,051
SAUDI TELECOM CO COMMON STOCK SAR10.0	325,207	3,351,937	3,462,043
SAVOLA COMMON STOCK SAR10.0	21,636	581,859	211,327
SBERBANK OF RUSSIA PJSC COMMON STOCK RUB3.0	3,764,952	47,194	0
SBI HOLDINGS INC COMMON STOCK	118,786	2,446,649	3,009,709
SCB X PCL FOREIGN FOREIGN SH. THB10.0 A	3,204,887	11,371,260	11,044,852
SCB X PCL NVDR NVDR THB10.0	42,900	150,121	147,844
SCENTRE GROUP REIT	2,276,016	6,203,434	4,833,541
SCHINDLER HOLDING AG REG COMMON STOCK CHF.1	10,141	1,561,137	2,769,542
SCHINDLER HOLDING PART CERT COMMON STOCK CHF.1	34,831	6,978,431	9,623,925
SCHNEIDER ELECTRIC SE COMMON STOCK EUR4.0	322,728	33,429,297	80,505,133
SCHROEDERS PLC COMMON STOCK GBP.2	370,030	1,982,089	1,499,645
SCOUT24 SE COMMON STOCK	32,444	2,428,917	2,858,999
SCREEN HOLDINGS CO LTD COMMON STOCK	71,600	6,377,454	4,323,517
SCSK CORP COMMON STOCK	73,000	1,207,193	1,547,232
SDIC CAPITAL CO LTD A COMMON STOCK CNY1.0	47,600	49,335	49,040
SDIC POWER HOLDINGS CO LTD A COMMON STOCK CNY1.0	91,200	176,044	207,658
SEA LTD ADR ADR	315,961	38,156,814	33,523,462
SEB SA COMMON STOCK EUR1.0	10,708	1,363,314	970,212
SECOM CO LTD COMMON STOCK	216,500	7,033,515	7,396,211
SECURE ENERGY SERVICES INC COMMON STOCK	183,000	1,565,922	2,068,961
SECURITAS AB B SHS COMMON STOCK SEK1.0	213,670	1,958,482	2,647,367
SEEK LTD COMMON STOCK	153,468	1,990,883	2,144,596
SEGA SAMMY HOLDINGS INC COMMON STOCK	335,500	5,983,919	6,566,544
SEGRO PLC REIT GBP.1	550,271	4,355,912	4,832,385
SEIKAGAKU CORP COMMON STOCK	4,200	62,457	21,486
SEIKO EPSON CORP COMMON STOCK	133,200	2,223,187	2,437,113
SEKISUI CHEMICAL CO LTD COMMON STOCK	378,100	5,292,290	6,531,824

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SEKISUI HOUSE LTD COMMON STOCK	264,800	3,795,711	6,372,319
SEKISUI KASEI CO LTD COMMON STOCK	5,900	24,819	13,365
SEMBA CORP COMMON STOCK	2,039	21,175	16,853
SEMBCORP INDUSTRIES LTD COMMON STOCK	384,200	1,522,449	1,554,599
SENDAS DISTRIBUIDORA SA ADR	114,035	1,752,487	509,736
SERCO GROUP PLC COMMON STOCK GBP.02	727,214	1,918,516	1,377,984
SERES GROUP CO L A COMMON STOCK CNY1.0	15,300	80,157	279,600
SERIA CO LTD COMMON STOCK	22,500	428,947	403,299
SEVEN + I HOLDINGS CO LTD COMMON STOCK	1,107,850	14,301,004	17,531,324
SEVERFIELD PLC COMMON STOCK GBP.025	1,211	800	780
SEVERN TRENT PLC COMMON STOCK GBP.9789	115,493	3,010,896	3,627,657
SEVERSTAL GDR REG S GDR	26,993	3	0
SG HOLDINGS CO LTD COMMON STOCK	136,700	1,888,490	1,309,940
SG MICRO CORP A COMMON STOCK CNY1.0	4,095	42,658	45,880
SGH LTD COMMON STOCK	86,772	2,198,697	2,477,255
SGS SA REG COMMON STOCK CHF.04	68,688	5,618,894	6,888,127
SHANDONG GOLD MINING CO LT A COMMON STOCK CNY1.0	35,392	87,691	109,726
SHANDONG GOLD MINING CO LT H COMMON STOCK CNY1.0	139,250	268,365	225,153
SHANDONG HIMILE MECHANICAL A COMMON STOCK CNY1.0	12,000	50,045	82,513
SHANDONG HUALU HENGSHENG A COMMON STOCK CNY1.0	21,310	70,325	63,090
SHANDONG LINGLONG TYRE CO A COMMON STOCK CNY1.0	13,200	32,001	32,624
SHANDONG NANSHAN ALUMINUM A COMMON STOCK CNY1.0	151,700	91,794	81,261
SHANDONG SUN PAPER INDUSTR A COMMON STOCK CNY1.0	38,400	75,833	78,228
SHANDONG WEIGAO GP MEDICAL H COMMON STOCK CNY.1	8,491,200	4,867,492	5,028,292
SHANGHAI BAOSIGHT SOFTWARE A COMMON STOCK CNY1.0	21,796	74,801	87,372
SHANGHAI BAOSIGHT SOFTWARE B COMMON STOCK CNY1.0	135,492	323,338	217,465
SHANGHAI BOCHU ELECTRONIC A COMMON STOCK CNY1.0	1,692	43,946	45,028
SHANGHAI ELECTRIC GRP CO L A COMMON STOCK CNY1.0	113,900	64,813	126,551
SHANGHAI ELECTRIC POWER CO A COMMON STOCK CNY1.0	36,000	52,025	45,227
SHANGHAI FOSUN PHARMACEUTI A COMMON STOCK CNY1.0	24,800	101,285	84,431
SHANGHAI INTERNATIONAL AIR A COMMON STOCK CNY1.0	14,900	130,450	69,711
SHANGHAI LINGANG HOLDINGS A COMMON STOCK CNY1.0	24,400	51,997	33,762
SHANGHAI M+G STATIONERY IN A COMMON STOCK CNY1.0	13,200	121,275	54,704
SHANGHAI PHARMACEUTICALS A COMMON STOCK CNY1.0	13,100	50,650	37,689
SHANGHAI PHARMACEUTICALS H COMMON STOCK CNY1.0	182,800	391,745	296,981
SHANGHAI PUDONG DEVEL BANK A COMMON STOCK CNY1.0	286,303	457,953	403,611
SHANGHAI PUTAILAI NEW ENER A COMMON STOCK CNY1.0	19,836	94,249	43,236
SHANGHAI RAAS BLOOD PRODUC A COMMON STOCK CNY1.0	65,500	72,559	64,789
SHANGHAI RURAL COMMERCIAL A COMMON STOCK CNY1.0	107,000	88,256	124,748
SHANGHAI UNITED IMAGING HE A COMMON STOCK CNY1.0	9,350	183,777	161,913
SHANGHAI ZHANGJIANG HIGH A COMMON STOCK CNY1.0	15,500	49,479	56,910
SHANXI COKING COAL ENERGY A COMMON STOCK CNY1.0	432,250	584,817	487,960
SHANXI XINGHUACUN FEN WINE A COMMON STOCK CNY1.0	11,380	141,884	287,195
SHARKNINJA INC COMMON STOCK USD.2	66,457	4,781,863	6,470,254
SHELL PLC COMMON STOCK EUR.07	3,756,863	104,235,919	116,630,827
SHENERGY COMPANY LIMITED A COMMON STOCK CNY1.0	81,000	86,011	105,311
SHENGYI TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	22,300	68,670	73,475
SHENNAN CIRCUITS CO LTD A COMMON STOCK CNY1.0	4,600	48,001	78,775
SHENWAN HONGYUAN GROUP CO A COMMON STOCK CNY1.0	213,800	144,796	156,705
SHENZHEN CAPCHEM TECHNOLOG A COMMON STOCK CNY1.0	10,800	77,008	55,396
SHENZHEN ENERGY GROUP CO L A COMMON STOCK CNY1.0	57,918	51,786	51,417
SHENZHEN GOODIX TECHNOLOGY A COMMON STOCK CNY1.0	4,800	48,992	52,963
SHENZHEN INOVANCE TECHNOLO A COMMON STOCK CNY1.0	1,223,094	10,466,616	9,815,919
SHENZHEN MINDRAY BIO MEDIC A COMMON STOCK CNY1.0	159,800	6,292,646	5,582,628
SHENZHEN NEW INDUSTRIES BI A COMMON STOCK CNY1.0	9,100	58,415	88,329
SHENZHEN SALUBRIS PHARM A COMMON STOCK CNY1.0	7,100	29,286	30,086
SHENZHEN TRANSSION HOLDING A COMMON STOCK CNY1.0	10,441	167,822	135,890
SHENZHOU INTERNATIONAL GROUP COMMON STOCK HKD.1	135,400	1,281,523	1,080,697
SHIBUYA CORPORATION COMMON STOCK	2,000	31,344	49,122
SHIJIAZHUANG YILING PHARMA A COMMON STOCK CNY1.0	16,940	46,346	37,156
SHIKOKU BANK LTD/THE COMMON STOCK	9,300	63,081	68,703

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity		Retirement Assets	
Issuer Name	Shares	Book Value	Market Value
SHIMADZU CORP COMMON STOCK	102,900	1,798,824	2,920,825
SHIMAMURA CO LTD COMMON STOCK	17,400	862,538	975,844
SHIMANO INC COMMON STOCK	49,500	6,873,787	6,737,115
SHIMIZU BANK LTD/THE COMMON STOCK	2,900	31,423	26,590
SHIN ETSU CHEMICAL CO LTD COMMON STOCK	1,130,950	21,640,892	38,110,914
SHIN KONG FINANCIAL HOLDING COMMON STOCK TWD10.0	2,282,494	680,471	821,529
SHINDENGEN ELECTRIC MFG COMMON STOCK	2,000	47,177	31,700
SHINHAN FINANCIAL GROUP LTD COMMON STOCK KRW5000.0	679,994	24,043,124	22,009,791
SHINNIHONSEIYAKU CO LTD COMMON STOCK	4,200	46,309	54,063
SHIONOGI + CO LTD COMMON STOCK	330,600	4,183,852	4,667,863
SHIP HEALTHCARE HOLDINGS INC COMMON STOCK	57,700	954,323	809,548
SHISEIDO CO LTD COMMON STOCK	215,200	7,089,233	3,815,569
SHIZUOKA FINANCIAL GROUP INC COMMON STOCK	201,700	1,745,375	1,648,534
SHOFU INC COMMON STOCK	9,600	75,867	134,935
SHOPIFY INC CLASS A COMMON STOCK	1,035,062	46,817,796	110,087,679
SHOPRITE HOLDINGS LTD COMMON STOCK ZAR1.134	82,129	1,151,203	1,281,770
SHRIRAM FINANCE LTD COMMON STOCK INR10.0	140,200	4,774,659	4,731,236
SIAM CEMENT PCL NVDR NVDR THB1.0	45,518	596,138	224,286
SIAM CEMENT PUB CO FOR REG FOREIGN SH. THB1.0 A	71,708	909,052	353,335
SIBANYE STILLWATER LTD COMMON STOCK	454,591	1,092,084	360,878
SICHUAN CHUANTOU ENERGY CO A COMMON STOCK CNY1.0	51,900	79,396	122,653
SICHUAN KELUN PHARMACEUTIC A COMMON STOCK CNY1.0	19,100	74,991	78,318
SICHUAN ROAD+BRIDGE GROUP A COMMON STOCK CNY1.0	106,380	121,721	106,099
SIEMENS AG REG COMMON STOCK NPV	381,940	47,743,202	74,575,270
SIEMENS ENERGY AG COMMON STOCK	281,254	6,885,190	14,672,597
SIEMENS HEALTHINEERS AG COMMON STOCK	122,489	5,555,883	6,494,073
SIEYUAN ELECTRIC CO LTD A COMMON STOCK CNY1.0	9,700	89,644	96,611
SIG GROUP AG COMMON STOCK CHF.01	218,444	4,794,086	4,309,825
SIGNIFY NV COMMON STOCK EUR.01	6,905	153,282	154,300
SIKA AG REG COMMON STOCK CHF.01	93,616	14,913,054	22,292,229
SILERGY CORP COMMON STOCK TWD2.5	53,000	862,243	652,305
SILVERCORP METALS INC COMMON STOCK	164,657	694,744	494,589
SIME DARBY BERHAD COMMON STOCK	458,819	260,364	242,159
SIME DARBY PLANTATION BHD COMMON STOCK	307,509	400,269	340,416
SIMPLEX HOLDINGS INC COMMON STOCK	229,600	4,073,756	3,634,798
SINGAPORE AIRLINES LTD COMMON STOCK	640,075	2,711,121	3,021,612
SINGAPORE EXCHANGE LTD COMMON STOCK	798,000	5,199,537	7,452,368
SINGAPORE TECH ENGINEERING COMMON STOCK	679,900	1,782,412	2,322,485
SINGAPORE TELECOMMUNICATIONS COMMON STOCK	3,403,290	7,695,581	7,683,722
SINO BIOPHARMACEUTICAL COMMON STOCK HKD.025	1,722,000	765,872	709,376
SINO LAND CO COMMON STOCK	2,032,665	2,759,118	2,054,135
SINOLINK SECURITIES CO LTD A COMMON STOCK CNY1.0	39,400	48,728	47,123
SINOMA INTERNATIONAL ENGIN A COMMON STOCK CNY1.0	27,900	51,543	36,236
SINOPAC FINANCIAL HOLDINGS COMMON STOCK TWD10.0	1,744,920	717,102	1,218,828
SINOPHARM GROUP CO H COMMON STOCK CNY1.0	234,400	898,771	642,733
SINOTRUK HONG KONG LTD COMMON STOCK	120,000	237,303	352,216
SITC INTERNATIONAL HOLDINGS COMMON STOCK HKD.1	2,221,000	7,480,443	5,918,511
SITIOS LATINOAMERICA SAB DE COMMON STOCK	96,181	77,907	15,450
SK BIOPHARMACEUTICALS CO LTD COMMON STOCK KRW500.0	4,938	587,456	372,660
SK BIOSCIENCE CO LTD COMMON STOCK KRW500.0	3,536	490,129	121,057
SK HYNIX INC COMMON STOCK KRW5000.0	666,193	54,378,808	78,695,080
SK INC COMMON STOCK KRW200.0	5,749	1,061,964	513,530
SK INNOVATION CO LTD COMMON STOCK KRW5000.0	12,658	1,628,300	963,011
SK SQUARE CO LTD COMMON STOCK KRW500.0	385,439	19,072,221	20,762,363
SK TELECOM CO LTD SPON ADR ADR	117,340	4,630,910	2,468,834
SK TELECOM COMMON STOCK KRW100.0	228,415	7,821,696	8,564,690
SKANDINAVISKA ENSKILDA BAN A COMMON STOCK SEK10.0	915,935	9,176,809	12,554,549
SKANSKA AB B SHS COMMON STOCK	147,783	2,381,737	3,112,347
SKC CO LTD COMMON STOCK KRW5000.0	3,096	351,880	221,030
SKF AB B SHARES COMMON STOCK SEK2.5	147,438	2,319,828	2,770,154
SKY NETWORK TELEVISION LTD COMMON STOCK	28,083	40,942	40,907

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SM INVESTMENTS CORP COMMON STOCK PHP10.0	36,074	528,037	560,645
SM PRIME HOLDINGS INC COMMON STOCK PHP1.0	1,588,875	1,023,518	690,815
SMC CORP COMMON STOCK	25,100	7,413,342	9,930,758
SMITH + NEPHEW PLC COMMON STOCK USD.2	379,817	4,989,239	4,715,919
SMITHS GROUP PLC COMMON STOCK GBP.375	155,403	2,452,978	3,345,633
SMK CORP COMMON STOCK	1,400	25,172	22,947
SMOORE INTERNATIONAL HOLDING COMMON STOCK USD.01	302,000	1,658,284	517,073
SMURFIT WESTROCK PLC COMMON STOCK	247,646	11,740,629	13,338,214
SNAM SPA COMMON STOCK	868,764	3,609,120	3,847,611
SOC QUIMICA Y MINERA CHILE B PREFERENCE	23,057	1,172,349	848,532
SOCIETE BIC SA COMMON STOCK EUR3.82	211	12,510	13,940
SOCIETE GENERALE SA COMMON STOCK EUR1.25	370,984	13,465,948	10,433,621
SODEXO SA COMMON STOCK EUR4.0	37,923	2,294,380	3,123,870
SODICK CO LTD COMMON STOCK	13,300	111,431	62,286
SOFINA COMMON STOCK	6,686	1,809,202	1,512,060
SOFTBANK CORP COMMON STOCK	12,666,000	15,545,695	16,029,953
SOFTBANK GROUP CORP COMMON STOCK	488,100	17,009,193	28,526,333
SOFTCHOICE CORP COMMON STOCK	1,900	24,719	32,023
SOFTCREATE HOLDINGS CORP COMMON STOCK	2,000	24,164	29,320
SOHU.COM LTD ADR ADR	105,445	3,875,104	1,389,765
SOMPO HOLDINGS INC COMMON STOCK	401,400	4,936,051	10,520,276
SONIC HEALTHCARE LTD COMMON STOCK	199,540	3,223,667	3,336,957
SONOVA HOLDING AG REG COMMON STOCK CHF.05	22,277	3,047,375	7,283,504
SONY GROUP CORP COMMON STOCK	4,216,900	48,868,138	90,396,641
SOOCHOW SECURITIES CO LTD A COMMON STOCK CNY1.0	43,810	59,489	46,815
SOUTH32 LTD COMMON STOCK	1,984,319	3,920,309	4,178,978
SPAREBANKEN MORE CAP CERT COMMON STOCK NOK100.0	3,290	23,215	28,099
SPIN MASTER CORP SUB VTG SHR COMMON STOCK	74,337	1,745,430	1,750,657
SPIRAX SARCO ENGINEERING PLC COMMON STOCK GBP.269231	32,006	3,732,100	2,747,780
SPRING AIRLINES CO LTD A COMMON STOCK CNY1.0	7,300	59,046	57,676
SPRIX INC COMMON STOCK	800	5,742	4,637
SSE PLC COMMON STOCK GBP.5	836,928	16,964,259	16,812,624
SSP GROUP PLC COMMON STOCK GBP.01085	824,973	2,585,454	1,866,985
STABILUS SE COMMON STOCK EUR.01	15,016	757,909	470,359
STANDARD BANK GROUP LTD COMMON STOCK ZAR.1	750,823	9,155,388	8,823,662
STANDARD CHARTERED PLC COMMON STOCK USD.5	2,144,349	22,461,247	26,549,669
STANTEC INC COMMON STOCK	49,600	3,343,299	3,889,506
STAR HEALTH + ALLIED INSURAN COMMON STOCK INR10.0	459,302	3,261,634	2,548,019
STATE BANK OF INDI GDR REG S GDR	66,582	4,853,014	6,165,493
STATE BANK OF INDIA COMMON STOCK INR1.0	368,898	3,900,590	3,425,331
STELLA INTERNATIONAL COMMON STOCK HKD.1	100,000	184,122	210,094
STELLA JONES INC COMMON STOCK	27,768	1,429,030	1,374,499
STELLANTIS NV COMMON STOCK EUR.01	1,195,360	17,406,706	15,604,582
STEVANATO GROUP SPA COMMON STOCK	50,241	1,101,331	1,094,751
STMICROELECTRONICS NV COMMON STOCK EUR1.04	588,294	14,468,394	14,787,807
STOCKLAND REIT NPV	1,039,638	3,184,882	3,089,722
STORA ENSO OYJ R SHS COMMON STOCK EUR1.7	254,940	3,090,113	2,565,459
STRAUMANN HOLDING AG REG COMMON STOCK CHF.01	48,802	3,932,636	6,152,418
STRUCTURE THERAPEUTICS INC ADR USD.0001	52,370	2,107,845	1,420,274
SUBARU CORP COMMON STOCK	725,500	14,358,100	13,022,623
SUMBER ALFARIA TRIJAYA TBK P COMMON STOCK IDR10.0	3,083,400	406,345	545,989
SUMCO CORP COMMON STOCK	674,300	9,207,033	5,075,699
SUMITOMO BAKELITE CO LTD COMMON STOCK	10,700	215,658	263,755
SUMITOMO CORP COMMON STOCK	483,200	6,234,419	10,539,639
SUMITOMO ELECTRIC INDUSTRIES COMMON STOCK	524,400	7,457,847	9,521,350
SUMITOMO FORESTRY CO LTD COMMON STOCK	111,000	4,279,316	3,739,081
SUMITOMO METAL MINING CO LTD COMMON STOCK	173,000	5,028,302	3,977,151
SUMITOMO MITSUI FINANCIAL GR COMMON STOCK	1,979,700	26,868,872	47,414,042
SUMITOMO MITSUI TRUST HOLDIN COMMON STOCK	439,500	8,479,674	10,324,726
SUMITOMO PHARMA CO LTD COMMON STOCK	10,100	33,971	36,182
SUMITOMO REALTY + DEVELOPMEN COMMON STOCK	143,600	3,809,771	4,513,769

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SUMITOMO SEIKA CHEMICALS CO COMMON STOCK	3,200	103,796	97,226
SUN HUNG KAI PROPERTIES COMMON STOCK	629,157	8,299,249	6,046,199
SUN LIFE FINANCIAL INC COMMON STOCK	254,620	8,847,898	15,110,428
SUNCOR ENERGY INC COMMON STOCK	557,496	17,030,248	19,889,528
SUNCORP GROUP LTD COMMON STOCK	551,876	5,080,703	6,495,605
SUNGROW POWER SUPPLY CO LT A COMMON STOCK CNY1.0	21,280	163,662	215,242
SUNNY OPTICAL TECH COMMON STOCK HKD.1	114,800	1,070,717	1,017,512
SUNRISE COMMUNICAT CL A ADR	2,742	114,578	118,125
SUNTORY BEVERAGE + FOOD LTD COMMON STOCK	236,400	8,377,544	7,540,552
SUNWAY BHD COMMON STOCK	380,900	360,996	408,031
SUNWODA ELECTRONIC CO LTD A COMMON STOCK CNY1.0	16,200	37,583	49,515
SUPCON TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	6,556	57,070	44,612
SUZANO SA COMMON STOCK	124,466	1,145,125	1,244,690
SUZHOU DONGSHAN PRECISION A COMMON STOCK CNY1.0	16,900	48,046	67,607
SUZHOU MAXWELL TECHNOLOGIE A COMMON STOCK CNY1.0	2,560	75,148	36,878
SUZHOU TFC OPTICAL COMMUNI A COMMON STOCK CNY1.0	5,880	48,707	73,596
SUZUKI MOTOR CORP COMMON STOCK	1,031,700	9,789,463	11,750,719
SUZUMO MACHINERY CO LTD COMMON STOCK	200	1,615	2,497
SVENSKA CELLULOSA AB SCA B COMMON STOCK NPV	260,238	3,396,892	3,307,955
SVENSKA HANDELSBANKEN A SHS COMMON STOCK SEK1.55	852,067	8,248,728	8,806,575
SWATCH GROUP AG/THE BR COMMON STOCK CHF2.25	12,467	3,550,275	2,269,854
SWEDBANK AB A SHARES COMMON STOCK NPV	371,202	7,047,441	7,333,837
SWEDISH ORPHAN BIOVITRUM AB COMMON STOCK SEK.55	85,638	1,724,802	2,460,031
SWIRE PACIFIC LTD CL A COMMON STOCK	317,500	2,644,068	2,879,508
SWISS LIFE HOLDING AG REG COMMON STOCK CHF.1	12,932	4,215,037	9,983,147
SWISS PRIME SITE REG COMMON STOCK CHF2.0	33,283	2,837,965	3,628,536
SWISS RE AG COMMON STOCK CHF.1	132,715	10,826,206	19,213,471
SWISSCOM AG REG COMMON STOCK CHF1.0	11,324	5,014,438	6,303,954
SWISSQUOTE GROUP HOLDING REG COMMON STOCK CHF.2	13	1,899	4,992
SYENSQO SA COMMON STOCK	32,470	2,778,404	2,372,417
SYMRISE AG COMMON STOCK	85,822	7,578,825	9,122,371
SYNNEX TECHNOLOGY INTL CORP COMMON STOCK TWD10.0	211,050	305,089	455,775
SYSMEX CORP COMMON STOCK	218,700	3,926,782	4,058,530
SYSTEM SUPPORT INC COMMON STOCK	2,300	24,908	25,772
T M G HOLDING COMMON STOCK EGP10.0	144,502	165,488	159,200
T+D HOLDINGS INC COMMON STOCK	211,800	2,963,179	3,915,659
TACHIKAWA CORP COMMON STOCK	2,500	24,939	21,475
TAIHEIYO CEMENT CORP COMMON STOCK	71,200	1,660,777	1,625,060
TAISEI CORP COMMON STOCK	197,326	7,432,180	8,335,755
TAISHIN FINANCIAL HOLDING COMMON STOCK TWD10.0	1,894,713	735,748	1,005,597
TAIWAN BUSINESS BANK COMMON STOCK TWD10.0	1,028,504	393,870	465,869
TAIWAN CEMENT COMMON STOCK TWD10.0	1,084,040	1,134,989	1,048,180
TAIWAN COOPERATIVE FINANCIAL COMMON STOCK TWD10.0	1,682,854	869,101	1,247,338
TAIWAN HIGH SPEED RAIL CORP COMMON STOCK TWD10.0	331,000	323,686	280,675
TAIWAN MOBILE CO LTD COMMON STOCK TWD10.0	301,000	1,049,103	1,042,063
TAIWAN SEMICONDUCTOR MANUFAC COMMON STOCK TWD10.0	12,837,652	168,288,112	420,945,139
TAIWAN SEMICONDUCTOR SP ADR ADR	110,141	11,789,971	21,751,746
TAKARA + CO LTD COMMON STOCK	5,600	94,781	100,804
TAKASAGO INTERNATIONAL CORP COMMON STOCK	1,100	28,249	40,806
TAKEDA PHARMACEUTICAL CO LTD COMMON STOCK	702,090	26,260,601	18,678,024
TAL EDUCATION GROUP ADR ADR	66,449	1,050,244	665,819
TALANX AG COMMON STOCK	49,439	3,123,055	4,205,594
TATA CONSULTANCY SVCS LTD COMMON STOCK INR1.0	242,443	11,907,275	11,595,749
TATA CONSUMER PRODUCTS LTD COMMON STOCK INR1.0	106,651	1,485,885	1,139,463
TAYLOR WIMPEY PLC COMMON STOCK GBP.01	4,264,205	8,943,896	6,520,738
TBEA CO LTD A COMMON STOCK CNY1.0	53,820	39,151	93,937
TBS HOLDINGS INC COMMON STOCK	36,000	559,136	927,946
TC ENERGY CORP COMMON STOCK	609,578	24,344,560	28,393,569
TCL TECHNOLOGY GROUP CORP A COMMON STOCK CNY1.0	189,980	98,785	130,917
TCL ZHONGHUAN RENEWABLE EN A COMMON STOCK CNY1.0	42,000	86,996	51,038
TDK CORP COMMON STOCK	851,500	4,137,350	11,228,899

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
TE CONNECTIVITY PLC COMMON STOCK USD.01	5,366	791,900	767,177
TEAMVIEWER SE COMMON STOCK	138,731	1,983,599	1,371,052
TECHMATRIX CORPORATION COMMON STOCK	3,600	38,623	54,312
TECHNIP ENERGIES NV COMMON STOCK EUR.01	124,855	2,664,836	3,322,685
TECHTRONIC INDUSTRIES CO LTD COMMON STOCK	1,669,000	16,719,888	22,022,863
TECK RESOURCES LTD CLS B COMMON STOCK	213,395	5,535,998	8,647,379
TEIKOKU ELECTRIC MFG CO LTD COMMON STOCK	2,700	48,389	48,928
TELE2 AB B SHS COMMON STOCK SEK1.25	244,935	2,653,857	2,421,807
TELECOM ITALIA SPA COMMON STOCK	4,365,408	3,709,310	1,114,726
TELEFONICA BRASIL ADR ADR	235,855	2,945,451	1,780,705
TELEFONICA BRASIL S.A. COMMON STOCK	53,034	684,958	401,499
TELEFONICA SA COMMON STOCK EUR1.0	1,746,424	15,703,598	7,119,758
TELEKOM MALAYSIA BHD COMMON STOCK	182,427	224,672	271,305
TELENOR ASA COMMON STOCK NOK6.0	272,426	4,019,856	3,043,920
TELEPERFORMANCE COMMON STOCK EUR2.5	23,355	4,437,905	2,010,183
TELIA CO AB COMMON STOCK SEK3.2	1,020,594	5,076,883	2,832,918
TELKOM INDONESIA PERSERO TBK COMMON STOCK IDR50.0	8,193,100	2,100,522	1,379,515
TELSTRA GROUP LTD COMMON STOCK	2,552,960	7,757,586	6,338,469
TELUS CORP COMMON STOCK	224,827	3,892,812	3,046,779
TEMAIRAZU INC COMMON STOCK	1,800	66,206	36,937
TEMENOS AG REG COMMON STOCK CHF5.0	27,993	3,914,013	1,979,974
TENAGA NASIONAL BHD COMMON STOCK	444,500	1,213,477	1,485,146
TENARIS SA COMMON STOCK USD1.0	172,493	2,576,072	3,227,600
TENCENT HOLDINGS LTD COMMON STOCK HKD.00002	3,281,200	119,696,293	176,141,762
TENCENT MUSIC ENTERTAINM ADR ADR USD.000083	121,778	1,418,464	1,382,180
TERNA RETE ELETTRICA NAZIONA COMMON STOCK EUR.22	616,420	3,004,100	4,863,868
TERUMO CORP COMMON STOCK	860,800	10,598,068	16,771,250
TESCO PLC COMMON STOCK GBP.0633333	6,558,064	28,803,371	30,249,653
TESSENDERLO GROUP COMMON STOCK	14	606	274
TEVA PHARMACEUTICAL IND LTD COMMON STOCK ILS.1	67,809	3,028,989	1,507,611
TEVA PHARMACEUTICAL SP ADR ADR	430,634	10,775,848	9,491,173
TFI INTERNATIONAL INC COMMON STOCK	40,313	4,277,887	5,444,582
THAI OIL PCL NVDR NVDR THB10.0	364,624	562,644	302,116
THALES SA COMMON STOCK EUR3.0	41,443	3,572,792	5,950,058
THE SAUDI NATIONAL BANK COMMON STOCK SAR10.0	474,848	4,448,618	4,220,983
THE SHANGHAI COMMERCIAL + SA COMMON STOCK TWD10.0	608,414	952,662	734,896
THOMSON REUTERS CORP COMMON STOCK	75,330	4,252,086	12,089,884
THYSSENKRUPP AG COMMON STOCK	16,049	69,086	65,162
TIAN DI SCIENCE + TECHNOLO A COMMON STOCK CNY1.0	79,000	72,012	66,886
TIANFENG SECURITIES CO LTD A COMMON STOCK CNY1.0	39,700	25,632	24,366
TIANQI LITHIUM CORP A COMMON STOCK CNY1.0	13,700	211,274	61,938
TIANSHAN ALUMINUM GROUP CO A COMMON STOCK CNY1.0	38,700	51,187	41,726
TIANSHUI HUATIAN TECHNOLOG A COMMON STOCK CNY1.0	24,600	40,500	39,128
TIM SA ADR ADR	133,599	2,093,684	1,571,124
TIM SA COMMON STOCK	128,337	395,101	300,804
TINGYI (CAYMAN ISLN) HLDG CO COMMON STOCK USD.005	2,080,000	2,533,636	2,709,801
TIS INC COMMON STOCK	128,400	2,740,905	3,053,136
TISCO FINANCIAL FOREIGN FOREIGN SH. THB10.0 A	1,388,800	4,155,603	4,012,225
TITAN CO LTD COMMON STOCK INR1.0	454,970	17,697,605	17,287,943
TMBTHANACHART BANK PCL FOREIGN SH. THB.95 A	3,616,200	177,853	197,276
TMX GROUP LTD COMMON STOCK	398,092	8,522,525	12,256,650
TOHO CO LTD COMMON STOCK	47,610	1,214,928	1,864,291
TOKIO MARINE HOLDINGS INC COMMON STOCK	1,136,100	18,419,027	41,407,361
TOKYO ELECTRIC POWER COMPANY COMMON STOCK	667,100	6,985,634	2,016,241
TOKYO ELECTRON LTD COMMON STOCK	278,000	22,926,692	42,780,797
TOKYO GAS CO LTD COMMON STOCK	159,900	3,503,537	4,446,189
TOKYO SEIMITSU CO LTD COMMON STOCK	2,100	98,442	98,306
TOKYU CORP COMMON STOCK	226,000	2,858,693	2,427,386
TONGCHENG TRAVEL HOLDINGS LT COMMON STOCK USD.0005	211,200	426,029	494,833
TONGFU MICROELECTRONIC CO A COMMON STOCK CNY1.0	16,000	59,291	64,774
TONGKUN GROUP CO LTD A COMMON STOCK CNY1.0	25,500	48,978	41,223

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
TONGLING NONFERROUS METALS A COMMON STOCK CNY1.0	132,400	71,423	58,588
TONGWEI CO LTD A COMMON STOCK CNY1.0	44,400	121,467	134,491
TOPAZ ENERGY CORP COMMON STOCK	5,470	102,898	105,924
TOPPAN HOLDINGS INC COMMON STOCK	105,200	1,904,003	2,817,427
TORAY INDUSTRIES INC COMMON STOCK	599,900	4,101,338	3,822,855
TOREX GOLD RESOURCES INC COMMON STOCK	89,340	1,329,055	1,759,219
TOROMONT INDUSTRIES LTD COMMON STOCK	35,700	2,510,104	2,820,851
TORONTO DOMINION BANK COMMON STOCK	936,628	46,756,481	49,840,176
TOSHIBA TEC CORP COMMON STOCK	3,300	114,620	75,802
TOTAL ENERGY SERVICES INC COMMON STOCK	11,300	73,265	90,749
TOTALENERGIES SE COMMON STOCK EUR2.5	1,368,235	71,963,945	75,615,011
TOTO LTD COMMON STOCK	62,000	1,899,884	1,501,082
TOTVS SA COMMON STOCK	84,207	445,701	364,615
TOURMALINE OIL CORP COMMON STOCK	159,100	6,024,638	7,358,735
TOWA BANK LTD/THE COMMON STOCK	27,300	121,190	111,347
TOYO SEIKAN GROUP HOLDINGS L COMMON STOCK	65,200	870,900	998,370
TOYO SUISAN KAISHA LTD COMMON STOCK	19,400	698,973	1,328,226
TOYOTA INDUSTRIES CORP COMMON STOCK	93,200	5,436,249	7,629,282
TOYOTA MOTOR CORP COMMON STOCK	4,520,200	59,763,747	90,484,533
TOYOTA TSUSHO CORP COMMON STOCK	279,300	2,439,279	5,025,836
TRAINLINE PLC COMMON STOCK GBP.01	71,010	342,928	384,190
TRANSOCEAN LTD COMMON STOCK CHF.1	33,351	178,295	125,066
TRANSURBAN GROUP STAPLED SECURITY	1,354,717	10,619,534	11,231,174
TRAVELSKY TECHNOLOGY LTD H COMMON STOCK CNY1.0	2,087,000	4,586,853	2,794,148
TREASURY WINE ESTATES LTD COMMON STOCK	625,818	4,787,904	4,390,096
TRELLEBORG AB B SHS COMMON STOCK SEK25.0	94,131	3,660,982	3,225,377
TREND MICRO INC COMMON STOCK	123,500	5,162,633	6,732,149
TRINA SOLAR CO LTD A COMMON STOCK CNY1.0	18,710	204,487	49,471
TRIP.COM GROUP LTD ADR ADR USD.01	349,678	15,860,750	24,008,891
TRIP.COM GROUP LTD COMMON STOCK USD.00125	99,575	4,127,298	6,922,097
TRUE CORP PCL/NEW FOREIGN FOREIGN SH. THB4.0 A	872,592	319,153	284,082
TRUE CORP PCL/NEW NVDR NVDR THB4.0	499,005	111,746	162,457
TRUST FIBRA UNO REIT	446,460	703,203	444,254
TRUSTPILOT GROUP PLC COMMON STOCK GBP.0001	444,229	1,249,436	1,708,002
TRYG A/S COMMON STOCK DKK5.0	424,832	9,584,260	8,937,187
TSI HOLDINGS CO LTD COMMON STOCK	4,600	13,392	30,909
TSINGTAO BREWERY CO LTD A COMMON STOCK CNY1.0	4,600	32,570	50,996
TSINGTAO BREWERY CO LTD H COMMON STOCK CNY1.0	606,000	3,271,727	4,431,130
TSUBAKIMOTO CHAIN CO COMMON STOCK	5,700	49,807	70,942
TSUGAMI CORP COMMON STOCK	16,400	159,324	162,581
TSUKADA GLOBAL HOLDINGS INC COMMON STOCK	8,700	24,663	24,302
TSUKUBA BANK LTD COMMON STOCK	39,500	71,572	61,075
TSUMURA + CO COMMON STOCK	38,800	1,004,253	1,162,321
TUPRAS TURKIYE PETROL RAFINE COMMON STOCK TRY1.0	214,759	775,282	861,818
TURK HAVA YOLLARI AO COMMON STOCK TRY1.0	84,107	277,828	668,375
TURK SISE VE CAM FABRIKALARI COMMON STOCK TRY1.0	202,051	200,955	237,247
TURKCELL ILETISIM HIZMET ADR ADR TRY1.0	136,837	1,115,222	890,809
TURKCELL ILETISIM HIZMET AS COMMON STOCK TRY1.0	398,464	1,244,234	1,045,728
TURKIYE IS BANKASI C COMMON STOCK TRY1.0	1,449,980	301,354	555,216
TYK CORP COMMON STOCK	7,500	17,816	20,377
UBS GROUP AG REG COMMON STOCK CHF.1	1,584,140	27,809,149	48,472,499
UCB SA COMMON STOCK	55,390	4,045,257	11,023,890
ULS GROUP INC COMMON STOCK	400	11,266	13,464
ULTRAPAR PARTICIPACOES SA COMMON STOCK	168,810	1,053,827	433,922
ULTRATECH CEMENT LTD COMMON STOCK INR10.0	66,076	9,242,547	8,818,765
UNI PRESIDENT CHINA HOLDINGS COMMON STOCK HKD.01	2,867,000	1,971,817	2,882,520
UNI PRESIDENT ENTERPRISES CO COMMON STOCK TWD10.0	789,635	1,607,997	1,948,527
UNIBAIL RODAMCO WESTFIELD REIT EUR5.0	50,917	8,460,014	3,834,130
UNICHARM CORP COMMON STOCK	525,900	3,941,549	4,358,518
UNICREDIT SPA COMMON STOCK NPV	969,094	19,221,547	38,659,717
UNIGROUP GUOXIN MICROELECT A COMMON STOCK CNY1.0	7,579	60,585	66,837

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
UNILEVER INDONESIA TBK PT COMMON STOCK IDR2.0	16,506,600	3,430,007	1,933,205
UNILEVER PLC COMMON STOCK GBP.00031111	1,203,703	50,616,373	68,547,365
UNIMICRON TECHNOLOGY CORP COMMON STOCK TWD10.0	1,236,000	6,568,919	5,315,805
UNIPOL GRUPPO SPA COMMON STOCK	217,463	2,495,649	2,708,951
UNIPRES CORP COMMON STOCK	8,300	48,119	57,301
UNISPLENDOR CORP LTD A COMMON STOCK CNY1.0	30,660	92,368	116,898
UNITED BREWERIES LTD COMMON STOCK INR1.0	193,000	4,781,110	4,592,031
UNITED INTEGRATED SERVICES COMMON STOCK TWD10.0	692,000	5,396,696	10,173,832
UNITED MICROELECTRONICS CORP COMMON STOCK TWD10.0	1,829,000	1,354,227	2,401,697
UNITED OVERSEAS BANK LTD COMMON STOCK	890,973	15,993,212	23,727,495
UNITED TRACTORS TBK PT COMMON STOCK IDR250.0	469,900	763,304	781,707
UNITED UTILITIES GROUP PLC COMMON STOCK GBP.05	293,774	3,102,391	3,868,705
UNIVERSAL MUSIC GROUP NV COMMON STOCK EUR10.0	359,777	9,943,793	9,209,414
UNIVERSAL ROBINA CORP COMMON STOCK PHP1.0	146,730	375,758	200,392
UNIVERSAL SCIENTIFIC INDUS A COMMON STOCK CNY1.0	25,100	49,563	56,739
UPL LTD COMMON STOCK INR2.0	1,173,345	7,730,137	6,866,255
UPM KYMMENE OYJ COMMON STOCK	234,846	5,377,661	6,458,942
UR ENERGY INC COMMON STOCK	18,373	25,343	21,129
USS CO LTD COMMON STOCK	271,700	2,304,808	2,380,573
VAISALA OYJ A SHS COMMON STOCK	712	42,378	35,684
VALE SA COMMON STOCK	2,132,639	28,172,473	18,831,059
VALE SA SP ADR ADR	291,184	4,084,594	2,582,802
VALUECOMMERCE CO LTD COMMON STOCK	2,600	32,521	19,455
VANGUARD INTERNATIONAL SEMI COMMON STOCK TWD10.0	159,263	354,876	485,302
VANQUIS BANKING GROUP PLC COMMON STOCK GBP.2072727	97,605	609,208	54,397
VAT GROUP AG COMMON STOCK CHF.1	11,805	5,399,347	4,465,384
VEOLIA ENVIRONNEMENT COMMON STOCK EUR5.0	440,314	11,562,434	12,360,674
VERBUND AG COMMON STOCK	29,171	1,338,138	2,114,460
VERONA PHARMA PLC ADR ADR	183,984	3,331,225	8,544,217
VESTAS WIND SYSTEMS A/S COMMON STOCK DKK.2	732,900	10,421,388	9,981,509
VIBRA ENERGIA SA COMMON STOCK	162,838	849,259	470,233
VICINITY CENTRES REIT	1,695,243	2,811,583	2,204,181
VICTORIA GOLD CORP COMMON STOCK	37,922	209,037	12,656
VICTORIAN PLUMBING PLC COMMON STOCK GBP.1	23,950	25,612	27,835
VICTORY GIANT TECHNOLOGY A COMMON STOCK CNY1.0	12,900	48,959	74,386
VINCI SA COMMON STOCK EUR2.5	270,692	21,834,852	27,957,279
VIPSHOP HOLDINGS LTD ADR ADR USD.0001	60,285	652,015	812,039
VIRBAC SA COMMON STOCK EUR1.25	18	6,386	5,899
VISCOFAN SA COMMON STOCK EUR.7	12,705	317,777	802,518
VITALHUB CORP COMMON STOCK	4,200	18,907	32,912
VIVA ENERGY GROUP LTD COMMON STOCK	2,002,368	4,591,194	3,260,586
VODACOM GROUP LTD COMMON STOCK	103,683	1,014,265	556,932
VODAFONE GROUP PLC COMMON STOCK USD.2095238	11,312,398	30,655,728	9,676,502
VOLKSWAGEN AG PEF PREFERENCE	90,157	11,207,612	8,312,559
VOLTRONIC POWER TECHNOLOGY COMMON STOCK TWD10.0	11,000	629,238	624,075
VOLVO AB A SHS COMMON STOCK SEK1.26	87,729	2,231,107	2,145,338
VOLVO AB B SHS COMMON STOCK SEK1.26	943,953	15,769,350	22,946,877
VONOVIA SE COMMON STOCK	426,852	18,442,411	12,959,594
VTB BANK PJSC COMMON STOCK RUB.01	86,401	10,844	-
VTECH HOLDINGS LTD COMMON STOCK USD.05	28,234	203,534	191,911
WACOM CO LTD COMMON STOCK	13,300	55,917	61,355
WALMART DE MEXICO SAB DE CV COMMON STOCK	5,255,478	17,301,893	13,873,739
WALSIN LIHWA CORP COMMON STOCK TWD10.0	402,158	620,028	290,721
WAN HAI LINES LTD COMMON STOCK TWD10.0	108,100	466,111	267,410
WANHUA CHEMICAL GROUP CO A COMMON STOCK CNY1.0	32,300	259,633	315,732
WANT WANT CHINA HOLDINGS LTD COMMON STOCK USD.02	829,000	656,819	486,646
WAREHOUSES DE PAUW SCA REIT	78,356	2,722,333	1,541,615
WARTSILA OYJ ABP COMMON STOCK	390,932	4,833,878	6,926,301
WEG SA COMMON STOCK	2,882,005	19,306,566	24,617,529
WEIBO CORP CLASS A COMMON STOCK USD.00025	34,000	1,202,190	327,178
WEIBO CORP SPON ADR ADR USD.00025	29,338	1,646,543	280,178

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
WEICHAI POWER CO LTD A COMMON STOCK CNY1.0	52,500	151,430	98,538
WEICHAI POWER CO LTD H COMMON STOCK CNY1.0	10,150,400	14,010,338	15,523,626
WEIHAI GUANGWEI COMPOSITES A COMMON STOCK CNY1.0	11,840	66,524	56,205
WEIR GROUP PLC/THE COMMON STOCK GBP.125	83,191	2,095,342	2,275,475
WENS FOODSTUFFS GROUP CO L A COMMON STOCK CNY1.0	72,140	300,007	163,172
WESFARMERS LTD COMMON STOCK	504,157	12,479,085	22,328,011
WEST FRASER TIMBER CO LTD COMMON STOCK	28,680	2,444,519	2,483,725
WEST JAPAN RAILWAY CO COMMON STOCK	190,800	4,911,849	3,395,696
WESTERN MINING CO A COMMON STOCK CNY1.0	34,900	62,993	76,836
WESTERN SECURITIES CO LTD A COMMON STOCK CNY1.0	38,100	49,104	42,541
WESTERN SUPERCONDUCTING TE A COMMON STOCK CNY1.0	5,686	55,917	33,356
WESTON (GEORGE) LTD COMMON STOCK	26,884	1,973,973	4,178,591
WESTPAC BANKING CORP COMMON STOCK	1,512,831	29,747,642	30,273,162
WH GROUP LTD COMMON STOCK USD.0001	24,041,983	14,758,095	18,601,088
WH SMITH PLC COMMON STOCK GBP.22	113,491	1,655,549	1,689,998
WHARF HOLDINGS LTD COMMON STOCK	461,000	1,199,740	1,296,719
WHARF REAL ESTATE INVESTMENT COMMON STOCK HKD.1	713,900	3,248,672	1,825,199
WHEATON PRECIOUS METALS CORP COMMON STOCK	213,986	5,611,475	12,038,386
WHITBREAD PLC COMMON STOCK GBP.767974	253,115	10,062,902	9,338,855
WIENERBERGER AG COMMON STOCK	89,353	2,194,268	2,477,820
WILH WILHELMESEN HOLDING A COMMON STOCK NOK20.0	356	12,524	12,836
WILL SEMICONDUCTOR CO LTD A COMMON STOCK CNY1.0	11,885	152,452	170,006
WILMAR INTERNATIONAL LTD COMMON STOCK	6,779,600	17,466,228	15,405,923
WINGTECH TECHNOLOGY CO LTD A COMMON STOCK CNY1.0	9,500	129,932	50,472
WINPAK LTD COMMON STOCK	31,820	972,570	1,056,020
WINTIME ENERGY GROUP CO L A COMMON STOCK CNY1.0	227,300	47,887	53,250
WISE PLC A COMMON STOCK GBP.01	319,903	2,432,333	4,270,892
WISETECH GLOBAL LTD COMMON STOCK	80,298	2,383,529	6,018,682
WISTRON CORP COMMON STOCK TWD10.0	445,000	1,061,255	1,411,643
WIWYNN CORP COMMON STOCK TWD10.0	114,281	7,622,480	9,132,859
WIX.COM LTD COMMON STOCK ILS.01	41,534	3,809,581	8,911,120
WIZZ AIR HOLDINGS PLC COMMON STOCK GBP.0001	174,975	4,758,709	3,153,406
WOLTERS KLUWER COMMON STOCK EUR.12	189,474	13,088,645	31,470,534
WONIK IPS CO LTD COMMON STOCK KRW500.0	231,419	5,794,589	3,513,375
WOODSIDE ENERGY GROUP LTD COMMON STOCK	846,160	19,008,402	12,887,943
WOOLWORTHS GROUP LTD COMMON STOCK	535,191	11,152,681	10,103,276
WOOLWORTHS HOLDINGS LTD COMMON STOCK	149,960	677,005	495,496
WOORI FINANCIAL GROUP INC COMMON STOCK KRW5000.0	104,488	1,056,144	1,090,908
WOWOW INC COMMON STOCK	3,700	34,781	23,543
WPG HOLDINGS LTD COMMON STOCK TWD10.0	261,880	387,196	546,374
WPP PLC COMMON STOCK GBP.1	550,329	7,749,719	5,702,706
WSP GLOBAL INC COMMON STOCK	63,364	5,196,900	11,144,874
WUHAN GUIDE INFRARED CO LT A COMMON STOCK CNY1.0	40,843	26,281	41,575
WULIANGYE YIBIN CO LTD A COMMON STOCK CNY1.0	348,636	6,330,509	6,688,767
WUS PRINTED CIRCUIT KUNSHA A COMMON STOCK CNY1.0	21,230	57,810	115,323
WUXI APTEC CO LTD A COMMON STOCK CNY1.0	27,164	193,178	204,830
WUXI APTEC CO LTD H COMMON STOCK CNY1.0	54,300	852,856	394,950
WUXI BIOLOGICS CAYMAN INC COMMON STOCK USD.00001	564,500	3,096,512	1,276,092
XBIOTECH INC COMMON STOCK	601	3,318	2,374
XCMG CONSTRUCTION MACHIN A COMMON STOCK CNY1.0	106,400	77,530	115,594
XEBIO HOLDINGS CO LTD COMMON STOCK	4,600	31,101	33,455
XENON PHARMACEUTICALS INC COMMON STOCK	7,248	293,848	284,122
XERO LTD COMMON STOCK	69,367	6,371,445	7,239,415
XIAMEN C + D INC A COMMON STOCK CNY1.0	43,200	49,577	62,262
XIAMEN TUNGSTEN CO LTD A COMMON STOCK CNY1.0	22,200	64,557	58,608
XIAOMI CORP CLASS B COMMON STOCK USD.0000025	2,485,200	4,892,700	11,037,584
XINJIANG DAQO NEW ENERGY C A COMMON STOCK CNY1.0	15,514	81,223	51,308
XINYI SOLAR HOLDINGS LTD COMMON STOCK HKD.1	828,524	600,493	334,910
XPENG INC CLASS A SHARES COMMON STOCK USD.00001	198,600	2,701,635	1,192,681
XPLORE INC	11,965	47,860	47,860
YADEA GROUP HOLDINGS LTD COMMON STOCK USD.00001	212,666	374,624	354,263

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
YAGEO CORPORATION COMMON STOCK TWD10.0	64,615	888,978	1,066,257
YAKULT HONSHA CO LTD COMMON STOCK	112,400	2,763,514	2,136,287
YAMABIKO CORP COMMON STOCK	3,700	30,841	60,011
YAMAGATA BANK LTD/THE COMMON STOCK	5,300	40,417	33,791
YAMAHA MOTOR CO LTD COMMON STOCK	406,482	2,480,997	3,632,629
YAMAICHI ELECTRONICS CO LTD COMMON STOCK	4,200	94,135	61,974
YAMANASHI CHUO BANK LTD/THE COMMON STOCK	5,500	68,402	66,038
YANBU NATIONAL PETROCHEMICAL COMMON STOCK SAR10.0	44,709	460,022	449,779
YANG MING MARINE TRANSPORT COMMON STOCK TWD10.0	287,000	1,071,122	662,688
YANGZJIANG SHIPBUILDING COMMON STOCK	3,755,100	5,292,447	8,230,281
YANTAI JEREH OILFIELD A COMMON STOCK CNY1.0	68,200	311,826	345,613
YAPI VE KREDI BANKASI COMMON STOCK TRY1.0	552,439	359,910	478,378
YARA INTERNATIONAL ASA COMMON STOCK NOK1.7	71,918	2,402,433	1,904,752
YASKAWA ELECTRIC CORP COMMON STOCK	249,300	7,219,468	6,451,407
YEALINK NETWORK TECHNOLOGY A COMMON STOCK CNY1.0	14,630	90,734	77,367
YIFENG PHARMACY CHAIN CO L A COMMON STOCK CNY1.0	11,312	41,479	37,395
YIHAI KERRY ARAWANA HOLDIN A COMMON STOCK CNY1.0	15,700	176,763	70,141
YINTAI GOLD CO LTD A COMMON STOCK CNY1.0	31,080	51,948	65,445
YOKOGAWA ELECTRIC CORP COMMON STOCK	99,200	1,391,521	2,144,831
YONYOU NETWORK TECHNOLOGY A COMMON STOCK CNY1.0	29,908	83,762	43,965
YOROZU CORP COMMON STOCK	8,800	49,384	67,921
YOSSIX HOLDINGS CO LTD COMMON STOCK	2,300	36,229	47,490
YOUNGOR FASHION CO LTD COMMON STOCK CNY1.0	59,000	62,308	71,939
YTL CORP BHD COMMON STOCK	503,900	285,480	300,886
YTL POWER INTERNATIONAL BHD COMMON STOCK	379,500	317,510	375,129
YTO EXPRESS GROUP CO LTD A COMMON STOCK CNY1.0	26,800	75,305	52,100
YUANTA FINANCIAL HOLDING CO COMMON STOCK TWD10.0	1,662,249	855,916	1,723,878
YUE YUEN INDUSTRIAL HLDG COMMON STOCK HKD.25	3,382,524	5,721,711	7,576,763
YUHAN CORP COMMON STOCK KRW1000.0	9,139	310,927	741,847
YUM CHINA HOLDINGS INC COMMON STOCK USD.01	305,414	12,850,587	14,712,119
YUNNAN ALUMINIUM CO LTD A COMMON STOCK CNY1.0	32,200	68,877	59,686
YUNNAN BAIYAO GROUP CO LTD A COMMON STOCK CNY1.0	23,280	193,227	191,203
YUNNAN CHIHONG ZINC + GERM A COMMON STOCK CNY1.0	72,600	52,359	55,400
YUNNAN ENERGY NEW MATERIAL A COMMON STOCK CNY1.0	8,200	112,810	35,938
YUNNAN TIN CO LTD A COMMON STOCK CNY1.0	26,500	66,830	50,936
YUNNAN YUNTIANHUA CO A COMMON STOCK CNY1.0	28,700	85,870	87,682
YUSHIN PRECISION EQUIPMENT COMMON STOCK	2,800	19,371	11,794
YUSHIRO CHEMICAL INDUSTRY CO COMMON STOCK	2,417	34,045	33,373
YUTONG BUS CO LTD A COMMON STOCK CNY1.0	29,200	50,008	105,531
ZALANDO SE COMMON STOCK	203,674	8,699,368	6,831,195
ZANGGE MINING CO LTD A COMMON STOCK CNY1.0	22,600	95,353	85,858
ZEALAND PHARMA A/S COMMON STOCK DKK1.0	28,084	3,694,910	2,790,227
ZEHNDER GROUP AG RG COMMON STOCK CHF.05	558	51,671	27,831
ZENSHO HOLDINGS CO LTD COMMON STOCK	42,300	1,974,284	2,412,683
ZHANGZHOU PIENZEHUANG PHA A COMMON STOCK CNY1.0	6,100	140,887	179,258
ZHAOJIN MINING INDUSTRY H COMMON STOCK CNY1.0	251,500	266,689	354,848
ZHEJIANG CHINA COMMODITIES A COMMON STOCK CNY1.0	56,000	62,068	102,882
ZHEJIANG CHINT ELECTRICS A COMMON STOCK CNY1.0	25,000	78,896	80,179
ZHEJIANG DAHUA TECHNOLOGY A COMMON STOCK CNY1.0	36,600	93,416	80,227
ZHEJIANG DINGLI MACHINERY A COMMON STOCK CNY1.0	4,220	28,580	37,302
ZHEJIANG EXPRESSWAY CO H COMMON STOCK CNY1.0	380,520	297,764	273,831
ZHEJIANG HUAHAI PHARMACEUT A COMMON STOCK CNY1.0	14,320	32,522	35,058
ZHEJIANG HUAYOU COBALT CO A COMMON STOCK CNY1.0	16,847	125,059	67,533
ZHEJIANG JINGSHENG MECHANI A COMMON STOCK CNY1.0	13,300	74,702	58,125
ZHEJIANG JUHUA CO A COMMON STOCK CNY1.0	32,100	61,894	106,073
ZHEJIANG LEAPMOTOR TECHNOLOG COMMON STOCK CNY1.0	83,200	417,480	348,633
ZHEJIANG LONGSHENG GROUP C A COMMON STOCK CNY1.0	4,520,300	6,403,360	6,372,420
ZHEJIANG NHU CO LTD A COMMON STOCK CNY1.0	47,304	111,380	142,380
ZHEJIANG SANHUA INTELLIGEN A COMMON STOCK CNY1.0	15,100	55,073	48,635
ZHEJIANG SUPOR CO LTD A COMMON STOCK CNY1.0	5,600	57,843	40,823
ZHEJIANG WANFENG AUTO A COMMON STOCK CNY1.0	19,600	40,565	50,885

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ZHEJIANG WEIMING ENVIRONME A COMMON STOCK CNY1.0	14,950	59,445	44,302
ZHEJIANG ZHENENG ELECTRIC A COMMON STOCK CNY1.0	140,200	106,321	108,714
ZHEN DING TECHNOLOGY HOLDING COMMON STOCK TWD10.0	108,000	338,071	395,309
ZHESHANG SECURITIES CO LTD A COMMON STOCK CNY1.0	29,300	49,932	49,133
ZHONGJI INNOLIGHT CO LTD A COMMON STOCK CNY1.0	11,640	65,808	196,959
ZHONGJIN GOLD CORP A COMMON STOCK CNY1.0	62,600	100,914	103,172
ZHONGSHENG GROUP HOLDINGS COMMON STOCK HKD.0001	4,809,000	9,134,240	8,642,388
ZHONGTAI SECURITIES CO LTD A COMMON STOCK CNY1.0	45,000	70,532	40,504
ZHUZHOU CRRC TIMES ELECTRI A COMMON STOCK CNY1.0	6,009	50,783	39,449
ZHUZHOU CRRC TIMES ELECTRI H COMMON STOCK CNY1.0	88,300	420,432	372,845
ZIGEXN CO LTD COMMON STOCK	13,900	69,433	42,188
ZIJIN MINING GROUP CO LTD A COMMON STOCK CNY.1	169,300	235,718	350,696
ZIJIN MINING GROUP CO LTD H COMMON STOCK CNY.1	978,000	657,375	1,780,253
ZINZINO AB B SHS COMMON STOCK SEK.1	2,845	20,384	21,783
ZIP CO LTD COMMON STOCK	463,005	654,940	848,542
ZOOMLION HEAVY INDUSTRY S A COMMON STOCK CNY1.0	82,200	64,915	81,420
ZOZO INC COMMON STOCK	105,700	2,218,190	3,293,541
ZTE CORP A COMMON STOCK CNY1.0	35,600	167,042	197,039
ZTE CORP H COMMON STOCK CNY1.0	131,000	243,111	410,642
ZTO EXPRESS CAYMAN INC ADR ADR USD.0001	425,887	8,623,949	8,326,091
ZTO EXPRESS CAYMAN INC COMMON STOCK USD.0001	69,900	1,680,866	1,361,475
ZUKEN INC COMMON STOCK	11,600	175,153	306,312
ZURICH INSURANCE GROUP AG COMMON STOCK CHF.1	64,397	19,728,877	38,286,459

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
Total Fixed Income and Short Term Securities	344,428,582,014	23,876,880,692	22,448,856,910
1011778 BC / NEW RED FIN SECURED 144A 01/28 4.375%	1,201,000	1,189,886	1,147,212
1011778 BC / NEW RED FIN SECURED 144A 10/30 4%	2,524,000	2,390,645	2,257,309
1011778 BC / NEW RED FIN SR SECURED 144A 01/28 3.875%	978,000	973,666	924,865
1011778 BC / NEW RED FIN SR SECURED 144A 02/29 3.5%	153,000	151,170	140,209
1011778 BC / NEW RED FIN SR SECURED 144A 06/29 6.125	2,515,000	2,515,000	2,524,239
1011778 BC / NEW RED FIN SR SECURED 144A 09/29 5.625%	1,420,000	1,420,000	1,398,731
1011778 BC UNLIMITED LBLTY CO 2024 TERM LOAN B6 due 09/20/30	1,000,000	1,001,250	993,960
1211 AVENUE OF THE AMERICAS TR AOTA 2015 1211 A1A2 144A	568,000	558,374	560,513
1211 AVENUE OF THE AMERICAS TR AOTA 2015 1211 B 144A	900,000	886,708	886,815
1988 CLO LTD. MUZ88 2024 5A A1 144A	2,025,000	2,025,000	2,037,666
280 PARK AVENUE MORTGAGE TRUST PRK 2017 280P A 144A	1,675,000	1,676,504	1,662,438
37 CAPITAL CLO LTD PUTNM 2023 1A D 144A	1,700,000	1,763,100	1,707,099
522 FUNDING CLO LTD MORGN 2018 3A AR 144A	531,344	531,873	532,030
522 FUNDING CLO LTD MORGN 2019 4A CR 144A	625,000	625,000	625,324
522 FUNDING CLO LTD MORGN 2019 4A DR 144A	1,000,000	1,000,000	1,005,641
522 FUNDING CLO LTD MORGN 2020 6A A1R2 144A	500,000	500,000	500,855
6297782 LLC COMPANY GUAR 144A 09/27 4.911%	325,000	325,000	323,881
6297782 LLC COMPANY GUAR 144A 10/29 5.026%	195,000	194,992	191,571
A+D MORTGAGE TRUST ADMT 2023 NQM5 A1 144A	186,486	186,475	189,167
A2A SPA SUBORDINATED REGS 12/99 VAR	200,000	220,730	213,962
AAG US GSI BIDCO INC TERM LOAN B due 10/08/31	108,333	107,268	109,010
AAL DELAWARE HOLDCO INC 2024 TERM LOAN B due 07/30/31	536,778	536,778	539,800
AAP BUYER INC TERM LOAN B due 09/09/31	358,750	357,892	360,992
AAR ESCROW ISSUER LLC COMPANY GUAR 144A 03/29 6.75	385,000	392,266	390,431
AB CARVAL EURO CLO ABCVL 2X D REGS	100,000	108,240	105,088
ABB FINANCE BV COMPANY GUAR REGS 01/34 3.375	530,000	597,135	560,235
ABBVIE INC SR UNSECURED 03/25 3.8%	12,870,000	12,829,252	12,846,802
ABBVIE INC SR UNSECURED 03/29 4.8	10,539,000	10,588,521	10,534,923
ABBVIE INC SR UNSECURED 03/31 4.95	4,365,000	4,366,987	4,365,064
ABBVIE INC SR UNSECURED 03/34 5.05	1,702,000	1,714,785	1,683,179
ABBVIE INC SR UNSECURED 05/25 3.6%	13,384,000	13,315,134	13,328,702
ABBVIE INC SR UNSECURED 05/26 3.2%	2,260,000	2,260,447	2,219,761
ABBVIE INC SR UNSECURED 05/35 4.5%	1,696,000	1,724,814	1,588,736
ABBVIE INC SR UNSECURED 05/36 4.3%	103,000	97,100	94,084
ABBVIE INC SR UNSECURED 05/46 4.45%	825,000	882,164	702,191
ABBVIE INC SR UNSECURED 11/26 2.95%	6,170,000	6,111,582	5,993,516
ABBVIE INC SR UNSECURED 11/29 3.2%	4,795,000	4,479,393	4,449,441
ABBVIE INC SR UNSECURED 11/39 4.05%	1,084,000	938,936	927,154
ABBVIE INC SR UNSECURED 11/48 4.875%	60,000	56,571	53,953
ABBVIE INC SR UNSECURED 11/49 4.25%	640,000	551,360	521,126
ABC SUPPLY CO INC SR SECURED 144A 01/28 4%	446,000	435,717	427,391
ABC SUPPLY CO INC SR UNSECURED 144A 11/29 3.875%	1,822,000	1,774,586	1,652,598
ABERTIS FINANCE BV COMPANY GUAR REGS 12/99 VAR	100,000	114,856	102,849
ABG INTERMEDIATE HLDINGS 2 LLC 2024 TERM LOAN B due 12/21/28	488,794	488,794	490,167
ABU DHABI CRUDE OIL SR SECURED 144A 11/47 4.6%	1,305,000	1,310,102	1,147,160
ABU DHABI DEVELOPMENT HO SR UNSECURED 144A 10/54 5.25%	917,000	892,056	843,374
ABU DHABI GOVT INT L SR UNSECURED 144A 04/54 5.5	510,000	501,544	501,261
ABU DHABI GOVT INT L SR UNSECURED REGS 09/49 3.125%	1,111,000	959,391	738,253
ACADEMY LTD SR SECURED 144A 11/27 6%	1,250,000	1,266,336	1,243,301
ACADIA HEALTHCARE CO INC COMPANY GUAR 144A 04/29 5%	1,325,000	1,298,553	1,239,336
ACCELERATED HEALTH SYSTEMS LLC 2022 TERM LOAN B due 02/15/29	390,000	377,588	299,130
ACCESS CIG, LLC 2023 TERM LOAN due 08/18/28	1,580,168	1,573,674	1,593,995
ACCO BRANDS CORP COMPANY GUAR 144A 03/29 4.25%	145,000	126,549	131,882
ACCOR SA JR SUBORDINA REGS 12/99 VAR	100,000	111,300	105,105
ACRISURE LLC / FIN INC SR SECURED 144A 02/29 4.25%	1,020,000	963,401	958,926
ACRISURE LLC / FIN INC SR SECURED 144A 11/30 7.5	225,000	226,062	231,673
ACRISURE LLC 2024 TERM LOAN B6 due 11/06/30	1,517,116	1,517,116	1,516,646
ACURIS FIN US/ACURIS FIN SR SECURED 144A 05/28 5%	1,140,000	1,070,147	1,031,165
ACUSHNET CO COMPANY GUAR 144A 10/28 7.375%	81,000	81,000	83,710
ACWA POWER MGMT INVST SR SECURED 144A 12/39 5.95	466,434	453,823	458,039

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ADAPTHEALTH LLC COMPANY GUAR 144A 03/30 5.125%	1,695,000	1,485,218	1,535,696
ADAPTHEALTH LLC COMPANY GUAR 144A 08/28 6.125%	500,000	508,113	489,515
ADAPTHEALTH LLC COMPANY GUAR 144A 08/29 4.625%	495,000	422,955	445,154
ADIENT GLOBAL HOLDINGS COMPANY GUAR 144A 04/31 8.25%	1,684,000	1,698,840	1,718,404
ADLER FINANCING SARL SR SECURED 12/28 12.5%	301,000	333,180	321,815
ADLER FINANCING SARL SR SECURED 12/29 14%	80,000	86,070	88,260
ADLER REAL ESTATE GMBH SR UNSECURED REGS 04/26 3%	200,000	214,037	197,796
ADNOC MURBAN RSC LTD SR UNSECURED 144A 09/54 5.125%	200,000	196,912	180,420
ADT SEC CORP SR SECURED 144A 07/32 4.875%	171,000	169,071	157,072
ADT SEC CORP SR SECURED 144A 08/29 4.125%	531,000	527,706	488,216
ADTALEM GLOBAL EDUCATION INC 2024 1ST LIEN TERM LOAN B due 08/12/28	498,166	498,166	500,447
ADTALEM GLOBAL EDUCATION SR SECURED 144A 03/28 5.5%	503,000	501,111	491,418
ADVANCED DRAINAGE SYSTEM COMPANY GUAR 144A 06/30 6.375%	1,077,000	1,083,200	1,077,041
ADVANTAGE SALES + MARKET SR SECURED 144A 11/28 6.5%	865,000	848,050	821,096
ADVANTAGE SALES+ MARKETING INC 2024 TERM LOAN due 10/28/27	488,913	488,913	486,850
ADVENTIST HEALTH SYS/W SR UNSECURED 12/34 5.757	725,000	725,000	729,980
ADVISOR GROUP INC 2024 TERM LOAN B due 08/17/28	24,938	24,938	25,008
AECOM COMPANY GUAR 03/27 5.125%	470,000	492,165	465,474
AEP TEXAS INC SR UNSECURED 01/50 3.45%	1,623,000	1,620,442	1,092,618
AEP TEXAS INC SR UNSECURED 05/51 3.45%	278,000	238,821	184,651
AEP TEXAS INC SR UNSECURED 06/33 5.4%	255,000	255,542	252,829
AEP TRANSMISSION CO LLC SR UNSECURED 04/34 5.15	1,700,000	1,698,995	1,672,734
AEP TRANSMISSION CO LLC SR UNSECURED 06/49 3.8	197,000	157,944	146,296
AEP TRANSMISSION CO LLC SR UNSECURED 06/52 4.5	260,000	222,907	215,602
AEP TRANSMISSION CO LLC SR UNSECURED 09/49 3.15%	498,000	436,787	328,646
AERCAP GLOBAL AVIATION T COMPANY GUAR 144A 06/45 VAR	1,544,000	1,531,970	1,540,624
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 01/25 3.5%	200,000	199,962	199,888
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 01/27 6.1%	755,000	752,830	772,210
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 01/32 3.3%	2,870,000	2,803,278	2,501,245
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 04/26 4.45%	700,000	707,443	696,325
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 06/28 5.75%	548,000	544,194	558,490
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 07/25 6.5%	615,000	614,199	618,976
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 09/29 4.625%	1,300,000	1,292,809	1,271,615
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 10/25 4.45%	150,000	150,408	149,650
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 10/26 2.45%	2,975,000	2,939,350	2,847,852
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 10/28 3%	1,665,000	1,606,734	1,541,349
AERCAP IRELAND CAP/GLOBA COMPANY GUAR 10/33 3.4%	150,000	153,384	127,787
AEROPUERTO INTL TOCUMEN SR SECURED 144A 08/61 5.125%	564,000	576,361	406,080
AES ANDES SA JR SUBORDINA 144A 06/55 VAR	215,000	215,000	217,462
AES PANAMA GENERATION HL SR SECURED REGS 05/30 4.375%	189,633	167,878	165,819
AETHON UN/AETHIN UN FIN SR UNSECURED 144A 10/29 7.5%	1,680,000	1,681,551	1,718,083
AFFIRM INC AFFRM 2023 B 1A 144A	4,000,000	4,013,792	4,045,334
AFFIRM INC AFFRM 2024 A A 144A	4,400,000	4,399,539	4,406,888
AFFLELOU SAS SR SECURED REGS 07/29 6%	100,000	110,230	107,945
AFRICAN DEVELOPMENT BANK SR UNSECURED 09/29 3.5%	3,175,000	3,164,903	3,046,631
AG ISSUER LLC SR SECURED 144A 03/28 6.25%	290,000	273,841	287,497
AG TTMT ESCROW ISSUER SR SECURED 144A 09/27 8.625%	595,000	599,217	616,994
AGCO CORP COMPANY GUAR 03/34 5.8	580,000	578,527	583,102
AGILENT TECHNOLOGIES INC SR UNSECURED 03/31 2.3%	69,000	58,118	58,482
AGILITI HEALTH, INC. 2023 TERM LOAN due 05/01/30	82,915	82,358	81,256
AGL CLO 3 LTD. AGL 2020 3A D 144A	500,000	500,275	502,739
AGL CLO 7 LTD AGL 2020 7A BR 144A	1,050,000	1,050,000	1,051,580
AGL CLO LTD. AGL 2021 12A A1 144A	440,000	440,633	440,962
AGL CLO LTD. AGL 2024 31A B 144A	785,000	785,000	790,574
AGREE LP COMPANY GUAR 10/30 2.9%	350,000	349,850	310,109
AHEAD DB HOLDINGS LLC 2024 TERM LOAN B3 due 02/01/31	527,350	527,350	530,108
AHLSTROM HLDG 3 OY SR SECURED 144A 02/28 4.875%	170,000	162,365	161,500
AHLSTROM HLDG 3 OY SR SECURED REGS 02/28 3.625%	100,000	99,244	102,003
AHLSTROM HLDG 3 OY SR SECURED REGS 02/28 4.875	200,000	186,769	190,076
AHP HEALTH PARTN SR UNSECURED 144A 07/29 5.75%	846,000	744,517	817,047
AI AQUA MERGER SUB INC 2021 1ST LIEN TERM LOAN B due 07/31/28	1,591,878	1,586,905	1,591,878

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
AIB GROUP PLC JR SUBORDINA REGS 12/99 VAR	221,000	228,308	231,065
AIMCO AIMCO 2017 AA DR 144A	250,000	250,000	251,442
AIMCO AIMCO 2019 10A BRR 144A	1,500,000	1,500,000	1,513,302
AIMCO AIMCO 2021 16A AR 144A	250,000	250,000	250,811
AIR CANADA 2017 1B PTT PASS THRU CE 144A 07/27 3.7%	2,063	2,030	2,013
AIR CANADA 2020 2A PTT PASS THRU CE 144A 10/30 5.25%	365,623	374,155	364,367
AIR CANADA 2024 TERM LOAN B due 03/21/31	820,875	819,049	823,444
AIR CANADA SR SECURED 144A 08/26 3.875%	2,653,000	2,578,766	2,577,681
AIR COMM CORPORATION LLC 2024 DELAYED DRAW TERM LOAN due 12/11/31	46,511	46,620	46,424
AIR COMM CORPORATION LLC 2024 TERM LOAN due 11/21/31	558,132	559,438	557,088
AIR LEASE CORP JR SUBORDINA 12/99 VAR	2,687,000	2,687,000	2,563,556
AIR LEASE CORP SR UNSECURED 01/26 2.875%	725,000	727,062	709,565
AIR LEASE CORP SR UNSECURED 02/28 5.3%	50,000	50,822	50,420
AIR LEASE CORP SR UNSECURED 07/25 3.375%	5,760,000	5,745,787	5,715,273
AIRCASTLE / IRELAND DAC SR UNSECURED 144A 10/31 5.75%	477,000	475,401	480,364
AIRCASTLE LTD JR SUBORDINA 144A 12/99 VAR	450,000	365,162	441,345
AIRCASTLE LTD SR UNSECURED 144A 01/28 2.85%	250,000	234,878	232,589
AJAX MORTGAGE LOAN TRUST AJAXM 2019 D A1 144A	1,170,766	1,103,495	1,106,545
AJAX MORTGAGE LOAN TRUST AJAXM 2019 D A3 144A	1,600,000	1,607,835	1,433,676
AJAX MORTGAGE LOAN TRUST AJAXM 2019 F A1 144A	365,371	353,759	350,063
AJAX MORTGAGE LOAN TRUST AJAXM 2019 F A3 144A	1,550,000	1,353,442	1,474,319
AJAX MORTGAGE LOAN TRUST AJAXM 2021 A A2 144A	1,644,000	1,361,991	1,372,999
AJAX MORTGAGE LOAN TRUST AJAXM 2021 E A1 144A%	1,623,209	1,463,760	1,393,303
AKER BP ASA COMPANY GUAR 144A 07/31 3.1%	600,000	599,225	518,462
AKER BP ASA SR UNSECURED 144A 01/30 3.75%	200,000	200,028	185,857
ALABAMA POWER CO SR UNSECURED 03/52 3	179,000	118,602	115,103
ALABAMA POWER CO SR UNSECURED 07/51 3.125	109,000	74,914	71,744
ALABAMA POWER CO SR UNSECURED 10/49 3.45%	578,000	526,068	408,683
ALASKA AIRLINES 2020 TR PASS THRU CE 144A 02/29 4.8%	480,513	480,513	476,563
ALBERTSONS COS/SAFEWAY COMPANY GUAR 144A 02/28 5.875%	54,000	52,840	53,777
ALBERTSONS COS/SAFEWAY COMPANY GUAR 144A 02/28 6.5%	6,000	6,055	6,075
ALBERTSONS COS/SAFEWAY COMPANY GUAR 144A 02/30 4.875%	345,000	348,659	330,300
ALBERTSONS COS/SAFEWAY COMPANY GUAR 144A 03/26 3.25	7,000	6,801	6,829
ALBERTSONS COS/SAFEWAY COMPANY GUAR 144A 03/29 3.5%	1,464,000	1,363,728	1,332,475
ALBION FINANCING 1SARL / SR SECURED 144A 10/26 6.125%	425,000	423,111	425,087
ALBION FINANCING 3 SARL 2024 USD TERM LOAN B due 08/16/29	461,459	462,687	465,303
ALBION FINANCING 3 SARL USD TERM LOAN due 08/17/26	487,500	484,969	491,561
ALCOA NEDERLAND HOLDING COMPANY GUAR 144A 03/31 7.125	1,031,000	1,032,512	1,065,418
ALCON FINANCE CORP COMPANY GUAR 144A 09/29 3%	3,011,000	2,766,365	2,760,510
ALFA DESARROLLO SPA SR SECURED 144A 09/51 4.55%	1,441,962	1,105,636	1,062,789
ALLEGION US HOLDING CO COMPANY GUAR 05/34 5.6	780,000	777,519	784,576
ALLEN MEDIA, LLC 2021 TERM LOAN B due 02/10/27	193,169	192,984	125,318
ALLIANCE LAUNDRY SYSTEMS LLC 2024 TERM LOAN B due 08/19/31	1,150,000	1,144,547	1,156,268
ALLIANT ENERGY FINANCE COMPANY GUAR 144A 06/28 4.25%	300,000	299,771	290,840
ALLIANT HOLD / CO ISSUER SR SECURED 144A 01/31 7%	3,079,000	3,093,287	3,091,026
ALLIANT HOLD / CO ISSUER SR SECURED 144A 04/28 6.75%	508,000	507,937	509,139
ALLIANT HOLD / CO ISSUER SR SECURED 144A 10/27 4.25%	1,140,000	1,129,418	1,088,179
ALLIANT HOLD / CO ISSUER SR SECURED 144A 10/31 6.5%	2,452,000	2,448,840	2,428,041
ALLIANT HOLD / CO ISSUER SR UNSECURED 144A 10/27 6.75%	1,000,000	996,202	991,730
ALLIANT HOLD / CO ISSUER SR UNSECURED 144A 10/32 7.375%	1,746,000	1,746,000	1,762,067
ALLIANT HOLD / CO ISSUER SR UNSECURED 144A 11/29 5.875%	265,000	265,348	254,593
ALLIANT HOLDINGS INTER LLC 2024 TERM LOAN B6 due 09/19/31	835,406	838,276	836,709
ALLIED UNIVERSAL HOLDCO LLC 2021 USD TERM LOAN due 05/12/28	497,429	498,547	498,628
ALLIED UNIVERSAL HOLDCO SR SECURED 144A 02/31 7.875	2,957,000	2,973,974	3,022,306
ALLIED UNIVERSAL SR UNSECURED 144A 06/29 6%	1,937,000	1,818,217	1,764,911
ALLIED UNIVERSAL SR UNSECURED 144A 07/27 9.75%	1,273,000	1,277,175	1,281,688
ALLISON TRANSMISSION INC COMPANY GUAR 144A 01/31 3.75%	402,000	401,618	355,668
ALLISON TRANSMISSION INC SR UNSECURED 144A 10/27 4.75%	1,360,000	1,317,809	1,317,567
ALLSPRING BUYER LLC 2024 TERM LOAN B due 11/01/30	22,500	22,444	22,506
ALLWYN ENTERTAINMENT FIN SR SECURED 144A 04/29 7.875%	135,000	140,724	138,721
ALLWYN ENTERTAINMENT FIN SR SECURED REGS 04/30 7.25%	150,000	162,348	166,167

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ALLY AUTO RECEIVABLES TRUST ALLYA 2024 1 A2	3,738,668	3,737,763	3,743,999
ALLY AUTO RECEIVABLES TRUST ALLYA 2024 2 A2	4,936,000	4,935,670	4,934,970
ALLY FINANCIAL INC COMPANY GUAR 11/31 8%	3,000,000	3,827,313	3,317,528
ALLY FINANCIAL INC JR SUBORDINA 12/99 VAR	1,120,000	925,384	1,015,833
ALLY FINANCIAL INC SR UNSECURED 01/31 VAR	1,339,000	1,339,095	1,322,817
ALLY FINANCIAL INC SR UNSECURED 07/35 VAR	4,425,000	4,488,310	4,373,780
ALLY FINANCIAL INC SUBORDINATED 01/40 VAR	94,000	94,000	91,094
ALLY FINANCIAL INC SUBORDINATED 02/33 6.7	100,000	100,940	100,829
ALPHA GENERATION LLC SR UNSECURED 144A 10/32 6.75%	1,682,000	1,687,731	1,664,128
ALPHA GENERATION LLC TERM LOAN B due 09/30/31	550,793	553,218	553,961
ALTA EQUIPMENT GROUP SECURED 144A 06/29 9	475,000	450,745	453,077
ALTAGAS LTD JR SUBORDINA 144A 10/54 VAR	150,000	149,993	150,820
ALTERRA MOUNTAIN COMPANY 2024 1ST LIEN TERM LOAN B due 05/31/30	569,261	569,261	573,177
ALTERRA MOUNTAIN COMPANY 2024 TERM LOAN B due 08/17/28	248,737	248,737	250,138
ALTICE FINANCING SA 2022 USD TERM LOAN due 10/31/27	491,250	490,112	408,558
ALTICE FRANCE HOLDING SA COMPANY GUAR 144A 02/28 6%	500,000	500,102	131,965
ALTICE FRANCE SA 2023 USD TERM LOAN B14 due 08/15/28	460,637	460,637	368,394
ALTICE FRANCE SA SR SECURED 144A 01/28 5.5%	200,000	184,521	147,469
ALTICE FRANCE SA SR SECURED 144A 01/29 5.125%	2,865,000	2,898,015	2,157,229
ALTICE FRANCE SA SR SECURED 144A 02/27 8.125%	763,000	739,402	618,603
ALTICE FRANCE SA SR SECURED 144A 10/29 5.5%	1,480,000	1,176,113	1,108,636
ALTICE FRANCE SA SR SECURED REGS 10/29 4.25%	159,000	128,642	124,307
ALTRIA GROUP INC COMPANY GUAR 02/29 4.8%	520,000	511,088	513,953
ALTRIA GROUP INC COMPANY GUAR 02/32 2.45%	820,000	690,279	674,971
ALTRIA GROUP INC COMPANY GUAR 02/41 3.4%	490,000	371,275	354,077
ALTRIA GROUP INC COMPANY GUAR 02/49 5.95%	650,000	665,343	635,320
ALTRIA GROUP INC COMPANY GUAR 02/51 3.7	1,691,000	1,169,739	1,150,519
ALTRIA GROUP INC COMPANY GUAR 02/59 6.2	35,000	35,658	34,256
ALTRIA GROUP INC COMPANY GUAR 08/42 4.25%	72,000	56,725	57,472
ALTRIA GROUP INC COMPANY GUAR 09/46 3.875%	273,000	204,038	198,078
ALTRIA GROUP INC COMPANY GUAR 11/33 6.875%	460,000	510,763	499,347
AMAZON.COM INC SR UNSECURED 04/27 3.3%	140,000	137,105	136,655
AMAZON.COM INC SR UNSECURED 04/29 3.45%	300,000	290,809	287,698
AMAZON.COM INC SR UNSECURED 04/32 3.6%	980,000	923,449	907,499
AMAZON.COM INC SR UNSECURED 04/62 4.1%	1,054,000	910,740	826,493
AMAZON.COM INC SR UNSECURED 06/27 1.2%	490,000	455,713	454,178
AMAZON.COM INC SR UNSECURED 06/30 1.5%	540,000	463,955	458,124
AMAZON.COM INC SR UNSECURED 06/50 2.5%	924,000	576,871	552,207
AMAZON.COM INC SR UNSECURED 08/37 3.875%	410,000	373,504	362,227
AMAZON.COM INC SR UNSECURED 08/57 4.25%	110,000	95,348	90,253
AMAZON.COM INC SR UNSECURED 12/44 4.95%	510,000	509,950	486,534
AMBER FINCO PLC SR SECURED REGS 07/29 6.625%	100,000	111,748	109,401
AMC NETWORKS INC COMPANY GUAR 02/29 4.25%	3,222,000	2,945,266	2,529,274
AMC NETWORKS INC SR SECURED 144A 01/29 10.25	790,000	815,465	839,099
AMENTUM GOVT SERVCS HOLDNG LLC 2024 TERM LOAN B due 09/29/31	3,986,400	3,979,223	3,969,777
AMENTUM HOLDINGS INC COMPANY GUAR 144A 08/32 7.25%	2,123,000	2,130,793	2,139,066
AMER AIRLINE 16 3 B PTT PASS THRU CE 04/27 3.75%	123,928	122,118	122,096
AMER AIRLINE 17 2 AA PTT PASS THRU CE 04/31 3.35%	97,231	97,286	91,069
AMER AIRLINE 21 1A EETC PASS THRU CE 01/36 2.875%	982,029	944,614	857,289
AMER AIRLN 14 1 A PTT PASS THRU CE 04/28 3.7%	193,046	193,171	187,670
AMER AIRLN 15 1 A PTT PASS THRU CE 11/28 3.375%	26,234	25,760	25,050
AMER AIRLN 15 2 AA PTT PASS THRU CE 03/29 3.6%	878,050	857,378	848,006
AMER SPORTS COMPANY SR SECURED 144A 02/31 6.75	1,355,000	1,354,990	1,372,788
AMEREN CORP SR UNSECURED 01/31 3.5%	250,000	249,647	228,192
AMERICAN AIRLINES INC SR SECURED 144A 02/28 7.25%	1,802,000	1,824,735	1,847,101
AMERICAN AIRLINES INC SR SECURED 144A 05/29 8.5%	1,499,000	1,557,731	1,573,850
AMERICAN AIRLINES, INC. 2021 TERM LOAN due 04/20/28	857,500	870,004	879,229
AMERICAN AIRLINES, INC. 2023 1ST LIEN TERM LOAN due 06/04/29	198,000	198,626	198,164
AMERICAN AIRLINES, INC. 2023 TERM LOAN B due 02/15/28	490,000	483,841	491,838
AMERICAN AIRLINES/AADVAN SR SECURED 144A 04/26 5.5%	2,524,410	2,529,576	2,518,880
AMERICAN AIRLINES/AADVAN SR SECURED 144A 04/29 5.75%	2,091,000	2,072,340	2,073,618

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
AMERICAN ASSETS TRUST LP COMPANY GUAR 02/31 3.375%	200,000	198,620	174,009
AMERICAN AXLE + MANUFACTUR INC 2024 TERM LOAN B due 12/12/29	480,000	480,000	483,998
AMERICAN AXLE + MFG INC COMPANY GUAR 04/27 6.5%	800,000	802,155	791,153
AMERICAN AXLE + MFG INC COMPANY GUAR 07/28 6.875%	336,000	337,551	333,385
AMERICAN AXLE + MFG INC COMPANY GUAR 10/29 5%	1,195,000	1,125,856	1,091,241
AMERICAN CREDIT ACCEPTANCE REC ACAR 2024 4 A 144A	443,978	443,950	444,294
AMERICAN ELECTRIC POWER JR SUBORDINA 08/25 5.699%	3,325,000	3,335,103	3,339,408
AMERICAN ELECTRIC POWER SR UNSECURED 11/32 5.95%	557,000	553,841	574,194
AMERICAN EXPRESS CO SR UNSECURED 02/28 VAR	292,000	294,447	293,701
AMERICAN EXPRESS CO SR UNSECURED 03/25 2.25	15,500,000	15,419,442	15,452,486
AMERICAN EXPRESS CO SR UNSECURED 05/27 3.3%	300,000	291,977	291,107
AMERICAN EXPRESS CO SR UNSECURED 07/28 VAR	360,000	360,000	361,847
AMERICAN EXPRESS CO SR UNSECURED 08/25 3.95	11,000,000	10,925,246	10,955,881
AMERICAN EXPRESS CO SR UNSECURED 10/26 VAR	535,000	535,000	541,622
AMERICAN EXPRESS CO SR UNSECURED 11/25 4.2%	15,200,000	15,164,516	15,164,648
AMERICAN HOME MORTGAGE ASSETS AHMA 2006 4 1A11	1,015,291	659,866	538,441
AMERICAN HOME MORTGAGE ASSETS AHMA 2006 5 A1	353,611	257,039	90,937
AMERICAN HOME MORTGAGE ASSETS AHMA 2007 2 A1	589,575	355,192	513,471
AMERICAN HOME MORTGAGE INVESTM AHM 2004 1 1A	2,836	2,828	2,823
AMERICAN HOME MORTGAGE INVESTM AHM 2006 1 1A2	81,788	29,863	67,251
AMERICAN HOME MORTGAGE INVESTM AHM 2007 1 GA1C	1,125,527	677,935	632,147
AMERICAN HOMES 4 RENT SR UNSECURED 04/32 3.625%	1,400,000	1,373,439	1,252,455
AMERICAN HOMES 4 RENT SR UNSECURED 07/34 5.5	2,495,000	2,482,011	2,473,072
AMERICAN HONDA FINANCE SR UNSECURED 04/25 4.6	5,045,000	5,032,134	5,043,993
AMERICAN HONDA FINANCE SR UNSECURED 05/25 5	11,502,000	11,487,628	11,508,768
AMERICAN HONDA FINANCE SR UNSECURED 07/25 1.2%	4,905,000	4,800,401	4,820,881
AMERICAN HONDA FINANCE SR UNSECURED 10/25 VAR	3,469,000	3,479,781	3,478,513
AMERICAN INTL GROUP SR UNSECURED 06/30 3.4%	525,000	524,969	484,225
AMERICAN INTL GROUP SR UNSECURED 06/50 4.375	150,000	127,715	124,134
AMERICAN MONEY MANAGEMENT CORP AMMC 2014 15A AR3 144A	856,598	856,598	857,098
AMERICAN MONEY MANAGEMENT CORP AMMC 2024 30A D 144A	1,850,000	1,850,000	1,868,566
AMERICAN MUNI PWR OHIO INC OH AMEPWR 02/28 FIXED 7.334%	1,165,000	1,267,099	1,204,595
AMERICAN MUNI PWR OHIO INC OH AMEPWR 02/41 FIXED 7.834%	5,630,000	7,614,522	6,639,363
AMERICAN TE DSTRBTRS HLDGS INC 2024 RSA TERM LOAN due 10/23/31	80,434	80,434	36,195
AMERICAN TIRE DIST HOLDING INC 2021 TERM LOAN B due 10/20/28	110,300	109,545	44,120
AMERICAN TIRE DSTRBTRS HLD INC 2024 DIP PIK TERM LOAN due 02/24/25	49,590	47,317	50,086
AMERICAN TIRE DSTRBTRS HLD INC 2024 PIK NEW MONEY DDTL due 02/21/25	42,146	40,261	38,745
AMERICAN TOWER CORP SR UNSECURED 01/27 3.125%	508,000	497,436	491,466
AMERICAN TOWER CORP SR UNSECURED 01/30 2.9	742,000	672,158	668,404
AMERICAN TOWER CORP SR UNSECURED 02/27 0.4%	470,000	506,780	462,638
AMERICAN TOWER CORP SR UNSECURED 02/29 5.2	1,055,000	1,054,847	1,061,130
AMERICAN TOWER CORP SR UNSECURED 03/27 3.65%	175,000	174,606	170,837
AMERICAN TOWER CORP SR UNSECURED 03/28 5.5%	1,413,000	1,425,800	1,433,846
AMERICAN TOWER CORP SR UNSECURED 04/31 2.7%	69,000	60,914	59,617
AMERICAN TOWER CORP SR UNSECURED 05/29 0.875%	1,905,000	1,825,032	1,796,906
AMERICAN TOWER CORP SR UNSECURED 06/30 2.1%	1,218,000	1,210,415	1,043,658
AMERICAN TOWER CORP SR UNSECURED 07/33 5.55%	1,000,000	1,014,189	1,008,233
AMERICAN TOWER CORP SR UNSECURED 08/29 3.8%	2,750,000	2,905,243	2,605,304
AMERICAN TOWER CORP SR UNSECURED 09/31 2.3%	71,000	60,534	59,045
AMERICAN TOWER CORP SR UNSECURED 10/30 1.875%	887,000	751,289	743,174
AMERICAN TRANSMISSION SY SR UNSECURED 144A 01/32 2.65%	28,000	26,364	23,742
AMERICAN WATER CAPITAL C SR UNSECURED 09/28 3.75%	535,000	533,226	514,400
AMERIGAS PART/FIN CORP SR UNSECURED 05/27 5.75%	190,000	200,849	176,395
AMERIGAS PART/FIN CORP SR UNSECURED 08/26 5.875%	870,000	905,721	838,377
AMERIGAS PART/FIN CORP SR UNSECURED 144A 06/28 9.375	1,720,000	1,774,478	1,654,319
AMERIPRISE FINANCIAL INC SR UNSECURED 04/25 3	5,756,000	5,719,831	5,731,571
AMGEN INC SR UNSECURED 01/52 3	910,000	580,063	574,244
AMGEN INC SR UNSECURED 02/30 2.45%	470,000	417,731	415,482
AMGEN INC SR UNSECURED 02/62 4.4%	569,000	478,017	442,191
AMGEN INC SR UNSECURED 03/30 5.25%	2,327,000	2,326,489	2,349,150
AMGEN INC SR UNSECURED 03/33 4.2%	2,375,000	2,193,320	2,203,267

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value
AMGEN INC SR UNSECURED 03/33 5.25%	5,882,000	5,879,594	5,841,206
AMGEN INC SR UNSECURED 03/53 5.65%	2,789,000	2,765,962	2,690,349
AMGEN INC SR UNSECURED 03/63 5.75%	4,646,000	4,607,826	4,470,727
AMGEN INC SR UNSECURED 06/51 4.663%	102,000	90,367	85,607
AMGEN INC SR UNSECURED 08/28 1.65%	1,835,000	1,769,376	1,640,311
AMGEN INC SR UNSECURED 08/29 4.05%	1,000,000	999,079	962,716
AMGEN INC SR UNSECURED 09/53 2.77	245,000	148,819	142,911
AMGEN INC SR UNSECURED REGS 09/29 4%	218,000	260,224	263,596
AMN HEALTHCARE INC COMPANY GUAR 144A 10/27 4.625%	625,000	620,553	593,765
AMNEAL PHARMACEUTICALS LLC 2023 TERM LOAN B due 05/04/28	501,032	501,032	514,395
AMRCN TIRE DSTRBUTRS HLDGS INC 2024 DELAYED DRAW FUNDED due 10/22/26	21,583	19,954	21,583
AMRCN TIRE DSTRBUTRS HLDGS INC 2024 DELAYED DRAW UNFUNDED due 10/22/26	10,791	10,791	9,847
AMS OSRAM AG SR UNSECURED 144A 03/29 12.25	315,000	322,358	306,281
AMSPEC PARENT LLC 2024 DELAYED DRAW TERM LOAN due 12/12/31	20,000	50	20,100
AMSPEC PARENT LLC 2024 TERM LOAN due 12/12/31	130,000	129,350	130,650
AMSR TRUST AMSR 2020 SFR2 E2 144A	1,800,000	1,713,742	1,777,415
AMSR TRUST AMSR 2020 SFR3 E2 144A	918,000	853,784	898,607
AMSR TRUST AMSR 2021 SFR2 E1 144A	1,283,000	1,118,884	1,212,092
AMSTED INDUSTRIES COMPANY GUAR 144A 07/27 5.625%	1,550,000	1,525,254	1,535,105
AMWINS GROUP INC AMWINS GROUP INC TERM LOAN B due 02/19/28	922,902	922,476	925,246
AMWINS GROUP INC SR SECURED 144A 02/29 6.375	1,031,000	1,030,865	1,037,322
AMWINS GROUP INC SR UNSECURED 144A 06/29 4.875%	1,643,000	1,595,860	1,542,924
AMYNTA AGENCY BORROWER INC 2024 TERM LOAN B due 02/28/28	1,359,942	1,359,942	1,358,242
ANCHOR PACKAGING INC 2024 1ST LIEN TERM LOAN due 07/18/29	165,036	165,036	165,724
ANCHORAGE CAPITAL CLO LTD ANCHC 2015 7A BR3 144A	250,000	250,000	252,027
ANGEL OAK MORTGAGE TRUST AOMT 2018 3 M1 144A	597,369	597,279	594,491
ANGEL OAK MORTGAGE TRUST AOMT 2021 3 A1 144A	1,279,188	1,279,100	1,083,684
ANGEL OAK MORTGAGE TRUST AOMT 2022 2 A1 144A	883,849	880,791	812,234
ANGEL OAK MORTGAGE TRUST AOMT 2022 5 A1 144A	179,030	175,339	173,913
ANGEL OAK MORTGAGE TRUST AOMT 2023 6 A1 144A	356,883	355,589	359,839
ANGEL OAK MORTGAGE TRUST AOMT 2023 7 A1 144A	910,272	873,170	890,761
ANGEL OAK MORTGAGE TRUST AOMT 2024 1 A1 144A	907,102	886,643	896,637
ANGLO AMERICAN CAPITAL COMPANY GUAR 144A 04/27 4.75%	590,000	587,504	585,079
ANGLO AMERICAN CAPITAL COMPANY GUAR 144A 04/54 6	200,000	197,259	197,651
ANGLO AMERICAN CAPITAL COMPANY GUAR REGS 03/32 4.125	239,000	263,532	255,721
ANGLOGOLD HOLDINGS PLC COMPANY GUAR 10/30 3.75%	200,000	170,766	180,788
ANGLOGOLD HOLDINGS PLC COMPANY GUAR 11/28 3.375%	230,000	229,721	212,456
ANHEUSER BUSCH CO/INBEV COMPANY GUAR 02/36 4.7%	2,218,000	2,178,150	2,102,596
ANHEUSER BUSCH CO/INBEV COMPANY GUAR 02/46 4.9%	982,000	940,034	893,756
ANHEUSER BUSCH INBEV SA/ COMPANY GUAR REGS 03/44 3.95	170,000	183,746	178,937
ANHEUSER BUSCH INBEV SA/ COMPANY GUAR REGS 03/44 3.95%	256,000	279,154	269,457
ANHEUSER BUSCH INBEV WOR COMPANY GUAR 01/29 4.75%	200,000	201,847	199,867
ANHEUSER BUSCH INBEV WOR COMPANY GUAR 01/39 5.45%	255,000	264,149	255,674
ANHEUSER BUSCH INBEV WOR COMPANY GUAR 01/39 8.2%	75,000	96,475	94,115
ANHEUSER BUSCH INBEV WOR COMPANY GUAR 06/30 3.5%	1,600,000	1,513,016	1,500,396
ANTERO MIDSTREAM PART/FI COMPANY GUAR 144A 01/28 5.75%	550,000	554,917	545,669
ANTERO MIDSTREAM PART/FI COMPANY GUAR 144A 02/32 6.625	1,942,000	1,942,599	1,956,198
ANTERO MIDSTREAM PART/FI COMPANY GUAR 144A 03/27 5.75	3,000	2,998	2,986
ANTERO MIDSTREAM PART/FI COMPANY GUAR 144A 06/29 5.375	276,000	266,145	268,775
ANTERO RESOURCES CORP COMPANY GUAR 144A 02/29 7.625%	2,093,000	2,144,737	2,142,522
ANTERO RESOURCES CORP COMPANY GUAR 144A 03/30 5.375%	420,000	392,407	405,819
ANYWHERE REAL EST/CO ISS SECURED 144A 04/30 7%	1,530,000	1,415,666	1,357,333
AON NORTH AMERICA INC COMPANY GUAR 03/29 5.15	4,165,000	4,158,691	4,178,362
AON NORTH AMERICA INC COMPANY GUAR 03/31 5.3	1,865,000	1,859,042	1,872,844
AON NORTH AMERICA INC COMPANY GUAR 03/34 5.45	6,165,000	6,188,820	6,157,536
AON NORTH AMERICA INC COMPANY GUAR 03/54 5.75	610,000	607,195	596,825
AP MOLLER MAERSK A/S SR UNSECURED REGS 03/26 1.75%	783,000	829,348	801,924
APACHE CORP SR UNSECURED 01/30 4.25%	276,000	258,399	259,603
APACHE CORP SR UNSECURED 01/44 4.25%	140,000	104,989	101,283
APACHE CORP SR UNSECURED 04/43 4.75%	90,000	74,939	71,867
APACHE CORP SR UNSECURED 09/40 5.1%	970,000	873,137	845,174

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
APACHE CORP SR UNSECURED 12/29 7.75%	130,000	141,276	139,619
API GROUP DE INC COMPANY GUAR 144A 07/29 4.125%	275,000	275,000	251,340
API GROUP DE INC COMPANY GUAR 144A 10/29 4.75%	1,200,000	1,120,740	1,128,635
APIDOS CLO LTD APID 2013 15A A1RR 144A	125,509	125,575	125,653
APIDOS CLO LTD APID 2015 20A A2RR 144A	250,000	249,685	250,608
APIDOS CLO LTD APID 2015 22A A2R 144A	250,000	250,078	250,636
APIDOS CLO LTD APID 2015 22A BR 144A	250,000	250,000	250,549
APIDOS CLO LTD APID 2015 22A CR 144A	250,000	250,079	251,435
APIDOS CLO LTD APID 2015 23A B1R 144A	250,000	249,778	250,716
APIDOS CLO LTD APID 2019 31A A1R 144A	209,380	204,987	209,752
APIDOS CLO LTD APID 2021 37A A 144A	300,000	300,356	300,450
APIDOS CLO LTD APID 2024 48A A1 144A	2,000,000	2,000,000	2,006,309
APOLLO DEBT SOLUTIONS BD SR UNSECURED 144A 07/31 6.7%	593,000	605,011	608,947
APPLIED MATERIALS INC SR UNSECURED 06/30 1.75%	850,000	794,786	726,692
APPLOVIN CORP SR UNSECURED 12/29 5.125%	3,505,000	3,506,233	3,493,138
APPLOVIN CORP SR UNSECURED 12/31 5.375%	5,625,000	5,654,062	5,631,405
APPLOVIN CORP SR UNSECURED 12/34 5.5%	14,639,000	14,683,229	14,540,217
APPLOVIN CORP SR UNSECURED 12/54 5.95%	519,000	529,273	513,415
AQUA FINANCE TRUST AQFIT 2021 A A 144A	647,429	647,355	590,042
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 01/27 7.5%	320,000	325,938	315,200
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 01/32 7.0529%	430,000	352,165	368,317
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 01/47 8.5%	2,008,000	1,839,084	1,557,808
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 02/28 6.588%	270,000	265,403	255,866
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 02/61 7.5%	1,400,000	1,400,000	958,395
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 03/29 7.6003%	700,000	667,265	677,250
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 04/31 6.375	450,000	403,144	410,002
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 05/32 7.625%	1,655,000	1,459,322	1,453,550
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 05/50 8.875%	200,000	192,145	159,656
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 09/27 5.8%	820,000	720,213	767,315
ARAB REPUBLIC OF EGYPT SR UNSECURED 144A 09/51 8.75	635,000	509,318	500,964
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 01/47 8.5%	1,084,000	1,004,910	840,968
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 02/28 6.588%	220,000	226,043	208,483
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 02/31 5.875%	1,302,000	1,111,087	1,084,566
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 02/48 7.903%	1,390,000	1,042,013	1,018,350
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 03/29 7.6003%	475,000	449,385	459,434
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 03/49 8.7002%	797,000	797,364	626,593
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 04/25 4.75%	300,000	356,649	309,617
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 04/30 5.625	161,000	140,524	145,260
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 04/31 6.375%	1,906,000	2,299,744	1,736,587
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 05/32 7.625%	930,000	774,788	816,799
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 05/50 8.875%	675,000	621,675	538,839
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 09/51 8.75%	200,000	121,236	157,784
ARAB REPUBLIC OF EGYPT SR UNSECURED REGS 11/59 8.15	220,000	165,380	161,755
ARAMARK SERVICES INC 2024 TERM LOAN B7 due 04/06/28	200,000	200,810	200,650
ARAMARK SERVICES INC COMPANY GUAR 144A 02/28 5%	240,000	242,021	233,219
ARBOR MULTIFAMILY MORTGAGE SEC AMMST 2020 MF1 A5 144A	790,000	845,457	707,069
ARBOR MULTIFAMILY MORTGAGE SEC AMMST 2020 MF1 D 144A	570,000	503,896	438,621
ARBOR MULTIFAMILY MORTGAGE SEC AMMST 2020 MF1 XA 144A	6,814,069	474,592	265,192
ARBOR MULTIFAMILY MORTGAGE SEC AMMST 2021 MF3 A2 144A	740,000	691,482	697,567
ARBOR MULTIFAMILY MORTGAGE SEC AMMST 2021 MF3 A5 144A	900,000	924,629	768,269
ARBOR MULTIFAMILY MORTGAGE SEC AMMST 2021 MF3 XA 144A	9,644,516	521,471	314,225
ARBOUR CLO ARBR 11A B1R 144A	250,000	271,750	258,875
ARCH CAPITAL GROUP LTD SR UNSECURED 06/50 3.635%	875,000	952,969	624,473
ARCHER DANIELS MIDLAND C SR UNSECURED 03/30 3.25%	375,000	373,355	346,311
ARCHES BUYER INC 2021 TERM LOAN B due 12/06/27	197,938	194,538	193,045
ARCHES BUYER INC SR SECURED 144A 06/28 4.25%	3,213,000	2,953,076	2,950,695
ARCHKEY SOLUTIONS LLC 2024 DELAYED DRAW TERM LOAN B due 10/10/31	82,759	82,348	83,198
ARCHKEY SOLUTIONS LLC 2024 TERM LOAN B due 10/10/31	717,241	710,132	721,050
ARCHROCK PARTNERS LP/FIN COMPANY GUAR 144A 04/28 6.25	6,000	5,983	5,968
ARCHROCK PARTNERS LP/FIN COMPANY GUAR 144A 09/32 6.625%	1,590,000	1,590,054	1,587,914
ARCOSA INC COMPANY GUAR 144A 08/32 6.875%	1,172,000	1,172,000	1,190,863

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ARD FINANCE SA SR SECURED 144A 06/27 6.5%	310,875	315,007	43,523
ARDAGH METAL PACKAGING SR SECURED 144A 06/27 6%	40,000	39,434	39,687
ARDAGH METAL PACKAGING SR SECURED REGS 09/28 2%	200,000	191,867	187,954
ARDAGH METAL PACKAGING SR UNSECURED 144A 09/29 4%	826,000	805,838	709,528
ARDAGH PKG FIN/HLDGS USA COMPANY GUAR 144A 08/27 5.25%	1,405,000	1,277,488	797,605
ARDAGH PKG FIN/HLDGS USA SR SECURED 144A 08/26 4.125%	950,000	922,228	855,000
ARDAGH PKG FIN/HLDGS USA SR SECURED REGS 08/26 2.125%	100,000	100,569	92,729
ARDONAGH FINCO LTD SR SECURED 144A 02/31 7.75%	575,000	593,678	592,120
ARDONAGH FINCO LTD SR SECURED REGS 02/31 6.875	243,000	266,252	259,497
ARES CAPITAL CORP SR UNSECURED 01/26 3.875	52,000	50,843	51,402
ARES CAPITAL CORP SR UNSECURED 03/29 5.875	1,100,000	1,093,030	1,109,693
ARES CAPITAL CORP SR UNSECURED 07/26 2.15	572,000	545,688	546,885
ARES CAPITAL CORP SR UNSECURED 07/29 5.95%	670,000	684,570	677,482
ARES CLO LTD ARES 2020 56A A1R2 144A	3,000,000	3,000,000	3,000,000
ARES CLO LTD ARES 2024 ALF8 A1 144A	8,000,000	8,000,000	8,000,000
ARES COMMERCIAL MORTGAGE TRUST ARES1 2024 IND A	240,000	239,414	241,502
ARES FINANCE CO II LLC COMPANY GUAR 144A 06/30 3.25%	1,200,000	1,198,392	1,085,415
ARES STRATEGIC INCOME FU SR UNSECURED 144A 03/28 5.7%	1,945,000	1,933,618	1,944,573
ARETEC GROUP INC 2024 1ST LIEN TERM LOAN B due 08/09/30	37,500	37,500	37,529
ARETEC GROUP INC SR SECURED 144A 08/30 10%	737,000	758,473	804,892
ARETEC GROUP INC SR UNSECURED 144A 04/29 7.5%	96,000	89,107	95,507
ARI FLEET LEASE TRUST ARIFL 2024 A A2 144A	597,492	597,457	600,799
ARI FLEET LEASE TRUST ARIFL 2024 B A2 144A	350,000	349,967	352,887
ARINI EUROPEAN CLO ARINI 2X D REGS	100,000	108,880	104,405
ARKO CORP COMPANY GUAR 144A 11/29 5.125%	1,370,000	1,301,985	1,246,416
ARMOR HOLDCO INC COMPANY GUAR 144A 11/29 8.5%	800,000	800,000	807,410
AROWNTOWN SA SR UNSECURED REGS 07/26 0.0000%	100,000	94,853	98,770
ARROYO MORTGAGE TRUST ARRW 2022 2 A1 144A	477,626	472,048	474,996
ARSENAL AIC PARENT LLC 2024 1ST LIEN TERM LOAN B due 08/18/30	977,674	977,674	984,763
ARSENAL AIC PARENT LLC SR SECURED 144A 10/30 8%	835,000	835,000	864,055
ARSENAL AIC PARENT LLC UNSECURED 144A 10/31 11.5	185,000	198,249	206,969
ARTERA SERVICES LLC SR SECURED 144A 02/31 8.5	170,000	169,790	163,858
ARTHUR J GALLAGHER + CO SR UNSECURED 02/35 5.15%	3,790,000	3,775,916	3,700,439
ARTHUR J GALLAGHER + CO SR UNSECURED 02/55 5.55%	1,258,000	1,248,390	1,214,217
ARTHUR J GALLAGHER + CO SR UNSECURED 12/29 4.85%	1,226,000	1,223,031	1,219,798
AS MILEAGE PLAN IP LIMITED TERM LOAN B due 10/15/31	700,000	698,275	702,450
AS MILEAGE PLAN IP LTD SR SECURED 144A 10/29 5.021%	526,000	519,004	512,489
AS MILEAGE PLAN IP LTD SR SECURED 144A 10/31 5.308%	834,000	801,994	814,031
ASBURY AUTOMOTIVE GROUP COMPANY GUAR 03/28 4.5	104,000	100,190	99,684
ASBURY AUTOMOTIVE GROUP COMPANY GUAR 144A 02/32 5%	1,827,000	1,681,404	1,666,528
ASBURY AUTOMOTIVE GROUP COMPANY GUAR 144A 11/29 4.625%	92,000	91,870	85,619
ASCENT RESOURCES/ARU FIN SR UNSECURED 144A 06/29 5.875%	754,000	753,827	734,308
ASCENT RESOURCES/ARU FIN SR UNSECURED 144A 10/32 6.625%	435,000	435,000	432,385
ASCENT RESOURCES/ARU FIN SR UNSECURED 144A 12/28 8.25%	980,000	984,240	1,000,413
ASG FINANCE DESIGNATED COMPANY GUAR 144A 05/29 9.75	200,000	200,000	202,308
ASGN INCORPORATED COMPANY GUAR 144A 05/28 4.625%	290,000	287,251	275,442
ASHFORD HOSPITALITY TRUST AHT1 2018 KEYS A 144A	58,031	58,074	57,766
ASHLAND INC SR UNSECURED 144A 09/31 3.375%	1,297,000	1,104,384	1,106,028
ASHTREAD CAPITAL INC COMPANY GUAR 144A 04/34 5.8	1,009,000	1,005,440	1,010,025
ASHTREAD CAPITAL INC COMPANY GUAR 144A 08/26 1.5%	275,000	274,764	260,200
ASHTON WOODS USA/FINANCE SR UNSECURED 144A 01/28 6.625%	550,000	556,290	550,606
ASHTON WOODS USA/FINANCE SR UNSECURED 144A 04/30 4.625%	960,000	915,478	871,091
ASIAN INFRASTRUCTURE INV SR UNSECURED 03/34 4.25	3,460,000	3,391,253	3,344,246
ASIAN INFRASTRUCTURE INV SR UNSECURED REGS 03/29 7	55,900,000	661,350	647,317
ASP UNIFRAX HOLDINGS INC 2024 DELAYED DRAW TERM LOAN due 09/28/29	801,649	801,649	785,616
ASPIRE BAKERIES HOLDINGS LLC TERM LOAN due 12/13/30	105,442	104,921	106,233
ASSET BACKED FUNDING CERTIFICA ABFC 2005 WF1 M6	1,372,697	1,371,990	1,369,643
ASSOC BANC CORP SR UNSECURED 08/30 VAR	437,000	437,000	445,649
ASSURANT INC SUBORDINATED 03/48 VAR	250,000	266,260	254,089
ASSURED GUARANTY US HLDG COMPANY GUAR 09/28 6.125%	925,000	921,255	959,796
ASSUREDPARTNERS INC 2024 INCREMENTAL TERM LOAN B5 due 02/14/31	1,383,158	1,381,597	1,384,970

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ASSUREDPARTNERS INC SR UNSECURED 144A 01/29 5.625%	67,000	63,889	67,704
ASSUREDPARTNERS INC SR UNSECURED 144A 02/32 7.5	1,450,000	1,450,000	1,560,575
ASTM SPA SR UNSECURED REGS 01/30 1.5%	709,000	644,536	669,743
ASTON MARTIN CAPITAL HOL SR SECURED 144A 03/29 10	1,995,000	2,006,750	1,947,533
ASTRAZENECA PLC SR UNSECURED 11/25 3.375%	3,001,000	2,973,425	2,971,486
ASURION LLC 2020 TERM LOAN B8 due 12/23/26	399,579	397,794	399,172
ASURION LLC 2021 SECOND LIEN TERM LOAN B4 due 01/20/29	155,000	140,935	149,236
ASURION LLC 2021 TERM LOAN B9 due 07/31/27	2,802,641	2,766,587	2,793,449
ASURION LLC 2024 TERM LOAN B12 due 09/19/30	149,625	146,769	149,091
AT+T INC JR SUBORDINA 12/99 VAR	1,300,000	1,416,415	1,339,837
AT+T INC SR UNSECURED 02/28 1.65%	200,000	199,892	181,855
AT+T INC SR UNSECURED 02/32 2.25%	630,000	532,425	521,051
AT+T INC SR UNSECURED 03/47 5.45	330,000	324,590	311,927
AT+T INC SR UNSECURED 05/46 4.75	348,000	307,796	302,259
AT+T INC SR UNSECURED 06/27 2.3%	2,898,000	2,880,517	2,734,796
AT+T INC SR UNSECURED 06/31 2.75%	2,050,000	2,047,959	1,783,504
AT+T INC SR UNSECURED 06/41 3.5%	575,000	573,505	441,023
AT+T INC SR UNSECURED 06/45 4.35%	396,000	340,298	324,954
AT+T INC SR UNSECURED 06/51 3.65%	3,358,000	2,541,036	2,374,244
AT+T INC SR UNSECURED 06/60 3.85%	1,415,000	1,000,636	980,851
AT+T INC SR UNSECURED 08/37 4.9%	550,000	565,406	519,203
AT+T INC SR UNSECURED 08/41 5.55%	40,000	40,492	38,956
AT+T INC SR UNSECURED 09/40 5.35%	40,000	39,977	38,761
AT+T INC SR UNSECURED 09/53 3.5%	3,680,000	2,444,594	2,479,299
AT+T INC SR UNSECURED 09/55 3.55%	1,459,000	1,019,678	984,399
AT+T INC SR UNSECURED 09/59 3.65%	9,066,000	7,886,370	6,020,873
AT+T INC SR UNSECURED 11/46 5.15%	175,000	209,931	160,765
AT+T INC SR UNSECURED 12/26 2.9%	572,000	685,486	690,791
AT+T INC SR UNSECURED 12/33 2.55%	3,311,000	2,977,664	2,668,771
AT+T INC SR UNSECURED 12/57 3.8%	2,380,000	1,696,224	1,645,392
ATHENAHEALTH GROUP INC SR UNSECURED 144A 02/30 6.5%	968,000	956,263	919,935
ATHENAHEALTH GROUP, INC. 2022 DELAYED DRAW TERM LOAN due 02/15/29	18,478	18,468	18,508
ATHENAHEALTH INC 2022 TERM LOAN B due 02/15/29	3,819,005	3,797,348	3,823,091
ATI INC SR UNSECURED 08/30 7.25%	443,000	455,468	455,512
ATI INC SR UNSECURED 10/29 4.875%	120,000	114,075	114,321
ATI INC SR UNSECURED 10/31 5.125%	795,000	767,747	747,483
ATI INC SR UNSECURED 12/27 5.875%	25,000	23,941	24,777
ATLANTICA SUSTAIN INFRA COMPANY GUAR 144A 06/28 4.125%	296,000	286,682	279,674
ATLAS LUXCO 4 / ALL UNI SR SECURED 144A 06/28 4.625%	1,335,000	1,230,541	1,262,234
ATLAS LUXCO 4 / ALL UNI SR SECURED REGS 06/28 3.625%	140,000	133,596	139,411
ATLAS LUXCO 4 / ALL UNI SR SECURED REGS 06/28 4.875	200,000	229,018	231,929
ATLAS SENIOR LOAN FUND LTD ATCLO 2023 21A B 144A	3,200,000	3,200,000	3,226,468
ATLAS STATIC SENIOR LOAN FUND ATSTC 2022 1A BR 144A	2,000,000	2,000,000	2,003,263
ATRIUM CDO CORP ATRM 13A B 144A	2,500,000	2,497,482	2,503,788
ATRIUM HOTEL PORTFOLIO TRUST AHPT 2024 ATRM A 144A	280,000	279,986	278,614
ATS CORP COMPANY GUAR 144A 12/28 4.125%	135,000	130,435	125,133
AURIS LUXEMBOURG III SARL 2024 TERM LOAN B4 due 02/28/29	122,420	122,420	123,849
AURIUM CLO ACLO 8X D REGS	100,000	104,368	103,881
AUST + NZ BANKING GROUP SR UNSECURED REGS 05/27 VAR	400,000	432,065	414,697
AUST + NZ BANKING GRP NY SR UNSECURED 11/25 3.7%	1,100,000	1,096,403	1,092,179
AUTONATION INC COMPANY GUAR 10/25 4.5%	730,000	727,388	727,171
AVALONBAY COMMUNITIES SR UNSECURED 01/28 3.2%	850,000	816,479	813,580
AVANGRID INC SR UNSECURED 04/25 3.2%	600,000	599,953	596,975
AVANTOR FUNDING INC COMPANY GUAR 144A 07/28 4.625%	1,539,000	1,509,533	1,468,982
AVANTOR FUNDING INC COMPANY GUAR 144A 11/29 3.875%	1,609,000	1,600,279	1,470,954
AVANTOR FUNDING INC COMPANY GUAR REGS 07/28 3.875%	100,000	107,308	103,165
AVENUE OF AMERICAS AOA 2021 1177 E 144A	700,000	699,276	582,806
AVIATION CAPITAL GROUP SR UNSECURED 144A 01/26 1.95%	600,000	598,721	580,937
AVIENT CORP SR UNSECURED 144A 08/30 7.125%	155,000	151,367	158,327
AVIENT CORP SR UNSECURED 144A 11/31 6.25%	1,048,000	1,048,996	1,033,622
AVIS BUDGET CAR/FINANCE COMPANY GUAR 144A 01/30 8.25%	536,000	539,563	552,763

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
AVIS BUDGET CAR/FINANCE COMPANY GUAR 144A 02/31 8%	1,067,000	1,055,157	1,091,854
AVIS BUDGET CAR/FINANCE COMPANY GUAR 144A 03/29 5.375	103,000	94,682	96,332
AVIS BUDGET CAR/FINANCE COMPANY GUAR 144A 07/27 5.75%	202,000	201,974	197,396
AVIS BUDGET RENTAL CAR FUNDING AESOP 2022 1A B 144A	840,000	820,738	820,135
AVIS BUDGET RENTAL CAR FUNDING AESOP 2022 5A C 144A	1,260,000	1,259,969	1,267,432
AVIS BUDGET RENTAL CAR FUNDING AESOP 2023 1A CN 144A	470,000	473,331	472,378
AVIS BUDGET RENTAL CAR FUNDING AESOP 2024 1A B 144A	1,351,000	1,350,881	1,359,277
AVOCA CLO AVOCA 18X DR REGS	110,000	115,379	113,905
AVOLON HOLDINGS FNDG LTD COMPANY GUAR 144A 04/26 4.25%	2,027,000	2,020,393	2,002,537
AXALTA COAT/DUTCH HLD BV COMPANY GUAR 144A 06/27 4.75%	673,000	674,252	659,679
AXALTA COATING SYSTEMS COMPANY GUAR 144A 02/29 3.375%	296,000	296,000	268,680
AXALTA COATING SYSTEMS D COMPANY GUAR 144A 02/31 7.25%	993,000	1,009,098	1,027,574
AXIS EQUIPMENT FINANCE RECEIVA AXIS 2022 2A A2 144A	231,705	231,682	232,366
AXIS EQUIPMENT FINANCE RECEIVA AXIS 2024 1A A2 144A	1,946,271	1,963,546	1,954,290
AZELIS FINANCE NV COMPANY GUAR REGS 03/28 5.75%	100,000	110,922	106,807
AZELIS FINANCE NV SR UNSECURED REGS 09/29 4.75%	100,000	110,100	106,512
AZORRA FINANCE COMPANY GUAR 144A 04/30 7.75%	205,000	206,259	203,784
AZZURRA AEROPORTI SPA SR SECURED REGS 05/27 2.625%	200,000	202,111	203,428
B+G FOODS INC COMPANY GUAR 09/27 5.25%	938,000	940,091	893,651
B+G FOODS INC SR SECURED 144A 09/28 8%	2,045,000	2,046,106	2,102,248
BABSON CLO LTD BABS N 2024 4A B 144A	1,000,000	1,000,000	1,002,851
BACARDI LTD COMPANY GUAR 144A 05/28 4.7	7,372,000	7,174,639	7,269,214
BACARDI LTD COMPANY GUAR 144A 05/48 5.3%	3,155,000	3,237,641	2,828,976
BAE SYSTEMS HOLDINGS INC COMPANY GUAR 144A 12/25 3.85%	798,000	808,851	790,622
BAE SYSTEMS PLC SR UNSECURED 144A 02/31 1.9%	5,000,000	4,053,604	4,136,542
BAIN CAPITAL CREDIT CLO, LIMIT BCC 2018 2A A1R 144A	2,489,662	2,489,662	2,489,794
BAIN CAPITAL CREDIT CLO, LIMIT BCC 2018 2A BR 144A	250,000	250,000	249,901
BAIN CAPITAL CREDIT CLO, LIMIT BCC 2021 3A CR 144A	1,200,000	1,200,000	1,200,000
BAIN CAPITAL CREDIT CLO, LIMIT BCC 2021 4A A1R 144A	250,000	250,000	250,122
BAIN CAPITAL CREDIT CLO, LIMIT BCC 2023 3A A 144A	2,700,000	2,722,350	2,708,127
BAKER HUGHES LLC/CO OBL SR UNSECURED 12/27 3.337%	735,000	731,716	708,608
BALBOA BAY LOAN FUNDING LTD BOBA 2024 1A A1 144A	2,000,000	2,000,000	2,019,476
BALDER FINLAND OYJ COMPANY GUAR REGS 01/29 1%	210,000	190,299	195,613
BALL CORP COMPANY GUAR 03/28 6.875%	4,000	4,093	4,091
BALL CORP COMPANY GUAR 06/29 6%	851,000	857,211	857,169
BALL CORP COMPANY GUAR 08/30 2.875%	1,233,000	1,174,703	1,055,147
BALLYROCK LTD BALLY 2019 1A CR 144A	1,000,000	1,000,000	1,005,485
BALLYROCK LTD BALLY 2020 14A A1AR	1,500,000	1,500,000	1,509,397
BALLYROCK LTD BALLY 2020 14A BR 144A	250,000	250,000	250,090
BALLYROCK LTD BALLY 2024 27A A2 144A	1,925,000	1,925,000	1,934,077
BALTIMORE GAS + ELECTRIC SR UNSECURED 08/47 3.75%	217,000	208,934	161,817
BALTIMORE GAS + ELECTRIC SR UNSECURED 09/49 3.2%	85,000	58,325	56,263
BANC OF AMERICA MERRILL LYNCH BAMLL 2013 WBRK A 144A	519,000	478,235	508,620
BANC OF AMERICA MERRILL LYNCH BAMLL 2024 BHP A 144A	160,000	160,000	160,793
BANC OF AMERICA MERRILL LYNCH BAMLL 2024 BHP B 144A	1,588,000	1,588,000	1,601,381
BANCA MONTE DEI PASCHI S REGS 03/26 VAR	100,000	110,349	104,068
BANCA MONTE DEI PASCHI S SUBORDINATED REGS 01/28 VAR	100,000	114,421	114,185
BANCA MONTE DEI PASCHI S SUBORDINATED REGS 07/29 10.5%	420,000	580,118	547,567
BANCO BILBAO VIZCAYA ARG JR SUBORDINA REGS 12/99 VAR	200,000	205,001	209,950
BANCO BPM SPA REGS 06/28 VAR	150,000	160,560	165,234
BANCO BPM SPA SUBORDINATED REGS 01/32 VAR	200,000	195,869	205,852
BANCO DE CREDITO DEL PER SUBORDINATED 144A 07/30 VAR	285,000	267,672	279,074
BANCO DE CREDITO DEL PER SUBORDINATED 144A 09/31 VAR	260,000	259,850	246,072
BANCO DE CREDITO SOCIAL REGS 09/30 VAR	100,000	111,321	106,357
BANCO DE SABADELL SA REGS 09/29 VAR	100,000	106,635	111,205
BANCO DE SABADELL SA SUBORDINATED REGS 08/33 VAR	200,000	203,462	220,520
BANCO INTERNAC DEL PERU SR UNSECURED 144A 10/26 3.25%	447,000	450,353	430,783
BANCO INTERNAC DEL PERU SUBORDINATED 144A 07/30 VAR	300,000	281,753	295,384
BANCO MERCANTIL DE NORTE JR SUBORDINA 144A 12/99 VAR	400,000	400,000	381,757
BANCO SANTANDER SA 03/25 3.496	4,000,000	3,982,154	3,990,655
BANCO SANTANDER SA 03/26 1.849%	3,000,000	2,891,829	2,885,378

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BANCO SANTANDER SA 04/27 4.25%	400,000	398,375	392,949
BANCO SANTANDER SA 05/25 2.746%	31,000,000	30,631,045	30,703,123
BANCO SANTANDER SA 08/25 5.147%	10,600,000	10,584,166	10,609,848
BANCO SANTANDER SA REGS 04/26 1.5%	1,100,000	1,232,287	1,319,052
BANCO SANTANDER SA SUBORDINATED 08/33 6.921%	7,000,000	7,072,225	7,350,818
BANCO SANTANDER SA SUBORDINATED 12/30 2.749%	400,000	400,000	338,689
BANGKOK BANK PCL/HK JR SUBORDINA REGS 12/99 VAR	200,000	190,521	197,698
BANGKOK BANK PCL/HK SR UNSECURED 144A 09/28 5.3%	254,000	253,206	255,095
BANGKOK BANK PCL/HK SR UNSECURED 144A 09/33 5.5%	454,000	455,707	455,520
BANGKOK BANK PCL/HK SUBORDINATED 144A 09/34 VAR	300,000	307,784	271,549
BANGKOK BANK PCL/HK SUBORDINATED 144A 09/36 VAR	315,000	315,000	269,112
BANGKOK BANK PCL/HK SUBORDINATED REGS 09/34 VAR	200,000	202,794	181,033
BANGL LLC TERM LOAN B due 02/01/29	616,891	619,836	620,555
BANIJAY ENTERTAINMENT SAS USD TERM LOAN due 03/01/28	478,969	477,335	481,162
BANIJAY ENTERTAINMENT SR SECURED 144A 05/29 8.125%	2,336,000	2,354,523	2,418,489
BANIJAY ENTERTAINMENT SR SECURED REGS 05/29 7%	200,000	215,854	217,976
BANK BANK 2018 BN14 A2	140,589	148,549	140,264
BANK BANK 2018 BN14 C	1,020,000	870,082	868,504
BANK BANK 2019 BN21 A5	3,300,000	3,387,217	2,960,416
BANK BANK 2019 BN22 A4	2,110,000	1,802,514	1,903,264
BANK BANK 2019 BN23 B	450,000	496,591	390,308
BANK BANK 2020 BN25 B	700,000	719,465	600,641
BANK BANK 2020 BN25 C	1,000,000	840,609	838,423
BANK BANK 2021 BN36 A5	2,080,000	1,786,339	1,756,440
BANK BANK 2022 BNK39 A4	409,000	370,697	352,738
BANK BANK 2023 BNK45 C	896,000	858,780	873,952
BANK BANK 2023 BNK46 XA	11,385,043	431,072	425,557
BANK BANK 2024 BNK47 A5	5,225,000	5,379,846	5,406,678
BANK BANK 2024 BNK47 C	1,212,000	1,242,462	1,245,808
BANK BANK 2024 BNK48 A5	2,250,000	2,315,864	2,215,212
BANK GOSPODARSTWA KRAJOW GOVT GUARANT 144A 05/33 5.375%	460,000	449,549	449,034
BANK GOSPODARSTWA KRAJOW GOVT GUARANT 144A 07/34 5.75%	874,000	871,893	868,267
BANK GOSPODARSTWA KRAJOW GOVT GUARANT 144A 07/54 6.25%	2,440,000	2,422,432	2,391,903
BANK GOSPODARSTWA KRAJOW GOVT GUARANT 144A 10/28 6.25%	700,000	698,946	728,102
BANK GOSPODARSTWA KRAJOW GOVT GUARANT REGS 05/33 5.375%	228,000	227,815	222,564
BANK GOSPODARSTWA KRAJOW GOVT GUARANT REGS 10/28 6.25%	200,000	199,711	208,029
BANK LEUMI LE ISRAEL SR UNSECURED 144A REGS 07/27 5%	276,000	275,005	273,930
BANK OF AMERICA CORP JR SUBORDINA 12/99 VAR	950,000	918,645	914,700
BANK OF AMERICA CORP SR UNSECURED 01/26 VAR	85,000	84,047	84,920
BANK OF AMERICA CORP SR UNSECURED 01/35 VAR	3,009,000	3,012,014	3,013,069
BANK OF AMERICA CORP SR UNSECURED 01/44 5%	1,580,000	1,542,477	1,477,029
BANK OF AMERICA CORP SR UNSECURED 02/30 VAR	2,200,000	2,276,351	2,109,198
BANK OF AMERICA CORP SR UNSECURED 02/31 VAR	1,405,000	1,341,497	1,235,239
BANK OF AMERICA CORP SR UNSECURED 02/33 VAR	4,384,000	4,002,947	3,774,096
BANK OF AMERICA CORP SR UNSECURED 03/29 VAR	1,000,000	978,256	969,794
BANK OF AMERICA CORP SR UNSECURED 03/32 VAR	1,250,000	1,070,894	1,077,830
BANK OF AMERICA CORP SR UNSECURED 03/50 VAR	526,000	485,507	431,188
BANK OF AMERICA CORP SR UNSECURED 03/51 VAR	766,000	612,157	600,733
BANK OF AMERICA CORP SR UNSECURED 04/26 3.5%	1,250,000	1,234,422	1,231,265
BANK OF AMERICA CORP SR UNSECURED 04/26 VAR	52,000	51,226	51,805
BANK OF AMERICA CORP SR UNSECURED 04/27 VAR	297,000	292,248	292,261
BANK OF AMERICA CORP SR UNSECURED 04/28 VAR	950,000	972,206	929,456
BANK OF AMERICA CORP SR UNSECURED 04/29 VAR	5,969,000	5,903,970	5,996,685
BANK OF AMERICA CORP SR UNSECURED 04/31 VAR	2,545,000	2,476,154	2,242,244
BANK OF AMERICA CORP SR UNSECURED 04/32 VAR	2,484,000	2,161,692	2,136,137
BANK OF AMERICA CORP SR UNSECURED 04/33 VAR	4,150,000	4,123,000	3,945,924
BANK OF AMERICA CORP SR UNSECURED 04/34 VAR	1,900,000	1,937,367	1,887,183
BANK OF AMERICA CORP SR UNSECURED 07/28 VAR	2,820,000	2,798,890	2,807,418
BANK OF AMERICA CORP SR UNSECURED 07/31 VAR	1,300,000	1,304,052	1,093,365
BANK OF AMERICA CORP SR UNSECURED 07/32 VAR	2,746,000	2,526,673	2,290,831
BANK OF AMERICA CORP SR UNSECURED 07/33 VAR	1,775,000	1,710,800	1,740,249

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BANK OF AMERICA CORP SR UNSECURED 10/32 VAR	20,140,000	18,613,579	17,005,621
BANK OF AMERICA CORP SR UNSECURED 11/28 VAR	3,282,000	3,350,543	3,398,148
BANK OF AMERICA CORP SR UNSECURED 12/28 VAR	3,157,000	3,193,270	3,025,671
BANK OF AMERICA CORP SR UNSECURED REGS 05/27 VAR	200,000	199,746	204,045
BANK OF AMERICA CORP SR UNSECURED REGS 08/29 VAR	1,304,000	1,267,911	1,239,123
BANK OF AMERICA CORP SR UNSECURED REGS 09/26 VAR	1,400,000	1,516,826	1,457,615
BANK OF AMERICA CORP SR UNSECURED REGS 10/31 VAR	296,000	263,537	264,912
BANK OF AMERICA CORP SUBORDINATED 01/25 4%	33,599,000	33,570,059	33,582,183
BANK OF AMERICA CORP SUBORDINATED 01/37 6.11%	175,000	198,457	181,523
BANK OF AMERICA CORP SUBORDINATED 03/26 4.45%	190,000	189,379	189,203
BANK OF AMERICA CORP SUBORDINATED 03/37 VAR	5,300,000	5,027,220	4,695,594
BANK OF AMERICA CORP SUBORDINATED 09/36 VAR	252,000	191,772	205,683
BANK OF AMERICA CORP SUBORDINATED 10/26 4.25%	90,000	89,417	89,298
BANK OF AMERICA CORP SUBORDINATED 11/27 4.183%	3,150,000	3,283,793	3,091,786
BANK OF AMERICA CREDIT CARD TR BACCT 2023 A1 A1	2,379,000	2,378,624	2,389,406
BANK OF AMERICA NA SR UNSECURED 08/25 5.65%	14,401,000	14,474,267	14,479,474
BANK OF INDUSTRY LIMITED 2024 EUR TERM LOAN B1 due 02/14/25	3,000,000	3,140,210	3,083,201
BANK OF MONTREAL SR UNSECURED 01/25 1.5	10,000,000	9,991,390	9,991,632
BANK OF MONTREAL SR UNSECURED 05/25 1.85%	600,000	594,390	594,410
BANK OF MONTREAL SR UNSECURED 06/25 3.7%	2,500,000	2,483,409	2,488,519
BANK OF NOVA SCOTIA SR UNSECURED 01/25 1.45%	21,100,000	21,081,576	21,080,906
BANK OF NOVA SCOTIA SR UNSECURED 06/25 5.45	5,000,000	5,004,412	5,015,361
BANK OF NY MELLON CORP JR SUBORDINA 12/99 VAR	535,000	539,754	529,922
BANK OF NY MELLON CORP SR UNSECURED 01/31 1.65%	34,000	29,890	28,110
BANK OF NY MELLON CORP SR UNSECURED 04/25 1.6	30,000,000	29,645,070	29,709,609
BANK OF NY MELLON CORP SR UNSECURED 07/30 VAR	155,000	155,000	153,145
BANK OF NY MELLON CORP SR UNSECURED 10/33 VAR	450,000	450,000	466,103
BANK5 BANK5 2023 5YR1 A3	2,500,000	2,542,823	2,581,494
BANK5 BANK5 2023 5YR3 A3	770,000	815,522	809,702
BANK5 BANK5 2024 5YR11 A3	2,185,000	2,250,338	2,247,572
BANK5 BANK5 2024 5YR11 AS	1,025,000	1,055,668	1,049,501
BANK5 BANK5 2024 5YR12 C	1,946,000	1,964,816	1,957,711
BANK5 BANK5 2024 5YR5 A3	2,090,996	2,117,799	2,131,330
BANK5 BANK5 2024 5YR6 C	950,000	983,210	973,930
BANKINTER SA SUBORDINATED REGS 06/34 VAR	100,000	108,041	107,223
BANQUE FED CRED MUTUEL 144A 01/26 4.935%	4,400,000	4,407,983	4,407,441
BANQUE FED CRED MUTUEL REGS 02/34 3.75%	500,000	541,348	525,187
BANQUE FED CRED MUTUEL REGS 03/27 VAR	200,000	216,294	208,128
BANQUE FED CRED MUTUEL SUBORDINATED REGS 01/34 4.375	200,000	217,490	207,635
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2015 VFM A2 144A	1,670,000	1,697,915	1,533,748
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2018 CHRS D 144A	800,000	791,871	686,242
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2018 TALL A 144A	1,000,000	956,918	946,250
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2018 TALL C 144A	1,000,000	923,740	865,209
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2021 C11 B	1,662,000	1,638,162	1,322,679
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2021 C11 XA	9,235,340	1,012,854	561,550
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2022 C17 A5	1,955,000	1,720,329	1,864,324
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2023 C19 A2B	505,000	509,829	509,291
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2023 C22 A4	565,000	570,500	614,509
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2023 C22 A5	785,125	867,763	870,920
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 5C25 B	721,000	720,956	732,637
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 5C29 A3	685,000	705,407	687,212
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 5C31 A3	1,290,000	1,328,622	1,315,975
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 5C31 C	451,000	450,999	445,557
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 C24 A5	1,150,000	1,183,777	1,166,373
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 C26 A5	420,000	432,418	438,379
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 C26 C	1,075,000	1,041,141	1,063,890
BARCLAYS MORTGAGE LOAN TRUST BARC 2024 NQM1 A1 144A	903,771	901,596	906,440
BARCLAYS PLC JR SUBORDINA 12/99 VAR	200,000	204,812	199,529
BARCLAYS PLC JR SUBORDINA VAR	1,200,000	1,613,428	1,504,758
BARCLAYS PLC SR UNSECURED 03/28 VAR	775,000	775,000	784,619
BARCLAYS PLC SR UNSECURED 05/26 VAR	1,725,000	1,725,000	1,711,666

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BARCLAYS PLC SR UNSECURED 05/27 VAR	6,475,000	6,506,938	6,544,547
BARCLAYS PLC SR UNSECURED 05/29 VAR	580,000	579,745	574,587
BARCLAYS PLC SR UNSECURED 08/28 VAR	2,100,000	2,100,000	2,122,315
BARCLAYS PLC SR UNSECURED 09/27 VAR	1,100,000	1,122,715	1,126,529
BARCLAYS PLC SR UNSECURED 09/29 VAR	1,225,000	1,225,000	1,274,520
BARCLAYS PLC SR UNSECURED 09/35 VAR	1,300,000	1,300,000	1,248,961
BARCLAYS PLC SR UNSECURED 11/26 VAR	1,975,000	1,975,000	2,010,640
BARCLAYS PLC SR UNSECURED REGS 01/26 VAR	2,620,000	2,771,948	2,709,630
BARCLAYS PLC SR UNSECURED REGS 05/28 VAR	300,000	323,902	311,796
BARCLAYS PLC SR UNSECURED REGS 05/32 VAR	291,000	265,919	261,170
BARCLAYS PLC SR UNSECURED REGS 08/30 VAR	1,000,000	1,072,481	1,106,655
BARCLAYS PLC SR UNSECURED REGS 11/29 VAR	630,000	765,796	833,758
BARCLAYS PLC SUBORDINATED 05/28 4.836%	2,725,000	2,725,000	2,676,676
BARCLAYS PLC SUBORDINATED 06/30 VAR	1,430,000	1,304,313	1,392,668
BARNES GROUP INC 2024 TERM LOAN B due 12/10/31	1,062,703	1,063,308	1,062,171
BARRICK NA FINANCE LLC COMPANY GUAR 05/41 5.7%	180,000	183,499	176,659
BARRICK NA FINANCE LLC COMPANY GUAR 05/43 5.75%	440,000	452,487	435,172
BARROW HANLEY CLO LTD BARHN 2023 2A B 144A	3,250,000	3,250,000	3,378,507
BAT CAPITAL CORP COMPANY GUAR 03/28 2.259%	2,101,000	2,029,374	1,930,271
BAT CAPITAL CORP COMPANY GUAR 03/31 2.726%	850,000	850,000	733,904
BAT CAPITAL CORP COMPANY GUAR 03/32 4.742%	4,925,000	4,819,061	4,738,559
BAT CAPITAL CORP COMPANY GUAR 03/52 5.65%	289,000	269,498	264,974
BAT CAPITAL CORP COMPANY GUAR 04/27 4.7%	439,000	438,372	437,129
BAT CAPITAL CORP COMPANY GUAR 04/50 5.282%	90,000	77,585	79,013
BAT CAPITAL CORP COMPANY GUAR 08/27 3.557%	585,000	568,123	565,983
BAT CAPITAL CORP COMPANY GUAR 08/30 6.343%	700,000	700,000	736,347
BAT CAPITAL CORP COMPANY GUAR 08/33 6.421%	1,950,000	1,932,675	2,061,217
BAT CAPITAL CORP COMPANY GUAR 08/47 4.54%	2,042,000	1,563,011	1,623,649
BAT CAPITAL CORP COMPANY GUAR 08/53 7.081%	2,410,000	2,640,465	2,644,754
BAT CAPITAL CORP COMPANY GUAR 09/49 4.758%	568,000	523,505	460,459
BAT INTL FINANCE PLC COMPANY GUAR 03/28 4.448	1,226,000	1,207,802	1,206,332
BATH + BODY WORKS INC COMPANY GUAR 06/29 7.5%	102,000	105,549	105,113
BATH + BODY WORKS INC COMPANY GUAR 07/36 6.75%	375,000	439,560	381,093
BATH + BODY WORKS INC COMPANY GUAR 11/35 6.875%	573,000	571,620	586,313
BATH + BODY WORKS INC COMPANY GUAR 144A 10/30 6.625%	489,000	495,222	492,645
BAUSCH + LOMB CORPORATION 2023 INCREMENTAL TERM LOAN due 09/29/28	464,125	460,631	465,865
BAUSCH + LOMB CORPORATION TERM LOAN due 05/10/27	513,775	507,903	515,244
BAUSCH + LOMB ESCROW COR SR SECURED 144A 10/28 8.375%	1,065,000	1,079,762	1,102,275
BAUSCH HEALTH COS INC SR SECURED 144A 02/27 6.125%	2,510,000	2,400,515	2,277,825
BAUSCH HEALTH COS INC SR SECURED 144A 06/28 4.875%	2,615,000	2,488,041	2,092,000
BAUSCH HEALTH COS INC SR SECURED 144A 08/27 5.75%	400,000	348,999	348,000
BAUSCH HEALTH COS INC SR SECURED 144A 09/28 11%	100,000	92,764	95,000
BAUSCH HEALTH COS INC SR SECURED 144A 11/25 5.5%	920,000	901,026	897,721
BAXTER INTERNATIONAL INC SR UNSECURED 02/27 1.915%	692,000	677,413	652,224
BAYER AG JR SUBORDINA REGS 03/82 VAR	100,000	102,366	102,544
BAYER AG JR SUBORDINA REGS 09/54 VAR	700,000	769,078	724,941
BAYER AG JR SUBORDINA REGS 09/83 VAR	400,000	447,115	431,127
BAYER AG SR UNSECURED REGS 08/26 4%	2,406,000	2,597,660	2,531,281
BAYER US FINANCE II LLC COMPANY GUAR 144A 12/25 4.25%	4,275,000	4,274,670	4,246,238
BAYER US FINANCE II LLC COMPANY GUAR 144A 12/28 4.375%	1,775,000	1,650,153	1,706,817
BAYER US FINANCE LLC COMPANY GUAR 144A 11/33 6.5	750,000	757,504	762,895
BAYTEX ENERGY CORP COMPANY GUAR 144A 04/30 8.5%	428,000	436,333	437,315
BAYTEX ENERGY CORP SR UNSECURED 144A 03/32 7.375	716,000	711,368	697,671
BAYVIEW OPPORTUNITY MASTER FUN BVCLN 2024 EDU1 C 144A	2,004,079	1,976,806	1,976,981
BAYVIEW OPPORTUNITY MASTER FUN BVCLN 2024 EDU1 E 144A	511,680	517,823	499,345
BBVA BANCOMER SA TEXAS SUBORDINATED 144A 06/38 VAR	325,000	336,914	336,586
BCP MODULAR SERVICES SR SECURED REGS 11/28 4.75%	100,000	107,162	101,489
BCP MODULAR SERVICES SR SECURED REGS 11/28 6.125%	115,000	138,935	138,987
BCPE EMPIRE HOLDINGS INC SR UNSECURED 144A 05/27 7.625%	225,000	224,411	224,185
BCPE PEQUOD BUYER INC USD TERM LOAN B due 11/25/31	78,750	78,356	79,326
BCRED CLO LLC BCRED 2023 1A A 144A	800,000	800,000	804,190

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BEACON CONTAINER FINANCE II LL BEACN 2021 1A A 144A	1,232,733	1,232,259	1,109,735
BEACON ROOFING SUPPLY IN COMPANY GUAR 144A 05/29 4.125%	25,000	25,000	23,723
BEACON ROOFING SUPPLY IN SR SECURED 144A 08/30 6.5%	292,000	291,891	296,248
BEACON ROOFING SUPPLY IN SR SECURED 144A 11/26 4.5%	437,000	433,370	429,385
BEAR MOUNTAIN PARK CLO, LTD BRMTN 2022 1A BR 144A	615,000	615,000	619,544
BEAR STEARNS ADJUSTABLE RATE M BSARM 2003 9 2A1	1,279	1,268	1,180
BEAR STEARNS ADJUSTABLE RATE M BSARM 2004 10 21A1	27,998	25,649	26,370
BEAR STEARNS ADJUSTABLE RATE M BSARM 2005 12 13A1	642	544	446
BEAR STEARNS ALT A TRUST BALTA 2004 3 A1	402,906	402,958	398,425
BEAR STEARNS ALT A TRUST BALTA 2005 3 2A1	57,607	53,878	53,410
BEAR STEARNS ALT A TRUST BALTA 2006 8 3A1	397,259	369,394	371,119
BEAR STEARNS MORTGAGE FUNDING BSMF 2006 AR4 A1	478,012	327,394	460,330
BEAR STEARNS MORTGAGE FUNDING BSMF 2007 AR2 A1	645,782	415,223	599,451
BEAR STEARNS MORTGAGE FUNDING BSMF 2007 AR3 1A1	704,897	486,718	643,223
BEAZER HOMES USA COMPANY GUAR 10/27 5.875%	175,000	169,691	172,718
BEAZER HOMES USA COMPANY GUAR 10/29 7.25%	950,000	982,010	963,051
BEAZER HOMES USA SR UNSECURED 144A 03/31 7.5	300,000	301,240	304,775
BECTON DICKINSON + CO SR UNSECURED 02/29 4.874	3,016,000	3,016,000	3,007,488
BECTON DICKINSON + CO SR UNSECURED 05/30 2.823%	350,000	350,000	313,453
BELDEN INC COMPANY GUAR REGS 03/28 3.875%	101,000	102,651	104,613
BELFOR HOLDINGS INC 2023 USD TERM LOAN B due 11/01/30	1,327,774	1,315,911	1,341,052
BELLIS ACQUISITION CO PL SR SECURED REGS 05/30 8.125	342,000	430,572	414,281
BELLRING BRANDS INC COMPANY GUAR 144A 03/30 7%	1,485,000	1,491,031	1,520,693
BELRON FINANCE US LLC 2024 USD TERM LOAN B due 10/16/31	2,380,837	2,375,327	2,400,193
BELRON UK FINANCE PLC SR SECURED 144A 10/29 5.75%	397,000	397,938	392,923
BELRON UK FINANCE PLC SR SECURED REGS 10/29 4.625%	150,000	165,540	159,053
BENCHMARK MORTGAGE TRUST BMARK 2019 B12 AS	1,818,000	1,874,655	1,641,960
BENCHMARK MORTGAGE TRUST BMARK 2019 B15 A5	1,400,000	1,260,069	1,246,290
BENCHMARK MORTGAGE TRUST BMARK 2019 B15 B	155,000	159,332	130,680
BENCHMARK MORTGAGE TRUST BMARK 2020 B16 C	368,000	298,466	287,704
BENCHMARK MORTGAGE TRUST BMARK 2020 B17 C	510,000	391,796	378,534
BENCHMARK MORTGAGE TRUST BMARK 2020 IG1 AS	460,000	474,889	345,132
BENCHMARK MORTGAGE TRUST BMARK 2022 B33 A5	2,900,000	2,446,030	2,563,362
BENCHMARK MORTGAGE TRUST BMARK 2022 B35 A5	235,000	241,307	218,970
BENCHMARK MORTGAGE TRUST BMARK 2023 B40 A5	1,693,985	1,802,927	1,787,167
BENCHMARK MORTGAGE TRUST BMARK 2023 B40 C	616,000	641,761	641,798
BENCHMARK MORTGAGE TRUST BMARK 2023 V3 A3	620,000	645,973	643,196
BENCHMARK MORTGAGE TRUST BMARK 2024 V6 AS	1,000,000	1,029,550	1,031,832
BENCHMARK MORTGAGE TRUST BMARK 2024 V6 D	363,000	319,137	313,398
BENCHMARK MORTGAGE TRUST BMARK 2024 V7 B	2,153,000	2,214,647	2,245,581
BENEFIT STREET PARTNERS CLO LT BSP 2017 12BRA A 144A	300,000	300,000	302,213
BENIN INTL GOV BOND SR UNSECURED 144A 02/38 7.96	290,000	272,924	273,325
BENIN INTL GOV BOND SR UNSECURED REGS 02/38 7.96%	363,000	351,669	342,128
BENTELER INTERNATIONAL A SR SECURED 144A 05/28 10.5%	155,000	157,082	162,949
BERKSHIRE HATHAWAY ENERG SR UNSECURED 07/30 3.7%	1,245,000	1,228,414	1,171,758
BERKSHIRE HATHAWAY FIN COMPANY GUAR 01/49 4.25%	340,000	298,850	284,322
BERRY GLOBAL INC SECURED 144A 07/27 5.625%	150,000	148,550	149,216
BERRY GLOBAL INC SR SECURED 01/26 1.57%	575,000	574,960	554,893
BERRY GLOBAL INC SR SECURED 04/28 5.5	140,000	139,455	141,373
BERRY GLOBAL INC SR SECURED 144A 01/34 5.65	800,000	797,883	802,713
BERTRAND FRANCHISE SR SECURED REGS 07/30 VAR	207,000	228,296	215,527
BETTCHER INDUSTRIES INC 2021 2ND LIEN TERM LOAN due 12/14/29	92,600	91,946	86,118
BETTCHER INDUSTRIES INC TERM LOAN due 12/14/28	612,148	606,312	609,087
BFLD TRUST BFLD 2021 FPM A 144A	574,000	574,000	573,641
BFLD TRUST BFLD 2021 FPM C 144A	420,000	420,000	420,462
BFLD TRUST BFLD 2024 UNIV A 144A	320,000	319,204	320,000
BFLD TRUST BFLD 2024 UNIV B 144A	240,000	239,404	240,000
BFLD TRUST BFLD 2024 UNIV D 144A	240,000	239,404	240,000
BFLD TRUST BFLD 2024 VICT A 144A	655,000	653,371	656,638
BFLD TRUST BFLD 2024 WRHS A 144A	1,153,866	1,151,578	1,156,029
BG ENERGY CAPITAL PLC COMPANY GUAR REGS 11/29 2.25%	505,000	545,388	506,780

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BHMS MORTGAGE TRUST BHMS 2018 ATLS B 144A	780,000	774,046	777,089
BIG RIVER STEEL/BRS FIN SR SECURED 144A 01/29 6.625%	994,000	1,004,927	993,062
BINOM SECURITIZATION TRUST BINOM 2022 RPL1 A1 144A	829,481	828,264	757,898
BIOCEANICO SOVEREIGN SR SECURED 144A 06/34	431,524	332,151	331,273
BLACKHAWK NETWORK HOLDINGS INC 2024 TERM LOAN due 03/12/29	365,257	359,112	369,301
BLACKSTONE MORTGAGE TR SR SECURED 144A 12/29 7.75%	195,000	195,000	200,463
BLACKSTONE MORTGAGE TRUST, INC 2022 TERM LOAN B4 due 05/09/29	287,416	281,642	287,597
BLACKSTONE MRTGE TRUST INC 2024 TERM LOAN B due 12/11/28	1,752,726	1,750,631	1,759,299
BLACKSTONE PRIVATE CRE SR UNSECURED 144A 11/29 5.6%	1,037,000	1,024,735	1,024,548
BLACKSTONE PRIVATE CRE SR UNSECURED 144A 11/34 6%	636,000	621,478	621,333
BLOCK COMMUNICATIONS INC COMPANY GUAR 144A 03/28 4.875%	4,209,000	4,025,949	3,904,153
BLOCK INC SR UNSECURED 06/26 2.75%	1,329,000	1,279,939	1,280,623
BLOCK INC SR UNSECURED 06/31 3.5	1,289,000	1,140,662	1,134,939
BLOCK INC SR UNSECURED 144A 05/32 6.5	3,544,000	3,575,621	3,578,211
BLOOMIN BRANDS INC/OSI COMPANY GUAR 144A 04/29 5.125%	865,000	800,753	780,774
BLP COMMERCIAL MORTGAGE TRUST BLP 2024 IND2 A 144A	1,653,029	1,649,058	1,653,546
BLUE OWL CAPITAL CORP SR UNSECURED 03/29 5.95%	1,331,000	1,335,228	1,336,238
BLUE RACER MID LLC/FINAN SR UNSECURED 144A 07/26 6.625%	220,000	220,000	219,720
BLUE RACER MID LLC/FINAN SR UNSECURED 144A 07/29 7	2,145,000	2,151,822	2,190,791
BLUE RACER MID LLC/FINAN SR UNSECURED 144A 07/32 7.25	1,321,000	1,337,548	1,357,109
BLUE STREAM ISSUER, LLC BSTRM 2024 1A A2 144A	1,355,000	1,355,000	1,349,547
BLUELINX HOLDING SR SECURED 144A 11/29 6%	1,945,000	1,858,605	1,898,898
BLUEMOUNTAIN CLO LTD BLUEM 2018 3A BR 144A	1,010,000	1,010,000	1,011,079
BLUEMOUNTAIN CLO LTD BLUEM 2019 26A AR 144A	7,000,000	7,000,000	7,012,851
BMO MORTGAGE TRUST BMO 2023 5C2 A3	2,250,000	2,372,945	2,400,054
BMO MORTGAGE TRUST BMO 2023 C7 A5	766,000	799,615	811,118
BMO MORTGAGE TRUST BMO 2024 5C3 AS	1,175,000	1,209,627	1,207,660
BMO MORTGAGE TRUST BMO 2024 5C3 B	436,000	448,855	448,113
BMO MORTGAGE TRUST BMO 2024 5C5 A3	2,900,000	2,986,303	2,969,721
BMO MORTGAGE TRUST BMO 2024 5C5 AS	1,200,000	1,235,724	1,239,745
BMO MORTGAGE TRUST BMO 2024 5C6 A3	275,000	283,202	275,784
BMO MORTGAGE TRUST BMO 2024 5C8 A3	1,280,000	1,318,368	1,303,413
BMO MORTGAGE TRUST BMO 2024 5C8 C	1,714,000	1,712,193	1,693,867
BMO MORTGAGE TRUST BMO 2024 C8 A5	2,050,000	2,110,505	2,102,983
BMO MORTGAGE TRUST BMO 2024 C8 C	748,000	747,975	744,167
BMP TRUST BMP 2024 MF23 D 144A	1,300,000	1,288,927	1,301,612
BMW US CAPITAL LLC COMPANY GUAR 144A 04/31 2.55%	800,000	708,537	687,512
BMW US CAPITAL LLC COMPANY GUAR 144A 08/25 5.3%	7,251,000	7,246,859	7,280,245
BMW VEHICLE LEASE TRUST BMWLT 2024 2 A2A	5,000,000	4,999,609	4,991,644
BNP PARIBAS 144A 01/25 3.375%	5,025,000	5,023,828	5,023,734
BNP PARIBAS 144A 01/27 VAR	1,175,000	1,175,000	1,131,050
BNP PARIBAS 144A 01/29 VAR	940,000	946,953	939,360
BNP PARIBAS 144A 01/30 VAR	290,000	291,347	288,012
BNP PARIBAS 144A 06/26 VAR	1,950,000	1,934,558	1,924,793
BNP PARIBAS 144A 08/28 4.4%	520,000	510,624	505,270
BNP PARIBAS JR SUBORDINA 144A 12/49 VAR	550,000	559,916	552,944
BNP PARIBAS JR SUBORDINA 144A 12/99 VAR	735,000	737,955	677,905
BNP PARIBAS JR SUBORDINA REGS 12/49 VAR	3,750,000	3,755,267	3,770,074
BNP PARIBAS REGS 01/26 3.375%	941,000	1,076,846	1,158,085
BNP PARIBAS SR UNSECURED 144A 12/34 VAR	410,000	430,069	419,676
BNP PARIBAS SUBORDINATED 144A 03/27 4.625%	1,720,000	1,698,466	1,692,553
BNP PARIBAS SUBORDINATED 144A 03/33 VAR	250,000	240,398	238,465
BNP PARIBAS SUBORDINATED 144A 05/26 4.375%	3,600,000	3,589,810	3,560,035
BNP PARIBAS SUBORDINATED 144A 08/35 VAR	4,450,000	3,572,375	3,726,778
BNP PARIBAS SUBORDINATED 144A 09/25 4.375%	6,375,000	6,368,379	6,329,853
BOCA COMMERCIAL MORTGAGE TRUST BOCA 2024 BOCA A 144A	1,790,000	1,797,253	1,797,825
BOEING CO SR UNSECURED 02/26 2.196%	320,000	310,497	310,319
BOEING CO SR UNSECURED 02/27 2.7%	150,000	143,086	142,970
BOEING CO SR UNSECURED 02/30 2.95%	571,000	509,372	509,694
BOEING CO SR UNSECURED 02/31 3.625%	1,800,000	1,795,491	1,634,065
BOEING CO SR UNSECURED 02/35 3.25%	75,000	72,185	59,837

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BOEING CO SR UNSECURED 02/50 3.75%	230,000	163,570	157,440
BOEING CO SR UNSECURED 03/27 2.8%	200,000	190,931	190,612
BOEING CO SR UNSECURED 03/29 3.2%	200,000	185,451	184,216
BOEING CO SR UNSECURED 03/38 3.55%	130,000	100,371	98,429
BOEING CO SR UNSECURED 03/48 3.625%	25,000	23,231	16,662
BOEING CO SR UNSECURED 05/26 3.1%	150,000	146,063	146,223
BOEING CO SR UNSECURED 05/27 5.04%	8,849,000	8,982,437	8,870,231
BOEING CO SR UNSECURED 05/30 5.15%	2,947,000	2,876,333	2,904,563
BOEING CO SR UNSECURED 05/40 5.705%	2,380,000	2,761,054	2,266,357
BOEING CO SR UNSECURED 05/50 5.805%	700,000	683,317	649,777
BOEING CO SR UNSECURED 06/46 3.375%	45,000	40,609	29,179
BOEING CO SR UNSECURED 08/59 3.95%	3,406,000	2,567,635	2,259,874
BOEING CO SR UNSECURED 11/48 3.85%	25,000	23,621	17,165
BOEING CO/THE SR UNSECURED 05/27 6.259%	130,000	132,960	133,095
BOEING CO/THE SR UNSECURED 05/29 6.298%	1,000,000	1,026,161	1,036,655
BOEING CO/THE SR UNSECURED 05/34 6.528%	2,846,000	3,002,960	2,982,406
BOEING CO/THE SR UNSECURED 05/54 6.858%	1,635,000	1,690,708	1,741,139
BOELS TOPHOLDING BV SR SECURED REGS 02/29 6.25%	100,000	107,050	108,403
BOELS TOPHOLDING BV SR SECURED REGS 05/30 5.75	100,000	106,555	108,067
BOMBARDIER INC SR UNSECURED 144A 02/28 6%	235,000	233,766	234,042
BOMBARDIER INC SR UNSECURED 144A 02/29 7.5%	1,780,000	1,781,304	1,851,962
BOMBARDIER INC SR UNSECURED 144A 04/27 7.875%	1,656,000	1,568,792	1,658,423
BOMBARDIER INC SR UNSECURED 144A 06/26 7.125%	32,000	32,006	32,118
BOMBARDIER INC SR UNSECURED 144A 06/32 7	3,113,000	3,143,897	3,166,133
BOMBARDIER INC SR UNSECURED 144A 07/31 7.25	1,872,000	1,876,520	1,930,549
BOMBARDIER INC SR UNSECURED 144A 11/30 8.75%	769,000	776,132	826,625
BOMBARDIER RECREATIONAL PROD 2024 TERM LOAN B4 due 01/22/31	198,000	198,468	198,028
BONOS DE TESORERIA SR UNSECURED 08/34 5.4%	1,124,000	325,173	272,521
BONOS DE TESORERIA SR UNSECURED 08/40 5.35%	9,160,000	2,093,335	2,037,266
BONOS DE TESORERIA SR UNSECURED 144A REGS 08/33 7%	1,230,000	334,119	344,427
BONOS DE TESORERIA SR UNSECURED 144A REGS 08/39 7	5,180,000	1,401,417	1,440,608
BONOS TESORERIA PESOS BONDS 144A REGS 04/33 6%	1,230,000,000	1,295,726	1,258,334
BONOS Y OBLIG DEL ESTADO SR UNSECURED 144A REGS 04/33 3%	193,000	210,012	203,316
BONOS Y OBLIG DEL ESTADO SR UNSECURED 144A REGS 10/32 2%	6,296,000	6,575,415	6,381,930
BOOST NEWCO BORROWER, LLC 2024 USD TERM LOAN B due 01/31/31	3,448,922	3,452,106	3,462,580
BOOZ ALLEN HAMILTON INC COMPANY GUAR 144A 07/29 4%	775,000	775,000	728,937
BORR IHC LTD / BORR FIN SR SECURED 144A 11/28 10%	2,470,000	2,529,902	2,458,685
BORR IHC LTD / BORR FIN SR SECURED 144A 11/30 10.375%	585,146	575,532	580,507
BOSTON PROPERTIES LP SR UNSECURED 01/25 3.2%	1,910,000	1,909,975	1,908,464
BOSTON PROPERTIES LP SR UNSECURED 01/31 3.25	1,325,000	1,129,179	1,165,471
BOSTON PROPERTIES LP SR UNSECURED 03/30 2.9%	4,300,000	4,263,545	3,796,939
BOSTON PROPERTIES LP SR UNSECURED 06/29 3.4	1,425,000	1,283,690	1,307,397
BOSTON PROPERTIES LP SR UNSECURED 12/28 4.5%	2,100,000	1,998,015	2,043,810
BOSTON SCIENTIFIC CORP SR UNSECURED 06/30 2.65%	2,900,000	2,984,545	2,588,357
BOURZOU ISSUER LLC, JAMSHID IS CLDCD 2024 1A A2 144A	1,588,000	1,588,000	1,587,378
BOURZOU ISSUER LLC, JAMSHID IS CLDCD 2024 2A A2 144A	1,028,000	1,028,000	1,028,607
BOXER PARENT COMPANY INC 2024 USD TERM LOAN B due 07/30/31	2,185,701	2,178,861	2,201,853
BOYD GAMING CORP COMPANY GUAR 12/27 4.75%	895,000	860,348	865,280
BOYD GAMING CORP COMPANY GUAR 144A 06/31 4.75%	1,214,000	1,143,992	1,123,167
BOYNE USA INC SR UNSECURED 144A 05/29 4.75%	1,154,000	1,123,911	1,093,847
BP CAP MARKETS AMERICA COMPANY GUAR 02/50 3%	1,080,000	721,612	687,776
BP CAP MARKETS AMERICA COMPANY GUAR 04/30 3.633%	310,000	295,818	292,208
BP CAP MARKETS AMERICA COMPANY GUAR 09/25 3.796%	1,594,000	1,583,309	1,586,806
BP CAP MARKETS AMERICA COMPANY GUAR 11/27 5.017	2,660,000	2,660,142	2,688,862
BP CAP MARKETS AMERICA COMPANY GUAR 11/28 4.234%	675,000	675,000	660,782
BP CAP MARKETS AMERICA COMPANY GUAR 11/34 5.227	5,150,000	5,134,353	5,076,675
BP CAPITAL MARKETS BV COMPANY GUAR REGS 05/35 4.323%	520,000	569,686	566,643
BP CAPITAL MARKETS BV COMPANY GUAR REGS 09/31 3.36%	253,000	269,318	262,334
BP CAPITAL MARKETS PLC COMPANY GUAR REGS 12/99 VAR	100,000	100,880	103,032
BPCE SA 144A 01/32 VAR	1,425,000	1,253,727	1,164,246
BPCE SA 144A 05/35 VAR	8,005,000	8,007,403	7,935,157

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BPCE SA REGS 01/36 3.875	400,000	432,094	425,806
BPCE SA REGS 03/26 VAR	300,000	323,388	310,926
BPCE SA SUBORDINATED 144A 03/25 4.5	208,000	207,314	207,621
BPR TRUST BPR 2021 TY A 144A	70,000	69,567	69,743
BPR TRUST BPR 2022 OANA A 144A	1,555,000	1,557,025	1,560,831
BRACKEN MIDCO ONE SR UNSECURED REGS 11/27 VAR	100,000	129,692	122,644
BRAEMAR HOTELS + RESORTS TRUST BHR 2018 PRME D 144A	1,700,000	1,700,000	1,681,437
BRAND INDUSTRIAL SERVICE SR SECURED 144A 08/30 10.375%	992,000	1,003,557	1,009,660
BRAND INDUSTRIAL SERVICES INC 2024 TERM LOAN B due 08/01/30	1,668,687	1,668,687	1,619,110
BRANDYWINE OPER PARTNERS COMPANY GUAR 04/29 8.875	900,000	896,076	957,745
BRASKEM NETHERLANDS COMPANY GUAR 144A 01/31 8.5%	460,000	454,857	461,137
BRASKEM NETHERLANDS COMPANY GUAR 144A 10/34 8%	225,000	225,000	214,583
BRAVO RESIDENTIAL FUNDING TRUS BRAVO 2023 NQM6 A1 144A	651,975	651,925	658,492
BRAVO RESIDENTIAL FUNDING TRUS BRAVO 2024 NQM4 A1A 144A	1,103,787	1,053,938	1,062,965
BREAD FINANCIAL HLDGS COMPANY GUAR 144A 03/29 9.75%	530,000	560,935	569,612
BRIGHTHOUSE FINANCIAL IN SR UNSECURED 06/47 4.7%	4,000	3,256	3,106
BRINK S CO/THE COMPANY GUAR 144A 06/29 6.5	430,000	430,000	435,768
BRINK S CO/THE COMPANY GUAR 144A 06/32 6.75	2,412,000	2,412,000	2,429,646
BRINKER INTERNATIONAL IN COMPANY GUAR 144A 07/30 8.25%	2,890,000	2,943,122	3,051,863
BRISTOL MYERS SQUIBB CO SR UNSECURED 02/31 5.1	955,000	965,815	962,100
BRISTOL MYERS SQUIBB CO SR UNSECURED 02/54 5.55	180,000	184,564	174,668
BRISTOL MYERS SQUIBB CO SR UNSECURED 02/64 5.65	1,010,000	1,010,453	974,316
BRISTOL MYERS SQUIBB CO SR UNSECURED 03/32 2.95%	525,000	523,579	457,264
BRISTOL MYERS SQUIBB CO SR UNSECURED 06/39 4.125%	900,000	1,091,155	777,161
BRISTOL MYERS SQUIBB CO SR UNSECURED 07/29 3.4%	7,000	6,679	6,608
BRISTOL MYERS SQUIBB CO SR UNSECURED 11/25 0.75%	2,612,000	2,532,037	2,530,299
BRISTOL PARK CLO, LTD. BRIST 2016 1A BR 144A	1,500,000	1,491,431	1,501,503
BRITISH AIR 19 1 A PTT PASS THRU CE 144A 12/30 3.35%	204,040	182,221	192,207
BRITISH AIR 19 1 AA PTT PASS THRU CE 144A 06/34 3.3%	233,716	221,914	214,187
BRITISH COLUMBIA PROV OF SR UNSECURED 06/34 4.75	4,745,000	4,714,778	4,670,466
BRITISH TELECOMMUNICATIO COMPANY GUAR 144A 11/81 VAR	200,000	199,500	193,114
BRITISH TELECOMMUNICATIO COMPANY GUAR REGS 06/27 1.5%	597,000	611,685	600,406
BRITISH TELECOMMUNICATIO COMPANY GUAR REGS 08/27 2.75%	1,462,000	1,550,801	1,515,647
BRITISH TELECOMMUNICATIO COMPANY GUAR REGS 10/54 VAR	100,000	114,106	107,304
BRITISH TELECOMMUNICATIO COMPANY GUAR REGS 12/83 VAR	100,000	125,486	133,694
BRIXMOR OPERATING PART SR UNSECURED 05/29 4.125%	900,000	952,098	863,912
BROADCOM CRP / CAYMN FI COMPANY GUAR 01/27 3.875%	263,000	273,383	258,913
BROADCOM INC COMPANY GUAR 04/29 4.75%	923,000	914,788	917,010
BROADCOM INC COMPANY GUAR 11/25 3.15%	1,150,000	1,148,504	1,135,042
BROADCOM INC COMPANY GUAR 11/30 4.15%	1,159,000	1,095,328	1,108,620
BROADCOM INC COMPANY GUAR 11/32 4.3%	1,300,000	1,439,978	1,226,379
BROADCOM INC COMPANY GUAR 144A 02/31 2.45%	679,000	591,452	585,664
BROADCOM INC COMPANY GUAR 144A 02/33 2.6%	1,370,000	1,063,159	1,132,730
BROADCOM INC COMPANY GUAR 144A 02/41 3.5%	1,300,000	1,296,178	1,015,638
BROADCOM INC COMPANY GUAR 144A 02/51 3.75%	525,000	396,211	391,420
BROADCOM INC SR UNSECURED 07/29 5.05%	2,190,000	2,187,371	2,197,709
BROADCOM INC SR UNSECURED 10/34 4.8%	734,000	715,245	708,377
BROADCOM INC SR UNSECURED 11/31 5.15%	3,289,000	3,311,648	3,311,999
BROADCOM INC SR UNSECURED 144A 04/29 4%	1,000,000	999,685	962,685
BROADCOM INC SR UNSECURED 144A 04/32 4.15%	1,692,000	1,686,278	1,587,784
BROADCOM INC SR UNSECURED 144A 04/33 3.419%	3,620,000	3,243,087	3,169,510
BROADCOM INC SR UNSECURED 144A 04/34 3.469%	2,044,000	1,843,851	1,771,988
BROADCOM INC SR UNSECURED 144A 05/37 4.926%	760,000	762,036	723,254
BROADCOM INC SR UNSECURED 144A 11/35 3.137%	6,286,000	5,530,357	5,134,577
BROADCOM INC SR UNSECURED 144A 11/36 3.187%	12,618,000	10,468,084	10,167,803
BROADSTONE NET LEASE LLC COMPANY GUAR 09/31 2.6%	400,000	399,486	330,427
BROADSTREET PARTNERS INC 2024 TERM LOAN B4 due 06/13/31	999,000	1,002,249	1,001,448
BROADSTREET PARTNERS INC SR UNSECURED 144A 04/29 5.875%	784,000	750,661	758,506
BROCK HOLDINGS III INC 2024 TERM LOAN B due 05/02/30	1,804,023	1,777,485	1,810,030
BROOKFIELD FINANCE INC COMPANY GUAR 01/55 VAR	590,000	590,000	576,908
BROOKFIELD RESID PROPERT COMPANY GUAR 144A 02/30 4.875%	602,000	612,110	543,586

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BROOKFIELD RESID PROPERT COMPANY GUAR 144A 09/27 6.25%	505,000	508,646	500,655
BROOKFIELD RETAIL HLDGS VII SU TERM LOAN B due 08/27/25	1,160,874	1,157,480	1,158,935
BRYANT PARK FUNDING LTD BRYPK 2023 21A A1 144A	285,000	288,831	287,134
BUBBLES HOLDCO SPA SR SECURED REGS 09/31 6.5%	125,000	138,975	130,086
BUBBLES HOLDCO SPA SR SECURED REGS 09/31 VAR	122,000	134,979	126,079
BUCKEYE PARTNERS LP SR UNSECURED 10/44 5.6%	265,000	248,683	217,199
BUCKEYE PARTNERS LP SR UNSECURED 12/26 3.95	3,000	2,888	2,888
BUCKEYE PARTNERS LP SR UNSECURED 144A 03/25 4.125%	329,000	329,094	328,121
BUCKEYE PARTNERS LP SR UNSECURED 144A 03/28 4.5%	255,000	247,086	241,860
BUCKEYE PARTNERS LP SR UNSECURED 144A 07/29 6.875	750,000	750,000	759,026
BUILDERS FIRTSOURCE INC COMPANY GUAR 144A 02/32 4.25%	1,560,000	1,487,599	1,377,656
BUILDERS FIRTSOURCE INC COMPANY GUAR 144A 06/32 6.375%	1,019,000	1,030,567	1,013,216
BULGARIA SR UNSECURED REGS 03/37 5%	230,000	224,368	215,509
BULLDOG PURCHASER INC 2024 TERM LOAN B due 06/13/31	48,754	48,528	49,038
BULLDOG PURCHASER INC 2024 TERM LOAN due 06/30/31	44,998	44,998	45,260
BUNGE LTD FINANCE CORP COMPANY GUAR 09/29 4.2%	4,754,000	4,727,682	4,611,576
BUNGE LTD FINANCE CORP COMPANY GUAR 09/34 4.65%	4,339,000	4,294,743	4,098,664
BURFORD CAPITAL GLBL FIN COMPANY GUAR 144A 04/28 6.25%	200,000	200,000	199,948
BURLINGTN NORTH SANTA FE SR UNSECURED 03/41 5.05%	85,000	87,245	80,457
BURLINGTN NORTH SANTA FE SR UNSECURED 03/55 5.5	199,000	198,597	196,092
BURLINGTN NORTH SANTA FE SR UNSECURED 04/54 5.2	333,000	328,665	314,076
BURLINGTN NORTH SANTA FE SR UNSECURED 05/40 5.75%	575,000	777,368	590,772
BURLINGTN NORTH SANTA FE SR UNSECURED 06/52 2.875%	52,000	39,333	32,417
BURLINGTN NORTH SANTA FE SR UNSECURED 09/51 3.3	305,000	217,398	209,458
BURLINGTN NORTH SANTA FE SR UNSECURED 12/48 4.15%	255,000	268,000	204,738
BUSINESS JET SECURITIES, LLC BJETS 2024 1A A 144A	2,049,216	2,049,184	2,067,614
BUSINESS JET SECURITIES, LLC BJETS 2024 2A A 144A	719,516	719,500	703,185
BWAY MORTGAGE TRUST BWAY 2013 1515 XA 144A	19,873,766	310,727	257,844
BWAY MORTGAGE TRUST BWAY 2013 1515 XB 144A	25,410,000	318,881	318,453
BWX TECHNOLOGIES INC COMPANY GUAR 144A 06/28 4.125%	200,000	201,027	187,254
BX TRUST 2019 OC11 BX 2019 OC11 A 144A	184,000	191,146	166,162
BX TRUST BX 2019 IMC A 144A	1,257,515	1,248,975	1,248,292
BX TRUST BX 2020 VIV2 C 144A	240,000	248,071	213,151
BX TRUST BX 2020 VIV4 A 144A	125,000	128,139	110,070
BX TRUST BX 2020 VIVA D 144A	990,000	878,079	876,323
BX TRUST BX 2021 ARIA C 144A	500,000	498,009	498,594
BX TRUST BX 2021 ARIA D 144A	500,000	498,006	498,594
BX TRUST BX 2021 BXMF A 144A	383,812	378,452	382,133
BX TRUST BX 2021 CIP D 144A	665,005	653,610	663,343
BX TRUST BX 2021 LBA AJV 144A	1,120,000	1,068,353	1,120,000
BX TRUST BX 2021 LBA AV 144A	1,265,296	1,224,335	1,264,900
BX TRUST BX 2021 MFM1 D 144A	546,000	532,125	544,517
BX TRUST BX 2021 SOAR F 144A	876,738	869,784	877,286
BX TRUST BX 2021 VIEW A 144A	2,950,000	2,916,939	2,935,617
BX TRUST BX 2021 VIEW D 144A	505,000	505,000	498,824
BX TRUST BX 2021 VINO C 144A	525,000	514,780	523,852
BX TRUST BX 2021 VIV5 A 144A	1,012,000	1,041,249	889,876
BX TRUST BX 2021 VOLT D 144A	3,500,035	3,485,218	3,491,343
BX TRUST BX 2021 VOLT F 144A	700,000	690,301	698,688
BX TRUST BX 2021 XL2 D 144A	476,000	473,628	474,810
BX TRUST BX 2021 XL2 E 144A	910,000	898,865	907,725
BX TRUST BX 2023 DELC A 144A	584,000	582,652	588,380
BX TRUST BX 2023 DELC B 144A	1,200,000	1,206,219	1,209,750
BX TRUST BX 2023 LIFE C 144A	1,118,000	1,063,745	1,057,555
BX TRUST BX 2023 VLT3 A 144A	2,325,000	2,320,353	2,319,225
BX TRUST BX 2023 XL3 A 144A	662,375	665,265	665,066
BX TRUST BX 2024 AIR2 A 144A	540,000	538,666	542,025
BX TRUST BX 2024 AIRC A 144A	3,810,000	3,800,667	3,836,229
BX TRUST BX 2024 AIRC B 144A	1,015,000	1,012,513	1,019,441
BX TRUST BX 2024 BIO A 144A	4,531,000	4,520,129	4,535,248
BX TRUST BX 2024 BIO C 144A	1,200,000	1,198,197	1,186,560

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
BX TRUST BX 2024 BIO2 C 144A	1,071,000	1,070,956	1,058,060
BX TRUST BX 2024 BIO2 D 144A	620,000	614,174	607,549
BX TRUST BX 2024 BRBK A 144A	1,003,549	998,576	1,009,733
BX TRUST BX 2024 BRBK B 144A	160,000	159,207	160,500
BX TRUST BX 2024 BRVE A 144A	2,350,000	2,346,128	2,357,742
BX TRUST BX 2024 BRVE B 144A	1,525,000	1,522,485	1,527,855
BX TRUST BX 2024 GPA3 A 144A	1,090,000	1,087,280	1,090,335
BX TRUST BX 2024 KING A 144A	532,983	531,720	533,316
BX TRUST BX 2024 MF B 144A	292,200	291,504	293,113
BX TRUST BX 2024 PALM A 144A	346,154	345,313	346,803
BX TRUST BX 2024 PAT A 144A	660,000	658,392	662,039
BX TRUST BX 2024 PAT B 144A	1,170,000	1,167,161	1,172,528
BX TRUST BX 2024 VLT4 A 144A	520,000	518,828	522,113
BX TRUST BX 2024 VLT4 E 144A	2,204,000	2,204,908	2,213,643
BX TRUST BX 2024 XL4 A 144A	3,716,964	3,708,114	3,732,064
BX TRUST BX 2024 XL5 A 144A	1,424,806	1,421,375	1,430,594
BX TRUST BX 2024 XL5 D 144A	2,174,752	2,169,503	2,174,752
BXHPP TRUST BXHPP 2021 FILM B 144A	810,000	772,346	768,061
BXP TRUST BXP 2017 GM D 144A	1,365,000	1,134,634	1,267,593
BXP TRUST BXP 2021 601L D 144A	1,540,000	1,178,208	1,160,545
C+W SENIOR FINANCE LTD SR UNSECURED 144A 09/27 6.875%	200,000	196,535	197,675
CABLEVISION LIGHTPATH SR SECURED 144A 09/27 3.875%	2,471,000	2,392,762	2,339,235
CABLEVISION LIGHTPATH SR UNSECURED 144A 09/28 5.625%	2,436,000	2,236,589	2,259,811
CADENCE DESIGN SYS INC SR UNSECURED 09/29 4.3%	1,480,000	1,478,017	1,450,602
CADENCE DESIGN SYS INC SR UNSECURED 09/34 4.7%	4,462,000	4,485,863	4,279,439
CAESARS ENTERTAIN INC COMPANY GUAR 144A 10/32 6%	2,329,000	2,322,971	2,245,548
CAESARS ENTERTAIN INC SR SECURED 144A 02/30 7%	758,000	758,000	772,061
CAESARS ENTERTAIN INC SR SECURED 144A 02/32 6.5	3,466,000	3,481,553	3,481,644
CAESARS ENTERTAIN INC SR UNSECURED 144A 07/27 8.125%	36,000	36,120	36,360
CAESARS ENTERTAIN INC SR UNSECURED 144A 10/29 4.625%	1,063,000	1,033,810	995,242
CAESARS ENTERTAINMENT CORP TERM LOAN B due 02/06/30	2,481,259	2,469,565	2,480,217
CAESARS ENTERTAINMENT INC. 2024 TERM LOAN B1 due 02/06/31	3,102,806	3,098,139	3,103,768
CAIRN CLO BV CRNCL 2023 16X D REGS	100,000	108,355	106,205
CAIXABANK SA JR SUBORDINA REGS 12/99 VAR	200,000	204,155	212,795
CALI MORTGAGE TRUST CALI 2024 SUN A 144A	880,000	877,847	883,300
CALIFORNIA BUYER/ATLANTI SR UNSECURED 144A 02/32 6.375%	869,000	869,000	866,694
CALIFORNIA BUYER/ATLANTI SR UNSECURED REGS 02/32 5.625%	113,000	121,758	121,841
CALIFORNIA RESOURCES CRP COMPANY GUAR 144A 06/29 8.25	715,000	725,094	725,044
CALIFORNIA ST CAS 04/34 FIXED 7.5%	165,000	208,536	188,242
CALIFORNIA ST CAS 04/39 FIXED 7.55%	950,000	1,151,492	1,122,932
CALIFORNIA ST CAS 10/39 FIXED 7.3%	3,250,000	3,924,081	3,700,470
CALIFORNIA ST CAS 11/40 FIXED 7.6%	1,595,000	2,333,773	1,899,390
CALIFORNIA ST PUBLIC WKS BRD L CASFAC 03/35 FIXED 7.804%	3,000,000	3,084,687	3,338,600
CALPINE CONSTRUCTION FINANCE 2023 REFINANCING TERM LOAN B due 07/31/30	725,000	721,507	722,782
CALPINE CORP SR SECURED 144A 02/28 4.5%	2,737,000	2,737,002	2,625,095
CALPINE CORP SR SECURED 144A 03/31 3.75%	302,000	290,720	269,925
CALPINE CORP SR SECURED 144A 06/26 5.25%	33,000	32,722	32,959
CALPINE CORP SR UNSECURED 144A 02/29 4.625%	144,000	144,400	135,929
CALPINE CORP SR UNSECURED 144A 02/31 5%	2,708,000	2,498,610	2,546,574
CALPINE CORP SR UNSECURED 144A 03/28 5.125%	868,000	870,278	841,783
CAMELOT RETURN MERGER SU SR SECURED 144A 08/28 8.75%	562,000	546,415	538,538
CAMELOT U S ACQUISITION LLC 2024 TERM LOAN B due 01/31/31	185,977	186,800	185,687
CAMERON LNG LLC SR SECURED 144A 01/35 3.302%	1,219,000	1,080,846	1,006,236
CAMERON LNG LLC SR SECURED 144A 01/38 3.402%	861,000	781,047	714,737
CAMERON LNG LLC SR SECURED 144A 07/31 2.902%	150,000	133,241	130,640
CAMPBELL SOUP CO SR UNSECURED 03/34 5.4	1,128,000	1,124,121	1,122,644
CANADIAN IMPERIAL BANK SR UNSECURED 04/25 5.144	15,000,000	14,990,660	15,024,288
CANADIAN IMPERIAL BANK SR UNSECURED 08/25 3.945	5,000,000	4,963,717	4,980,396
CANADIAN NATL RESOURCES SR UNSECURED 144A 12/29 5%	2,663,000	2,659,638	2,635,474
CANADIAN NATL RESOURCES SR UNSECURED 144A 12/34 5.4%	1,520,000	1,517,539	1,478,421
CANADIAN PACIFIC RAILWAY COMPANY GUAR 03/30 2.05%	475,000	474,489	412,696

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CANADIAN PACIFIC RAILWAY COMPANY GUAR 05/50 3.5	1,300,000	1,024,248	922,511
CANTOR COMMERCIAL REAL ESTATE CF 2019 CF3 B	180,000	184,732	149,880
CANTOR FITZGERALD LP SR UNSECURED 144A 12/28 7.2%	800,000	798,731	836,094
CANYON CAPITAL CLO LTD CANYC 2016 1A CR 144A	250,000	250,032	250,356
CANYON CAPITAL CLO LTD CANYC 2020 3A BR 144A	500,000	500,000	506,247
CAPITAL ONE FINANCIAL CO SR UNSECURED 02/29 VAR	3,100,000	3,119,884	3,121,283
CAPITAL ONE FINANCIAL CO SR UNSECURED 03/26 VAR	2,725,000	2,679,529	2,713,500
CAPITAL ONE FINANCIAL CO SR UNSECURED 05/28 VAR	1,475,000	1,475,000	1,470,143
CAPITAL ONE FINANCIAL CO SR UNSECURED 05/33 VAR	1,556,000	1,549,674	1,515,525
CAPITAL ONE FINANCIAL CO SR UNSECURED 07/30 VAR	530,000	532,077	528,311
CAPITAL ONE FINANCIAL CO SR UNSECURED 07/35 VAR	1,830,000	1,844,987	1,841,143
CAPITAL ONE FINANCIAL CO SR UNSECURED 10/31 VAR	1,600,000	1,695,804	1,766,926
CAPITAL ONE FINANCIAL CO SUBORDINATED 10/25 4.2%	2,800,000	2,800,114	2,781,702
CAPITAL ONE PRIME AUTO RECEIVA COPAR 2022 1 A3	3,281,700	3,244,691	3,256,919
CAPITAL ONE PRIME AUTO RECEIVA COPAR 2024 1 A2A	9,979,000	9,978,594	9,991,569
CAPSTONE BORROWER INC SR SECURED 144A 06/30 8%	1,517,000	1,529,726	1,570,262
CARDENAS MARKETS INC 2022 TERM LOAN due 08/01/29	814,382	798,810	771,969
CARDINAL HEALTH INC SR UNSECURED 11/34 5.35%	1,950,000	1,944,573	1,909,125
CARGILL INC SR UNSECURED 144A 04/33 4.75%	650,000	648,369	631,555
CARGO AIRCRAFT MANAGEMEN COMPANY GUAR 144A 02/28 4.75%	502,000	502,492	497,952
CARLYLE C17 CLO CGMS C17A A2R 144A	5,150,000	5,150,000	5,165,658
CARLYLE GLOBAL MARKET STRATEGI CGMS 2013 3A A2R 144A	8,500,000	8,473,098	8,518,711
CARLYLE GLOBAL MARKET STRATEGI CGMS 2014 1A BR2 144A	320,000	321,060	320,245
CARLYLE GLOBAL MARKET STRATEGI CGMS 2015 1A AR3 144A	427,211	427,495	427,770
CARLYLE GLOBAL MARKET STRATEGI CGMS 2021 8A B 144A	250,000	250,642	250,256
CARMAX AUTO OWNER TRUST CARMX 2022 4 A3	2,280,205	2,278,456	2,291,565
CARMAX AUTO OWNER TRUST CARMX 2023 1 A3	606,317	604,899	607,318
CARMAX AUTO OWNER TRUST CARMX 2024 1 A2A	2,638,901	2,638,823	2,645,975
CARMAX AUTO OWNER TRUST CARMX 2024 4 A2A	6,202,000	6,201,930	6,211,694
CARNIVAL CORP COMPANY GUAR 144A 03/26 7.625%	641,000	640,640	641,937
CARNIVAL CORP COMPANY GUAR 144A 05/29 6%	1,735,000	1,559,242	1,730,895
CARNIVAL CORP SR SECURED 144A 08/28 4%	2,407,000	2,362,857	2,281,344
CARNIVAL CORP SR SECURED 144A 08/29 7%	642,000	642,000	667,788
CARNIVAL CORPORATION 2023 TERM LOAN B due 08/08/27	134,256	134,630	134,969
CARNIVAL CORPORATION 2024 TERM LOAN B1 due 10/18/28	684,098	685,908	687,662
CARNIVAL CORPORATION 2024 TERM LOAN B2 due 08/08/27	213,736	213,736	214,871
CARNIVAL HLDGS BM LTD COMPANY GUAR 144A 05/28 10.375%	249,000	246,610	265,281
CARPENTER TECHNOLOGY SR UNSECURED 03/30 7.625%	145,000	146,390	148,517
CARRIAGE SERVICES INC COMPANY GUAR 144A 05/29 4.25%	2,150,000	1,871,663	1,958,079
CARRIER GLOBAL CORP SR UNSECURED 02/27 2.493%	300,000	300,000	286,844
CARRIER GLOBAL CORP SR UNSECURED 02/30 2.722%	10,007,000	8,804,876	8,949,471
CARRIER GLOBAL CORP SR UNSECURED 02/31 2.7%	30,000	26,585	26,037
CARRIER GLOBAL CORP SR UNSECURED 03/34 5.9	4,705,000	4,888,874	4,872,954
CARRIER GLOBAL CORP SR UNSECURED 05/28 4.125	815,000	902,282	878,171
CARROLL COUNTY ENERGY LLC 2024 TERM LOAN B due 06/24/31	109,990	108,967	110,711
CART CONE 2024 DFW1 A 144A	1,341,000	1,337,711	1,347,705
CART CONE 2024 DFW1 D 144A	721,000	719,230	721,000
CART CONE 2024 DFW1 E 144A	105,000	104,742	104,869
CARVAL CLO LTD CARVL 2021 2A D 144A	250,000	250,000	253,444
CARVAL CLO LTD CARVL 2022 2A A1R 144A	750,000	752,967	755,242
CARVANA AUTO RECEIVABLES 08/27 5.96	694,822	695,005	698,070
CARVANA AUTO RECEIVABLES TRUST CRVNA 2023 N1 A 144A	138,217	138,437	138,528
CARVANA AUTO RECEIVABLES TRUST CRVNA 2023 P1 A3 144A	381,509	382,457	384,227
CARVANA AUTO RECEIVABLES TRUST CRVNA 2024 N3 A2 144A	500,000	499,978	500,511
CARVANA AUTO RECEIVABLES TRUST CRVNA 2024 P2 A2	372,146	372,171	373,902
CARVANA CO SR SECURED 144A 06/30 13%	675,000	728,271	741,118
CARVANA CO SR SECURED 144A 12/28 12%	85,942	88,966	91,766
CASCADES INC/USA INC COMPANY GUAR 144A 01/28 5.375%	1,775,000	1,766,379	1,722,302
CASSA DEPOSITI E PRESTIT SR UNSECURED 144A 05/26 5.75%	200,000	199,822	201,411
CAST CREW LLC 2021 INCREMENTAL TERM LOAN due 12/29/28	146,594	146,606	141,853
CASTLELAKE AVIATION ONE DSGNTD TERM LOAN B due 10/22/26	1,064,250	1,063,748	1,065,846

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CATERPILLAR FINL SERVICE SR UNSECURED 01/26 4.8%	2,073,000	2,081,800	2,078,733
CATERPILLAR FINL SERVICE SR UNSECURED 05/25 1.45	8,445,000	8,325,533	8,352,363
CATERPILLAR FINL SERVICE SR UNSECURED 10/26 4.45%	1,285,000	1,284,225	1,285,291
CATERPILLAR INC SR UNSECURED 04/50 3.25%	375,000	278,649	259,551
CCG RECEIVABLES TRUST CCG 2023 1 A2 144A	5,744,411	5,759,890	5,775,346
CCI BUYER INC TERM LOAN due 12/17/27	1,220,808	1,211,475	1,220,368
CCM MERGER INC SR UNSECURED 144A 05/26 6.375%	550,000	549,019	548,610
CCO HLDGS LLC/CAP CORP SR UNSECURED 05/32 4.5%	6,093,000	5,663,990	5,240,972
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 01/34 4.25%	3,481,000	2,933,733	2,824,100
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 02/28 5%	1,527,000	1,472,397	1,471,866
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 02/31 4.25%	2,022,000	1,844,268	1,762,224
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 02/32 4.75%	500,000	475,341	438,839
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 03/30 4.75%	3,999,000	4,024,113	3,651,752
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 03/31 7.375	100,000	101,547	101,948
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 05/27 5.125%	350,000	333,305	343,917
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 06/29 5.375	14,000	12,892	13,374
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 06/33 4.5%	7,864,000	6,802,031	6,616,673
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 08/30 4.5%	2,520,000	2,423,121	2,261,942
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 09/29 6.375%	4,338,000	4,330,637	4,300,917
CD COMMERCIAL MORTGAGE TRUST CD 2016 CD1 XA	9,416,679	528,394	109,661
CD+R FIREFLY BIDCO LTD SR SECURED REGS 04/29 8.625	200,000	262,580	261,125
CD+R FIREFLY BIDCO LTD SR SECURED REGS 04/29 8.625%	112,000	146,284	144,477
CD+R HYDRA BUYER INC 2024 TERM LOAN B due 03/25/31	166,481	166,764	166,814
CD+R SMOKEY / RADIO SYS SR SECURED 144A 10/29 9.5%	685,000	687,317	674,367
CDW LLC/CDW FINANCE COMPANY GUAR 02/29 3.25%	1,100,000	1,053,140	1,013,325
CDW LLC/CDW FINANCE COMPANY GUAR 12/26 2.67%	518,000	503,303	496,670
CEDACRI MERGECO SPA SR SECURED REGS 05/28 VAR	311,000	333,316	322,886
CEDAR FAIR LP COMPANY GUAR 07/29 5.25%	1,289,000	1,211,373	1,238,968
CEDAR FAIR/CAN/MAGNUM/MI COMPANY GUAR 04/27 5.375%	272,000	267,937	269,096
CEDAR FAIR/CAN/MAGNUM/MI COMPANY GUAR 10/28 6.5%	613,000	594,524	614,382
CEDAR FUNDING LTD CEDF 2013 1A BRR 144A	800,000	754,192	800,406
CEDAR FUNDING LTD CEDF 2018 7A DR 144A	600,000	600,000	603,309
CEDAR FUNDING LTD CEDF 2021 14A B1R 144A	500,000	500,000	502,396
CEDR TRUST CEDR 2022 SNAI A 144A	690,000	679,830	659,739
CELANESE US HOLDINGS LLC COMPANY GUAR 11/28 6.35	2,150,000	2,198,763	2,202,152
CELLNEX FINANCE CO SA COMPANY GUAR REGS 02/33 2%	100,000	89,004	92,112
CELLNEX TELECOM SA SR UNSECURED REGS 06/29 1.875%	100,000	96,483	97,961
CELLNEX TELECOM SA SR UNSECURED REGS 08/30 2.125%	100,000	101,504	108,692
CELLNEX TELECOM SA SR UNSECURED REGS 11/31 0.75% CONVERTIBLE	100,000	91,927	91,024
CELLULOSA ARAUCO CONSTITU SR UNSECURED 144A 01/30 4.2%	220,000	201,362	204,298
CEMEX SAB DE CV SUBORDINATED REGS 12/99 VAR	570,000	585,286	587,595
CENGAGE LEARNING, INC 2024 TERM LOAN B due 03/22/31	199,000	197,228	199,800
CENT TRUST 2023 CITY CENT 2023 CITY A 144A	872,742	875,699	876,015
CENT TRUST 2023 CITY CENT 2023 CITY B 144A	830,000	830,000	829,992
CENTENE CORP SR UNSECURED 02/30 3.375%	1,047,000	950,565	932,542
CENTENE CORP SR UNSECURED 03/31 2.5%	1,626,000	1,365,855	1,344,875
CENTENE CORP SR UNSECURED 08/31 2.625%	5,668,000	5,114,750	4,671,679
CENTENE CORP SR UNSECURED 10/30 3%	6,383,000	5,651,375	5,509,223
CENTENE CORP SR UNSECURED 12/27 4.25%	312,000	302,495	302,703
CENTENE CORP SR UNSECURED 12/29 4.625%	290,000	278,793	274,262
CENTRAL CHN REAL ESTATE SR SECURED 11/25 7.9%	3,300,000	389,305	156,750
CENTRAL CHN REAL ESTATE SR SECURED REGS 05/24 7.75%	1,910,000	1,910,000	81,175
CENTRAL CHN REAL ESTATE SR SECURED REGS 07/24 7.25%	4,400,000	4,400,000	201,300
CENTRAL CHN REAL ESTATE SR SECURED REGS 08/23 7.65%	1,200,000	1,200,000	63,000
CENTRAL PARENT INC 2024 TERM LOAN B due 07/06/29	1,447,298	1,447,298	1,425,776
CENTRICA PLC SUBORDINATED REGS 05/55 VAR	100,000	127,642	126,968
CENTURY COMMUNITIES COMPANY GUAR 06/27 6.75%	250,000	251,181	250,144
CF INDUSTRIES INC COMPANY GUAR 03/44 5.375%	410,000	514,984	381,704
CF INDUSTRIES INC COMPANY GUAR 06/43 4.95%	1,285,000	1,548,684	1,132,847
CHAMP ACQUISITION CORPORATION 2024 TERM LOAN B due 11/25/31	900,000	894,809	905,247
CHARLES RIVER LABORATORI COMPANY GUAR 144A 03/29 3.75%	189,000	188,545	173,414

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CHARLES RIVER LABORATORI COMPANY GUAR 144A 03/31 4%	674,000	659,745	600,432
CHARLES RIVER LABORATORI COMPANY GUAR 144A 05/28 4.25%	26,000	26,246	24,667
CHARLES SCHWAB CORP JR SUBORDINA 12/99 VAR	1,428,000	1,391,014	1,419,079
CHARLES SCHWAB CORP SR UNSECURED 05/29 VAR	1,025,000	1,025,000	1,045,835
CHARLES SCHWAB CORP SR UNSECURED 05/34 VAR	525,000	525,000	540,898
CHARLES SCHWAB CORP SR UNSECURED 08/26 5.875%	1,120,000	1,142,759	1,139,302
CHARLES SCHWAB CORP SR UNSECURED 08/34 VAR	2,640,000	2,725,284	2,773,611
CHARLES SCHWAB CORP SR UNSECURED 11/29 VAR	2,150,000	2,150,000	2,240,635
CHARLOTTE BUYER, INC. 2024 TERM LOAN B due 02/11/28	812,625	813,167	816,891
CHART INDUSTRIES INC 2024 TERM LOAN B due 03/15/30	530,402	530,402	531,951
CHART INDUSTRIES INC COMPANY GUAR 144A 01/31 9.5%	1,533,000	1,553,402	1,642,783
CHART INDUSTRIES INC SR SECURED 144A 01/30 7.5%	1,905,000	1,904,936	1,980,586
CHARTER COMM OPETING LLC 2024 TERM LOAN B5 due 12/15/31	482,692	481,492	481,283
CHARTER COMM OPT LLC/CAP SR SECURED 02/28 3.75%	910,000	875,135	866,714
CHARTER COMM OPT LLC/CAP SR SECURED 03/29 5.05%	2,145,000	2,140,631	2,098,954
CHARTER COMM OPT LLC/CAP SR SECURED 03/42 3.5%	170,000	120,817	115,627
CHARTER COMM OPT LLC/CAP SR SECURED 04/33 4.4%	1,155,000	1,109,004	1,032,117
CHARTER COMM OPT LLC/CAP SR SECURED 04/38 5.375%	960,000	884,178	854,219
CHARTER COMM OPT LLC/CAP SR SECURED 04/48 5.75%	20,000	17,852	17,113
CHARTER COMM OPT LLC/CAP SR SECURED 04/51 3.7%	414,000	261,592	259,009
CHARTER COMM OPT LLC/CAP SR SECURED 04/53 5.25%	475,000	398,123	383,953
CHARTER COMM OPT LLC/CAP SR SECURED 04/61 3.85%	1,993,000	1,198,245	1,202,938
CHARTER COMM OPT LLC/CAP SR SECURED 04/63 5.5	10,000	8,349	7,971
CHARTER COMM OPT LLC/CAP SR SECURED 05/47 5.375%	50,000	42,786	41,084
CHARTER COMM OPT LLC/CAP SR SECURED 06/34 6.55	230,000	241,457	235,332
CHARTER COMM OPT LLC/CAP SR SECURED 06/52 3.9%	1,131,000	785,585	727,263
CHARTER COMM OPT LLC/CAP SR SECURED 06/62 3.95%	2,202,000	1,516,777	1,343,527
CHARTER COMM OPT LLC/CAP SR SECURED 07/25 4.908%	1,573,000	1,572,163	1,571,160
CHARTER COMM OPT LLC/CAP SR SECURED 07/49 5.125%	4,210,000	3,178,476	3,311,082
CHARTER COMM OPT LLC/CAP SR SECURED 10/45 6.484%	9,580,000	10,305,602	9,060,314
CHARTER COMM OPT LLC/CAP SR SECURED 11/26 6.15%	873,000	872,642	889,947
CHARTER COMM OPT LLC/CAP SR SECURED 12/61 4.4%	3,385,000	2,432,633	2,258,124
CHARTER NEX US INC 2024 TERM LOAN B1 due 11/29/30	970,372	970,372	974,671
CHASE AUTO CREDIT LINKED NOTES CACLN 2021 3 B 144A	240,971	240,971	238,904
CHASE MORTGAGE FINANCE CORPORA CHASE 2007 A1 5A1	27,221	27,097	26,238
CHASE MORTGAGE FINANCE CORPORA CHASE 2019 ATR2 A11 144A	57,722	57,369	54,936
CHASE MORTGAGE FINANCE CORPORA CHASE 2024 11 A4 144A	3,723,000	3,746,847	3,739,374
CHASE MORTGAGE FINANCE CORPORA CHASE 2024 2 A6A 144A	1,014,615	1,005,922	1,016,048
CHASE MORTGAGE FINANCE CORPORA CHASE 2024 3 A7 144A	200,000	201,234	196,731
CHASE MORTGAGE FINANCE CORPORA CHASE 2024 4 A6 144A	1,771,538	1,751,822	1,772,799
CHEMOURS CO COMPANY GUAR 05/27 5.375	1,045,000	1,011,091	1,005,825
CHEMOURS CO COMPANY GUAR 144A 01/33 8%	1,676,000	1,682,013	1,637,547
CHEMOURS CO COMPANY GUAR 144A 11/28 5.75	105,000	99,466	97,538
CHEMOURS CO COMPANY GUAR 144A 11/29 4.625	1,337,000	1,180,293	1,161,619
CHENIERE CORP CHRISTI HD SR SECURED 06/27 5.125%	4,944,000	4,972,154	4,970,911
CHENIERE CORP CHRISTI HD SR SECURED 11/29 3.7%	395,000	371,802	370,735
CHENIERE ENERGY INC SR UNSECURED 04/34 5.65%	1,598,000	1,603,472	1,612,949
CHENIERE ENERGY PARTNERS COMPANY GUAR 01/32 3.25%	1,347,000	1,311,097	1,167,970
CHENIERE ENERGY PARTNERS COMPANY GUAR 03/31 4%	3,812,000	3,591,464	3,527,283
CHENIERE ENERGY PARTNERS COMPANY GUAR 06/33 5.95	812,000	811,924	831,711
CHENIERE ENERGY PARTNERS COMPANY GUAR 10/29 4.5%	1,158,000	1,114,086	1,121,151
CHENIERE ENERGY PARTNERS COMPANY GUAR 144A 08/34 5.75	1,160,000	1,188,572	1,167,757
CHEPLAPHARM ARZNEIMITTEL SR SECURED 144A 01/28 5.5	1,160,000	1,120,043	1,050,097
CHEPLAPHARM ARZNEIMITTEL SR SECURED REGS 01/28 4.375%	200,000	246,318	192,189
CHEPLAPHARM ARZNEIMITTEL SR SECURED REGS 05/30 7.5	200,000	228,869	203,994
CHESAPEAKE ENERGY CORP COMPANY GUAR 144A 02/29 5.875%	627,000	619,729	619,758
CHESAPEAKE ENERGY CORP COMPANY GUAR 144A 04/29 6.75%	368,000	369,465	371,801
CHESAPEAKE FUNDING II LLC CFII 2023 2A A1 144A	629,529	629,476	638,700
CHESAPEAKE FUNDING II LLC CFII 2024 1A A1 144A	1,305,632	1,305,630	1,319,736
CHEVRON CORP SR UNSECURED 05/50 3.078%	677,000	467,179	448,763
CHEVRON USA INC COMPANY GUAR 08/50 2.343%	430,000	258,557	242,049

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CHEVY CHASE MORTGAGE FUNDING C CCMFC 2005 CA A2 144A	136,326	136,246	140,094
CHG PPC PARENT LLC 2021 TERM LOAN due 12/08/28	60,794	60,378	61,061
CHILE ELECTRICITY LUX GOVT GUARANT 144A 01/33 6.01%	1,037,375	1,037,397	1,045,975
CHINA GOVERNMENT BOND BONDS 02/32 2.75%	11,730,000	1,762,252	1,728,035
CHINA GOVERNMENT BOND BONDS 04/51 3.72%	3,970,000	657,052	728,301
CHINA GOVERNMENT BOND BONDS 05/34 2.27%	41,370,000	5,784,623	5,951,715
CHINA SCE GRP HLDGS LTD SR SECURED REGS 04/24 7.375%	1,050,000	1,050,000	58,275
CHNGE MORTGAGE TRUST CHNGE 2023 1 M1 144A	750,000	733,408	753,400
CHOBANI HOLDCO II LLC SR UNSECURED 144A 10/29 8.75%	1,053,000	1,058,047	1,113,567
CHOBANI LLC/FINANCE CORP SR UNSECURED 144A 07/29 7.625	122,000	122,000	126,158
CHOICE HOTELS INTL INC SR UNSECURED 08/34 5.85%	799,000	790,795	800,827
CHORD ENERGY CORP COMPANY GUAR 144A 06/26 6.375%	745,000	749,975	744,761
CHROMALLOY CORPORATION 2024 TERM LOAN B due 03/27/31	670,958	664,953	671,079
CHS/COMMUNITY HEALTH SYS SECURED 144A 04/29 6.875%	1,601,000	1,359,829	1,207,618
CHS/COMMUNITY HEALTH SYS SR SECURED 144A 01/32 10.875%	3,524,000	3,589,101	3,635,810
CHS/COMMUNITY HEALTH SYS SR SECURED 144A 02/31 4.75%	1,989,000	1,877,654	1,543,196
CHS/COMMUNITY HEALTH SYS SR SECURED 144A 03/27 5.625%	2,164,000	2,065,684	2,076,829
CHS/COMMUNITY HEALTH SYS SR SECURED 144A 05/30 5.25%	2,381,000	2,135,567	1,955,582
CHS/COMMUNITY HEALTH SYS SR SECURED 144A 12/27 8%	110,000	102,066	109,798
CHUBB INA HOLDINGS LLC COMPANY GUAR 03/25 3.15	5,440,000	5,415,012	5,422,040
CHURCHILL DOWNS INC COMPANY GUAR 144A 01/28 4.75%	78,000	78,546	75,241
CHURCHILL DOWNS INC COMPANY GUAR 144A 04/27 5.5	22,000	21,919	21,753
CHURCHILL DOWNS INC COMPANY GUAR 144A 05/31 6.75	1,786,000	1,786,310	1,805,307
CHURCHILL DOWNS INC SR UNSECURED 144A 04/30 5.75%	1,531,000	1,524,290	1,502,604
CI FINANCIAL CORP SR UNSECURED 144A 05/29 7.5	800,000	792,649	836,968
CIDRON AIDA FINCO SARL SR SECURED REGS 04/28 5%	100,000	103,713	101,686
CIDRON AIDA FINCO SARL SR SECURED REGS 04/28 6.25%	200,000	234,399	238,647
CIE GENERALE DES ESTABLI SR UNSECURED REGS 05/36 3.375%	300,000	314,418	308,731
CIENA CORP COMPANY GUAR 144A 01/30 4%	690,000	690,000	634,168
CIFC EUROPEAN FUNDING CIFCE 1X DR REGS	100,000	104,421	104,307
CIFC FUNDING LTD CIFC 2013 1A CR 144A	250,000	250,498	251,376
CIFC FUNDING LTD CIFC 2013 3RA B 144A	250,000	249,390	250,105
CIFC FUNDING LTD CIFC 2013 4A BRR 144A	350,000	350,084	350,797
CIFC FUNDING LTD CIFC 2014 3A BR2 144A	250,000	250,249	250,442
CIFC FUNDING LTD CIFC 2016 1A D1R3 144A	1,400,000	1,400,000	1,400,000
CIFC FUNDING LTD CIFC 2017 1A CRR 144A	250,000	250,000	253,864
CIFC FUNDING LTD CIFC 2017 2A AR 144A	146,361	145,730	146,547
CIFC FUNDING LTD CIFC 2017 5A AR 144A	530,000	530,521	531,675
CIFC FUNDING LTD CIFC 2021 3A C 144A	250,000	249,320	250,579
CIFC FUNDING LTD CIFC 2021 6A A 144A	500,000	500,672	500,818
CIGNA GROUP/THE COMPANY GUAR 05/27 7.875%	2,733,000	3,014,756	2,902,200
CIGNA GROUP/THE COMPANY GUAR 08/38 4.8	860,000	817,716	779,907
CIGNA GROUP/THE COMPANY GUAR 10/28 4.375%	980,000	969,718	960,372
CIGNA GROUP/THE COMPANY GUAR 12/48 4.9%	855,000	848,199	729,595
CIGNA GROUP/THE SR UNSECURED 02/54 5.6	4,909,000	4,823,628	4,603,542
CIGNA GROUP/THE SR UNSECURED 03/30 2.4%	2,465,000	2,201,543	2,156,917
CIGNA GROUP/THE SR UNSECURED 03/50 3.4%	1,257,000	930,147	827,727
CIGNA GROUP/THE SR UNSECURED 05/31 5.125	550,000	545,992	547,323
CIM TRUST CIM 2018 R3 A1 144A	317,072	315,511	315,952
CIM TRUST CIM 2019 INV3 A11 144A	167,139	166,807	159,937
CIM TRUST CIM 2020 R2 M2 144A	1,900,000	1,530,553	1,489,035
CIM TRUST CIM 2022 I1 A1 144A	1,047,501	994,824	1,018,322
CIMPRESS PLC COMPANY GUAR 144A 09/32 7.375%	430,000	431,730	426,685
CIMPRESS PUBLIC LTD COMPANY 2024 TERM LOAN B due 05/17/28	491,187	491,187	492,108
CINEMARK USA INC COMPANY GUAR 144A 07/28 5.25%	150,000	129,949	146,283
CINEMARK USA INC COMPANY GUAR 144A 08/32 7%	329,000	329,000	335,373
CIRSA FINANCE INTER SR SECURED REGS 07/28 7.875%	100,000	108,740	109,508
CIRSA FINANCE INTER SR SECURED REGS 07/28 VAR	100,000	107,048	104,813
CIT EDUCATION LOAN TRUST CITEL 2007 1 B 144A	545,774	512,347	497,388
CITGO PETROLEUM CORP SR SECURED 144A 06/25 7%	500,000	499,258	500,550
CITGO PETROLEUM CORP SR SECURED 144A 06/26 6.375%	1,065,000	1,067,137	1,066,065

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CITIBANK NA SR UNSECURED 09/25 5.864%	45,000,000	45,262,334	45,396,575
CITIGROUP CAPITAL XIII PREFERRED STOCK 10/40 VAR	407,875	10,630,110	12,224,014
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2013 375P A 144A	2,382,478	2,366,062	2,340,784
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2013 375P B 144A	575,000	556,479	559,187
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2015 P1 C	1,050,000	1,009,460	997,688
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2016 C2 A4	1,050,000	1,014,809	1,014,811
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2016 C3 A3	836,232	811,263	810,679
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2019 GC41 A5	788,000	729,191	708,599
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2020 420K D 144A	350,000	341,511	300,929
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2020 420K X 144A	6,400,000	380,155	252,653
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2022 GC48 A5	2,000,015	1,923,609	1,937,058
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2023 PRM3 C 144A	682,000	669,856	688,689
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2023 SMRT C 144A	820,000	812,721	815,031
CITIGROUP INC JR SUBORDINA 12/99 VAR	2,485,000	2,486,111	2,496,336
CITIGROUP INC SR UNSECURED 01/27 VAR	5,300,000	5,036,122	5,089,679
CITIGROUP INC SR UNSECURED 01/28 6.625%	56,000	59,300	58,920
CITIGROUP INC SR UNSECURED 01/28 VAR	2,300,000	2,275,341	2,254,780
CITIGROUP INC SR UNSECURED 01/31 VAR	575,000	513,613	508,693
CITIGROUP INC SR UNSECURED 01/33 VAR	4,695,000	4,587,001	4,034,112
CITIGROUP INC SR UNSECURED 02/28 VAR	165,000	159,494	158,658
CITIGROUP INC SR UNSECURED 03/31 VAR	630,000	616,128	605,563
CITIGROUP INC SR UNSECURED 03/33 VAR	770,000	709,306	691,476
CITIGROUP INC SR UNSECURED 04/26 VAR	888,000	880,485	883,740
CITIGROUP INC SR UNSECURED 04/29 VAR	1,380,000	1,353,051	1,338,727
CITIGROUP INC SR UNSECURED 05/26 3.4%	1,650,000	1,642,356	1,621,418
CITIGROUP INC SR UNSECURED 05/32 VAR	1,933,000	1,672,955	1,637,542
CITIGROUP INC SR UNSECURED 06/31 VAR	2,212,000	2,176,553	1,928,660
CITIGROUP INC SR UNSECURED 06/35 VAR	1,814,000	1,822,370	1,799,448
CITIGROUP INC SR UNSECURED 07/28 VAR	4,725,000	4,719,308	4,576,756
CITIGROUP INC SR UNSECURED 07/45 4.65%	1,392,000	1,271,016	1,216,191
CITIGROUP INC SR UNSECURED 07/48 4.65%	490,000	443,447	420,566
CITIGROUP INC SR UNSECURED 09/26 VAR	1,383,000	1,383,000	1,390,513
CITIGROUP INC SR UNSECURED 10/28 VAR	1,304,000	1,265,065	1,254,915
CITIGROUP INC SR UNSECURED 11/30 VAR	1,325,000	1,325,000	1,195,433
CITIGROUP INC SUBORDINATED 09/25 5.5%	520,000	522,362	522,084
CITIGROUP INC SUBORDINATED 09/27 4.45%	2,195,000	2,287,541	2,165,490
CITIGROUP MORTGAGE LOAN TRUST CMLTI 2005 6 A1	1,558	1,493	1,538
CITIGROUP MORTGAGE LOAN TRUST CMLTI 2005 6 A2	1,346	1,295	1,306
CITIGROUP MORTGAGE LOAN TRUST CMLTI 2007 OPX1 A1A	362,560	341,562	156,430
CITIGROUP MORTGAGE LOAN TRUST CMLTI 2018 RP1 M3 144A	1,800,000	1,443,350	1,491,557
CITIGROUP MORTGAGE LOAN TRUST CMLTI 2021 INV1 A3A 144A	3,916,080	3,980,754	3,125,216
CITIZENS AUTO RECEIVABLES TRUS CITZN 2024 2 A2A 144A	13,248,430	13,247,760	13,292,318
CITIZENS FINANCIAL GROUP JR SUBORDINA 12/99 VAR	500,000	500,000	496,369
CITY OF HOPE/THE SR SECURED 11/43 5.623%	220,000	276,129	209,668
CITYCON TREASURY BV SR UNSECURED REGS 03/30 5%	100,000	104,620	104,125
CIVITAS RESOURCES INC COMPANY GUAR 144A 07/28 8.375%	398,000	408,370	413,350
CIVITAS RESOURCES INC COMPANY GUAR 144A 07/31 8.75%	422,000	442,048	439,949
CIVITAS RESOURCES INC COMPANY GUAR 144A 10/26 5	350,000	343,068	344,396
CIVITAS RESOURCES INC COMPANY GUAR 144A 11/30 8.625%	857,000	877,247	897,489
CLARIOS GLOBAL LP 2024 TERM LOAN B due 05/06/30	498,750	498,750	500,246
CLARIOS GLOBAL LP/US FIN SR SECURED 144A 05/26 6.25%	250,000	250,266	249,934
CLARIOS GLOBAL LP/US FIN SR SECURED 144A 05/28 6.75%	1,832,000	1,830,609	1,865,259
CLARIOS GLOBAL LP/US FIN SR SECURED REGS 05/26 4.375%	200,000	243,440	207,046
CLARIV SCI HLD CORP COMPANY GUAR 144A 07/29 4.875%	657,000	622,255	612,463
CLARIV SCI HLD CORP SR SECURED 144A 07/28 3.875%	949,000	910,019	884,043
CLEAN HARBORS INC COMPANY GUAR 144A 02/31 6.375%	159,000	162,309	160,078
CLEAN HARBORS INC COMPANY GUAR 144A 07/27 4.875	3,000	2,955	2,939
CLEAR CHANNEL OUTDOOR HLDNGS I TERM LOAN B due 08/21/26	102,749	100,043	103,219
CLEAR CHANNEL OUTDOOR HO COMPANY GUAR 144A 06/29 7.5%	227,000	197,022	198,613
CLEAR CHANNEL OUTDOOR HO SR SECURED 144A 04/30 7.875	1,936,000	1,938,030	1,992,518
CLEAR CHANNEL OUTDOOR HO SR SECURED 144A 08/27 5.125%	1,008,000	978,795	970,196

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CLEAR CHANNEL OUTDOOR HO SR SECURED 144A 09/28 9%	863,000	868,472	903,689
CLEAR CREEK CLO LTD CLRCK 2015 1A AR 144A	21,264	21,198	21,267
CLEARWAY ENERGY OP LLC COMPANY GUAR 144A 01/32 3.75%	887,000	787,572	757,136
CLEARWAY ENERGY OP LLC COMPANY GUAR 144A 02/31 3.75%	780,000	693,644	679,216
CLEARWAY ENERGY OP LLC COMPANY GUAR 144A 03/28 4.75%	476,000	439,991	455,215
CLEVELAND CLIFFS INC COMPANY GUAR 06/27 5.875	103,000	103,145	102,416
CLEVELAND CLIFFS INC COMPANY GUAR 144A 03/32 7	5,250,000	5,238,310	5,156,081
CLEVELAND CLIFFS INC COMPANY GUAR 144A 04/30 6.75%	890,000	883,241	870,115
CLEVELAND CLIFFS INC COMPANY GUAR 144A 05/33 7.375%	950,000	952,987	933,092
CLEVELAND CLIFFS INC COMPANY GUAR 144A 11/29 6.875%	552,000	553,390	546,094
CLI FUNDING LLC CLIF 2022 1A B 144A	1,448,035	1,190,691	1,273,014
CLOUD SOFTWARE GROUP INC 2024 1ST LIEN TERM LOAN B due 03/30/29	1,658,587	1,658,587	1,662,170
CLOUD SOFTWARE GROUP INC 2024 TERM LOAN B due 03/30/29	184,726	184,726	185,125
CLOUD SOFTWARE GROUP INC 2024 TERM LOAN due 03/21/31	626,940	622,753	628,282
CLOUD SOFTWARE GROUP INC 2024 USD TERM LOAN due 03/21/31	1,806,387	1,806,387	1,810,253
CLOUD SOFTWARE GROUP, INC. 2022 USD TERM LOAN B due 03/30/29	583,875	549,413	585,136
CLOUD SOFTWARE GRP INC SECURED 144A 09/29 9%	2,172,000	2,022,611	2,205,218
CLOUD SOFTWARE GRP INC SR SECURED 144A 03/29 6.5%	5,313,000	4,869,190	5,214,938
CLOUD SOFTWARE GRP INC SR SECURED 144A 06/32 8.25	3,188,000	3,243,393	3,285,395
CLOUDERA, INC. 2021 TERM LOAN due 10/08/28	197,964	197,162	197,161
CLOVER CLO CLVR 2019 2A BR 144A	250,000	237,554	251,087
CLYDESDALE ACQ HOLDINGS INC. TERM LOAN B due 04/13/29	539,966	541,703	540,538
CLYDESDALE ACQUISITION COMPANY GUAR 144A 04/30 8.75	2,001,000	1,968,573	2,022,679
CLYDESDALE ACQUISITION SR SECURED 144A 01/30 6.875%	1,561,000	1,561,000	1,571,563
CLYDESDALE ACQUISITION SR SECURED 144A 04/29 6.625%	1,125,000	1,124,718	1,132,457
CNH EQUIPMENT TRUST CNH 2024 B A2A	8,655,000	8,700,116	8,676,481
CNH INDUSTRIAL CAP LLC COMPANY GUAR 04/28 4.55%	55,000	53,909	54,249
CNT HOLDINGS I CORP 2020 TERM LOAN due 11/08/27	544,500	542,358	547,408
CNT PRNT/CDK GLO II/FIN SR SECURED 144A 06/29 8%	1,223,000	1,231,760	1,241,329
CNTRL PARENT/CDK GLB INC SR SECURED 144A 06/29 7.25%	3,163,000	3,184,964	3,125,642
CNX MIDSTREAM PART LP COMPANY GUAR 144A 04/30 4.75%	1,856,000	1,764,926	1,692,975
CNX RESOURCES CORP COMPANY GUAR 144A 01/29 6%	453,000	450,469	444,245
CNX RESOURCES CORP COMPANY GUAR 144A 01/31 7.375	6,000	6,055	6,164
CNX RESOURCES CORP COMPANY GUAR 144A 03/32 7.25	145,000	145,000	147,497
COCA COLA CO/THE SR UNSECURED 01/55 5.2%	1,100,000	1,099,094	1,046,059
COCA COLA CO/THE SR UNSECURED 03/51 2.5%	111,000	69,211	65,189
COCA COLA CO/THE SR UNSECURED 06/50 2.6%	551,000	352,716	332,681
COCA COLA CONSOLIDATED SR UNSECURED 06/34 5.45	695,000	694,293	699,996
CODELCO INC SR UNSECURED 144A 01/36 6.44	2,147,000	2,204,175	2,187,478
CODELCO INC SR UNSECURED 144A 07/42 4.25%	220,000	251,961	168,984
CODELCO INC SR UNSECURED REGS 01/50 3.7%	200,000	148,951	133,646
CODELCO INC SR UNSECURED REGS 01/51 3.15%	200,000	186,481	120,289
CODELCO INC SR UNSECURED REGS 02/49 4.375%	594,000	535,242	447,114
CODELCO INC SR UNSECURED REGS 08/47 4.5%	200,000	204,122	154,689
CODELCO INC SR UNSECURED REGS 10/43 5.625%	587,000	697,619	534,932
CODELCO INC SR UNSECURED REGS 11/44 4.875%	200,000	249,064	164,166
COEUR MINING INC COMPANY GUAR 144A 02/29 5.125%	400,000	397,403	383,148
COGENT COMMS GRP / FIN COMPANY GUAR 144A 06/27 7	1,300,000	1,283,811	1,300,419
COGENT COMMUNICATIONS GR COMPANY GUAR 144A 06/27 7%	2,210,000	2,208,400	2,220,716
COLLEGE AVE STUDENT LOANS CASL 2021 A A1 144A	46,195	46,195	45,598
COLLEGE AVE STUDENT LOANS CASL 2021 B A2 144A	112,036	112,033	95,410
COLLEGE AVE STUDENT LOANS CASL 2021 C A2 144A	258,939	258,800	222,253
COLLEGE AVE STUDENT LOANS CASL 2023 A A2 144A	389,421	389,347	387,299
COLONIAL PIPELINE CO SR UNSECURED 144A 10/25 3.75%	5,771,000	5,743,307	5,722,443
COLT FUNDING LLC COLT 2021 2 A1 144A	1,079,111	973,450	882,259
COLT FUNDING LLC COLT 2021 6 A1 144A	2,087,290	1,853,031	1,851,355
COLT FUNDING LLC COLT 2022 7 A1 144A	1,315,062	1,281,082	1,309,462
COLT FUNDING LLC COLT 2023 1 A1 144A	1,009,937	995,401	1,014,232
COLT FUNDING LLC COLT 2023 4 A1 144A	172,375	172,367	174,911
COLT FUNDING LLC COLT 2024 2 A1 144A	571,499	572,730	574,555
COLUMBIA PIPELINES OPCO SR UNSECURED 144A 11/33 6.036%	2,770,000	2,821,143	2,843,693

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
COLUMBIA PIPELINES OPCO SR UNSECURED 144A 11/53 6.544%	10,000	10,993	10,495
COMCAST CORP COMPANY GUAR 01/51 2.8%	2,064,000	1,310,256	1,231,001
COMCAST CORP COMPANY GUAR 02/27 3.3%	2,333,000	2,290,851	2,270,721
COMCAST CORP COMPANY GUAR 02/50 3.45%	330,000	240,169	226,374
COMCAST CORP COMPANY GUAR 03/26 3.15%	954,000	932,238	939,385
COMCAST CORP COMPANY GUAR 03/48 4%	70,000	56,522	53,240
COMCAST CORP COMPANY GUAR 04/27 3.3%	1,390,000	1,384,231	1,350,182
COMCAST CORP COMPANY GUAR 04/30 3.4%	270,000	254,093	251,007
COMCAST CORP COMPANY GUAR 04/40 3.75%	320,000	268,138	257,617
COMCAST CORP COMPANY GUAR 06/34 5.3	1,714,000	1,708,604	1,713,810
COMCAST CORP COMPANY GUAR 06/54 5.65	402,000	420,729	389,076
COMCAST CORP COMPANY GUAR 07/46 3.4%	100,000	74,601	70,298
COMCAST CORP COMPANY GUAR 08/25 3.375%	10,000,000	9,920,173	9,914,459
COMCAST CORP COMPANY GUAR 08/47 4%	90,000	72,963	68,731
COMCAST CORP COMPANY GUAR 08/52 2.45%	107,000	64,196	58,181
COMCAST CORP COMPANY GUAR 08/62 2.65	295,000	172,654	154,922
COMCAST CORP COMPANY GUAR 09/26	260,000	307,574	257,260
COMCAST CORP COMPANY GUAR 09/36 3.55%	470,000	520,982	487,765
COMCAST CORP COMPANY GUAR 10/25 3.95%	35,292,000	35,193,233	35,108,894
COMCAST CORP COMPANY GUAR 10/28 4.15%	1,810,000	1,785,623	1,765,472
COMCAST CORP COMPANY GUAR 10/30 4.25%	70,000	68,523	67,491
COMCAST CORP COMPANY GUAR 11/35 6.5%	75,000	83,885	81,451
COMCAST CORP COMPANY GUAR 11/39 3.25%	50,000	39,568	37,924
COMCAST CORP COMPANY GUAR 11/47 3.969%	126,000	100,366	95,551
COMCAST CORP COMPANY GUAR 11/51 2.887%	1,098,000	715,506	661,658
COMCAST CORP COMPANY GUAR 11/52 4.049%	640,000	511,739	481,981
COMCAST CORP COMPANY GUAR 11/56 2.937%	760,000	466,708	443,951
COMCAST CORP COMPANY GUAR 11/63 2.987	521,000	308,187	294,530
COMISION FEDERAL DE ELEC COMPANY GUAR 144A 01/35 6.45%	345,000	343,809	325,755
COMISION FEDERAL DE ELEC COMPANY GUAR REGS 07/33 3.875%	640,000	512,706	515,911
COMM MORTGAGE TRUST COMM 2014 CR17 C	357,000	382,582	325,676
COMM MORTGAGE TRUST COMM 2014 UBS5 B	470,000	505,524	454,142
COMM MORTGAGE TRUST COMM 2015 CR22 XA	6,640,486	162,121	66
COMM MORTGAGE TRUST COMM 2015 CR25 A3	338,540	316,091	336,964
COMM MORTGAGE TRUST COMM 2015 CR25 C	500,000	532,609	481,956
COMM MORTGAGE TRUST COMM 2015 CR27 A4	1,010,000	1,068,696	999,355
COMM MORTGAGE TRUST COMM 2015 CR27 C	500,000	546,211	436,584
COMM MORTGAGE TRUST COMM 2015 DC1 A5	484,181	495,470	483,420
COMM MORTGAGE TRUST COMM 2015 LC21 XA	31,512,621	534,323	12,741
COMM MORTGAGE TRUST COMM 2017 COR2 C	850,000	738,440	789,186
COMM MORTGAGE TRUST COMM 2020 CX C 144A	1,050,000	848,546	847,821
COMM MORTGAGE TRUST COMM 2024 277P A 144A	1,900,000	1,933,935	1,955,596
COMM MORTGAGE TRUST COMM 2024 277P B 144A	3,239,000	3,275,390	3,363,791
COMM MORTGAGE TRUST COMM 2024 CBM D 144A	760,000	771,328	768,609
COMM MORTGAGE TRUST COMM 2024 WCL1 A 144A	1,110,000	1,107,354	1,110,036
COMMERZBANK AG JR SUBORDINA REGS 03/99 VAR	200,000	238,760	208,912
COMMERZBANK AG JR SUBORDINA REGS 12/99 VAR	200,000	214,020	227,095
COMMERZBANK AG REGS 03/27 VAR	200,000	216,213	207,841
COMMERZBANK AG SUBORDINATED REGS 02/33 VAR	200,000	250,865	268,712
COMMONSPIRIT HEALTH SECURED 11/42 4.35%	80,000	69,939	66,879
COMMONSPIRIT HEALTH SR SECURED 10/49 3.817%	315,000	270,397	233,934
COMMONSPIRIT HEALTH SR SECURED 11/52 6.461%	1,800,000	1,800,000	1,924,738
COMMONWEALTH BANK AUST SR UNSECURED 144A 07/25 VAR	2,150,000	2,151,653	2,151,693
COMMSCOPE INC COMPANY GUAR 144A 07/28 7.125%	220,000	209,986	193,645
COMMSCOPE INC SR SECURED 144A 09/29 4.75%	4,326,000	3,566,847	3,853,280
COMPASS DATACENTERS ISSUER II, CMPDC 2024 1A A2 144A	512,000	501,362	510,506
COMPASS GROUP DIVERSIFIE COMPANY GUAR 144A 04/29 5.25%	1,810,000	1,771,948	1,737,327
COMPASS GROUP DIVERSIFIE SR UNSECURED 144A 01/32 5%	570,000	570,658	521,488
COMPASS POWER GENERATION LLC 2024 TERM LOAN due 04/14/29	53,437	53,185	53,755
COMSTOCK RESOURCES INC COMPANY GUAR 144A 01/30 5.875%	2,126,000	2,040,886	1,982,750
COMSTOCK RESOURCES INC COMPANY GUAR 144A 03/29 6.75	380,000	360,108	369,400

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
COMSTOCK RESOURCES INC COMPANY GUAR 144A 03/29 6.75%	601,000	576,775	586,021
CON EDISON CO OF NY INC SR UNSECURED 04/30 3.35%	290,000	273,201	269,434
CON EDISON CO OF NY INC SR UNSECURED 04/50 3.95%	70,000	57,619	54,561
CONCENTRA ESCROW ISSUER SR UNSECURED 144A 07/32 6.875	1,460,000	1,462,010	1,484,727
CONCENTRA HEALTH SERVICES INC TERM LOAN B due 06/26/31	498,750	500,895	501,867
CONNECT FINCO SARL/CONN SR SECURED 144A 09/29 9%	300,000	279,936	273,241
CONNECTICUT ST CTS 03/32 FIXED 5.85%	540,000	602,007	567,273
CONOCO FUNDING CO SR UNSECURED 10/31 7.25%	33,000	37,545	36,899
CONOCOPHILLIPS COMPANY COMPANY GUAR 03/52 3.8%	78,000	60,888	57,035
CONOCOPHILLIPS COMPANY COMPANY GUAR 03/62 4.025%	258,000	198,995	186,658
CONOCOPHILLIPS COMPANY COMPANY GUAR 05/53 5.3%	116,000	119,539	107,434
CONOCOPHILLIPS COMPANY COMPANY GUAR 09/63 5.7%	86,000	87,442	82,599
CONOCOPHILLIPS COMPANY GUAR 10/32 5.9%	10,000	10,788	10,579
CONSENSUS CLOUD SOLUTION COMPANY GUAR 144A 10/28 6.5%	510,000	510,385	505,694
CONSERVICE MIDCO LLC 2024 TERM LOAN B due 05/13/27	445,511	445,511	448,296
CONSOLIDATED COMMUNICATI SR SECURED 144A 10/28 5%	125,000	125,000	116,306
CONSOLIDATED COMMUNICATI SR SECURED 144A 10/28 6.5%	695,000	670,358	668,630
CONSOLIDATED COMMUNICATION INC 2021 TL B due 10/02/27	507,002	508,020	501,116
CONSOLIDATED ENERGY FINANCE SA 2024 TERM LOAN B due 11/15/30	322,563	314,122	312,886
CONSTELLATION BRANDS INC COMPANY GUAR 02/28 3.6%	625,000	615,749	600,291
CONSTELLATION BRANDS INC COMPANY GUAR 08/29 3.15%	1,670,000	1,548,431	1,537,433
CONSTELLATION BRANDS INC SR UNSECURED 05/27 4.35%	10,000	9,936	9,898
CONSTELLATION BRANDS INC SR UNSECURED 05/32 4.75%	756,000	741,763	727,510
CONSTELLATION BRANDS INC SR UNSECURED 05/33 4.9%	2,827,000	2,832,201	2,731,390
CONSTELLATION BRANDS INC SR UNSECURED 08/31 2.25%	895,000	746,854	744,879
CONSTELLATION SOFTWARE SR UNSECURED 144A 02/34 5.461	639,000	640,164	641,203
CONSTELLIUM SE COMPANY GUAR 144A 04/29 3.75%	699,000	633,871	632,700
CONSTELLIUM SE COMPANY GUAR 144A 06/28 5.625%	1,075,000	1,072,419	1,051,992
CONSTELLIUM SE COMPANY GUAR 144A 08/32 6.375%	532,000	529,997	514,929
CONSTELLIUM SE SR UNSECURED REGS 08/32 5.375%	103,000	111,812	108,268
CONSUMERS ENERGY CO 1ST MORTGAGE 05/29 4.6	451,000	450,142	446,793
CONTEGO CLO DAC CONTE 7X DR REGS	100,000	104,895	103,550
CONTINENTAL RESOURCES COMPANY GUAR 01/28 4.375%	390,000	381,321	379,344
CONTINENTAL RESOURCES COMPANY GUAR 06/44 4.9%	390,000	401,269	315,795
CONTINENTAL RESOURCES COMPANY GUAR 144A 01/31 5.75%	350,000	352,679	345,793
CONTINENTAL RESOURCES COMPANY GUAR 144A 11/26 2.268%	210,000	199,648	199,379
CONVERGEONE HOLDINGS CORP 2024 EXIT TERM LOAN due 06/04/30	166,478	43,995	158,570
COOPERATIEVE RABOBANK UA 144A 04/28 VAR	400,000	389,484	388,077
COOPERATIEVE RABOBANK UA 144A 06/26 VAR	250,000	245,403	245,719
COOPERATIEVE RABOBANK UA COMPANY GUAR 08/25 4.375%	320,000	318,532	318,719
COOPERATIEVE RABOBANK UA JR SUBORDINA REGS 12/99 VAR	2,200,000	2,482,973	2,255,630
COOPERATIEVE RABOBANK UA REGS 04/29 VAR	700,000	771,606	753,464
COREBRIDGE FINANCIAL INC SR UNSECURED 04/32 3.9%	500,000	499,453	455,583
COREBRIDGE FINANCIAL INC SR UNSECURED 04/42 4.35%	300,000	299,941	250,443
CORELOGIC INC TERM LOAN due 06/02/28	519,657	518,975	512,418
COREWELL HEALTH OBL GRP SR UNSECURED 07/49 3.487%	365,000	309,681	259,465
CORNERSTONE BUILDING BRANDS 2022 TERM LOAN due 08/01/28	877,256	864,098	859,273
CORNERSTONE BUILDING BRNDS INC 2024 TERM LOAN B due 05/02/31	33,621	33,467	32,297
CORNERSTONE BUILDING SR SECURED 144A 08/29 9.5%	1,440,000	1,490,675	1,396,188
CORNERSTONE GENERATION LLC TERM LOAN B due 10/28/31	150,000	149,625	151,125
CORP ANDINA DE FOMENTO SR UNSECURED 01/29 5	6,605,000	6,626,049	6,626,887
CORP FINANCIERA DE DESAR SR UNSECURED 144A 07/25 4.75%	200,000	202,659	199,538
CORP FINANCIERA DE DESAR SR UNSECURED REGS 07/25 4.75%	271,000	270,252	270,374
CORPORATION SERVICE COMPANY TERM LOAN B due 11/02/29	175,909	176,469	176,680
COSAN LUXEMBOURG SA COMPANY GUAR 144A 06/31 7.25	200,000	204,938	196,417
COSTA RICA GOVERNMENT SR UNSECURED 144A 02/31 6.125%	465,000	457,932	467,325
COSTA RICA GOVERNMENT SR UNSECURED 144A 04/34 6.55%	1,155,000	1,190,251	1,172,903
COSTA RICA GOVERNMENT SR UNSECURED 144A 04/43 5.625%	200,000	175,346	178,300
COSTA RICA GOVERNMENT SR UNSECURED 144A 04/44 7%	200,000	193,910	205,600
COSTA RICA GOVERNMENT SR UNSECURED REGS 02/31 6.125%	400,000	396,779	402,000
COSTA RICA GOVERNMENT SR UNSECURED REGS 03/45 7.158	4,942,000	5,215,767	5,080,376

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
COSTA RICA GOVERNMENT SR UNSECURED REGS 04/34 6.55%	400,000	399,387	406,200
COSTA RICA GOVERNMENT SR UNSECURED REGS 04/43 5.625%	900,000	728,104	802,350
COSTA RICA GOVERNMENT UNSECURED 144A 11/54 7.3%	690,000	676,350	714,495
COSTA RICA GOVERNMENT UNSECURED REGS 11/54 7.3%	408,000	386,988	422,484
COSTAR GROUP INC COMPANY GUAR 144A 07/30 2.8%	800,000	799,633	695,465
COSTCO WHOLESALE CORP SR UNSECURED 04/30 1.6%	320,000	277,383	273,833
COTERRA ENERGY INC SR UNSECURED 02/35 5.4%	112,000	111,484	109,472
COTIVITI CORPORATION 2024 TERM LOAN due 05/01/31	2,853,473	2,840,536	2,865,972
COTY INC SR SECURED 144A 04/26 5%	2,000	1,982	1,996
COTY INC SR SECURED REGS 04/26 3.875%	800,000	974,841	829,038
COTY/HFC PRESTIGE/INT US SR SECURED 144A 01/29 4.75%	210,000	202,594	200,093
COTY/HFC PRESTIGE/INT US SR SECURED 144A 07/30 6.625%	1,021,000	1,001,833	1,034,827
COUGAR JV SUBSIDIARY LLC SR UNSECURED 144A 05/32 8	3,320,000	3,396,032	3,444,984
COUNCIL OF EUROPE SR UNSECURED 01/29 4.125	1,965,000	1,962,170	1,938,623
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2005 41 1X	1,290,980	4,488	133,929
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2005 76 2A2	225,661	146,938	130,999
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2005 81 X1	1,006,692	31,466	2,346
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2006 OA1 2X	1,314,829	38,079	4,898
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2006 OA17 1XP	3,256,804	144,078	4,338
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2006 OA6 1A3	205,358	61,424	167,897
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2007 OA3 1A1	673,090	443,912	602,850
COUNTRYWIDE ALTERNATIVE LOAN T CWALT 2007 OA9 A1	758,373	483,742	607,952
COUNTRYWIDE HOME LOANS CWHL 2004 29 2A1	161	98	145
COUNTRYWIDE HOME LOANS CWHL 2005 2 2A3	324	161	299
COUNTRYWIDE HOME LOANS CWHL 2005 7 2A1	126	72	109
COUNTRYWIDE HOME LOANS CWHL 2005 R2 1AF1 144A	1,988	1,765	1,898
COVANTA HOLDING CORP COMPANY GUAR 144A 12/29 4.875%	500,000	462,308	462,410
COVANTA HOLDING CORPORATION 2024 1ST LIEN TERM LOAN B due 11/30/28	989,500	989,500	990,737
COVANTA HOLDING CORPORATION 2024 INCREMENTAL TERM LOAN C due 11/30/28	54,278	54,278	54,345
COX COMMUNICATIONS INC COMPANY GUAR 144A 10/30 1.8%	1,825,000	1,493,598	1,503,791
COX COMMUNICATIONS INC SR UNSECURED 144A 02/25 3.85%	2,064,000	2,069,660	2,061,827
COX COMMUNICATIONS INC SR UNSECURED 144A 08/27 3.5%	5,642,000	5,556,576	5,454,466
CPI HOLDCO B LLC 2024 INCREMENTAL TERM LOAN B due 05/17/31	925,000	920,375	923,844
CPPIB CAPITAL INC TERM LOAN B due 08/20/31	898,750	897,679	904,367
CPS AUTO TRUST CPS 2024 C A 144A	1,137,397	1,137,353	1,143,827
CPT MORTGAGE TRUST CPTS 2019 CPT C 144A	1,000,000	800,554	831,270
CPUK FINANCE LTD SECURED REGS 08/27 4.5%	100,000	110,554	119,064
CQP HOLDCO LP 2024 1ST LIEN TERM LOAN B due 12/31/30	378,102	378,102	378,480
CQP HOLDCO LP 2024 TERM LOAN B due 12/31/30	199,001	199,001	199,200
CQP HOLDCO LP/BIP V CHIN SR SECURED 144A 06/31 5.5%	2,402,000	2,330,065	2,294,217
CQP HOLDCO LP/BIP V CHIN SR SECURED 144A 12/33 7.5%	1,295,000	1,295,000	1,361,479
CRB SECURITIZATION TRUST CRB 2023 1 A 144A	379,245	379,215	380,483
CREDIT ACCEPTANC COMPANY GUAR 144A 12/28 9.25%	800,000	800,000	846,166
CREDIT AGRICOLE LONDON 144A 06/26 VAR	1,175,000	1,168,973	1,157,848
CREDIT SUISSE MORTGAGE TRUST CSMC 2014 USA A1 144A	2,679,334	2,290,482	2,432,237
CREDIT SUISSE MORTGAGE TRUST CSMC 2014 USA A2 144A	9,650,000	9,460,963	8,700,985
CREDIT SUISSE MORTGAGE TRUST CSMC 2018 J1 A2 144A	2,589,935	2,333,724	2,309,126
CREDIT SUISSE MORTGAGE TRUST CSMC 2019 RPL1 A1A 144A	422,079	403,080	411,721
CREDIT SUISSE MORTGAGE TRUST CSMC 2019 RPL1 M3 144A	1,500,000	1,207,250	1,273,223
CREDIT SUISSE MORTGAGE TRUST CSMC 2020 NET A 144A	645,260	660,429	628,865
CREDIT SUISSE MORTGAGE TRUST CSMC 2020 NET D 144A	500,000	513,196	484,574
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 B33 B 144A	954,000	882,437	800,437
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 NQM1 A2 144A	697,855	697,842	617,342
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 NQM5 A1 144A	1,430,811	1,148,007	1,176,187
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 NQM6 A1 144A	1,455,211	1,186,295	1,191,429
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 NQM8 A1 144A	488,010	487,991	435,077
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 RPL2 A1A 144A	2,687,784	2,687,701	2,231,696
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 RPL3 A1 144A	1,325,014	1,140,022	1,151,901
CREDIT SUISSE MORTGAGE TRUST CSMC 2021 RPL3 M3 144A	870,000	652,814	684,344
CREDIT SUISSE MORTGAGE TRUST CSMC 2022 NQM1 A1 144A	1,442,642	1,205,345	1,282,925
CREDIT SUISSE NEW YORK SR UNSECURED 01/25 7.95%	6,643,000	6,645,771	6,646,001

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CREDIT SUISSE NEW YORK SR UNSECURED 02/25 3.7%	4,820,000	4,806,892	4,810,359
CREDIT SUISSE NEW YORK SR UNSECURED 02/28 7.5%	2,010,000	2,169,343	2,152,443
CREDIT SUISSE NEW YORK SR UNSECURED 04/25 2.95%	250,000	248,796	248,764
CRESCENT ENERGY FINANCE COMPANY GUAR 144A 01/33 7.375	293,000	295,531	284,544
CRESCENT ENERGY FINANCE COMPANY GUAR 144A 02/28 9.25%	110,000	111,640	114,960
CRESCENT ENERGY FINANCE COMPANY GUAR 144A 04/32 7.625	410,000	410,933	407,890
CRISIS PREVENTION INSTIT INC 2024 TERM LOAN B due 04/09/31	675,000	674,752	675,844
CROCS INC COMPANY GUAR 144A 03/29 4.25%	1,070,000	965,106	987,996
CROCS INC COMPANY GUAR 144A 08/31 4.125	85,000	74,814	73,948
CROSBY US ACQUISITION CORP 2024 1ST LIEN TERM LOAN B due 08/16/29	1,017,325	1,017,325	1,025,851
CROWN AMER/CAP CORP V COMPANY GUAR 09/26 4.25%	202,000	206,338	197,026
CROWN AMER/CAP CORP VI COMPANY GUAR 02/26 4.75	6,000	5,929	5,927
CROWN CASTLE INC SR UNSECURED 01/28 5%	306,000	308,117	305,689
CROWN CASTLE INC SR UNSECURED 03/27 2.9%	709,000	686,534	680,645
CROWN CASTLE INC SR UNSECURED 06/26 3.7%	30,000	30,934	29,517
CROWN CASTLE INC SR UNSECURED 07/26 1.05%	1,275,000	1,247,932	1,204,591
CROWN CASTLE INC SR UNSECURED 09/27 3.65	1,021,000	992,946	989,956
CROWN CASTLE INC SR UNSECURED 11/29 3.1%	1,800,000	1,888,711	1,637,100
CROWN CASTLE TOWERS LLC ASSET BACKED 144A 07/48 4.241%	1,018,000	1,109,043	979,880
CROWN EURO HOLDING SACA COMPANY GUAR REGS 01/30 4.5%	100,000	108,050	107,058
CROWN EURO HOLDINGS SA COMPANY GUAR REGS 05/28 5%	204,000	228,887	222,600
CROWNROCK LP/CROWNROCK F SR UNSECURED 144A 05/29 5%	289,000	289,000	292,619
CRSNT TRUST CRSNT 2021 MOON C 144A	873,000	859,531	859,905
CS AT1 CLAIMS US225401AK46 CREDIT SUISSE GROUP AG%	1,200,000	-	-
CS AT1 CLAIMS US225436AA21 CREDIT SUISSE GROUP AG%	1,000,000	-	-
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2015 C2 XA	23,901,504	542,314	20,551
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2015 C4 D	500,000	512,828	476,145
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2019 C15 B	170,000	187,878	156,637
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2019 C16 XA	7,941,650	640,005	437,279
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2019 C18 C	450,000	478,914	392,352
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2019 C18 D 144A	600,000	563,772	470,851
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2020 C19 A3	365,000	376,319	317,579
CSC HOLDINGS LLC COMPANY GUAR 144A 01/29 11.75	355,000	355,000	350,947
CSC HOLDINGS LLC COMPANY GUAR 144A 02/28 5.375%	2,503,000	2,204,385	2,160,444
CSC HOLDINGS LLC COMPANY GUAR 144A 02/31 3.375%	1,404,000	1,012,986	984,783
CSC HOLDINGS LLC COMPANY GUAR 144A 04/27 5.5%	2,775,000	2,511,748	2,483,624
CSC HOLDINGS LLC COMPANY GUAR 144A 11/31 4.5%	845,000	626,901	608,426
CSC HOLDINGS, LLC 2019 TERM LOAN B5 due 04/15/27	238,570	238,309	219,744
CSL FINANCE PLC COMPANY GUAR 144A 04/27 3.85%	225,000	224,891	219,721
CSN ISLANDS XI CORP COMPANY GUAR REGS 01/28 6.75%	1,600,000	1,471,061	1,490,979
CSX CORP SR UNSECURED 03/28 3.8%	1,500,000	1,458,308	1,457,747
CSX CORP SR UNSECURED 03/55 4.9%	461,000	458,054	413,131
CTE CO TRANSP ELEC SR UNSECURED REGS 01/36 3.75%	300,000	317,785	311,358
CTR PARTNERSHIP/CARETRST COMPANY GUAR 144A 06/28 3.875%	100,000	100,000	94,790
CUBESMART LP COMPANY GUAR 02/31 2%	700,000	694,987	580,997
CUBESMART LP COMPANY GUAR 02/32 2.5%	160,000	159,097	133,800
CUSHMAN + WAKEFIELD US SR SECURED 144A 09/31 8.875%	375,000	390,204	403,718
CVC CORDATUS OPPORTUNITY LOAN COLFR 1X D REGS	100,000	108,020	104,080
CVR ENERGY INC COMPANY GUAR 144A 01/29 8.5%	820,000	818,540	786,535
CVR ENERGY INC COMPANY GUAR 144A 02/28 5.75%	815,000	766,444	744,763
CVS HEALTH CORP JR SUBORDINA 03/55 VAR	3,515,000	3,520,187	3,526,794
CVS HEALTH CORP JR SUBORDINA 12/54 VAR	1,146,000	1,148,942	1,123,697
CVS HEALTH CORP SR UNSECURED 01/29 5%	663,000	663,710	654,029
CVS HEALTH CORP SR UNSECURED 02/30 5.125%	1,103,000	1,101,346	1,079,906
CVS HEALTH CORP SR UNSECURED 02/31 1.875%	110,000	91,014	88,709
CVS HEALTH CORP SR UNSECURED 03/28 4.3%	622,000	611,114	602,560
CVS HEALTH CORP SR UNSECURED 03/38 4.78%	5,842,000	5,490,497	5,052,194
CVS HEALTH CORP SR UNSECURED 04/27 3.625%	390,000	380,750	378,460
CVS HEALTH CORP SR UNSECURED 04/30 3.75%	1,115,000	1,081,549	1,021,062
CVS HEALTH CORP SR UNSECURED 04/40 4.125%	362,000	333,110	283,945
CVS HEALTH CORP SR UNSECURED 04/50 4.25%	210,000	166,943	153,876

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
CVS HEALTH CORP SR UNSECURED 06/29 5.4	1,125,000	1,124,071	1,125,516
CVS HEALTH CORP SR UNSECURED 06/31 5.55	35,000	35,267	34,744
CVS HEALTH CORP SR UNSECURED 06/53 5.875%	950,000	945,191	871,550
CVS HEALTH CORP SR UNSECURED 07/45 5.125%	3,322,000	3,106,275	2,796,797
CVS HEALTH CORP SR UNSECURED 08/26 3%	2,340,000	2,356,639	2,266,611
CVS HEALTH CORP SR UNSECURED 09/31 2.125%	360,000	297,420	288,356
CYRUSONE DATA CENTERS ISSUER I CYRUS 2023 1A A2 144A	924,000	837,300	885,286
CZECH REPUBLIC BONDS 04/34 4.9%	43,340,000	2,057,489	1,881,407
CZECH REPUBLIC BONDS 06/32 1.75%	34,400,000	1,371,062	1,213,940
CZECH REPUBLIC BONDS 09/30 5%	36,810,000	1,684,766	1,601,229
CZECH REPUBLIC BONDS 10/33 2%	19,460,000	863,652	674,882
CZECH REPUBLIC BONDS 11/29 0.05%	6,440,000	261,033	220,312
CZECH REPUBLIC BONDS 12/28 5.5%	5,050,000	235,141	221,189
CZECH REPUBLIC BONDS REGS 05/30 0.95%	45,530,000	1,869,977	1,610,309
CZECH REPUBLIC SR UNSECURED 04/40 1.5%	39,220,000	1,188,498	1,096,975
CZECH REPUBLIC SR UNSECURED REGS 12/36 4.2%	5,390,000	237,264	219,174
D.R. HORTON INC COMPANY GUAR 10/34 5%	795,000	788,520	768,865
DAE FUNDING LLC COMPANY GUAR 144A 03/28 3.375%	1,100,000	1,102,219	1,027,475
DAE FUNDING LLC COMPANY GUAR REGS 03/28 3.375%	200,000	204,043	186,814
DAE SUKUK DIFC LTD SR UNSECURED 144A 02/26 3.75%	850,000	848,863	833,259
DAIMLER TRUCK FI CANADA COMPANY GUAR REGS 03/25 VAR	100,000	107,873	103,626
DAIMLER TRUCK FINAN NA COMPANY GUAR 144A 01/27 5	554,000	553,357	555,187
DAIMLER TRUCK FINAN NA COMPANY GUAR 144A 08/25 5.6%	1,199,000	1,207,805	1,204,847
DANA FINANCING LUX SARL COMPANY GUAR 144A 04/25 5.75%	528,000	527,723	526,397
DANA FINANCING LUX SARL COMPANY GUAR REGS 07/31 8.5%	100,000	109,720	113,123
DANA INC SR UNSECURED 02/32 4.5%	785,000	725,373	719,986
DANA INC SR UNSECURED 06/28 5.625%	436,000	438,772	430,087
DANA INC SR UNSECURED 09/30 4.25%	154,000	157,287	143,324
DANAHER CORP SR UNSECURED 09/25 3.35%	4,110,000	4,071,303	4,079,409
DANSKE BANK A/S REGS 04/27 VAR	100,000	107,854	103,759
DARKTRACE PLC 2ND LIEN TERM LOAN due 10/09/32	765,000	761,275	756,072
DARKTRACE PLC TERM LOAN due 10/09/31	116,667	116,101	116,466
DARLING INGREDIENTS INC COMPANY GUAR 144A 04/27 5.25	5,000	4,969	4,920
DARLING INGREDIENTS INC COMPANY GUAR 144A 06/30 6%	429,000	424,894	423,203
DAVE + BUSTERS INC 2024 1ST LIEN TERM LOAN B due 11/01/31	150,000	148,500	146,813
DAVITA INC COMPANY GUAR 144A 02/31 3.75%	728,000	705,820	629,909
DAVITA INC COMPANY GUAR 144A 06/30 4.625%	1,241,000	1,036,188	1,140,882
DAVITA INC COMPANY GUAR 144A 09/32 6.875%	2,382,000	2,382,000	2,400,258
DBGS MORTGAGE TRUST DBGS 2024 SBL A 144A	990,000	985,220	994,339
DCLI BIDCO LLC 2ND MORTGAGE 144A 11/29 7.75%	2,529,000	2,529,000	2,585,923
DCP MIDSTREAM OPERATING COMPANY GUAR 02/32 3.25%	1,925,000	1,781,082	1,654,658
DCP MIDSTREAM OPERATING COMPANY GUAR 07/27 5.625%	960,000	1,007,115	973,093
DCP MIDSTREAM OPERATING COMPANY GUAR 144A 11/36 6.45%	580,000	601,664	596,699
DEALER TIRE FINANCIAL, LLC TERM LOAN B2 due 12/14/27	482,600	482,600	482,600
DEALER TIRE LLC/DT ISSR SR UNSECURED 144A 02/28 8%	350,000	354,130	343,699
DECHRA PHAREUTCALS HOLD LTD USD TERM LOAN B due 12/04/31	35,155	35,067	35,309
DEEPHAVEN RESIDENTIAL MORTGAGE DRMT 2021 1 A3 144A	764,003	763,975	719,942
DEERE + COMPANY SR UNSECURED 04/30 3.1%	100,000	93,109	91,960
DEERE + COMPANY SR UNSECURED 04/50 3.75%	40,000	32,527	30,779
DEL AMO FASHION CENTER TRUST D AFC 2017 AMO C 144A	600,000	510,845	547,199
DELEK LOG PART/FINANCE COMPANY GUAR 144A 03/29 8.625	1,276,000	1,294,422	1,319,303
DELL INT LLC / EMC CORP COMPANY GUAR 02/35 4.85%	6,140,000	5,903,999	5,832,375
DELL INT LLC / EMC CORP COMPANY GUAR 12/51 3.45%	695,000	632,532	472,280
DELL INT LLC / EMC CORP SR UNSECURED 06/26 6.02%	1,014,000	1,040,743	1,028,633
DELL INT LLC / EMC CORP SR UNSECURED 07/30 6.2%	175,000	197,707	183,454
DELL INT LLC / EMC CORP SR UNSECURED 07/36 8.1%	932,000	1,230,713	1,105,617
DELL INT LLC / EMC CORP SR UNSECURED 10/26 4.9%	545,000	538,874	546,586
DELL INT LLC / EMC CORP SR UNSECURED 10/29 5.3%	174,000	185,924	175,701
DELTA AIR LINES INC SR UNSECURED 01/26 7.375%	7,000	7,154	7,150
DELTA AIR LINES INC SR UNSECURED 04/28 4.375	151,000	147,060	147,250
DELTA AIR LINES/SKYMILES SR SECURED 144A 10/28 4.75%	1,000,000	1,009,754	986,484

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
DELUXE CORP SR SECURED 144A 09/29 8.125%	490,000	495,003	496,870
DEUCE FINCO SR SECURED REGS 06/27 5.5%	115,000	142,722	140,728
DEUTSCHE ALT A SECURITIES INC DBALT 2005 1 1A3	746,654	741,353	732,847
DEUTSCHE ALT A SECURITIES INC DBALT 2007 OA3 A1	565,831	504,187	512,137
DEUTSCHE ALT A SECURITIES INC DBALT 2007 OA5 A1B	1,792,264	1,586,894	1,582,453
DEUTSCHE BAHN FIN GMBH COMPANY GUAR REGS 04/36 0.625%	100,000	117,941	79,345
DEUTSCHE BANK AG JR SUBORDINA 12/99 VAR	400,000	395,161	391,826
DEUTSCHE BANK AG JR SUBORDINA REGS 12/99 VAR	200,000	217,434	217,377
DEUTSCHE BANK AG REGS 02/26 2.625%	1,000,000	1,126,416	1,031,741
DEUTSCHE BANK NY 03/26 1.686%	5,255,000	5,073,255	5,069,236
DEUTSCHE BANK NY 05/25 4.162	2,000,000	1,989,858	1,994,314
DEUTSCHE BANK NY 09/31 VAR	1,300,000	1,108,284	1,167,390
DEUTSCHE BANK NY 09/35 VAR	3,720,000	3,691,087	3,528,985
DEUTSCHE BANK NY 11/26 VAR	700,000	700,000	682,273
DEVON ENERGY CORPORATION SR UNSECURED 01/30 4.5%	137,000	130,774	132,562
DEVON ENERGY CORPORATION SR UNSECURED 06/45 5%	1,030,000	901,768	861,104
DEVON ENERGY CORPORATION SR UNSECURED 07/41 5.6%	980,000	941,520	907,531
DEVON ENERGY CORPORATION SR UNSECURED 09/31 7.875	672,000	772,752	757,469
DEVON ENERGY CORPORATION SR UNSECURED 09/54 5.75%	302,000	282,895	274,568
DEVON ENERGY CORPORATION SR UNSECURED 12/25 5.85%	880,000	886,921	885,864
DEWOLF PARK CLO, LTD DWOLF 2017 1A AR 144A	199,489	197,101	199,688
DEWOLF PARK CLO, LTD DWOLF 2017 1A CR 144A	250,000	250,000	250,283
DH EUROPE FINANCE II COMPANY GUAR 11/29 2.6%	1,725,000	1,684,303	1,559,948
DIAGEO CAPITAL PLC COMPANY GUAR 10/25 5.2%	1,410,000	1,417,784	1,417,609
DIAMETER CAPITAL CLO DCLO 2024 7A A1A 144A	800,000	800,000	807,140
DIAMOND II LTD SR SECURED 144A 07/26 7.95%	200,000	199,105	202,441
DIAMOND SPORTS GROUP LLC 2022 FIRST PRI TERM LOAN due 05/25/26	9,116	8,857	7,755
DIAMONDBACK ENERGY INC COMPANY GUAR 01/30 5.15	4,909,000	4,879,621	4,918,281
DIAMONDBACK ENERGY INC COMPANY GUAR 03/31 3.125%	3,786,000	3,436,916	3,346,247
DIAMONDBACK ENERGY INC COMPANY GUAR 03/52 4.25%	1,770,000	1,441,442	1,338,871
DIAMONDBACK ENERGY INC COMPANY GUAR 04/27 5.2	5,039,000	5,067,513	5,088,217
DIAMONDBACK ENERGY INC COMPANY GUAR 04/54 5.75	3,160,000	3,126,731	2,971,229
DIAMONDBACK ENERGY INC COMPANY GUAR 04/64 5.9	2,606,000	2,588,354	2,447,088
DIAMONDBACK ENERGY INC COMPANY GUAR 12/26 3.25%	2,429,000	2,390,832	2,365,109
DIAMONDBACK ENERGY INC COMPANY GUAR 12/29 3.5%	6,509,000	6,211,820	6,048,477
DIEBOLD NIXDORF INC SR SECURED 144A 03/30 7.75%	1,800,000	1,827,070	1,847,794
DILLARDS INC SR UNSECURED 05/27 7.75%	3,325,000	3,321,564	3,481,871
DIRECTV FIN LLC/COINC SR SECURED 144A 08/27 5.875%	2,910,000	2,890,454	2,835,209
DIRECTV FINANCING LLC TERM LOAN due 08/02/27	180,158	179,537	180,470
DISH DBS CORP COMPANY GUAR 06/29 5.125%	175,000	175,000	112,058
DISH DBS CORP COMPANY GUAR 07/26 7.75%	850,000	875,079	714,980
DISH DBS CORP COMPANY GUAR 07/28 7.375%	265,000	267,476	189,672
DISH NETWORK CORP SR SECURED 144A 11/27 11.75%	1,907,000	1,992,979	2,019,944
DIVERSIFIED HEALTHCARE T COMPANY GUAR 03/31 4.375%	300,000	297,380	220,945
DIVERSIFIED HEALTHCARE T COMPANY GUAR 06/25 9.75%	103,000	103,000	102,992
DIVERSIFIED HEALTHCARE T SR UNSECURED 02/28 4.75%	200,000	200,658	171,669
DK TRUST DK 2024 SPBX A 144A	2,180,000	2,180,000	2,185,450
DLLST LLC DLLST 2024 1A A3 144A	400,000	401,573	400,323
DOLLAR TREE INC SR UNSECURED 05/25 4%	1,500,000	1,499,912	1,494,438
DOM REP CB NOTES UNSECURED 144A 01/25 10.5%	33,440,000	560,032	547,477
DOMINICAN REPUBLIC INTERNATION 06/36 0	51,200,000	860,471	901,853
DOMINICAN REPUBLIC SR UNSECURED 144A 01/27 5.95%	750,000	790,330	745,425
DOMINICAN REPUBLIC SR UNSECURED 144A 01/30 4.5%	2,367,000	2,205,237	2,164,622
DOMINICAN REPUBLIC SR UNSECURED 144A 01/41 5.3%	359,000	328,174	304,612
DOMINICAN REPUBLIC SR UNSECURED 144A 01/45 6.85%	900,000	903,070	883,350
DOMINICAN REPUBLIC SR UNSECURED 144A 01/60 5.875%	400,000	406,777	338,000
DOMINICAN REPUBLIC SR UNSECURED 144A 02/29 5.5%	4,070,000	4,019,152	3,935,690
DOMINICAN REPUBLIC SR UNSECURED 144A 02/31 7.05%	520,000	523,756	532,480
DOMINICAN REPUBLIC SR UNSECURED 144A 02/33 13.625	21,050,000	425,319	418,659
DOMINICAN REPUBLIC SR UNSECURED 144A 02/33 6%	845,000	841,543	811,200
DOMINICAN REPUBLIC SR UNSECURED 144A 04/44 7.45%	892,000	1,087,638	934,370

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
DOMINICAN REPUBLIC SR UNSECURED 144A 06/36 6.6	840,000	833,490	832,860
DOMINICAN REPUBLIC SR UNSECURED 144A 07/28 6%	685,000	733,420	678,493
DOMINICAN REPUBLIC SR UNSECURED 144A 09/32 4.875%	2,386,000	2,344,270	2,128,312
DOMINICAN REPUBLIC SR UNSECURED REGS 01/26 6.875%	663,000	688,665	667,641
DOMINICAN REPUBLIC SR UNSECURED REGS 01/27 5.95%	221,000	231,970	219,652
DOMINICAN REPUBLIC SR UNSECURED REGS 01/30 4.5	2,000,000	2,063,798	1,829,000
DOMINICAN REPUBLIC SR UNSECURED REGS 01/41 5.3%	625,000	572,395	530,313
DOMINICAN REPUBLIC SR UNSECURED REGS 01/45 6.85%	2,521,000	2,887,975	2,474,362
DOMINICAN REPUBLIC SR UNSECURED REGS 01/60 5.875%	1,512,000	1,386,050	1,277,640
DOMINICAN REPUBLIC SR UNSECURED REGS 02/29 5.5%	253,000	240,438	244,651
DOMINICAN REPUBLIC SR UNSECURED REGS 02/31 7.05	255,000	261,494	261,120
DOMINICAN REPUBLIC SR UNSECURED REGS 02/48 6.5%	828,000	771,452	786,186
DOMINICAN REPUBLIC SR UNSECURED REGS 06/49 6.4%	300,000	302,377	281,850
DOMINICAN REPUBLIC SR UNSECURED REGS 07/28 6%	503,000	513,045	498,222
DOMINICAN REPUBLIC SR UNSECURED REGS 09/32 4.875%	2,175,000	2,089,260	1,940,100
DOMINION ENERGY INC JR SUBORDINA 05/55 VAR	340,000	340,000	345,663
DOMINION ENERGY INC JR SUBORDINA 06/54 VAR	526,000	565,842	555,448
DOMINION ENERGY INC SR UNSECURED 04/30 3.375%	1,775,000	1,653,190	1,633,152
DOMINION ENERGY SOUTH 1ST MORTGAGE 10/53 6.25%	124,000	126,484	133,743
DOTDASH MEREDITH INC 2024 TERM LOAN due 12/01/28	193,555	193,555	194,765
DP WORLD CRESCENT LTD SR UNSECURED REGS 01/30 3.7495%	410,000	402,447	383,266
DP WORLD CRESCENT LTD SR UNSECURED REGS 07/29 3.875%	477,000	465,146	449,786
DP WORLD CRESCENT LTD SR UNSECURED REGS 09/28 4.848%	1,700,000	1,824,338	1,678,583
DP WORLD CRESCENT LTD SR UNSECURED REGS 09/33 5.5%	943,000	893,687	942,335
DP WORLD LTD UAE SR UNSECURED 144A 09/48 5.625%	400,000	501,364	378,534
DP WORLD LTD UAE SR UNSECURED REGS 09/48 5.625%	1,903,000	1,808,064	1,800,877
DP WORLD SALAAM JR SUBORDINA REGS 12/99 VAR	445,000	445,098	442,144
DRAGON BUYER INC TERM LOAN B due 09/30/31	700,000	696,607	700,581
DRIVE AUTO RECEIVABLES TRUST DRIVE 2024 2 A2	3,100,000	3,099,938	3,103,208
DRIVEN HOLDINGS LLC TERM LOAN B due 12/17/28	655,288	655,032	654,469
DRYDEN SENIOR LOAN FUND DRSLF 2016 45A CRR 144A	1,800,000	1,800,000	1,802,473
DRYDEN SENIOR LOAN FUND DRSLF 2017 50A B 144A	250,000	250,074	250,705
DRYDEN SENIOR LOAN FUND DRSLF 2017 54A BR 144A	1,700,000	1,700,000	1,701,435
DRYDEN SENIOR LOAN FUND DRSLF 2018 57A B 144A	3,500,000	3,500,000	3,506,316
DRYDEN SENIOR LOAN FUND DRSLF 2018 58A A1 144A	1,199,547	1,188,760	1,199,564
DRYDEN SENIOR LOAN FUND DRSLF 2019 76A A1R2 144A	6,000,000	6,000,000	6,023,074
DSL A MORTGAGE LOAN TRUST DSLA 2005 AR1 2A1A	21,706	15,228	21,493
DSL A MORTGAGE LOAN TRUST DSLA 2007 AR1 2A1A	726,718	469,106	583,818
DT AUTO OWNER TRUST DTAOT 2023 2A A 144A	195,558	195,556	195,723
DT MIDSTREAM INC COMPANY GUAR 144A 06/29 4.125%	1,509,000	1,492,625	1,409,237
DT MIDSTREAM INC COMPANY GUAR 144A 06/31 4.375%	1,480,000	1,451,676	1,350,383
DTE ELECTRIC CO GENL REF MOR 03/34 5.2%	1,000,000	1,012,295	996,508
DTE ENERGY CO SR UNSECURED 06/25 1.05%	2,170,000	2,155,705	2,136,524
DTE ENERGY CO SR UNSECURED 07/27 4.95%	3,615,000	3,613,627	3,628,193
DTP COML MTG TR 2023 STE2 DTP 2023 STE2 A 144A	960,000	978,645	970,238
DUFY ONE BV COMPANY GUAR REGS 04/31 4.75	200,000	222,161	214,659
DUKE ENERGY CAROLINAS 1ST MORTGAGE 01/34 4.85	633,000	619,537	613,780
DUKE ENERGY CAROLINAS 1ST MORTGAGE 01/54 5.4%	265,000	259,879	255,035
DUKE ENERGY CAROLINAS 1ST MORTGAGE 03/48 3.95%	257,000	302,286	197,175
DUKE ENERGY CAROLINAS 1ST MORTGAGE 08/49 3.2%	569,000	400,796	379,591
DUKE ENERGY CORP SR UNSECURED 04/31 3.75	1,223,000	1,311,899	1,286,819
DUKE ENERGY CORP SR UNSECURED 06/28 3.1%	478,000	502,883	496,112
DUKE ENERGY CORP SR UNSECURED 08/27 3.15%	8,786,000	8,454,005	8,437,964
DUKE ENERGY CORP SR UNSECURED 08/47 3.95%	330,000	271,471	246,015
DUKE ENERGY CORP SR UNSECURED 08/52 5%	146,000	139,053	127,612
DUKE ENERGY CORP SR UNSECURED 09/46 3.75%	1,920,000	2,070,945	1,415,150
DUKE ENERGY FLORIDA LLC 1ST MORTGAGE 06/30 1.75%	61,000	55,118	51,740
DUKE ENERGY FLORIDA LLC 1ST MORTGAGE 12/29 2.5%	2,217,000	2,039,664	1,988,869
DUKE ENERGY INDIANA LLC 1ST MORTGAGE 03/34 5.25	3,800,000	3,823,022	3,799,586
DUKE ENERGY OHIO INC 1ST MORTGAGE 02/29 3.65%	557,000	534,307	531,902
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 03/33 5.25	1,149,000	1,167,345	1,151,675

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 05/42 4.1%	301,000	266,582	247,670
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 08/45 4.2	80,000	66,880	64,873
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 08/50 2.5%	98,000	61,674	56,806
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 08/51 2.9%	81,000	61,911	50,153
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 12/44 4.15%	296,000	273,256	241,078
DUKE UNIVERSITY HEALTH SR UNSECURED 06/47 3.92%	445,000	478,885	352,095
DUN + BRADSTREET CRPRTN THE 2024 TERM LOAN due 01/18/29	1,728,688	1,728,688	1,728,999
DYE + DURHAM LIMITED SR SECURED 144A 04/29 8.625	2,419,000	2,430,571	2,536,958
DYNAMO NEWCO II GMBH SR SECURED REGS 10/31 6.25%	100,000	111,720	106,398
DYNAMO NEWCO II GMBH USD TERM LOAN B due 10/01/31	59,850	59,558	60,374
E W SCRIPPS COMPANY THE 2020 TERM LOAN B3 due 01/07/28	672,221	671,140	595,292
E.ON SE SR UNSECURED REGS 01/36 3.75	200,000	218,159	209,471
E.ON SE SR UNSECURED REGS 03/44 4.125	110,000	119,333	115,461
EAST JAPAN RAILWAY CO SR UNSECURED REGS 09/43 4.389%	600,000	629,804	677,608
EAST OHIO GAS CO/THE SR UNSECURED 144A 06/25 1.3%	7,274,000	7,144,044	7,149,088
EAST OHIO GAS CO/THE SR UNSECURED 144A 06/30 2%	275,000	274,520	235,925
EASTERN ENERGY GAS SR UNSECURED 10/54 5.65%	975,000	974,296	921,001
EATON CAPITAL UNLIMITED COMPANY GUAR REGS 05/31 3.601	250,000	270,625	266,690
EATON CORP COMPANY GUAR 03/33 4.15%	1,850,000	1,831,706	1,739,542
EATON CORP COMPANY GUAR 11/42 4.15%	350,000	307,734	295,462
EATON VANCE CDO LTD EATON 2013 1A B3R 144A	250,000	250,449	250,550
EATON VANCE CDO LTD EATON 2014 1RA A2 144A	930,000	924,562	936,074
EHOSTAR CORP SR SECURED 11/29 10.75%	1,578,856	1,702,026	1,697,721
ECL ENTERTAINMENT LLC 2024 TERM LOAN B due 08/31/30	144,161	143,836	144,792
ECMC GROUP STUDENT LOAN TRUST ECMC 2016 1A A 144A	11,883,144	12,019,589	11,848,019
ECMC GROUP STUDENT LOAN TRUST ECMC 2020 3A A1B 144A	638,856	647,128	632,391
ECO MATERIAL TECH INC SR SECURED 144A 01/27 7.875%	200,000	197,956	203,222
ECOLAB INC SR UNSECURED 08/55 2.75%	364,000	362,824	214,153
ECOLAB INC SR UNSECURED 12/51 2.7%	164,000	101,880	99,783
ECOPETROL SA SR UNSECURED 01/33 8.875%	901,000	902,332	918,086
ECOPETROL SA SR UNSECURED 01/36 8.375	511,000	512,564	492,799
ECOPETROL SA SR UNSECURED 02/32 7.75%	1,965,000	1,960,315	1,906,942
ECOPETROL SA SR UNSECURED 04/30 6.875%	148,000	157,180	144,434
ECOPETROL SA SR UNSECURED 05/45 5.875%	2,390,000	1,843,310	1,646,532
ECOPETROL SA SR UNSECURED 11/31 4.625	650,000	547,299	539,064
EDGE FINCO PLC SR SECURED REGS 08/31 8.125%	209,000	273,968	267,314
EDGECONNEX DATA CENTERS ISSUER EDGE 2024 1 A2 144A	982,094	980,030	969,555
EDGEWELL PERSONAL CARE COMPANY GUAR 144A 04/29 4.125%	175,000	175,101	161,380
EDGEWELL PERSONAL CARE COMPANY GUAR 144A 06/28 5.5%	60,000	59,284	58,730
EDISON INTERNATIONAL SR UNSECURED 03/28 4.125%	218,000	212,972	211,442
EDISON INTERNATIONAL SR UNSECURED 06/27 5.75%	1,358,000	1,383,393	1,380,541
EDISON INTERNATIONAL SR UNSECURED 06/29 5.45%	3,000,000	3,031,918	3,028,368
EDISON INTERNATIONAL SR UNSECURED 11/28 5.25%	1,801,000	1,796,691	1,804,939
EDISON INTERNATIONAL SR UNSECURED 11/29 6.95%	1,079,000	1,148,031	1,152,063
EDP SA JR SUBORDINA REGS 09/54 VAR	200,000	219,431	210,822
EDVESTINU PRIVATE EDUCATION LO EDVES 2021 A A 144A	129,297	129,175	117,335
EG GLOBAL FINANCE PLC SR SECURED 144A 11/28 12%	620,000	689,551	693,343
EGYPT GOVERNMENT BOND BONDS 08/27 25.318%	39,231,000	824,162	761,756
EGYPT TASKEEK CO SR UNSECURED 144A 02/26 10.875	525,000	535,975	542,916
EIG PEARL HOLDINGS SARL SR SECURED 144A 08/36 3.545%	788,000	752,223	674,809
EIG PEARL HOLDINGS SARL SR SECURED 144A 11/46 4.387%	510,000	465,565	394,736
EL PASO NATURAL GAS COMPANY GUAR 06/32 8.375%	280,000	334,956	329,084
ELANCO ANIMAL HEALTH INC SR UNSECURED 08/28 6.65%	2,675,000	2,732,525	2,711,409
ELANCO ANIMAL HEALTH INCORPORA TERM LOAN B due 08/01/27	796,716	797,211	795,345
ELDORADO GOLD CORP SR UNSECURED 144A 09/29 6.25%	495,000	455,352	487,944
ELECTRICITE DE FRANCE SA JR SUBORDINA 144A 12/99 VAR	200,000	209,639	225,591
ELECTRICITE DE FRANCE SA JR SUBORDINA REGS 07/49 VAR	200,000	251,806	241,089
ELECTRICITE DE FRANCE SA JR SUBORDINA REGS 12/29 VAR	200,000	205,930	228,570
ELECTRICITE DE FRANCE SA JR SUBORDINA REGS 12/99 VAR	900,000	1,073,794	938,899
ELECTRICITE DE FRANCE SA SR UNSECURED 144A 04/64 6	1,000,000	920,081	967,591
ELEMENT SOLUTIONS INC COMPANY GUAR 144A 09/28 3.875%	643,000	610,628	609,903

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ELEVANCE HEALTH INC SR UNSECURED 02/30 4.75%	1,525,000	1,522,004	1,507,053
ELEVANCE HEALTH INC SR UNSECURED 02/53 5.125%	88,000	82,123	78,447
ELEVANCE HEALTH INC SR UNSECURED 02/55 5.7%	66,000	65,942	63,696
ELEVANCE HEALTH INC SR UNSECURED 03/31 2.55%	855,000	742,973	733,769
ELEVANCE HEALTH INC SR UNSECURED 05/30 2.25%	500,000	437,825	434,459
ELEVANCE HEALTH INC SR UNSECURED 05/32 4.1%	510,000	482,404	471,674
ELEVANCE HEALTH INC SR UNSECURED 05/52 4.55%	177,000	151,290	143,049
ELEVANCE HEALTH INC SR UNSECURED 06/54 5.65	950,000	946,211	911,719
ELEVANCE HEALTH INC SR UNSECURED 09/49 3.7	371,000	281,827	264,642
ELEVANCE HEALTH INC SR UNSECURED 10/52 6.1%	86,000	93,539	87,052
ELEVANCE HEALTH INC SR UNSECURED 11/64 5.85%	2,565,000	2,559,925	2,481,602
ELEVANCE HEALTH INC SR UNSECURED 12/27 3.65%	220,000	214,762	214,197
ELEVATION CLO LTD AWPT 2021 12A D1AR 144A	1,000,000	1,000,000	1,020,777
ELFI GRADUATE LOAN PROGRAM LLC ELFI 2023 A A 144A	893,049	888,593	907,715
ELFI GRADUATE LOAN PROGRAM LLC ELFI 2024 A A 144A	1,162,738	1,162,374	1,149,685
ELI LILLY + CO SR UNSECURED 02/34 4.7	840,000	834,744	814,316
ELI LILLY + CO SR UNSECURED 02/54 5	90,000	87,354	82,766
ELI LILLY + CO SR UNSECURED 02/64 5.1	400,000	387,151	366,256
ELI LILLY + CO SR UNSECURED 08/34 4.6%	380,000	374,770	364,875
ELIOR GROUP SA COMPANY GUAR REGS 07/26 3.75%	100,000	97,147	102,519
ELLINGTON FINANCIAL MORTGAGE T EFMT 2020 1 A3 144A	1,150,000	1,149,896	1,091,718
ELLINGTON FINANCIAL MORTGAGE T EFMT 2021 2 A1 144A	2,052,025	1,675,636	1,672,554
ELLINGTON FINANCIAL MORTGAGE T EFMT 2021 3 A1 144A	1,379,117	1,099,647	1,112,160
ELLINGTON FINANCIAL MORTGAGE T EFMT 2022 1 A2 144A	560,000	419,612	408,637
ELLINGTON FINANCIAL MORTGAGE T EFMT 2022 2 A2 144A	3,157,280	3,110,841	2,908,350
ELLINGTON FINANCIAL MORTGAGE T EFMT 2024 INV2 A1 144A	528,395	528,381	521,028
ELLINGTON FINANCIAL MORTGAGE T EFMT 2024 INV2 A3 144A	792,097	792,087	782,705
ELLUCIAN HOLDINGS INC SR SECURED 144A 12/29 6.5%	1,884,000	1,884,000	1,884,799
ELM TRUST 2024 ELM 2024 ELM A10 144A	2,050,000	2,050,000	2,069,594
ELM TRUST 2024 ELM 2024 ELM A15 144A	2,050,000	2,050,000	2,069,594
ELM TRUST 2024 ELM 2024 ELM D10 144A	1,300,000	1,300,000	1,312,138
ELM TRUST 2024 ELM 2024 ELM D15 144A	909,000	909,000	918,484
ELMWOOD CLO 30 LTD ELM30 2024 6A B 144A	1,900,000	1,900,000	1,916,019
ELMWOOD CLO 33 LTD ELM33 2024 9RA CR 144A	1,000,000	1,000,000	1,010,693
ELMWOOD CLO II LTD. ELMW2 2019 2A A1RR 144A	2,000,000	2,000,000	2,009,457
ELMWOOD CLO II LTD. ELMW2 2019 2A BRR 144A	300,000	300,000	301,367
ELMWOOD CLO VI LTD. ELMW6 2020 3A ARR 144A	380,000	380,838	381,159
ELMWOOD CLO VI LTD. ELMW6 2020 3A BRR 144A	250,000	250,000	250,956
EMBECTA CORP TERM LOAN B due 03/30/29	691,217	684,264	687,471
EMERALD DEBT MERGER SR SECURED 144A 12/30 6.625%	2,147,000	2,169,538	2,149,863
EMERALD DEBT MERGER SR SECURED REGS 12/30 6.375%	200,000	222,692	218,824
EMERGENT BIOSOLUTIONS COMPANY GUAR 144A 08/28 3.875%	998,000	937,882	816,262
EMG UTICA LLC 2024 TERM LOAN B due 10/24/29	970,000	965,300	973,638
EMPIRE COMMUNITIES CORP SR UNSECURED 144A 05/29 9.75	1,815,000	1,852,744	1,909,496
EMPOWER CLO LTD. EMPWR 2022 1A A1R 144A	1,000,000	1,000,000	1,004,999
EMPOWER CLO LTD. EMPWR 2023 2A A1 144A	170,000	172,272	171,257
EMPRESA DE TRANSPORTE ME SR UNSECURED 144A 05/50 4.7%	500,000	614,498	409,603
EMPRESA DE TRANSPORTE ME SR UNSECURED REGS 05/50 4.7%	522,000	600,576	427,625
EMPRESA NACIONAL DEL PET SR UNSECURED 144A 05/33 6.15%	200,000	199,472	201,545
EMPRESA NACIONAL DEL PET SR UNSECURED 144A 07/34 5.95%	200,000	197,138	198,850
EMPRESA NACIONAL DEL PET SR UNSECURED REGS 07/34 5.95%	200,000	197,166	198,850
EMPRESA NACIONAL DEL PET SR UNSECURED REGS 09/47 4.5%	525,000	456,698	404,212
EMRLD BOR / EMRLD CO ISS SR SECURED 144A 07/31 6.75	415,000	415,722	417,838
EMRLD BORROWER LP 2024 TERM LOAN B due 08/04/31	2,079,813	2,074,804	2,085,886
EMRLD BORROWER LP TERM LOAN B due 05/31/30	462,806	459,218	464,171
ENBRIDGE INC COMPANY GUAR 03/33 5.7%	900,000	899,012	909,791
ENBRIDGE INC COMPANY GUAR 04/27 5.25	1,283,000	1,282,812	1,297,914
ENBRIDGE INC COMPANY GUAR 04/29 5.3	310,000	310,208	313,202
ENBRIDGE INC COMPANY GUAR 04/34 5.625	2,250,000	2,246,031	2,264,148
ENBRIDGE INC COMPANY GUAR 08/33 2.5%	900,000	897,235	722,594
ENBRIDGE INC COMPANY GUAR 11/26 5.9%	1,345,000	1,346,723	1,371,146

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ENBW ENERGIE BADEN WU JR SUBORDINA REGS 01/84 VAR	100,000	108,765	108,973
ENBW INTL FINANCE BV COMPANY GUAR REGS 05/34 4.3%	390,000	423,135	427,379
ENBW INTL FINANCE BV COMPANY GUAR REGS 11/35 3.75%	627,000	663,437	650,832
ENCINO ACQUISITION PARTN SR UNSECURED 144A 05/31 8.75	1,136,000	1,136,000	1,198,477
ENCOMPASS HEALTH CORP COMPANY GUAR 02/28 4.5%	143,000	138,768	137,983
ENCOMPASS HEALTH CORP COMPANY GUAR 02/30 4.75%	200,000	193,085	189,604
ENCOMPASS HEALTH CORP COMPANY GUAR 04/31 4.625	5,000	4,659	4,618
ENCORE CAPITAL GROUP INC SR SECURED 144A 04/29 9.25	660,000	684,349	703,165
ENCORE CAPITAL GROUP INC SR SECURED 144A 05/30 8.5	1,000,000	1,000,000	1,051,890
ENDO FINANCE HOLDINGS SR SECURED 144A 04/31 8.5	2,540,000	2,624,711	2,691,214
ENEL FINANCE INTL NV COMPANY GUAR 144A 10/39 6%	3,400,000	3,877,058	3,403,928
ENEL FINANCE INTL NV SR UNSECURED 144A 06/32 5	1,200,000	1,149,876	1,169,492
ENERGIAS DE PORTUGAL SA JR SUBORDINA REGS 05/54 VAR	200,000	220,304	211,760
ENERGIAS DE PORTUGAL SA JR SUBORDINA REGS 07/80 VAR	200,000	196,004	204,074
ENERGIAS DE PORTUGAL SA JR SUBORDINA REGS 08/81 VAR	100,000	98,813	100,975
ENERGIZER HOLDINGS INC COMPANY GUAR 144A 03/29 4.375%	557,000	552,366	517,371
ENERGIZER HOLDINGS INC COMPANY GUAR 144A 06/28 4.75%	947,000	952,140	902,397
ENERGIZER HOLDINGS INC COMPANY GUAR 144A 12/27 6.5%	818,000	806,325	819,041
ENERGY TRANSFER LP COMPANY GUAR 144A 02/31 7.375%	4,000	4,189	4,183
ENERGY TRANSFER LP COMPANY GUAR 144A 05/27 5.625	9,000	9,004	9,002
ENERGY TRANSFER LP JR SUBORDINA 10/54 VAR	215,000	212,851	217,843
ENERGY TRANSFER LP JR SUBORDINA 12/99 VAR	1,160,000	1,170,544	1,157,328
ENERGY TRANSFER LP SR UNSECURED 02/28 5.55	673,000	674,034	683,602
ENERGY TRANSFER LP SR UNSECURED 02/33 5.75%	750,000	749,369	760,281
ENERGY TRANSFER LP SR UNSECURED 04/29 5.25%	120,000	121,631	120,408
ENERGY TRANSFER LP SR UNSECURED 04/44 5.3%	50,000	46,898	44,763
ENERGY TRANSFER LP SR UNSECURED 04/49 6.25%	223,000	242,019	223,831
ENERGY TRANSFER LP SR UNSECURED 05/28 4.95	88,000	89,035	87,885
ENERGY TRANSFER LP SR UNSECURED 05/30 3.75%	2,510,000	2,369,109	2,342,005
ENERGY TRANSFER LP SR UNSECURED 05/34 5.55	260,000	264,877	258,669
ENERGY TRANSFER LP SR UNSECURED 05/50 5%	1,008,000	875,884	856,347
ENERGY TRANSFER LP SR UNSECURED 05/54 5.95	4,590,000	4,523,284	4,437,371
ENERGY TRANSFER LP SR UNSECURED 06/28 4.95%	210,000	211,366	209,669
ENERGY TRANSFER LP SR UNSECURED 06/41 6.05%	80,000	89,968	79,762
ENERGY TRANSFER LP SR UNSECURED 09/54 6.05	2,043,000	2,074,979	1,999,490
ENERGY TRANSFER LP SR UNSECURED 10/47 5.4%	925,000	843,770	831,630
ENERGY TRANSFER LP SR UNSECURED 11/29 8.25%	275,000	339,758	308,768
ENERGY TRANSFER LP SR UNSECURED 12/45 6.125%	1,800,000	1,954,013	1,778,584
ENERSYS COMPANY GUAR 144A 01/32 6.625	1,794,000	1,794,000	1,803,099
ENGIE ENERGIA CHILE SA SR UNSECURED REGS 01/30 3.4	200,000	178,114	176,460
ENGIE SA JR SUBORDINA REGS 12/99 VAR	100,000	108,665	108,238
ENGIE SA SR UNSECURED REGS 09/42 4.5%	200,000	215,958	217,874
ENGINEERING SPA SR SECURED REGS 05/28 11.125%	100,000	108,679	109,116
ENI SPA SR UNSECURED 144A 05/34 5.5%	1,000,000	1,015,251	988,630
ENI SPA SR UNSECURED 144A 05/54 5.95	900,000	889,533	866,214
ENI SPA SR UNSECURED REGS 05/33 4.25%	1,328,000	1,466,353	1,442,463
ENLINK MIDSTREAM LLC COMPANY GUAR 06/29 5.375	5,000	4,937	5,000
ENLINK MIDSTREAM LLC COMPANY GUAR 144A 01/28 5.625%	275,000	272,167	277,751
ENLINK MIDSTREAM PARTNER SR UNSECURED 04/44 5.6	468,000	412,740	429,392
ENLINK MIDSTREAM PARTNER SR UNSECURED 04/45 5.05%	815,000	744,290	700,369
ENLINK MIDSTREAM PARTNER SR UNSECURED 06/25 4.15	5,000	4,966	4,979
ENLINK MIDSTREAM PARTNER SR UNSECURED 06/47 5.45	500,000	430,705	449,802
ENLINK MIDSTREAM PARTNER SR UNSECURED 07/26 4.85	2,000	1,964	1,996
ENSEMBLE RCM LLC 2024 TERM LOAN B due 08/01/29	69,960	69,326	70,406
ENSONO LP 2021 TERM LOAN due 05/26/28	483,750	482,111	483,058
ENSTAR FINANCE LLC COMPANY GUAR 01/42 VAR	625,000	607,992	596,807
ENTEGRIS ESCROW CORP COMPANY GUAR 144A 06/30 5.95%	1,015,000	955,791	1,006,739
ENTEGRIS ESCROW CORP SR SECURED 144A 04/29 4.75%	950,000	893,363	909,632
ENERGY ARKANSAS LLC 1ST MORTGAGE 06/34 5.45%	1,000,000	1,021,979	1,014,494
ENERGY LOUISIANA LLC 1ST MORTGAGE 03/34 5.35	1,000,000	998,345	999,385
ENTERPRISE FLEET FINANCING LLC EFF 2022 3 A3 144A	293,000	292,941	291,045

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ENTERPRISE FLEET FINANCING LLC EFF 2023 2 A2 144A	1,378,471	1,378,285	1,390,356
ENTERPRISE FLEET FINANCING LLC EFF 2023 2 A3 144A	327,000	326,943	331,632
ENTERPRISE FLEET FINANCING LLC EFF 2023 3 A2 144A	858,065	858,053	874,241
ENTERPRISE FLEET FINANCING LLC EFF 2024 1 A3 144A	130,000	129,966	131,373
ENTERPRISE FLEET FINANCING LLC EFF 2024 3 A3 144A	614,000	613,914	617,562
ENTERPRISE FLEET FINANCING LLC EFF 2024 3 A4 144A	199,000	198,998	199,905
ENTERPRISE FLEET FINANCING LLC EFF 2024 4 A3 144A	573,000	572,934	570,393
ENTERPRISE FLEET FINANCING LLC EFF 2024 4 A4 144A	74,000	73,977	73,504
ENTERPRISE PRODUCTS OPER COMPANY GUAR 01/26 5.05%	7,241,000	7,279,757	7,277,079
ENTERPRISE PRODUCTS OPER COMPANY GUAR 01/30 2.8%	470,000	430,452	425,006
ENTERPRISE PRODUCTS OPER COMPANY GUAR 01/34 4.85	960,000	948,160	928,817
ENTERPRISE PRODUCTS OPER COMPANY GUAR 01/51 3.7%	710,000	538,922	510,066
ENTERPRISE PRODUCTS OPER COMPANY GUAR 02/25 3.75%	13,895,000	13,868,131	13,874,997
ENTERPRISE PRODUCTS OPER COMPANY GUAR 02/35 4.95%	7,000,000	6,983,848	6,777,642
ENTERPRISE PRODUCTS OPER COMPANY GUAR 02/55 5.55%	10,000	10,124	9,636
ENTERPRISE PRODUCTS OPER COMPANY GUAR 02/78 VAR	150,000	144,607	143,265
ENTERPRISE PRODUCTS OPER COMPANY GUAR 03/44 4.85%	90,000	84,395	80,556
ENTERPRISE PRODUCTS OPER COMPANY GUAR 04/38 7.55%	100,000	120,071	117,109
ENTERPRISE PRODUCTS OPER COMPANY GUAR 10/28 4.15%	1,380,000	1,360,520	1,347,014
ENTERPRISE PRODUCTS OPER COMPANY GUAR 10/34 6.65%	240,000	267,760	260,986
EOG RESOURCES INC SR UNSECURED 04/30 4.375%	120,000	118,481	116,674
EOG RESOURCES INC SR UNSECURED 04/35 3.9%	310,000	283,954	275,752
EOG RESOURCES INC SR UNSECURED 04/50 4.95%	240,000	224,774	213,733
EOG RESOURCES INC SR UNSECURED 12/54 5.65%	1,285,000	1,277,448	1,260,086
EPHIOS SUBCO SARL SR SECURED REGS 01/31 7.875%	120,000	129,378	135,274
EPIC CRUDE SERVICES LP 2024 TERM LOAN B due 10/15/31	916,579	916,400	923,783
EPIC Y GRADE SERVICES, LP 2024 TERM LOAN B due 06/29/29	703,238	687,998	703,786
EPR PROPERTIES SR UNSECURED 08/29 3.75%	400,000	360,720	370,495
EQM MIDSTREAM PARTNERS L SR UNSECURED 144A 01/29 4.5%	70,000	69,738	66,635
EQM MIDSTREAM PARTNERS L SR UNSECURED 144A 01/31 4.75%	1,474,000	1,412,126	1,386,193
EQM MIDSTREAM PARTNERS L SR UNSECURED 144A 04/29 6.375	520,000	525,905	521,750
EQM MIDSTREAM PARTNERS L SR UNSECURED 144A 06/27 7.5%	43,000	43,061	43,847
EQM MIDSTREAM PARTNERS L SR UNSECURED 144A 06/30 7.5%	47,000	47,137	49,993
EQM MIDSTREAM PARTNERS L SR UNSECURED 144A 07/27 6.5%	3,212,000	3,285,622	3,253,653
EQT CORP SR UNSECURED 01/29 5%	3,963,000	3,947,539	3,906,153
EQT CORP SR UNSECURED 02/34 5.75%	211,000	212,299	210,050
EQT CORP SR UNSECURED 04/28 5.7%	225,000	229,164	228,119
EQT CORP SR UNSECURED 10/27 3.9%	7,134,000	6,855,545	6,937,015
EQT CORP SR UNSECURED 144A 05/31 3.625%	1,351,000	1,322,185	1,204,530
EQT TRUST 2024 EXTR EQT 2024 EXTR A 144A	1,223,000	1,229,907	1,222,701
EQT TRUST 2024 EXTR EQT 2024 EXTR C 144A	1,211,000	1,210,979	1,205,979
EQUIFAX INC SR UNSECURED 05/30 3.1%	900,000	946,906	815,708
EQUINIX INC SR UNSECURED 03/28 1.55%	1,164,000	1,052,769	1,048,432
EQUINIX INC SR UNSECURED 04/32 3.9	265,000	241,260	244,228
EQUINIX INC SR UNSECURED 05/28 2%	2,000	1,803	1,820
EQUINIX INC SR UNSECURED 05/31 2.5%	2,844,000	2,424,845	2,430,502
EQUINIX INC SR UNSECURED 07/30 2.15	1,704,000	1,679,368	1,466,669
EQUINIX INC SR UNSECURED 11/29 3.2%	470,000	446,063	432,032
EQUIPMENTSHARE EQS 2024 1C A 144A	1,123,444	1,123,315	1,130,158
EQUIPMENTSHARE EQS 2024 1C B 144A	442,373	442,321	443,579
EQUIPMENTSHARE EQS 2024 2M A 144A	3,150,000	3,149,277	3,138,400
EQUIPMENTSHARE.COM INC SECURED 144A 05/28 9%	2,810,000	2,733,683	2,914,532
EQUIPMENTSHARE.COM INC SECURED 144A 05/32 8.625	790,000	794,380	825,588
EQUIPMENTSHARE.COM INC SR SECURED 144A 03/33 8%	215,000	215,000	217,726
EQUITABLE FINANCIAL LIFE SECURED 144A 01/26 1%	2,000,000	1,925,747	1,927,087
EQUITABLE FINANCIAL LIFE SECURED 144A 07/25 1.4%	2,100,000	2,055,460	2,065,558
EQUITABLE FINANCIAL LIFE SECURED 144A 12/25 5.5%	1,255,000	1,268,269	1,265,083
ERAC USA FINANCE LLC COMPANY GUAR 144A 02/29 5	333,000	332,791	334,277
ERAC USA FINANCE LLC COMPANY GUAR 144A 05/28 4.6%	3,431,000	3,422,191	3,408,957
ERAC USA FINANCE LLC COMPANY GUAR 144A 11/25 3.8%	10,060,000	9,997,095	9,990,874
ESAB CORP COMPANY GUAR 144A 04/29 6.25	1,550,000	1,550,140	1,569,281

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ESC LEHMAN BRTH HLDH PROD%	50,301	-	35
ESKOM HOLDINGS SOC LTD GOVT GUARANT 144A 08/28 6.35%	745,000	749,123	739,413
ESKOM HOLDINGS SOC LTD SR UNSECURED 144A 02/25 7.125%	1,740,000	1,738,724	1,738,632
ESKOM HOLDINGS SOC LTD SR UNSECURED 144A 08/28 8.45%	200,000	206,048	209,603
ESSEX PORTFOLIO LP COMPANY GUAR 01/30 3%	950,000	943,204	859,221
ESSEX PORTFOLIO LP COMPANY GUAR 03/32 2.65%	800,000	826,282	674,669
EUROGRID GMBH COMPANY GUAR REGS 09/31 3.279%	1,200,000	1,254,630	1,244,095
EUROPEAN BK RECON + DEV SR UNSECURED 03/31 6.75%	23,500,000	279,266	269,441
EUROPEAN INVESTMENT BANK SR UNSECURED 11/29 3.75%	1,880,000	1,875,768	1,821,279
EVERGREEN ACQCO 1 LP 2021 USD TERM LOAN due 04/26/28	441,609	442,934	442,161
EVERGREEN ACQCO/TVI INC SR SECURED 144A 04/28 9.75%	608,000	605,089	639,254
EVERGY INC SUBORDINATED 06/55 VAR	350,000	353,116	351,064
EVERSOURCE ENERGY SR UNSECURED 03/28 5.45	76,000	77,535	76,991
EVERSOURCE ENERGY SR UNSECURED 05/26 4.75%	646,000	643,298	645,423
EXELON CORP SR UNSECURED 03/34 5.45	1,750,000	1,747,355	1,747,400
EXELON CORP SR UNSECURED 03/52 4.1%	105,000	83,255	79,945
EXELON CORP SR UNSECURED 03/53 5.6%	726,000	706,211	699,815
EXELON CORP SR UNSECURED 04/30 4.05%	700,000	699,175	667,229
EXETER AUTOMOBILE RECEIVABLES EART 2023 1A D	1,525,000	1,524,874	1,552,491
EXETER AUTOMOBILE RECEIVABLES EART 2024 2A A2	1,082,403	1,082,390	1,082,869
EXETER AUTOMOBILE RECEIVABLES EART 2024 5A A2	800,000	799,970	800,258
EXGEN RENEWABLES IV LLC 2020 TERM LOAN due 12/15/27	820,098	822,210	822,533
EXPEDIA GROUP INC COMPANY GUAR 02/30 3.25%	125,000	113,018	115,226
EXPEDIA GROUP INC COMPANY GUAR 03/31 2.95%	150,000	149,103	132,130
EXPEDIA GROUP INC COMPANY GUAR 08/27 4.625%	173,000	173,003	172,264
EXPEDIA GROUP INC COMPANY GUAR 144A 05/25 6.25%	44,000	44,282	44,030
EXPORT IMPORT BK INDIA SR UNSECURED 144A 01/30 3.25%	600,000	626,147	547,827
EXPORT IMPORT BK INDIA SR UNSECURED REGS 01/30 3.25%	2,400,000	2,448,708	2,191,309
EXPORT IMPORT BK INDIA SR UNSECURED REGS 01/31 2.25%	467,000	423,064	393,830
EXPORT IMPORT BK INDIA SR UNSECURED REGS 01/33 5.5%	458,000	456,170	461,301
EXPORT IMPORT BK INDIA SR UNSECURED REGS 08/26 3.375%	200,000	205,128	195,238
EXTENDED STAY AMERICA TRUST ESA 2021 ESH B 144A	1,056,949	1,051,775	1,057,610
EXTENDED STAY AMERICA TRUST ESA 2021 ESH C 144A	1,453,305	1,444,454	1,455,121
EXTRA SPACE STORAGE LP COMPANY GUAR 01/35 5.35%	560,000	552,464	552,511
EXTRA SPACE STORAGE LP COMPANY GUAR 04/28 5.7%	528,000	543,306	539,010
EXTRA SPACE STORAGE LP COMPANY GUAR 06/29 4%	971,000	1,028,600	929,141
EXXON MOBIL CORPORATION SR UNSECURED 03/25 2.709	20,755,000	20,666,645	20,689,019
EXXON MOBIL CORPORATION SR UNSECURED 03/30 3.482%	500,000	475,763	471,123
EXXON MOBIL CORPORATION SR UNSECURED 03/46 4.114%	260,000	221,725	211,115
EXXON MOBIL CORPORATION SR UNSECURED 03/50 4.327%	100,000	86,619	82,349
EXXON MOBIL CORPORATION SR UNSECURED 04/51 3.452%	621,000	459,484	435,979
FABBRICA ITA SINTETICI SR SECURED REGS 08/27 5.625%	300,000	314,805	313,091
FAGE INTL / FAGE USA COMPANY GUAR 144A 08/26 5.625%	317,000	316,459	314,125
FAIR ISAAC CORP SR UNSECURED 144A 05/26 5.25%	964,000	997,734	961,329
FAIR ISAAC CORP SR UNSECURED 144A 06/28 4	3,000	2,839	2,831
FAIRFAX FINL HLDGS LTD SR UNSECURED 04/30 4.625%	900,000	900,000	877,996
FALABELLA SA SR UNSECURED 144A 01/32 3.375%	230,000	228,535	188,131
FANNIE MAE CAS CAS 2015 C03 1M2	1,506,176	1,535,228	1,535,197
FANNIE MAE CAS CAS 2021 R01 1M2 144A	885,151	885,151	889,241
FANNIE MAE CAS CAS 2022 R01 1M2 144A	3,315,000	3,275,465	3,362,262
FANNIE MAE CAS CAS 2022 R03 1M2 144A	5,219,000	5,419,811	5,479,950
FANNIE MAE CAS CAS 2022 R04 1M2 144A	7,518,181	7,679,336	7,815,890
FANNIE MAE CAS CAS 2022 R06 1M2 144A	1,765,000	1,874,252	1,870,075
FANNIE MAE CAS CAS 2022 R07 1M2 144A	2,415,000	2,556,944	2,609,707
FANNIE MAE CAS CAS 2023 R02 1M1 144A	1,283,019	1,283,019	1,312,737
FANNIE MAE CAS CAS 2023 R03 2M2 144A	200,000	211,674	215,092
FANNIE MAE CAS CAS 2023 R05 1M2 144A	500,000	500,000	526,787
FANNIE MAE CAS CAS 2024 R01 1M2 144A	3,125,000	3,154,068	3,153,835
FANNIE MAE CAS CAS 2024 R02 1M2 144A	1,975,000	1,975,683	1,992,776
FANNIE MAE CAS CAS 2024 R04 1M2 144A	1,686,000	1,686,000	1,692,164
FANNIE MAE CAS CAS 2024 R05 2M1 144A	657,260	657,260	657,550

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities		Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value	
FANNIE MAE CAS CAS 2024 R05 2M2 144A	550,000	550,000	552,623	
FANNIE MAE FNR 2000 32 SM	18,571	1,565	1,392	
FANNIE MAE FNR 2001 79 BA	74,538	74,373	75,592	
FANNIE MAE FNR 2002 76 PH	50,760	53,608	51,583	
FANNIE MAE FNR 2002 90 A1	426,076	420,934	435,114	
FANNIE MAE FNR 2003 23 CH	61,609	65,326	61,782	
FANNIE MAE FNR 2003 25 IK	30,006	6,356	4,253	
FANNIE MAE FNR 2003 32 UI	36,419	8,595	5,212	
FANNIE MAE FNR 2003 33 IA	50,006	5,852	7,533	
FANNIE MAE FNR 2003 35 IU	19,885	3,617	3,098	
FANNIE MAE FNR 2003 41 OZ	191,308	189,334	177,918	
FANNIE MAE FNR 2003 49 IO	23,050	4,446	3,400	
FANNIE MAE FNR 2004 38 FK	51,187	50,752	50,738	
FANNIE MAE FNR 2005 17 EX	75,000	78,983	74,083	
FANNIE MAE FNR 2006 118 A2	57,773	56,113	56,558	
FANNIE MAE FNR 2010 123 PM	365,493	362,183	362,281	
FANNIE MAE FNR 2010 27 AS	201,876	23,035	21,282	
FANNIE MAE FNR 2011 112 PB	945,364	987,585	900,031	
FANNIE MAE FNR 2011 116 ZA	7,240,182	7,453,075	6,689,277	
FANNIE MAE FNR 2011 52 GB	520,309	559,043	522,556	
FANNIE MAE FNR 2011 96 SA	559,353	42,398	40,827	
FANNIE MAE FNR 2011 99 DB	456,143	490,150	458,086	
FANNIE MAE FNR 2012 111 B	89,201	98,060	94,456	
FANNIE MAE FNR 2012 118 VZ	470,110	422,858	416,026	
FANNIE MAE FNR 2012 120 PB	263,131	245,668	219,082	
FANNIE MAE FNR 2012 129 IC	238,116	18,421	5,646	
FANNIE MAE FNR 2012 131 MI	209,447	21,744	3,209	
FANNIE MAE FNR 2012 133 CS	182,150	17,289	15,812	
FANNIE MAE FNR 2012 134 MS	102,558	11,349	10,116	
FANNIE MAE FNR 2012 144 PB	314,663	262,661	253,746	
FANNIE MAE FNR 2012 153 B	324,098	356,193	347,070	
FANNIE MAE FNR 2012 28 B	13,830	14,173	14,152	
FANNIE MAE FNR 2012 46 BA	155,009	161,452	159,474	
FANNIE MAE FNR 2012 51 B	227,919	243,500	240,728	
FANNIE MAE FNR 2012 68 SL	2,143,930	356,729	181,448	
FANNIE MAE FNR 2012 74 OA	12,896	11,175	11,132	
FANNIE MAE FNR 2012 74 SA	141,855	10,252	9,934	
FANNIE MAE FNR 2012 75 AO	6,448	5,751	5,731	
FANNIE MAE FNR 2012 75 NS	39,226	4,734	4,384	
FANNIE MAE FNR 2012 99 SL	1,722,709	415,656	185,998	
FANNIE MAE FNR 2013 1 MD	172,000	157,821	143,812	
FANNIE MAE FNR 2013 10 FA	730,166	729,710	713,216	
FANNIE MAE FNR 2013 106 MA	817,386	849,938	805,486	
FANNIE MAE FNR 2013 126 CS	425,274	25,464	24,537	
FANNIE MAE FNR 2013 15 EB	250,000	239,125	220,530	
FANNIE MAE FNR 2013 26 HI	12,056	330	318	
FANNIE MAE FNR 2013 43 XL	730,000	639,351	617,002	
FANNIE MAE FNR 2013 73 IA	75,825	3,072	3,006	
FANNIE MAE FNR 2013 9 BC	888,094	933,060	922,227	
FANNIE MAE FNR 2013 9 CB	712,127	725,631	720,432	
FANNIE MAE FNR 2013 9 LB	290,452	226,619	193,200	
FANNIE MAE FNR 2014 1 KF	4,823,551	4,828,632	4,770,704	
FANNIE MAE FNR 2014 58 MZ	4,868,483	4,366,571	4,501,882	
FANNIE MAE FNR 2014 6 Z	788,051	680,505	668,265	
FANNIE MAE FNR 2014 61 ZV	1,156,274	1,050,318	1,004,205	
FANNIE MAE FNR 2015 39 LZ	40,989	35,975	35,265	
FANNIE MAE FNR 2015 56 AS	96,605	11,308	10,069	
FANNIE MAE FNR 2015 65 CZ	277,136	237,617	228,916	
FANNIE MAE FNR 2016 31 VS	2,943,298	595,907	294,979	
FANNIE MAE FNR 2016 53 KS	1,828,424	294,367	181,529	
FANNIE MAE FNR 2016 57 SA	4,597,551	724,774	464,994	

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FANNIE MAE FNR 2016 93 SL	3,450,546	632,807	234,120
FANNIE MAE FNR 2017 109 SA	2,030,185	366,807	224,257
FANNIE MAE FNR 2017 20 SA	1,975,993	320,987	194,787
FANNIE MAE FNR 2017 54 SN	2,570,462	479,572	282,525
FANNIE MAE FNR 2017 72 B	2,283,641	2,324,481	2,055,600
FANNIE MAE FNR 2018 66 SM	2,183,283	385,746	238,187
FANNIE MAE FNR 2018 7 CI	2,177,177	365,642	416,233
FANNIE MAE FNR 2018 74 AB	180,351	165,242	162,339
FANNIE MAE FNR 2018 74 SA	3,140,913	507,426	338,478
FANNIE MAE FNR 2019 33 SB	7,025,017	1,323,651	692,317
FANNIE MAE FNR 2019 60 SH	1,950,999	365,282	191,694
FANNIE MAE FNR 2019 67 SE	3,361,591	655,748	368,384
FANNIE MAE FNR 2019 9 FA	172,249	170,755	170,083
FANNIE MAE FNR 2020 24 MI	2,838,362	491,245	563,886
FANNIE MAE FNR 2020 37 FD	1,944,777	1,935,116	1,916,987
FANNIE MAE FNR 2020 56 AQ	700,000	545,261	533,345
FANNIE MAE FNR 2020 56 DI	287,308	47,314	46,718
FANNIE MAE FNR 2020 57 TA	967,608	831,742	822,838
FANNIE MAE FNR 2020 61 NI	617,648	101,427	100,663
FANNIE MAE FNR 2020 62 AI	661,953	108,655	108,556
FANNIE MAE FNR 2020 73 KI	582,980	93,226	95,881
FANNIE MAE FNR 2020 84 DI	2,792,390	403,925	519,520
FANNIE MAE FNR 2020 96 IN	366,059	63,968	63,594
FANNIE MAE FNR 2021 3 NI	673,102	100,400	102,691
FANNIE MAE FNR 2021 3 TI	16,058,485	2,543,374	2,617,389
FANNIE MAE FNR 2021 43 IO	2,076,290	318,834	318,029
FANNIE MAE FNR 2021 44 MI	864,458	150,050	149,640
FANNIE MAE FNR 2021 52 CI	794,875	111,112	111,875
FANNIE MAE FNR 2021 65 JA	264,956	231,880	229,632
FANNIE MAE FNR 2021 77 WI	701,930	115,613	115,769
FANNIE MAE FNR 2021 88 IO	279,753	39,523	38,314
FANNIE MAE FNR 2022 18 PI	945,479	201,796	205,746
FANNIE MAE FNR 2022 22 IO	1,307,667	203,124	220,406
FANNIE MAE FNR 2022 27 SJ	8,131,867	659,854	716,256
FANNIE MAE FNR 2022 57 BC	76,755	70,790	69,593
FANNIE MAE FNR 2022 86 IO	704,877	98,553	101,051
FANNIE MAE FNR 2023 2 CI	2,729,013	347,018	341,963
FANNIE MAE FNR 2023 36 AO	504,872	363,150	353,049
FANNIE MAE FNR 2024 30 FC	819,007	819,260	817,211
FANNIE MAE FNR 2024 38 FE	928,804	929,951	927,604
FANNIE MAE FNR 2024 5 DI	2,061,638	371,219	371,577
FANNIE MAE FNR 2024 51 BF	413,930	415,214	414,543
FANNIE MAE FNR 2024 89 FD	1,831,915	1,830,201	1,830,333
FANNIE MAE NOTES 01/25 1.625%	3,030,000	3,028,775	3,029,043
FANNIE MAE NOTES 08/35 1.53%	7,205,000	5,358,731	5,142,454
FANNIE MAE NOTES 08/35 1.55%	706,000	526,009	505,719
FANNIE MAE NOTES 08/35 1.6%	1,325,000	1,007,195	952,389
FANNIE MAE NOTES 11/35 1.78%	1,160,000	880,923	847,875
FANNIE MAE STRIP 05/30	3,539,000	3,180,221	2,768,469
FANNIEMAE ACES FNA 2016 M11 AL	115,531	103,534	101,631
FANNIEMAE ACES FNA 2018 M15 1A2	700,000	655,202	640,106
FANNIEMAE ACES FNA 2022 M1S A2	440,000	395,225	365,158
FANNIEMAE ACES FNA 2022 M5 A3	1,180,000	1,149,755	959,351
FANNIEMAE ACES FNA 2023 M1 1A	619,123	570,552	578,354
FANNIEMAE GRANTOR TRUST FNGT 2001 T1 A1	300,080	305,074	302,051
FANNIEMAE GRANTOR TRUST FNGT 2001 T4 A1	438,059	450,882	443,118
FANNIEMAE GRANTOR TRUST FNGT 2001 T8 A1	134,289	133,476	135,729
FANNIEMAE STRIP FNS 303 IO	27,359	398	3,192
FANNIEMAE STRIP FNS 306 IO	23,410	4,882	3,092
FANNIEMAE STRIP FNS 307 IO	3,481	573	443
FANNIEMAE STRIP FNS 313 2	13,323	826	1,471

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FANNIEMAE STRIP FNS 320 2	7,802	1,612	1,212
FANNIEMAE STRIP FNS 409 C1	73,566	1,262	1,206
FANNIEMAE STRIP FNS 409 C13	234,348	35,268	35,004
FANNIEMAE STRIP FNS 409 C17	226,985	41,291	41,003
FANNIEMAE STRIP FNS 409 C18	366,116	63,964	81,276
FANNIEMAE STRIP FNS 409 C2	92,214	2,470	2,411
FANNIEMAE STRIP FNS 409 C22	37,562	6,552	6,538
FANNIEMAE STRIP FNS 418 C24	696,640	120,893	129,021
FANNIEMAE STRIP FNS 427 C21	1,546,065	194,272	193,457
FANNIEMAE STRIP FNS 427 C73	1,134,441	189,529	188,756
FANNIEMAE STRIP FNS 428 C14	823,281	93,300	90,282
FANNIEMAE STRIP FNS 434 C29	5,437,274	699,659	696,715
FANNIEMAE STRIP FNS 436 C32	17,206,918	2,246,417	2,230,614
FANNIEMAE STRIP FNS 440 C6	1,795,541	223,025	228,214
FANNIEMAE WHOLE LOAN FNW 2001 W3 A	173,106	175,359	172,104
FANNIEMAE WHOLE LOAN FNW 2002 W6 2A1	213,461	212,702	211,180
FANNIEMAE WHOLE LOAN FNW 2003 W18 1A7	447,046	463,239	437,862
FANNIEMAE WHOLE LOAN FNW 2003 W2 1A1	142,191	138,869	146,085
FANNIEMAE WHOLE LOAN FNW 2003 W6 3A	148,647	148,844	150,279
FANNIEMAE WHOLE LOAN FNW 2004 W2 2A2	116,307	110,030	119,865
FANNIEMAE WHOLE LOAN FNW 2004 W2 5A	48,820	47,611	50,287
FANNIEMAE WHOLE LOAN FNW 2006 W1 1A1	184,931	183,017	187,974
FANNIEMAE WHOLE LOAN FNW 2006 W1 1A3	247,004	244,322	253,077
FANTASIA HOLDINGS GROUP SR SECURED REGS 01/23 10.875%	455,000	455,000	8,704
FANTASIA HOLDINGS GROUP SR SECURED REGS 07/22 7.95%	490,000	490,000	12,250
FANTASIA HOLDINGS GROUP SR SECURED REGS 10/22 12.25%	445,000	445,000	11,125
FED CAISSES DESJARDINS SR UNSECURED 144A 02/25 2.05	4,774,000	4,756,441	4,760,115
FED CAISSES DESJARDINS SR UNSECURED 144A 08/25 4.4%	12,390,000	12,362,568	12,365,455
FED HM LN PC POOL 1B7323 FH 01/37 FLT	59,322	60,434	60,967
FED HM LN PC POOL 1G0480 FH 05/35 FLT	91,969	95,024	93,180
FED HM LN PC POOL 1G1286 FH 11/36 FLT	8,312	8,447	8,410
FED HM LN PC POOL 1N1434 FH 04/37 FLT	25,465	25,746	25,335
FED HM LN PC POOL 1Q0379 FH 11/37 FLT	20,591	21,330	20,906
FED HM LN PC POOL 2B3797 FH 02/45 FLT	648,573	668,128	665,583
FED HM LN PC POOL 2B4443 FH 07/45 FLT	599,944	614,739	618,118
FED HM LN PC POOL 841463 FH 07/52 FLT	4,779,072	4,446,258	4,218,094
FED HM LN PC POOL 849207 FH 08/42 FLT	127,879	131,374	132,316
FED HM LN PC POOL 849278 FH 04/44 FLT	298,845	308,668	306,536
FED HM LN PC POOL 849505 FH 10/44 FLT	314,699	324,695	323,721
FED HM LN PC POOL 849506 FH 11/44 FLT	883,123	913,160	910,592
FED HM LN PC POOL 849625 FH 01/45 FLT	584,218	605,341	599,977
FED HM LN PC POOL 8C0292 FH 07/52 FLOATING VAR	934,493	882,529	901,309
FED HM LN PC POOL A10450 FG 06/33 FIXED 5%	627	654	626
FED HM LN PC POOL A11045 FG 08/33 FIXED 5%	214	223	212
FED HM LN PC POOL A12093 FG 08/33 FIXED 5%	1,107	1,142	1,104
FED HM LN PC POOL A12118 FG 08/33 FIXED 5%	1,924	2,023	1,910
FED HM LN PC POOL A12255 FG 08/33 FIXED 5%	415	433	412
FED HM LN PC POOL A12330 FG 08/33 FIXED 5%	215	224	213
FED HM LN PC POOL A12403 FG 08/33 FIXED 5%	326	336	325
FED HM LN PC POOL A12413 FG 08/33 FIXED 5%	15,377	16,036	15,328
FED HM LN PC POOL A12886 FG 08/33 FIXED 5%	374	390	373
FED HM LN PC POOL A12911 FG 09/33 FIXED 5%	352	367	353
FED HM LN PC POOL A13707 FG 09/33 FIXED 5%	2,380	2,490	2,372
FED HM LN PC POOL A13717 FG 09/33 FIXED 5%	369	404	367
FED HM LN PC POOL A14092 FG 05/33 FIXED 5%	97	106	97
FED HM LN PC POOL A14237 FG 10/33 FIXED 5%	3,636	3,759	3,610
FED HM LN PC POOL A14554 FG 11/33 FIXED 5%	2,653	2,787	2,634
FED HM LN PC POOL A14617 FG 10/33 FIXED 5%	72	74	71
FED HM LN PC POOL A14805 FG 10/33 FIXED 5%	783	817	777
FED HM LN PC POOL A15349 FG 11/33 FIXED 5%	606	650	604
FED HM LN PC POOL A16203 FG 04/31 FIXED 7.5%	3,785	3,907	3,808

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL A16328 FG 12/27 FIXED 7.5%	7,502	7,603	7,532
FED HM LN PC POOL A16549 FG 12/33 FIXED 5%	129	142	129
FED HM LN PC POOL A18301 FG 02/34 FIXED 5%	600	626	602
FED HM LN PC POOL A18578 FG 02/34 FIXED 5%	307	328	305
FED HM LN PC POOL A18781 FG 03/34 FIXED 5%	569	595	566
FED HM LN PC POOL A19080 FG 02/34 FIXED 5%	122	127	120
FED HM LN PC POOL A19529 FG 03/34 FIXED 5%	1,414	1,489	1,404
FED HM LN PC POOL A19678 FG 03/34 FIXED 5%	1,401	1,486	1,391
FED HM LN PC POOL A20041 FG 03/34 FIXED 5%	1,492	1,555	1,481
FED HM LN PC POOL A20958 FG 04/34 FIXED 5%	253	264	255
FED HM LN PC POOL A21045 FG 04/34 FIXED 5%	1,666	1,749	1,673
FED HM LN PC POOL A21227 FG 04/34 FIXED 5%	538	562	534
FED HM LN PC POOL A21328 FG 04/34 FIXED 5%	2,324	2,461	2,307
FED HM LN PC POOL A21418 FG 05/34 FIXED 5%	225	235	223
FED HM LN PC POOL A22377 FG 05/34 FIXED 5%	151	166	150
FED HM LN PC POOL A23640 FG 06/34 FIXED 5%	1,450	1,543	1,439
FED HM LN PC POOL A25160 FG 06/34 FIXED 5%	77,684	82,612	77,461
FED HM LN PC POOL A30096 FG 12/34 FIXED 5%	46,575	48,897	46,243
FED HM LN PC POOL A30172 FG 12/34 FIXED 5%	93,915	98,403	93,237
FED HM LN PC POOL A45807 FG 04/35 FIXED 5%	249	262	249
FED HM LN PC POOL A58023 FG 03/37 FIXED 5%	4,491	4,729	4,452
FED HM LN PC POOL A61634 FG 06/34 FIXED 5%	10,511	11,098	10,436
FED HM LN PC POOL A65038 FG 08/37 FIXED 5%	13,967	14,592	13,717
FED HM LN PC POOL A83883 FG 11/34 FIXED 5%	2,170	2,299	2,154
FED HM LN PC POOL A83886 FG 11/33 FIXED 5%	1,070	1,135	1,066
FED HM LN PC POOL A85726 FG 04/39 FIXED 5%	33,121	34,999	33,037
FED HM LN PC POOL A85739 FG 04/39 FIXED 5%	35,436	37,365	35,347
FED HM LN PC POOL A86312 FG 05/39 FIXED 5%	29,828	31,342	29,753
FED HM LN PC POOL A86576 FG 01/34 FIXED 5%	649	678	645
FED HM LN PC POOL A88177 FG 09/39 FIXED 4%	1,492	1,564	1,409
FED HM LN PC POOL A90196 FG 12/39 FIXED 4.5%	36,637	39,183	35,555
FED HM LN PC POOL A93010 FG 07/40 FIXED 4.5%	13,268	14,200	12,876
FED HM LN PC POOL A93463 FG 08/40 FIXED 5%	2,394	2,539	2,388
FED HM LN PC POOL A93511 FG 08/40 FIXED 5%	30,057	31,863	29,981
FED HM LN PC POOL A93534 FG 08/40 FIXED 4%	22,716	23,772	21,453
FED HM LN PC POOL A93786 FG 09/40 FIXED 4%	79,253	83,806	74,847
FED HM LN PC POOL A94779 FG 11/40 FIXED 4%	12,675	13,213	11,971
FED HM LN PC POOL A94977 FG 11/40 FIXED 4%	26,442	27,517	24,972
FED HM LN PC POOL A95090 FG 11/40 FIXED 4.5%	1,302	1,358	1,264
FED HM LN PC POOL A95144 FG 11/40 FIXED 4%	24,981	26,067	23,593
FED HM LN PC POOL A95923 FG 10/40 FIXED 4%	18,487	19,211	17,459
FED HM LN PC POOL A97420 FG 03/41 FIXED 4%	398,247	418,538	376,106
FED HM LN PC POOL A97473 FG 03/41 FIXED 4.5%	14,502	15,000	14,074
FED HM LN PC POOL A97620 FG 03/41 FIXED 4.5%	105,509	110,374	102,391
FED HM LN PC POOL C00551 FG 09/27 FIXED 8%	177	180	181
FED HM LN PC POOL C00778 FG 06/29 FIXED 7%	334	338	346
FED HM LN PC POOL C00781 FG 04/29 FIXED 6.5%	2,027	2,063	2,111
FED HM LN PC POOL C00836 FG 07/29 FIXED 7%	1,127	1,153	1,169
FED HM LN PC POOL C00875 FG 10/29 FIXED 7.5%	112	121	116
FED HM LN PC POOL C00879 FG 10/29 FIXED 8%	34	37	35
FED HM LN PC POOL C00887 FG 11/29 FIXED 8%	2,208	2,287	2,285
FED HM LN PC POOL C00922 FG 02/30 FIXED 8%	75	82	78
FED HM LN PC POOL C00972 FG 04/30 FIXED 8%	929	970	971
FED HM LN PC POOL C01034 FG 08/30 FIXED 8%	716	777	745
FED HM LN PC POOL C01035 FG 08/30 FIXED 8.5%	31,859	33,110	33,307
FED HM LN PC POOL C01051 FG 09/30 FIXED 8%	976	1,016	1,015
FED HM LN PC POOL C01104 FG 12/30 FIXED 8%	52	56	54
FED HM LN PC POOL C01132 FG 01/31 FIXED 8%	375	406	378
FED HM LN PC POOL C01135 FG 02/31 FIXED 7.5%	257	263	264
FED HM LN PC POOL C01152 FG 03/31 FIXED 7.5%	72	78	74
FED HM LN PC POOL C01417 FG 08/32 FIXED 7.5%	4,114	4,270	4,247

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL C01441 FG 10/32 FIXED 7.5%	464	476	478
FED HM LN PC POOL C01574 FG 06/33 FIXED 5%	388	405	387
FED HM LN PC POOL C01585 FG 07/33 FIXED 5%	5,265	5,600	5,248
FED HM LN PC POOL C01598 FG 08/33 FIXED 5%	5,271	5,607	5,255
FED HM LN PC POOL C01724 FG 12/33 FIXED 5%	1,559	1,659	1,554
FED HM LN PC POOL C01811 FG 04/34 FIXED 5%	755	780	750
FED HM LN PC POOL C04530 FG 11/41 FIXED 4%	10,345	10,941	9,757
FED HM LN PC POOL C09042 FG 05/43 FIXED 3.5%	82,472	83,697	75,040
FED HM LN PC POOL C22849 FG 03/29 FIXED 6.5%	1,340	1,353	1,370
FED HM LN PC POOL C26927 FG 05/29 FIXED 7%	2,279	2,314	2,363
FED HM LN PC POOL C27614 FG 06/29 FIXED 6.5%	7,804	7,882	7,999
FED HM LN PC POOL C32288 FG 10/29 FIXED 7.5%	1,784	1,831	1,789
FED HM LN PC POOL C32832 FG 11/29 FIXED 7%	375	380	389
FED HM LN PC POOL C34753 FG 12/29 FIXED 7.5%	4,379	4,499	4,389
FED HM LN PC POOL C37436 FG 01/30 FIXED 8%	24,359	24,531	25,517
FED HM LN PC POOL C37856 FG 04/30 FIXED 8.5%	1,702	1,755	1,712
FED HM LN PC POOL C37867 FG 04/30 FIXED 8%	18	18	18
FED HM LN PC POOL C38558 FG 05/30 FIXED 8%	46	50	46
FED HM LN PC POOL C39758 FG 07/30 FIXED 8%	471	481	470
FED HM LN PC POOL C41531 FG 08/30 FIXED 8%	270	276	269
FED HM LN PC POOL C41561 FG 08/30 FIXED 8%	10,432	10,691	10,534
FED HM LN PC POOL C41633 FG 08/30 FIXED 8%	208	212	208
FED HM LN PC POOL C41674 FG 08/30 FIXED 8%	101	109	100
FED HM LN PC POOL C42132 FG 09/30 FIXED 8%	596	609	602
FED HM LN PC POOL C44957 FG 11/30 FIXED 8%	78	85	79
FED HM LN PC POOL C45652 FG 12/30 FIXED 8%	11,367	11,665	11,417
FED HM LN PC POOL C45692 FG 12/30 FIXED 7.5%	809	827	808
FED HM LN PC POOL C46047 FG 12/30 FIXED 8%	412	447	411
FED HM LN PC POOL C46251 FG 01/31 FIXED 8%	395	404	396
FED HM LN PC POOL C46870 FG 01/31 FIXED 7.5%	2,690	2,702	2,698
FED HM LN PC POOL C47153 FG 01/31 FIXED 8%	6,604	6,778	6,589
FED HM LN PC POOL C47562 FG 02/31 FIXED 8%	12,153	12,488	12,128
FED HM LN PC POOL C47563 FG 02/31 FIXED 7%	3,633	3,628	3,768
FED HM LN PC POOL C47943 FG 02/31 FIXED 8%	2,078	2,135	2,085
FED HM LN PC POOL C48025 FG 02/31 FIXED 7.5%	8,444	8,655	8,425
FED HM LN PC POOL C49267 FG 03/31 FIXED 8%	9,345	9,599	9,459
FED HM LN PC POOL C50622 FG 05/31 FIXED 7.5%	1,910	1,980	1,918
FED HM LN PC POOL C52168 FG 05/31 FIXED 7%	2,938	3,021	3,047
FED HM LN PC POOL C53324 FG 06/31 FIXED 7%	513	522	532
FED HM LN PC POOL C54694 FG 07/31 FIXED 8.5%	22,991	24,180	24,107
FED HM LN PC POOL C55316 FG 07/31 FIXED 7%	309	314	320
FED HM LN PC POOL C56942 FG 08/31 FIXED 7%	592	601	614
FED HM LN PC POOL C57324 FG 09/31 FIXED 8%	74	81	74
FED HM LN PC POOL C57765 FG 09/31 FIXED 7%	7,250	7,412	7,520
FED HM LN PC POOL C58694 FG 10/31 FIXED 7%	1,018	1,037	1,056
FED HM LN PC POOL C66239 FG 04/32 FIXED 7%	558	590	578
FED HM LN PC POOL C66626 FG 04/32 FIXED 7%	599	610	622
FED HM LN PC POOL C67630 FG 06/32 FIXED 7%	6,152	6,337	6,381
FED HM LN PC POOL C67647 FG 05/32 FIXED 7%	1,248	1,270	1,295
FED HM LN PC POOL C68003 FG 06/32 FIXED 7%	24,084	24,585	24,981
FED HM LN PC POOL C68004 FG 06/32 FIXED 7%	6,926	7,070	7,184
FED HM LN PC POOL C70028 FG 08/32 FIXED 7.5%	2,015	2,080	2,064
FED HM LN PC POOL C75023 FG 12/32 FIXED 5%	101	104	100
FED HM LN PC POOL C75720 FG 01/33 FIXED 5%	3,359	3,514	3,335
FED HM LN PC POOL C77450 FG 03/33 FIXED 5%	184	192	183
FED HM LN PC POOL C78985 FG 05/33 FIXED 5%	203	212	204
FED HM LN PC POOL C79733 FG 04/33 FIXED 5%	1,969	2,064	1,979
FED HM LN PC POOL C80348 FG 10/25 FIXED 7%	10	10	10
FED HM LN PC POOL C91186 FG 06/28 FIXED 5%	4,424	4,555	4,439
FED HM LN PC POOL C91382 FG 07/31 FIXED 4.5%	228,025	238,377	226,244
FED HM LN PC POOL D73231 FG 07/26 FIXED 7.5%	11,988	12,015	12,000

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL D97430 FG 10/27 FIXED 6%	211	216	213
FED HM LN PC POOL G00992 FG 11/28 FIXED 7%	280	283	291
FED HM LN PC POOL G01081 FG 11/29 FIXED 8%	102	111	105
FED HM LN PC POOL G01173 FG 01/31 FIXED 7.5%	2,688	2,707	2,683
FED HM LN PC POOL G01175 FG 02/31 FIXED 7%	2,170	2,213	2,250
FED HM LN PC POOL G01182 FG 02/31 FIXED 7%	1,249	1,277	1,296
FED HM LN PC POOL G01227 FG 03/31 FIXED 7%	1,156	1,184	1,200
FED HM LN PC POOL G01309 FG 08/31 FIXED 7%	30	31	31
FED HM LN PC POOL G01311 FG 09/31 FIXED 7%	637	648	661
FED HM LN PC POOL G01349 FG 12/31 FIXED 5%	80	82	79
FED HM LN PC POOL G01374 FG 03/32 FIXED 7%	497	513	516
FED HM LN PC POOL G01383 FG 10/31 FIXED 7.5%	4,898	5,061	5,091
FED HM LN PC POOL G01449 FG 07/32 FIXED 7%	1,468	1,518	1,523
FED HM LN PC POOL G01475 FG 08/32 FIXED 7.5%	25,324	26,495	25,953
FED HM LN PC POOL G01479 FG 06/32 FIXED 7.5%	460	472	471
FED HM LN PC POOL G01589 FG 09/33 FIXED 5%	396	408	395
FED HM LN PC POOL G01649 FG 02/34 FIXED 5%	4,187	4,459	4,173
FED HM LN PC POOL G01659 FG 12/33 FIXED 5%	164	171	162
FED HM LN PC POOL G01749 FG 01/35 FIXED 5.5%	168,517	178,674	170,058
FED HM LN PC POOL G01838 FG 07/35 FIXED 5%	107,304	113,779	106,527
FED HM LN PC POOL G01840 FG 07/35 FIXED 5%	116,133	123,062	115,298
FED HM LN PC POOL G01864 FG 01/34 FIXED 5%	864	948	861
FED HM LN PC POOL G01981 FG 12/35 FIXED 5%	11,250	11,009	11,185
FED HM LN PC POOL G02540 FG 11/34 FIXED 5%	3,637	3,816	3,611
FED HM LN PC POOL G03372 FG 04/35 FIXED 5%	21,267	22,745	21,165
FED HM LN PC POOL G04731 FG 04/38 FIXED 5.5%	24,193	25,612	24,345
FED HM LN PC POOL G04799 FG 05/34 FIXED 5%	5,678	6,051	5,613
FED HM LN PC POOL G04898 FG 11/38 FIXED 6%	647,002	696,462	671,102
FED HM LN PC POOL G05259 FG 01/37 FIXED 5.5%	4,350	4,722	4,406
FED HM LN PC POOL G05421 FG 11/35 FIXED 5%	12	12	12
FED HM LN PC POOL G06669 FG 09/39 FIXED 6.5%	35,634	37,196	37,010
FED HM LN PC POOL G06956 FG 08/41 FIXED 4.5%	41,222	43,501	40,005
FED HM LN PC POOL G07002 FG 12/41 FIXED 4.5%	6,471	6,729	6,280
FED HM LN PC POOL G07074 FG 01/40 FIXED 5.5%	1,097,994	1,192,782	1,099,964
FED HM LN PC POOL G07335 FG 03/39 FIXED 7%	32,788	34,402	34,345
FED HM LN PC POOL G07459 FG 08/43 FIXED 3.5%	553,592	570,937	504,057
FED HM LN PC POOL G07479 FG 02/41 FIXED 4%	78,402	83,090	74,044
FED HM LN PC POOL G07504 FG 07/41 FIXED 4.5%	1,093,786	1,144,803	1,061,484
FED HM LN PC POOL G07509 FG 09/39 FIXED 6.5%	112,561	118,716	117,652
FED HM LN PC POOL G07515 FG 09/41 FIXED 4.5%	569,938	603,860	553,109
FED HM LN PC POOL G07553 FG 06/41 FIXED 5.5%	228,994	246,559	230,437
FED HM LN PC POOL G07596 FG 11/43 FIXED 4.5%	1,229,955	1,303,540	1,186,775
FED HM LN PC POOL G07613 FG 04/39 FIXED 6%	100,773	111,836	104,648
FED HM LN PC POOL G07786 FG 08/44 FIXED 4%	222,604	235,226	209,418
FED HM LN PC POOL G07892 FG 08/44 FIXED 4.5%	1,753,589	1,885,834	1,674,014
FED HM LN PC POOL G08537 FG 07/43 FIXED 3%	784,007	758,198	691,753
FED HM LN PC POOL G08540 FG 08/43 FIXED 3%	358,978	347,523	316,736
FED HM LN PC POOL G08568 FG 01/44 FIXED 4.5%	27,689	29,696	26,631
FED HM LN PC POOL G08624 FG 01/45 FIXED 4%	292,980	311,134	272,697
FED HM LN PC POOL G08672 FG 10/45 FIXED 4%	104,575	110,593	97,205
FED HM LN PC POOL G08676 FG 11/45 FIXED 3.5%	104,362	100,843	93,750
FED HM LN PC POOL G08701 FG 04/46 FIXED 3%	695,629	712,763	604,284
FED HM LN PC POOL G08704 FG 04/46 FIXED 4.5%	214,030	232,507	205,854
FED HM LN PC POOL G08710 FG 06/46 FIXED 3%	367,144	385,428	318,736
FED HM LN PC POOL G08726 FG 10/46 FIXED 3%	112,275	114,672	97,401
FED HM LN PC POOL G08741 FG 01/47 FIXED 3%	670,204	704,502	581,418
FED HM LN PC POOL G08808 FG 04/48 FIXED 3.5%	385,549	359,015	346,359
FED HM LN PC POOL G08813 FG 05/48 FIXED 3.5%	389,280	362,484	349,711
FED HM LN PC POOL G31106 FG 09/31 FIXED 5%	228	228	228
FED HM LN PC POOL G60018 FG 12/43 FIXED 4.5%	97,356	104,856	94,099
FED HM LN PC POOL G60034 FG 02/45 FIXED 4.5%	499,149	536,826	475,616

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL G60069 FG 04/45 FIXED 3%	157,936	157,066	138,311
FED HM LN PC POOL G60148 FG 07/45 FIXED 4.5%	132,270	142,378	127,217
FED HM LN PC POOL G60198 FG 09/44 FIXED 4.5%	162,448	174,471	156,245
FED HM LN PC POOL G60238 FG 10/45 FIXED 3.5%	42,533	43,877	38,435
FED HM LN PC POOL G60397 FG 12/45 FIXED 4%	57,503	54,809	53,451
FED HM LN PC POOL G60480 FG 11/45 FIXED 4.5%	310,285	328,612	298,496
FED HM LN PC POOL G60751 FG 07/44 FIXED 4.5%	1,226,853	1,215,425	1,190,655
FED HM LN PC POOL G60855 FG 12/45 FIXED 4.5%	65,323	69,010	62,827
FED HM LN PC POOL G60920 FG 04/46 FIXED 4.5%	1,367,905	1,465,696	1,315,648
FED HM LN PC POOL G60985 FG 05/47 FIXED 3%	1,597,297	1,425,188	1,387,953
FED HM LN PC POOL G61886 FG 11/48 FIXED 5%	44,060	48,665	43,462
FED HM LN PC POOL G62022 FG 04/48 FIXED 3%	53,220	53,807	46,137
FED HM LN PC POOL G67701 FG 10/46 FIXED 3%	1,162,204	1,037,154	1,010,781
FED HM LN PC POOL G67713 FG 06/48 FIXED 4%	2,210,719	2,102,912	2,055,002
FED HM LN PC POOL H01311 FG 09/37 FIXED 6.5%	86,019	85,942	87,806
FED HM LN PC POOL H05096 FG 10/37 FIXED 6%	79,310	83,105	79,980
FED HM LN PC POOL H09070 FG 09/37 FIXED 6.5%	31,945	32,149	32,251
FED HM LN PC POOL H09197 FG 10/38 FIXED 6.5%	80,424	84,131	81,616
FED HM LN PC POOL H09207 FG 08/38 FIXED 6.5%	56,406	59,988	57,116
FED HM LN PC POOL J12438 FG 06/25 FIXED 4.5%	1,801	1,808	1,801
FED HM LN PC POOL J30765 FG 02/30 FIXED 2.5%	24,669	24,798	23,658
FED HM LN PC POOL J31370 FG 04/30 FIXED 2.5%	33,759	33,938	32,044
FED HM LN PC POOL J31902 FG 06/30 FIXED 3%	90,177	91,892	87,155
FED HM LN PC POOL J32181 FG 07/30 FIXED 3%	17,366	17,729	16,793
FED HM LN PC POOL J32204 FG 07/30 FIXED 2.5%	31,823	31,971	30,362
FED HM LN PC POOL J32209 FG 07/30 FIXED 2.5%	25,276	25,410	24,116
FED HM LN PC POOL J37706 FG 10/32 FIXED 3%	148,325	154,924	141,298
FED HM LN PC POOL J37835 FG 11/32 FIXED 3%	207,441	216,656	197,279
FED HM LN PC POOL J38060 FG 12/32 FIXED 3%	155,573	162,731	148,243
FED HM LN PC POOL Q00285 FG 04/41 FIXED 4.5%	11,192	11,599	10,862
FED HM LN PC POOL Q00804 FG 05/41 FIXED 4.5%	45,794	49,160	44,441
FED HM LN PC POOL Q00876 FG 05/41 FIXED 4.5%	99,852	104,820	96,901
FED HM LN PC POOL Q00959 FG 05/41 FIXED 4.5%	48,305	51,839	46,582
FED HM LN PC POOL Q01249 FG 06/41 FIXED 4.5%	7,960	8,409	7,725
FED HM LN PC POOL Q01348 FG 06/41 FIXED 4.5%	153,941	158,989	149,392
FED HM LN PC POOL Q01443 FG 06/41 FIXED 4.5%	53,079	55,571	51,511
FED HM LN PC POOL Q01536 FG 06/41 FIXED 5%	2,409	2,551	2,405
FED HM LN PC POOL Q01798 FG 07/41 FIXED 4.5%	45,726	47,396	44,375
FED HM LN PC POOL Q02727 FG 08/41 FIXED 4.5%	24,033	25,131	23,323
FED HM LN PC POOL Q03841 FG 10/41 FIXED 4%	30,997	32,294	29,171
FED HM LN PC POOL Q04022 FG 10/41 FIXED 4%	25,665	26,779	24,227
FED HM LN PC POOL Q05325 FG 12/41 FIXED 4%	109,396	113,149	103,041
FED HM LN PC POOL Q09813 FG 08/42 FIXED 3.5%	417,474	416,375	380,747
FED HM LN PC POOL Q14866 FG 01/43 FIXED 3%	176,189	172,282	155,461
FED HM LN PC POOL Q15442 FG 02/43 FIXED 3.5%	45,126	46,261	41,324
FED HM LN PC POOL Q16084 FG 03/43 FIXED 3%	425,224	410,933	375,190
FED HM LN PC POOL Q17095 FG 04/43 FIXED 3%	64,604	65,969	57,004
FED HM LN PC POOL Q17792 FG 05/43 FIXED 3.5%	562,574	524,984	512,467
FED HM LN PC POOL Q19476 FG 06/43 FIXED 3.5%	239,369	238,556	217,901
FED HM LN PC POOL Q20146 FG 07/43 FIXED 3.5%	106,431	107,462	97,463
FED HM LN PC POOL Q21579 FG 09/43 FIXED 4%	43,590	45,947	41,000
FED HM LN PC POOL Q22941 FG 11/43 FIXED 4.5%	25,141	26,889	24,081
FED HM LN PC POOL Q23689 FG 12/43 FIXED 4.5%	85,816	91,931	82,537
FED HM LN PC POOL Q25643 FG 04/44 FIXED 4%	49,607	52,899	46,603
FED HM LN PC POOL Q26218 FG 05/44 FIXED 3.5%	19,090	19,533	17,482
FED HM LN PC POOL Q27319 FG 07/44 FIXED 3.5%	20,224	20,687	18,490
FED HM LN PC POOL Q27375 FG 07/44 FIXED 4.5%	34,289	37,001	32,978
FED HM LN PC POOL Q28604 FG 09/44 FIXED 3.5%	41,357	42,482	37,872
FED HM LN PC POOL Q29187 FG 10/44 FIXED 4.5%	13,070	14,065	12,571
FED HM LN PC POOL Q29920 FG 11/44 FIXED 4.5%	92,930	91,263	89,379
FED HM LN PC POOL Q31338 FG 02/45 FIXED 4%	22,778	24,237	21,436

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL Q35614 FG 08/45 FIXED 3.5%	275,702	282,411	248,240
FED HM LN PC POOL Q36302 FG 09/45 FIXED 3.5%	33,655	34,993	30,486
FED HM LN PC POOL Q36965 FG 10/45 FIXED 3.5%	132,027	137,821	119,307
FED HM LN PC POOL Q38275 FG 07/45 FIXED 4%	5,142	5,450	4,831
FED HM LN PC POOL Q41209 FG 06/46 FIXED 3.5%	20,022	18,515	18,053
FED HM LN PC POOL Q43252 FG 09/46 FIXED 3%	116,437	118,921	101,012
FED HM LN PC POOL Q45219 FG 01/45 FIXED 3.5%	322,987	330,632	291,628
FED HM LN PC POOL Q45560 FG 01/47 FIXED 3%	612,457	545,442	531,157
FED HM LN PC POOL Q45737 FG 01/47 FIXED 3%	1,490,088	1,329,540	1,294,800
FED HM LN PC POOL Q45819 FG 01/47 FIXED 3%	425,455	379,613	369,693
FED HM LN PC POOL Q45827 FG 01/47 FIXED 3%	339,006	301,719	293,812
FED HM LN PC POOL Q46539 FG 03/47 FIXED 4.5%	8,168	8,576	7,799
FED HM LN PC POOL Q55389 FG 04/48 FIXED 3.5%	420,374	391,443	377,644
FED HM LN PC POOL Q56988 FG 07/48 FIXED 4.5%	25,285	26,214	24,133
FED HM LN PC POOL Q57853 FG 08/48 FIXED 4.5%	3,175,212	3,319,244	3,034,709
FED HM LN PC POOL QA1023 FR 07/49 FIXED 3.5%	130,282	128,935	116,758
FED HM LN PC POOL QA1734 FR 08/49 FIXED 3%	795,859	829,757	687,396
FED HM LN PC POOL QA2142 FR 08/49 FIXED 3.5%	841,905	886,579	755,249
FED HM LN PC POOL QA2518 FR 09/49 FIXED 3%	471,589	491,531	406,880
FED HM LN PC POOL QA5549 FR 12/49 FIXED 3%	412,443	430,616	354,629
FED HM LN PC POOL QA7249 FR 02/50 FIXED 3%	150,142	155,633	129,136
FED HM LN PC POOL QA8311 FR 03/50 FIXED 3%	406,215	425,982	351,576
FED HM LN PC POOL QB0542 FR 06/50 FIXED 2.5%	292,373	269,814	242,267
FED HM LN PC POOL QB1146 FR 07/50 FIXED 3%	219,217	229,925	188,752
FED HM LN PC POOL QB1193 FR 07/50 FIXED 2.5%	331,416	314,335	274,429
FED HM LN PC POOL QB2682 FR 08/50 FIXED 2.5%	591,485	619,408	487,369
FED HM LN PC POOL QB3855 FR 09/50 FIXED 2.5%	578,677	603,802	476,813
FED HM LN PC POOL QB4785 FR 10/50 FIXED 2.5%	1,405,069	1,460,512	1,157,734
FED HM LN PC POOL QB5092 FR 11/50 FIXED 2.5%	196,912	167,909	163,317
FED HM LN PC POOL QB5093 FR 11/50 FIXED 2.5%	138,484	117,980	114,751
FED HM LN PC POOL QB9087 FR 02/51 FIXED 2%	510,670	416,430	404,222
FED HM LN PC POOL QB9290 FR 03/51 FIXED 2%	297,811	242,725	235,606
FED HM LN PC POOL QB9401 FR 03/51 FIXED 2%	976,653	986,768	772,141
FED HM LN PC POOL QC0160 FR 03/51 FIXED 2%	116,300	94,819	92,037
FED HM LN PC POOL QC0165 FR 03/51 FIXED 2.5%	134,832	115,806	112,666
FED HM LN PC POOL QC0885 FR 04/51 FIXED 2%	70,497	58,128	56,444
FED HM LN PC POOL QC0945 FR 04/51 FIXED 2.5%	1,672,737	1,726,950	1,377,759
FED HM LN PC POOL QC1164 FR 04/51 FIXED 2%	64,829	52,955	51,405
FED HM LN PC POOL QC1333 FR 05/51 FIXED 2%	184,950	168,857	144,484
FED HM LN PC POOL QC2565 FR 06/51 FIXED 2%	1,021,178	1,028,871	799,584
FED HM LN PC POOL QC3242 FR 06/51 FIXED 3%	197,671	175,284	170,502
FED HM LN PC POOL QC3907 FR 07/51 FIXED 2.5%	1,153,028	1,190,639	949,513
FED HM LN PC POOL QC4235 FR 07/51 FIXED 2.5%	680,534	707,739	564,416
FED HM LN PC POOL QC5830 FR 08/51 FIXED 2.5%	534,777	452,268	439,860
FED HM LN PC POOL QC5978 FR 08/51 FIXED 2.5%	1,256,669	1,232,563	1,034,081
FED HM LN PC POOL QC6209 FR 08/51 FIXED 2.5%	771,653	799,563	637,503
FED HM LN PC POOL QC6551 FR 09/51 FIXED 2.5%	221,137	188,359	183,214
FED HM LN PC POOL QC8520 FR 10/51 FIXED 2.5%	817,131	707,550	668,721
FED HM LN PC POOL QC9154 FR 10/51 FIXED 3%	162,347	143,639	139,885
FED HM LN PC POOL QD0199 FR 11/51 FIXED 2.5%	4,535,221	4,563,276	3,771,773
FED HM LN PC POOL QD0254 FR 11/51 FIXED 2%	165,087	133,604	129,652
FED HM LN PC POOL QD0350 FR 11/51 FIXED 2%	319,639	259,261	251,858
FED HM LN PC POOL QD0652 FR 11/51 FIXED 2%	242,928	197,040	191,415
FED HM LN PC POOL QD1451 FR 11/51 FIXED 1.5%	1,244,795	964,915	920,019
FED HM LN PC POOL QD4146 FR 01/52 FIXED 2.5%	72,965	62,080	60,390
FED HM LN PC POOL QD4867 FR 01/52 FIXED 3%	78,394	69,190	67,353
FED HM LN PC POOL QD6079 FR 02/52 FIXED 2.5%	328,163	277,795	269,985
FED HM LN PC POOL QD6142 FR 02/52 FIXED 2.5%	82,454	70,047	68,088
FED HM LN PC POOL QD7593 FR 02/52 FIXED 3.5%	71,512	65,699	64,107
FED HM LN PC POOL QD7594 FR 02/52 FIXED 2.5%	1,221,296	1,215,695	1,007,002
FED HM LN PC POOL QD8675 FR 03/52 FIXED 2.5%	242,085	205,657	199,904

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL QE4965 FR 06/52 FIXED 5%	42,384	40,048	41,177
FED HM LN PC POOL QE6058 FR 07/52 FIXED 4.5%	1,943,433	1,935,695	1,829,373
FED HM LN PC POOL QF0409 FR 09/52 FIXED 5%	64,758	61,189	62,863
FED HM LN PC POOL QF0895 FR 10/52 FIXED 5%	201,839	190,712	195,629
FED HM LN PC POOL QF4848 FR 12/52 FIXED 6%	1,267,844	1,281,708	1,274,613
FED HM LN PC POOL QF4924 FR 12/52 FIXED 6%	66,991	68,588	67,855
FED HM LN PC POOL QF6560 FR 01/53 FIXED 5.5%	1,087,710	1,101,511	1,079,252
FED HM LN PC POOL QF7085 FR 02/53 FIXED 5.5%	2,354,893	2,370,186	2,328,373
FED HM LN PC POOL QG1295 FR 04/53 FIXED 5.5%	350,840	351,766	347,553
FED HM LN PC POOL QG7311 FR 07/53 FIXED 5.5%	178,458	179,805	177,095
FED HM LN PC POOL QK1220 FR 12/41 FIXED 2%	7,192,989	6,182,184	5,977,399
FED HM LN PC POOL QK1354 FR 02/42 FIXED 2%	319,415	270,655	265,140
FED HM LN PC POOL QN6605 FR 06/36 FIXED 2%	1,398,534	1,299,241	1,250,966
FED HM LN PC POOL RA1411 FR 09/49 FIXED 3%	511,601	547,320	442,725
FED HM LN PC POOL RA3053 FR 07/50 FIXED 2%	3,276,728	3,359,298	2,585,880
FED HM LN PC POOL RA3217 FR 08/50 FIXED 1.5%	260,115	221,549	193,246
FED HM LN PC POOL RA3484 FR 09/50 FIXED 3%	328,940	338,842	282,408
FED HM LN PC POOL RA3851 FR 10/50 FIXED 3%	258,922	221,151	222,982
FED HM LN PC POOL RA3882 FR 11/50 FIXED 2%	428,559	348,828	338,608
FED HM LN PC POOL RA4119 FR 12/50 FIXED 2%	7,780,170	8,067,461	6,149,180
FED HM LN PC POOL RA4175 FR 12/50 FIXED 2.5%	1,314,554	1,117,340	1,086,670
FED HM LN PC POOL RA4335 FR 01/51 FIXED 2%	186,012	166,826	146,932
FED HM LN PC POOL RA4527 FR 02/51 FIXED 2.5%	530,379	543,324	436,928
FED HM LN PC POOL RA5276 FR 05/51 FIXED 2.5%	5,716,639	5,210,216	4,709,151
FED HM LN PC POOL RA5731 FR 08/51 FIXED 2%	941,994	760,608	738,777
FED HM LN PC POOL RA5801 FR 09/51 FIXED 2.5%	2,270,071	2,366,851	1,867,977
FED HM LN PC POOL RA5853 FR 09/51 FIXED 2.5%	3,028,470	3,166,771	2,498,785
FED HM LN PC POOL RA5855 FR 09/51 FIXED 2.5%	1,373,161	1,421,206	1,126,300
FED HM LN PC POOL RA6015 FR 10/51 FIXED 3%	1,515,531	1,402,417	1,301,394
FED HM LN PC POOL RA6071 FR 10/51 FIXED 2%	1,111,812	1,109,481	876,222
FED HM LN PC POOL RA6509 FR 12/51 FIXED 2%	9,181,713	7,565,803	7,237,586
FED HM LN PC POOL RA6562 FR 01/52 FIXED 2.5%	226,453	193,189	187,943
FED HM LN PC POOL RA6605 FR 01/52 FIXED 3	1,816,172	1,519,296	1,544,439
FED HM LN PC POOL RA6614 FR 01/52 FIXED 2.5%	4,335,651	3,605,476	3,540,450
FED HM LN PC POOL RA6768 FR 02/52 FIXED 2%	598,312	583,053	471,255
FED HM LN PC POOL RA7183 FR 04/52 FIXED 4	365,587	338,149	334,862
FED HM LN PC POOL RA7373 FR 05/52 FIXED 3	1,641,693	1,419,244	1,395,414
FED HM LN PC POOL RA7935 FR 09/52 FIXED 5	3,720,108	3,685,116	3,630,403
FED HM LN PC POOL RA8213 FR 11/52 FIXED 6%	2,188,295	2,272,130	2,228,814
FED HM LN PC POOL RA8216 FR 11/52 FIXED 6%	127,219	129,053	128,799
FED HM LN PC POOL RA8295 FR 12/52 FIXED 5%	1,202,285	1,204,255	1,164,275
FED HM LN PC POOL RA8417 FR 01/53 FIXED 6%	838,151	868,902	853,750
FED HM LN PC POOL RA8419 FR 01/53 FIXED 6%	801,101	825,806	810,846
FED HM LN PC POOL RA8560 FR 02/53 FIXED 6%	313,473	317,469	315,629
FED HM LN PC POOL RA8758 FR 03/53 FIXED 5.5%	792,215	791,788	786,202
FED HM LN PC POOL RA8790 FR 04/53 FIXED 5%	624,234	615,534	604,659
FED HM LN PC POOL RA8892 FR 04/53 FIXED 6%	336,992	341,319	341,076
FED HM LN PC POOL RA9073 FR 05/53 FIXED 6%	780,209	796,715	789,051
FED HM LN PC POOL RA9079 FR 05/53 FIXED 6.5%	167,812	175,019	173,665
FED HM LN PC POOL RA9080 FR 05/53 FIXED 6.5%	153,974	160,380	159,146
FED HM LN PC POOL RA9081 FR 05/53 FIXED 6.5%	243,885	253,868	251,922
FED HM LN PC POOL RA9368 FR 07/53 FIXED 5%	1,395,656	1,371,542	1,351,512
FED HM LN PC POOL RA9437 FR 07/53 FIXED 5.5%	267,209	268,824	265,064
FED HM LN PC POOL RB5071 FR 09/40 FIXED 2	55,558	47,523	46,382
FED HM LN PC POOL RB5105 FR 03/41 FIXED 2	1,035,374	883,039	864,012
FED HM LN PC POOL RB5121 FR 08/41 FIXED 2	375,368	319,164	312,806
FED HM LN PC POOL RB5125 FR 09/41 FIXED 2%	1,278,859	1,086,780	1,065,116
FED HM LN PC POOL RB5130 FR 10/41 FIXED 1.5%	31,411	25,673	24,853
FED HM LN PC POOL RB5153 FR 04/42 FIXED 2%	416,131	401,507	343,869
FED HM LN PC POOL RB5154 FR 04/42 FIXED 2.5	81,686	71,187	69,309
FED HM LN PC POOL RB5175 FR 08/42 FIXED 4%	718,196	692,646	672,805

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL RB5182 FR 09/42 FIXED 4%	682,088	657,814	638,989
FED HM LN PC POOL RB5205 FR 12/42 FIXED 4%	10,817	10,431	10,134
FED HM LN PC POOL RC1819 FR 02/36 FIXED 2%	170,798	155,867	152,526
FED HM LN PC POOL RC2071 FR 06/36 FIXED 2%	460,044	415,025	409,315
FED HM LN PC POOL RC2097 FR 07/36 FIXED 2%	195,472	176,330	174,411
FED HM LN PC POOL RD5057 FR 05/31 FIXED 1.5%	1,515,757	1,385,681	1,399,097
FED HM LN PC POOL RD5059 FR 06/31 FIXED 1.5%	229,771	210,003	211,869
FED HM LN PC POOL RJ1350 FR 04/54 FIXED 6	287,641	292,994	290,963
FED HM LN PC POOL RJ1358 FR 04/54 FIXED 6.5	567,014	584,959	581,867
FED HM LN PC POOL RJ1854 FR 06/54 FIXED 5%	387,124	388,318	374,609
FED HM LN PC POOL SB0469 FR 01/36 FIXED 2.5%	537,220	508,220	491,700
FED HM LN PC POOL SB0679 FR 04/37 FIXED 2%	150,865	137,383	134,266
FED HM LN PC POOL SB8507 FR 02/36 FIXED 2%	438,726	418,110	390,504
FED HM LN PC POOL SC0188 FR 09/41 FIXED 2%	73,090	62,214	60,976
FED HM LN PC POOL SC0206 FR 11/41 FIXED 2%	147,750	126,217	123,718
FED HM LN PC POOL SC0269 FR 01/42 FIXED 2%	79,561	67,745	66,335
FED HM LN PC POOL SC0310 FR 08/42 FIXED 2%	83,992	71,365	69,907
FED HM LN PC POOL SC0319 FR 04/42 FIXED 2%	249,902	212,219	207,877
FED HM LN PC POOL SC0376 FR 11/42 FIXED 4%	283,218	273,174	265,366
FED HM LN PC POOL SC0460 FR 12/41 FIXED 2	89,661	76,100	74,541
FED HM LN PC POOL SD0127 FR 12/48 FIXED 3%	187,860	191,149	162,672
FED HM LN PC POOL SD0176 FR 12/49 FIXED 3.5%	143,496	150,050	128,367
FED HM LN PC POOL SD0248 FR 01/49 FIXED 4.5%	164,851	175,706	157,072
FED HM LN PC POOL SD0294 FR 03/50 FIXED 4.5%	2,399,497	2,358,599	2,274,415
FED HM LN PC POOL SD0295 FR 02/49 FIXED 3%	775,863	746,959	676,075
FED HM LN PC POOL SD0296 FR 03/50 FIXED 4%	7,637,677	7,511,839	7,075,101
FED HM LN PC POOL SD0298 FR 11/48 FIXED 3%	715,614	748,984	621,961
FED HM LN PC POOL SD0478 FR 01/45 FIXED 4%	45,236	49,526	42,444
FED HM LN PC POOL SD0481 FR 09/44 FIXED 3.5%	1,303,756	1,455,578	1,172,311
FED HM LN PC POOL SD0489 FR 04/48 FIXED 4%	885,663	995,845	816,847
FED HM LN PC POOL SD0490 FR 01/45 FIXED 4%	1,466,401	1,607,390	1,383,165
FED HM LN PC POOL SD0494 FR 06/49 FIXED 3.5%	470,623	521,539	427,433
FED HM LN PC POOL SD0496 FR 02/47 FIXED 3%	56,940	62,028	49,738
FED HM LN PC POOL SD0505 FR 06/48 FIXED 4%	962,793	1,044,928	895,198
FED HM LN PC POOL SD0508 FR 01/48 FIXED 3.5%	441,286	484,155	399,497
FED HM LN PC POOL SD0573 FR 04/51 FIXED 2%	126,506	104,311	101,290
FED HM LN PC POOL SD0592 FR 09/50 FIXED 3%	2,578,892	2,515,254	2,245,047
FED HM LN PC POOL SD0716 FR 07/51 FIXED 2%	1,355,061	1,343,161	1,081,609
FED HM LN PC POOL SD0730 FR 09/51 FIXED 2%	338,724	329,411	267,794
FED HM LN PC POOL SD0732 FR 09/51 FIXED 2%	403,430	397,767	317,730
FED HM LN PC POOL SD0780 FR 12/51 FIXED 2.5%	936,342	879,689	768,700
FED HM LN PC POOL SD0785 FR 12/51 FIXED 2%	633,559	620,486	501,378
FED HM LN PC POOL SD0786 FR 12/51 FIXED 2%	348,492	341,045	276,324
FED HM LN PC POOL SD0789 FR 12/51 FIXED 2%	121,775	119,595	97,501
FED HM LN PC POOL SD0849 FR 01/52 FIXED 2.5%	155,052	131,550	127,863
FED HM LN PC POOL SD0923 FR 01/52 FIXED 2.5%	4,856,666	4,562,415	4,007,645
FED HM LN PC POOL SD0952 FR 04/52 FIXED 3%	82,541	72,701	70,766
FED HM LN PC POOL SD0999 FR 05/52 FIXED 3%	5,751,678	5,521,679	4,928,480
FED HM LN PC POOL SD1031 FR 05/52 FIXED 3.5%	24,767,105	23,982,104	22,017,312
FED HM LN PC POOL SD1049 FR 06/52 FIXED 3.5%	575,293	546,318	510,664
FED HM LN PC POOL SD1053 FR 06/52 FIXED 3.5%	540,704	516,178	484,185
FED HM LN PC POOL SD1060 FR 07/52 FIXED 4%	691,126	684,693	632,090
FED HM LN PC POOL SD1117 FR 06/52 FIXED 4.5%	720,812	694,027	680,903
FED HM LN PC POOL SD1152 FR 03/52 FIXED 2.5%	16,406,433	15,323,273	13,551,598
FED HM LN PC POOL SD1336 FR 07/52 FIXED 4%	8,313,688	8,286,128	7,661,860
FED HM LN PC POOL SD1382 FR 08/52 FIXED 4%	540,584	539,267	495,214
FED HM LN PC POOL SD1384 FR 11/50 FIXED 2.5%	104,817	92,461	86,795
FED HM LN PC POOL SD1465 FR 08/52 FIXED 5%	1,737,515	1,641,750	1,686,652
FED HM LN PC POOL SD1485 FR 08/52 FIXED 4%	8,215,048	8,195,636	7,601,525
FED HM LN PC POOL SD1546 FR 08/52 FIXED 3.5%	6,268,841	5,581,497	5,573,503
FED HM LN PC POOL SD1576 FR 08/52 FIXED 5%	1,664,708	1,679,623	1,611,204

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL SD1581 FR 09/52 FIXED 2.5%	4,983,549	4,287,769	4,063,514
FED HM LN PC POOL SD1709 FR 09/52 FIXED 5.5%	1,617,472	1,597,233	1,603,893
FED HM LN PC POOL SD1719 FR 10/52 FIXED 5.5%	1,684,035	1,660,205	1,665,548
FED HM LN PC POOL SD1749 FR 04/52 FIXED 2.5%	855,106	725,500	705,190
FED HM LN PC POOL SD1751 FR 10/51 FIXED 2.5%	413,989	351,750	341,895
FED HM LN PC POOL SD1803 FR 09/52 FIXED 5.5%	589,930	590,104	585,455
FED HM LN PC POOL SD1883 FR 06/52 FIXED 4%	1,128,186	1,061,502	1,033,498
FED HM LN PC POOL SD1884 FR 11/52 FIXED 5%	369,840	363,815	358,140
FED HM LN PC POOL SD1913 FR 11/52 FIXED 5%	861,351	852,660	834,366
FED HM LN PC POOL SD2056 FR 12/52 FIXED 6%	1,584,707	1,640,002	1,614,548
FED HM LN PC POOL SD2138 FR 01/53 FIXED 5.5%	267,802	270,403	266,359
FED HM LN PC POOL SD2163 FR 01/53 FIXED 6%	546,831	553,800	550,469
FED HM LN PC POOL SD2174 FR 01/53 FIXED 6%	1,024,797	1,040,920	1,031,288
FED HM LN PC POOL SD2245 FR 12/52 FIXED 5.5%	260,057	261,614	258,085
FED HM LN PC POOL SD2253 FR 12/52 FIXED 3.5%	5,138,091	4,572,008	4,549,183
FED HM LN PC POOL SD2284 FR 12/52 FIXED 6%	571,216	582,236	578,685
FED HM LN PC POOL SD2306 FR 02/53 FIXED 5%	138,609	138,258	134,190
FED HM LN PC POOL SD2334 FR 02/53 FIXED 5%	804,196	803,363	778,124
FED HM LN PC POOL SD2474 FR 01/53 FIXED 5.5%	162,428	163,401	161,196
FED HM LN PC POOL SD2598 FR 03/53 FIXED 6%	183,006	185,339	184,299
FED HM LN PC POOL SD2609 FR 12/52 FIXED 3.5%	1,752,937	1,567,346	1,550,906
FED HM LN PC POOL SD2642 FR 04/53 FIXED 5.5%	648,261	654,408	642,143
FED HM LN PC POOL SD2760 FR 04/53 FIXED 6%	379,748	386,382	384,170
FED HM LN PC POOL SD2774 FR 03/53 FIXED 5.5%	88,293	88,822	87,624
FED HM LN PC POOL SD2792 FR 03/47 FIXED 4.5%	161,741	159,627	156,339
FED HM LN PC POOL SD2886 FR 05/53 FIXED 6%	299,316	304,873	302,899
FED HM LN PC POOL SD2892 FR 05/53 FIXED 5.5%	248,402	250,054	246,330
FED HM LN PC POOL SD2893 FR 05/53 FIXED 5.5%	1,198,273	1,209,053	1,189,183
FED HM LN PC POOL SD2903 FR 03/51 FIXED 2%	3,952,008	2,979,692	3,096,213
FED HM LN PC POOL SD2991 FR 09/51 FIXED 2.5%	519,374	441,826	429,419
FED HM LN PC POOL SD3010 FR 06/53 FIXED 5.5%	1,154,829	1,154,719	1,145,019
FED HM LN PC POOL SD3136 FR 06/53 FIXED 5.5%	656,982	658,187	652,497
FED HM LN PC POOL SD3171 FR 06/53 FIXED 5.5%	271,103	272,726	269,046
FED HM LN PC POOL SD3176 FR 06/53 FIXED 6%	659,684	667,976	667,905
FED HM LN PC POOL SD3218 FR 05/53 FIXED 5%	204,692	200,834	197,958
FED HM LN PC POOL SD3246 FR 08/52 FIXED 4	1,168,609	1,083,257	1,069,553
FED HM LN PC POOL SD3371 FR 05/53 FIXED 5.5%	1,768,084	1,739,234	1,750,297
FED HM LN PC POOL SD3392 FR 07/53 FIXED 5.5%	959,090	955,641	951,295
FED HM LN PC POOL SD3475 FR 08/53 FIXED 5.5%	6,046,402	6,123,110	6,000,533
FED HM LN PC POOL SD3518 FR 07/53 FIXED 5.5%	8,979,302	9,021,000	8,878,124
FED HM LN PC POOL SD3609 FR 04/52 FIXED 2.5%	637,588	515,494	521,498
FED HM LN PC POOL SD3632 FR 07/52 FIXED 2.5	2,318,038	1,847,879	1,890,256
FED HM LN PC POOL SD3642 FR 09/53 FIXED 6%	694,010	713,922	706,485
FED HM LN PC POOL SD3657 FR 12/52 FIXED 5	3,419,012	3,399,414	3,377,051
FED HM LN PC POOL SD3737 FR 09/53 FIXED 6%	359,868	367,325	364,081
FED HM LN PC POOL SD3817 FR 09/53 FIXED 6	343,519	347,701	347,646
FED HM LN PC POOL SD4030 FR 10/53 FIXED 6.5%	1,933,036	2,012,169	1,993,318
FED HM LN PC POOL SD4255 FR 10/52 FIXED 4	2,021,216	1,814,651	1,851,686
FED HM LN PC POOL SD4712 FR 12/52 FIXED 4.5	952,840	902,056	897,794
FED HM LN PC POOL SD4855 FR 02/54 FIXED 5.5	1,859,415	1,810,948	1,842,413
FED HM LN PC POOL SD4977 FR 11/53 FIXED 5	2,383,680	2,293,793	2,302,354
FED HM LN PC POOL SD5136 FR 04/54 FIXED 6	2,891,521	2,900,963	2,925,539
FED HM LN PC POOL SD5179 FR 12/44 FIXED 5	92,180	93,636	92,050
FED HM LN PC POOL SD5299 FR 04/54 FIXED 6	183,132	186,426	184,548
FED HM LN PC POOL SD5314 FR 01/53 FIXED 3	1,913,599	1,590,485	1,630,242
FED HM LN PC POOL SD5323 FR 01/54 FIXED 4%	1,260,380	1,173,833	1,152,779
FED HM LN PC POOL SD5330 FR 04/54 FIXED 6%	11,195,921	11,370,356	11,387,361
FED HM LN PC POOL SD5691 FR 06/54 FIXED 6%	696,017	707,870	703,477
FED HM LN PC POOL SD5709 FR 07/54 FIXED 6%	477,834	486,777	482,200
FED HM LN PC POOL SD5752 FR 08/52 FIXED 3.5%	14,469,613	13,082,743	12,857,633
FED HM LN PC POOL SD6225 FR 08/54 FIXED 6%	2,134,180	2,182,103	2,160,799

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets
---	--------------------------

Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL SD6320 FR 08/54 FIXED 5.5%	4,670,697	4,661,201	4,612,711
FED HM LN PC POOL SD6580 FR 10/54 FIXED 5.5%	1,241,686	1,250,355	1,228,884
FED HM LN PC POOL SD6592 FR 10/54 FIXED 5%	894,871	863,692	863,724
FED HM LN PC POOL SD6764 FR 11/54 FIXED 5%	3,989,428	3,904,112	3,850,574
FED HM LN PC POOL SD6893 FR 09/53 FIXED 5%	4,084,933	4,003,955	3,951,110
FED HM LN PC POOL SD7509 FR 11/49 FIXED 3%	164,894	146,392	142,556
FED HM LN PC POOL SD7521 FR 07/50 FIXED 2.5%	770,535	657,762	639,796
FED HM LN PC POOL SD7525 FR 10/50 FIXED 2.5	435,316	371,202	362,736
FED HM LN PC POOL SD7530 FR 11/50 FIXED 2.5%	13,261,911	14,032,792	10,978,852
FED HM LN PC POOL SD7531 FR 12/50 FIXED 3%	4,496,383	4,837,647	3,886,350
FED HM LN PC POOL SD7534 FR 02/51 FIXED 2.5	1,896,145	1,712,018	1,575,022
FED HM LN PC POOL SD7536 FR 02/51 FIXED 2.5%	3,378,730	3,504,732	2,799,685
FED HM LN PC POOL SD7539 FR 04/51 FIXED 2%	1,443,114	1,294,760	1,142,463
FED HM LN PC POOL SD7540 FR 05/51 FIXED 2.5%	1,638,130	1,505,390	1,352,648
FED HM LN PC POOL SD7544 FR 07/51 FIXED 3%	871,095	832,618	753,412
FED HM LN PC POOL SD7553 FR 03/52 FIXED 3%	7,797,232	7,409,695	6,709,394
FED HM LN PC POOL SD7554 FR 04/52 FIXED 2.5%	4,499,089	3,853,665	3,715,710
FED HM LN PC POOL SD7555 FR 08/52 FIXED 3%	9,838,314	9,110,018	8,473,061
FED HM LN PC POOL SD7560 FR 02/53 FIXED 4%	1,019,080	965,024	944,926
FED HM LN PC POOL SD7563 FR 05/53 FIXED 4.5%	7,981,245	7,338,088	7,611,290
FED HM LN PC POOL SD8002 FR 07/49 FIXED 4.5%	52,245	55,789	49,772
FED HM LN PC POOL SD8003 FR 07/49 FIXED 4%	107,629	109,999	99,641
FED HM LN PC POOL SD8017 FR 10/49 FIXED 3.5%	384,571	405,422	344,645
FED HM LN PC POOL SD8019 FR 10/49 FIXED 4.5%	60,793	64,924	57,782
FED HM LN PC POOL SD8027 FR 11/49 FIXED 4.5%	688,835	721,535	655,514
FED HM LN PC POOL SD8056 FR 04/50 FIXED 3%	180,093	184,793	154,665
FED HM LN PC POOL SD8074 FR 07/50 FIXED 3%	266,816	278,284	227,664
FED HM LN PC POOL SD8075 FR 07/50 FIXED 3.5%	1,140,069	1,198,644	1,022,231
FED HM LN PC POOL SD8082 FR 10/50 FIXED 1.5%	662,207	563,978	491,056
FED HM LN PC POOL SD8084 FR 08/50 FIXED 3%	598,456	622,033	514,261
FED HM LN PC POOL SD8099 FR 10/50 FIXED 2.5%	424,046	442,294	348,902
FED HM LN PC POOL SD8100 FR 10/50 FIXED 3%	605,305	629,424	519,957
FED HM LN PC POOL SD8128 FR 02/51 FIXED 2%	1,618,673	1,654,634	1,263,420
FED HM LN PC POOL SD8129 FR 02/51 FIXED 2.5%	8,131,354	7,361,369	6,684,757
FED HM LN PC POOL SD8133 FR 03/51 FIXED 1.5%	370,677	309,909	274,687
FED HM LN PC POOL SD8134 FR 03/51 FIXED 2%	2,150,043	1,899,338	1,677,135
FED HM LN PC POOL SD8135 FR 03/51 FIXED 2.5%	1,044,417	1,081,678	855,403
FED HM LN PC POOL SD8140 FR 04/51 FIXED 2%	7,552,363	5,903,261	5,917,133
FED HM LN PC POOL SD8146 FR 05/51 FIXED 2%	21,172,131	17,771,634	16,581,266
FED HM LN PC POOL SD8147 FR 05/51 FIXED 2.5%	1,716,901	1,768,603	1,410,026
FED HM LN PC POOL SD8156 FR 07/51 FIXED 2.5%	296,437	305,795	243,330
FED HM LN PC POOL SD8167 FR 09/51 FIXED 2.5%	2,573,125	2,405,277	2,110,939
FED HM LN PC POOL SD8169 FR 09/51 FIXED 3.5%	435,361	461,837	386,610
FED HM LN PC POOL SD8171 FR 10/51 FIXED 1.5%	198,111	165,583	146,424
FED HM LN PC POOL SD8172 FR 10/51 FIXED 2%	401,854	356,153	313,703
FED HM LN PC POOL SD8173 FR 10/51 FIXED 2.5	10,613,228	8,553,665	8,686,737
FED HM LN PC POOL SD8176 FR 11/51 FIXED 1.5%	45,236	37,807	33,434
FED HM LN PC POOL SD8188 FR 01/52 FIXED 2	4,451,409	3,649,315	3,472,304
FED HM LN PC POOL SD8189 FR 01/52 FIXED 2.5%	2,213,050	2,083,772	1,811,097
FED HM LN PC POOL SD8193 FR 02/52 FIXED 2%	469,394	371,652	365,933
FED HM LN PC POOL SD8194 FR 02/52 FIXED 2.5%	18,741,924	16,028,881	15,318,970
FED HM LN PC POOL SD8205 FR 04/52 FIXED 2.5%	7,480,842	6,173,416	6,112,096
FED HM LN PC POOL SD8212 FR 05/52 FIXED 2.5%	1,013,277	825,676	826,366
FED HM LN PC POOL SD8214 FR 05/52 FIXED 3.5%	13,379,865	11,821,261	11,851,969
FED HM LN PC POOL SD8221 FR 06/52 FIXED 3.5%	2,018,899	1,805,248	1,788,386
FED HM LN PC POOL SD8225 FR 07/52 FIXED 3%	1,248,450	1,074,446	1,061,372
FED HM LN PC POOL SD8233 FR 07/52 FIXED 5%	1,280,859	1,299,901	1,239,991
FED HM LN PC POOL SD8242 FR 09/52 FIXED 3	1,038,099	895,512	882,052
FED HM LN PC POOL SD8244 FR 09/52 FIXED 4	4,450,300	4,098,276	4,075,032
FED HM LN PC POOL SD8245 FR 09/52 FIXED 4.5	517,434	492,534	487,495
FED HM LN PC POOL SD8256 FR 10/52 FIXED 4%	7,049,366	6,543,912	6,450,707

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL SD8258 FR 10/52 FIXED 5%	1,351,336	1,362,056	1,308,009
FED HM LN PC POOL SD8268 FR 11/52 FIXED 5.5%	681,557	670,897	672,716
FED HM LN PC POOL SD8273 FR 11/52 FIXED 3.5	1,240,931	1,112,652	1,097,699
FED HM LN PC POOL SD8274 FR 12/52 FIXED 4%	17,303,287	16,218,699	15,841,416
FED HM LN PC POOL SD8275 FR 12/52 FIXED 4.5	7,779,750	7,435,188	7,324,287
FED HM LN PC POOL SD8277 FR 12/52 FIXED 5.5	1,893,215	1,843,761	1,872,809
FED HM LN PC POOL SD8288 FR 01/53 FIXED 5%	2,059,848	2,056,589	1,988,392
FED HM LN PC POOL SD8289 FR 01/53 FIXED 5.5%	1,355,264	1,358,508	1,338,515
FED HM LN PC POOL SD8290 FR 01/53 FIXED 6%	1,433,076	1,457,160	1,440,873
FED HM LN PC POOL SD8299 FR 02/53 FIXED 5%	890,930	887,705	862,158
FED HM LN PC POOL SD8300 FR 02/53 FIXED 5.5%	422,563	421,867	417,818
FED HM LN PC POOL SD8309 FR 03/53 FIXED 6%	1,180,200	1,190,107	1,186,529
FED HM LN PC POOL SD8316 FR 04/53 FIXED 5.5%	1,068,954	1,079,078	1,055,932
FED HM LN PC POOL SD8331 FR 06/53 FIXED 5.5%	1,238,680	1,245,985	1,223,490
FED HM LN PC POOL SD8344 FR 07/53 FIXED 6.5%	1,186,830	1,215,830	1,214,560
FED HM LN PC POOL SD8363 FR 09/53 FIXED 6	1,907,472	1,894,366	1,918,677
FED HM LN PC POOL SD8368 FR 10/53 FIXED 6%	3,041,414	2,992,643	3,058,372
FED HM LN PC POOL SD8372 FR 11/53 FIXED 5.5%	1,476,303	1,467,771	1,458,302
FED HM LN PC POOL SD8396 FR 01/54 FIXED 6	1,040,922	1,037,976	1,046,611
FED HM LN PC POOL SD8401 FR 02/54 FIXED 5.5%	1,156,130	1,164,697	1,140,991
FED HM LN PC POOL SD8402 FR 02/54 FIXED 6%	282,957	285,814	284,474
FED HM LN PC POOL SD8419 FR 04/54 FIXED 5%	1,777,316	1,758,089	1,715,460
FED HM LN PC POOL SD8420 FR 04/54 FIXED 5.5	501,861	496,452	495,289
FED HM LN PC POOL SD8438 FR 06/54 FIXED 5.5	768,600	761,637	758,536
FED HM LN PC POOL SD8447 FR 07/54 FIXED 6%	741,018	748,073	745,903
FED HM LN PC POOL SD8470 FR 10/54 FIXED 6%	2,801,656	2,836,627	2,816,684
FED HM LN PC POOL SD8476 FR 11/54 FIXED 6%	2,531,059	2,562,257	2,544,634
FED HM LN PC POOL SD8493 FR 12/54 FIXED 5.5%	4,377,024	4,363,343	4,319,708
FED HM LN PC POOL SI2009 FR 10/49 FIXED 3%	346,555	364,455	299,035
FED HM LN PC POOL SI2106 FR 05/51 FIXED 2.5%	1,806,676	1,541,993	1,474,022
FED HM LN PC POOL U99076 FG 12/43 FIXED 4.5%	495,564	490,453	480,425
FED HM LN PC POOL U99084 FG 02/44 FIXED 4.5%	389,426	385,410	377,530
FED HM LN PC POOL U99091 FG 03/44 FIXED 4.5%	102,980	101,133	99,044
FED HM LN PC POOL V60796 FG 05/30 FIXED 2.5%	66,475	67,240	63,469
FED HM LN PC POOL V60886 FG 08/30 FIXED 2.5%	72,795	73,356	69,404
FED HM LN PC POOL V60902 FG 08/30 FIXED 2.5%	59,775	60,224	56,948
FED HM LN PC POOL V60903 FG 09/30 FIXED 2.5%	57,913	58,376	55,096
FED HM LN PC POOL V60904 FG 09/30 FIXED 2.5%	13,078	13,182	12,460
FED HM LN PC POOL V60908 FG 08/30 FIXED 3%	18,225	18,610	17,592
FED HM LN PC POOL V60909 FG 08/30 FIXED 3%	30,157	30,779	29,080
FED HM LN PC POOL V80355 FG 08/43 FIXED 3.5%	216,005	217,705	197,803
FED HM LN PC POOL V80552 FG 02/41 FIXED 4%	39,980	42,404	37,760
FED HM LN PC POOL V80553 FG 06/40 FIXED 4%	16,408	17,291	15,497
FED HM LN PC POOL V83115 FG 03/47 FIXED 4.5%	792,487	846,223	759,989
FED HM LN PC POOL V83224 FG 07/47 FIXED 3.5%	601,533	622,473	541,754
FED HM LN PC POOL ZA6680 FR 04/49 FIXED 4%	356,848	342,345	331,012
FED HM LN PC POOL ZI8701 FR 04/39 FIXED 6%	45,717	49,267	46,931
FED HM LN PC POOL ZM1590 FR 08/46 FIXED 3%	1,155,535	1,216,733	999,570
FED HM LN PC POOL ZM5821 FR 03/48 FIXED 3.5%	857,498	906,449	769,292
FED HM LN PC POOL ZM6153 FR 04/48 FIXED 4%	308,083	297,049	285,597
FED HM LN PC POOL ZM7688 FR 08/48 FIXED 4%	493,522	524,450	458,973
FED HM LN PC POOL ZN2025 FR 12/48 FIXED 4.5%	389,745	419,422	371,767
FED HM LN PC POOL ZS4786 FR 08/48 FIXED 4.5%	681,690	734,357	650,387
FED HM LN PC POOL ZS8669 FR 09/32 FIXED 3%	88,240	84,538	84,107
FED HM LN PC POOL ZS8673 FR 10/32 FIXED 3%	46,451	44,461	44,229
FED HM LN PC POOL ZT1257 FR 01/46 FIXED 3%	157,094	140,283	136,741
FED HM LN PC POOL ZT1481 FR 11/48 FIXED 4%	380,570	404,873	352,802
FED HM LN PC POOL ZT2391 FR 03/47 FIXED 3.5	84,959	78,321	76,201
FED REPUBLIC OF BRAZIL SR UNSECURED 01/25 4.25%	849,000	848,980	848,151
FED REPUBLIC OF BRAZIL SR UNSECURED 01/28 4.625%	434,000	439,293	417,807
FED REPUBLIC OF BRAZIL SR UNSECURED 01/32 6.125	1,510,000	1,488,786	1,442,696

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FED REPUBLIC OF BRAZIL SR UNSECURED 01/34 8.25%	1,293,000	1,572,928	1,408,295
FED REPUBLIC OF BRAZIL SR UNSECURED 01/45 5%	1,774,000	1,900,711	1,307,114
FED REPUBLIC OF BRAZIL SR UNSECURED 01/50 4.75%	400,000	414,585	272,429
FED REPUBLIC OF BRAZIL SR UNSECURED 02/47 5.625%	420,000	408,864	331,292
FED REPUBLIC OF BRAZIL SR UNSECURED 03/31 6.25	540,000	538,180	526,404
FED REPUBLIC OF BRAZIL SR UNSECURED 03/34 6.125	5,570,000	5,473,663	5,187,517
FED REPUBLIC OF BRAZIL SR UNSECURED 04/26 6%	660,000	677,027	663,438
FED REPUBLIC OF BRAZIL SR UNSECURED 05/29 4.5%	400,000	383,311	372,346
FED REPUBLIC OF BRAZIL SR UNSECURED 05/54 7.125	955,000	952,372	882,485
FED REPUBLIC OF BRAZIL SR UNSECURED 06/25 2.875	1,127,000	1,123,897	1,112,191
FED REPUBLIC OF BRAZIL SR UNSECURED 06/30 3.875%	3,300,000	3,359,812	2,898,295
FED REPUBLIC OF BRAZIL SR UNSECURED 10/33 6%	1,330,000	1,316,600	1,240,550
FEDERAL FARM CREDIT BANK BONDS 01/30 2.98%	7,425,000	7,325,030	6,927,144
FEDERAL FARM CREDIT BANK BONDS 02/36 2.1%	1,975,000	1,556,462	1,467,659
FEDERAL FARM CREDIT BANK BONDS 03/26 VAR	3,877,000	3,877,000	3,877,770
FEDERAL FARM CREDIT BANK BONDS 03/32 2.38%	9,000,000	8,909,166	7,746,330
FEDERAL FARM CREDIT BANK BONDS 03/33 4%	17,400,000	16,736,815	16,540,144
FEDERAL FARM CREDIT BANK BONDS 03/34 2.85%	3,430,000	3,422,810	2,934,474
FEDERAL FARM CREDIT BANK BONDS 03/37 3.08%	2,860,000	2,867,415	2,382,769
FEDERAL FARM CREDIT BANK BONDS 03/46 3.48%	10,000,000	10,064,951	7,773,115
FEDERAL FARM CREDIT BANK BONDS 04/32 2.9%	4,140,000	4,121,759	3,689,976
FEDERAL FARM CREDIT BANK BONDS 04/36 2.5%	1,071,000	864,814	835,956
FEDERAL FARM CREDIT BANK BONDS 05/32 3.3%	2,050,000	2,042,550	1,873,797
FEDERAL FARM CREDIT BANK BONDS 05/36 2.49%	1,200,000	979,387	936,043
FEDERAL FARM CREDIT BANK BONDS 05/36 3.04%	8,770,000	8,159,486	7,396,100
FEDERAL FARM CREDIT BANK BONDS 06/26 VAR	2,916,000	2,916,000	2,915,390
FEDERAL FARM CREDIT BANK BONDS 07/30 1.23%	14,140,000	12,296,047	11,787,127
FEDERAL FARM CREDIT BANK BONDS 07/30 1.35%	4,400,000	3,833,701	3,698,016
FEDERAL FARM CREDIT BANK BONDS 07/33 4.25%	10,000,000	10,004,228	9,649,320
FEDERAL FARM CREDIT BANK BONDS 08/36 1.84%	15,000,000	14,999,466	11,025,772
FEDERAL FARM CREDIT BANK BONDS 08/37 3.86%	6,990,000	6,996,477	6,242,602
FEDERAL FARM CREDIT BANK BONDS 09/32 3.5%	845,000	826,162	772,949
FEDERAL FARM CREDIT BANK BONDS 09/32 3.875%	410,000	393,003	389,452
FEDERAL FARM CREDIT BANK BONDS 09/35 1.68%	11,410,000	8,451,703	8,297,871
FEDERAL FARM CREDIT BANK BONDS 10/35 3.25%	5,595,000	5,556,412	4,852,868
FEDERAL FARM CREDIT BANK BONDS 12/35 3.77%	4,200,000	4,201,779	3,801,628
FEDERAL FARM CREDIT BANK BONDS 12/38 3.7%	2,370,000	2,428,166	2,070,545
FEDERAL HOME LOAN BANK BONDS 01/36 1.85%	8,220,000	6,349,387	5,966,024
FEDERAL HOME LOAN BANK BONDS 02/36 1.87%	720,000	557,310	523,292
FEDERAL HOME LOAN BANK BONDS 03/26 VAR	2,480,000	2,401,245	2,397,057
FEDERAL HOME LOAN BANK BONDS 05/31 1.6%	3,460,000	3,086,779	2,858,993
FEDERAL HOME LOAN BANK BONDS 05/33 3.56%	3,915,000	3,907,197	3,593,989
FEDERAL HOME LOAN BANK BONDS 06/30 3.5%	8,740,000	8,804,194	8,324,616
FEDERAL HOME LOAN BANK BONDS 06/31 1.65%	3,460,000	3,091,604	2,863,546
FEDERAL HOME LOAN BANK BONDS 07/30 1.35%	4,680,000	4,021,853	3,915,436
FEDERAL HOME LOAN BANK BONDS 12/32 4.75%	4,170,000	4,337,389	4,179,770
FERMACA ENTERPRISES S RL SR SECURED 144A 03/38 6.375%	469,916	508,777	455,819
FERRELLGAS LP/FERRELLGAS SR UNSECURED 144A 04/26 5.375	375,000	375,415	371,083
FERRELLGAS LP/FERRELLGAS SR UNSECURED 144A 04/29 5.875	103,000	96,902	94,143
FERTITTA ENTERTAINMENT COMPANY GUAR 144A 01/30 6.75%	4,132,000	3,704,360	3,811,867
FERTITTA ENTERTAINMENT LLC 2024 TERM LOAN B due 01/27/29	907,889	907,889	910,504
FERTITTA ENTERTAINMENT SR SECURED 144A 01/29 4.625%	778,000	682,982	720,957
FERTITTA ENTERTAINMENT, LLC 2022 TERM LOAN B due 01/27/29	100,717	100,717	101,007
FHLMC MULTIFAMILY STRUCTURED P FHMS K 152 A2	120,000	114,760	111,366
FHLMC MULTIFAMILY STRUCTURED P FHMS K 153 A2	1,301,000	1,246,298	1,207,907
FHLMC MULTIFAMILY STRUCTURED P FHMS K 154 X1	13,793,749	383,687	368,341
FHLMC MULTIFAMILY STRUCTURED P FHMS K 155 X1	8,982,499	197,491	189,351
FHLMC MULTIFAMILY STRUCTURED P FHMS K 157 X1	10,297,827	224,656	215,756
FHLMC MULTIFAMILY STRUCTURED P FHMS K 160 A2	2,500,000	2,301,462	2,423,663
FHLMC MULTIFAMILY STRUCTURED P FHMS K 161 A2	1,475,000	1,448,953	1,469,204
FHLMC MULTIFAMILY STRUCTURED P FHMS K068 X1	7,631,351	83,507	73,150

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FHLMC MULTIFAMILY STRUCTURED P FHMS K072 X1	5,782,119	54,563	54,471
FHLMC MULTIFAMILY STRUCTURED P FHMS K091 X1	2,765,979	58,051	58,071
FHLMC MULTIFAMILY STRUCTURED P FHMS K093 X1	1,903,578	66,476	63,312
FHLMC MULTIFAMILY STRUCTURED P FHMS K094 X1	1,961,673	67,982	64,622
FHLMC MULTIFAMILY STRUCTURED P FHMS K094 XAM	4,950,000	227,114	228,001
FHLMC MULTIFAMILY STRUCTURED P FHMS K095 XAM	800,000	39,676	39,890
FHLMC MULTIFAMILY STRUCTURED P FHMS K106 X1	3,292,205	181,934	182,434
FHLMC MULTIFAMILY STRUCTURED P FHMS K121 X1	2,248,223	90,037	103,790
FHLMC MULTIFAMILY STRUCTURED P FHMS K128 X1	8,995,795	237,893	226,456
FHLMC MULTIFAMILY STRUCTURED P FHMS K136 X1	24,032,642	474,082	470,213
FHLMC MULTIFAMILY STRUCTURED P FHMS K142 A2	500,000	472,090	425,701
FHLMC MULTIFAMILY STRUCTURED P FHMS K144 A2	830,000	773,779	707,403
FHLMC MULTIFAMILY STRUCTURED P FHMS K145 A2	1,205,000	1,124,480	1,034,591
FHLMC MULTIFAMILY STRUCTURED P FHMS K146 A2	530,000	476,305	465,576
FHLMC MULTIFAMILY STRUCTURED P FHMS K149 X1	11,254,891	230,421	222,492
FHLMC MULTIFAMILY STRUCTURED P FHMS K510 A2	1,150,000	1,146,560	1,162,480
FHLMC MULTIFAMILY STRUCTURED P FHMS K733 X3	20,326,389	385,555	331,509
FHLMC MULTIFAMILY STRUCTURED P FHMS KC02 A2	1,188,527	1,183,971	1,179,518
FHLMC MULTIFAMILY STRUCTURED P FHMS KG06 X1	4,690,613	139,004	132,862
FHLMC MULTIFAMILY STRUCTURED P FHMS KL06 XFX	1,420,000	61,119	62,316
FIBER BIDCO SPA SR SECURED REGS 06/31 6.125	300,000	322,971	312,234
FIDELITY GRAND HARBOUR CLO FICLO 2023 2X D REGS	100,000	108,625	104,491
FIEMEX ENERGIA BANC AC SR SECURED 144A 01/41 7.25%	555,000	555,885	543,317
FIESTA PURCHASER INC 2024 TERM LOAN B due 02/12/31	472,628	470,670	472,552
FIESTA PURCHASER INC SR SECURED 144A 03/31 7.875	885,000	888,717	923,970
FIESTA PURCHASER INC SR UNSECURED 144A 09/32 9.625%	510,000	510,000	534,267
FIFTH THIRD BANCORP JR SUBORDINA 12/49 VAR	930,000	930,000	927,657
FIN DEPT GOVT SHARJAH SR UNSECURED 144A 07/50 4%	500,000	504,393	322,364
FIN DEPT GOVT SHARJAH SR UNSECURED 144A 11/32 6.5%	330,000	330,459	340,916
FINNAIR OYJ SR UNSECURED REGS 05/29 4.75	200,000	218,477	211,450
FIRST BRANDS GROUP, LLC 2021 2ND LIEN TERM LOAN due 03/30/28	750,000	746,191	675,000
FIRST BRANDS GROUP, LLC 2022 INCREMENTAL TERM LOAN due 03/30/27	670,264	667,473	626,282
FIRST FRANKLIN MTG LOAN ASSET FFML 2005 FF10 A1	696,508	688,808	684,323
FIRST FRANKLIN MTG LOAN ASSET FFML 2006 FF15 A5	284,301	281,670	280,804
FIRST HELP FINANCIAL LLC FHF 2023 2A D 144A	1,190,000	1,189,669	1,269,056
FIRST HELP FINANCIAL LLC FHF 2024 3A A2 144A	1,000,000	999,850	997,750
FIRST QUANTUM MINERALS L COMPANY GUAR 144A 10/27 6.875%	470,000	471,212	467,778
FIRST QUANTUM MINERALS L SECURED 144A 03/29 9.375	200,000	213,831	212,690
FIRST STUDENT BIDCO INC 2024 1ST LIEN TERM LOAN B due 07/21/28	438,554	438,554	438,966
FIRST STUDENT BIDCO INC 2024 TERM LOAN C due 07/21/28	244,087	244,087	244,316
FIRST STUDENT BIDCO INC TERM LOAN B due 07/21/28	798,161	795,443	799,728
FIRST STUDENT BIDCO INC TERM LOAN C due 07/21/28	134,124	134,040	134,387
FIRSTCASH INC COMPANY GUAR 144A 01/30 5.625%	1,970,000	1,952,280	1,897,932
FIRSTCASH INC COMPANY GUAR 144A 09/28 4.625%	350,000	352,693	331,728
FIRSTENERGY CORP SR UNSECURED 03/50 3.4%	2,937,000	2,013,725	1,994,329
FIRSTENERGY CORP SR UNSECURED 07/27 4.15%	4,857,000	4,722,245	4,729,709
FIRSTENERGY CORP SR UNSECURED 07/47 5.1%	102,000	106,280	86,993
FIRSTENERGY CORP SR UNSECURED 09/30 2.25	3,000	2,590	2,573
FIRSTENERGY TRANSMISSION SR UNSECURED 144A 01/30 4.55%	560,000	559,330	545,293
FIRSTENERGY TRANSMISSION SR UNSECURED 144A 01/35 5%	478,000	480,452	462,207
FIRSTENERGY TRANSMISSION SR UNSECURED 144A 04/49 4.55%	1,706,000	1,506,575	1,430,116
FIRSTKEY HOMES 2020 SFR1 TRUST FKH 2020 SFR1 E 144A	2,000,000	1,849,078	1,957,803
FISERV INC SR UNSECURED 07/49 4.4%	900,000	1,126,369	735,911
FIVE 2023 V1 FIVE 2023 V1 C	538,000	527,916	533,471
FLAGSHIP CREDIT AUTO TRUST FCAT 2024 1 A2 144A	804,413	803,468	808,984
FLAGSTAR MORTGAGE TRUST FSMT 2021 13IN A6 144A	455,972	393,418	395,127
FLATIRON CLO LTD FLAT 2019 1A DR 144A	250,000	250,000	251,760
FLEET MIDCO I LIMITED 2024 1ST LIEN TERM LOAN B due 02/21/31	37,406	37,406	37,593
FLEET MIDCO I LIMITED 2024 TERM LOAN B due 02/21/31	37,500	37,500	37,688
FLORIDA GAS TRANSMISSION SR UNSECURED 144A 07/30 2.55%	1,000,000	998,626	873,391
FLORIDA POWER + LIGHT CO 1ST MORTGAGE 03/48 3.95%	1,087,000	1,290,017	854,806

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FLORIDA POWER + LIGHT CO 1ST MORTGAGE 04/25 2.85	4,860,000	4,832,261	4,836,689
FLORIDA POWER + LIGHT CO 1ST MORTGAGE 12/51 2.875%	791,000	509,254	495,281
FLORIDA ST BRD OF ADMIN FIN CO FLSGEN 07/34 FIXED 5.526%	1,000,000	995,330	1,010,019
FLUID FLOW PRODUCTS INC SECOND LIEN TERM LOAN due 03/30/29	653,910	653,033	634,293
FLUTTER FINANCING B V 2024 TERM LOAN B due 11/30/30	195,992	195,992	195,380
FLYNN RESTAURANT GROUP LP FIRST LIEN due 06/27/25	965,019	964,608	967,133
FMG RESOURCES AUG 2006 COMPANY GUAR 144A 04/30 5.875%	185,000	175,082	181,815
FMG RESOURCES AUG 2006 COMPANY GUAR 144A 04/31 4.375%	200,000	200,000	180,025
FMG RESOURCES AUG 2006 SR UNSECURED 144A 04/32 6.125%	203,000	200,699	200,528
FNB CORP SR UNSECURED 12/30 VAR	555,000	555,000	549,043
FNMA POOL 190307 FN 06/30 FIXED 8.0%	462	484	480
FNMA POOL 190317 FN 08/31 FIXED 8.0%	795	831	830
FNMA POOL 250508 FN 01/26 FIXED 6%	190	193	193
FNMA POOL 251237 FN 10/27 FIXED 8%	1,410	1,430	1,417
FNMA POOL 251971 FN 09/28 FIXED 7.5%	3,321	3,375	3,370
FNMA POOL 252568 FN 06/29 FIXED 7.5%	419	426	425
FNMA POOL 252925 FN 12/29 FIXED 7.5%	988	1,018	1,017
FNMA POOL 253113 FN 03/30 FIXED 7.5%	5,423	5,568	5,579
FNMA POOL 253184 FN 04/30 FIXED 8%	1,010	1,038	1,046
FNMA POOL 253356 FN 07/30 FIXED 8%	580	592	602
FNMA POOL 253553 FN 10/30 FIXED 8%	11,816	11,827	11,946
FNMA POOL 253607 FN 11/30 FIXED 7.5%	484	485	484
FNMA POOL 253643 FN 02/31 FIXED 7.5%	514	533	531
FNMA POOL 253644 FN 02/31 FIXED 8%	878	897	913
FNMA POOL 253813 FN 05/31 FIXED 8%	375	384	377
FNMA POOL 253891 FN 07/31 FIXED 7.5%	816	854	831
FNMA POOL 253974 FN 08/31 FIXED 7%	4,822	4,852	4,847
FNMA POOL 254335 FN 05/32 FIXED 7.5%	5,140	5,317	5,228
FNMA POOL 254360 FN 05/32 FIXED 7%	3,712	3,750	3,705
FNMA POOL 254383 FN 06/32 FIXED 7.5%	2,919	3,021	3,025
FNMA POOL 254416 FN 07/32 FIXED 7.5%	438	449	449
FNMA POOL 254446 FN 08/32 FIXED 7.5%	3,233	3,332	3,322
FNMA POOL 254548 FN 12/32 FIXED 5.5%	30,133	29,967	30,738
FNMA POOL 255269 FN 07/34 FIXED 5.5%	5,573	5,481	5,614
FNMA POOL 256715 FN 05/27 FIXED 6%	3,048	3,033	3,071
FNMA POOL 256851 FN 08/37 FIXED 7%	144,942	150,151	151,337
FNMA POOL 310048 FN 02/38 FIXED 6.5%	100,514	107,917	104,174
FNMA POOL 323868 FN 08/29 FIXED 7.5%	426	427	427
FNMA POOL 357822 FN 05/35 FIXED 5.5%	21,318	20,869	21,565
FNMA POOL 418497 FN 03/28 FIXED 6%	565	563	574
FNMA POOL 519876 FN 02/30 FIXED 7.5%	265	270	266
FNMA POOL 526353 FN 03/30 FIXED 7.5%	137	147	137
FNMA POOL 532907 FN 04/30 FIXED 7.5%	2,026	2,068	2,020
FNMA POOL 535023 FN 12/29 FIXED 8.0%	321	328	323
FNMA POOL 535039 FN 12/29 FIXED 8.0%	504	514	521
FNMA POOL 535095 FN 01/30 FIXED 8.0%	3,489	3,607	3,658
FNMA POOL 535425 FN 08/30 FIXED 7.5%	6	6	6
FNMA POOL 535440 FN 08/30 FIXED 8.5%	875	917	914
FNMA POOL 535481 FN 09/30 FIXED 8.0%	132	143	136
FNMA POOL 535488 FN 09/30 FIXED 8.5%	1,284	1,353	1,325
FNMA POOL 535533 FN 10/30 FIXED 8.0%	3,107	3,233	3,236
FNMA POOL 535597 FN 10/30 FIXED 8.0%	394	403	401
FNMA POOL 535608 FN 04/30 FIXED 9.5%	238	265	238
FNMA POOL 535667 FN 01/31 FIXED 8.0%	258	264	266
FNMA POOL 535714 FN 01/31 FIXED 7.5%	835	900	854
FNMA POOL 535751 FN 12/30 FIXED 7.5%	55	59	56
FNMA POOL 535903 FN 03/31 FIXED 7.5%	1,576	1,633	1,610
FNMA POOL 535996 FN 06/31 FIXED 7.5%	304	311	315
FNMA POOL 536495 FN 04/30 FIXED 8.5%	6,912	7,108	6,885
FNMA POOL 536597 FN 04/30 FIXED 7.5%	3,233	3,299	3,222
FNMA POOL 536909 FN 04/30 FIXED 7.5%	54	59	55

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL 538886 FN 07/30 FIXED 7.5%	236	241	238
FNMA POOL 543845 FN 07/30 FIXED 8%	756	775	781
FNMA POOL 544397 FN 08/30 FIXED 8.5%	4,436	4,565	4,421
FNMA POOL 545138 FN 08/31 FIXED 7.5%	675	691	683
FNMA POOL 545240 FN 09/31 FIXED 8.0%	269	276	280
FNMA POOL 545481 FN 11/31 FIXED 7.5%	19,623	20,396	20,076
FNMA POOL 545562 FN 03/32 FIXED 7.5%	1,452	1,512	1,484
FNMA POOL 545604 FN 09/31 FIXED 8.0%	563	577	583
FNMA POOL 545609 FN 03/32 FIXED 7.5%	1,299	1,352	1,334
FNMA POOL 545612 FN 04/32 FIXED 8.0%	280	288	296
FNMA POOL 545613 FN 03/32 FIXED 7.5%	11,773	12,279	12,034
FNMA POOL 548965 FN 07/30 FIXED 8.5%	124	137	125
FNMA POOL 551217 FN 09/30 FIXED 8%	75	81	75
FNMA POOL 554471 FN 10/30 FIXED 7.5%	1,257	1,298	1,258
FNMA POOL 555531 FN 06/33 FIXED 5.5%	218,073	225,508	219,866
FNMA POOL 561775 FN 01/31 FIXED 8%	1,690	1,738	1,730
FNMA POOL 561790 FN 11/30 FIXED 7.5%	825	842	830
FNMA POOL 562653 FN 01/31 FIXED 7.5%	62	67	62
FNMA POOL 562827 FN 03/31 FIXED 7.5%	14,860	14,884	14,872
FNMA POOL 568335 FN 01/31 FIXED 7.5%	6,505	6,676	6,513
FNMA POOL 568516 FN 01/31 FIXED 8.5%	13,324	13,736	13,276
FNMA POOL 568656 FN 03/31 FIXED 7.5%	608	656	609
FNMA POOL 570320 FN 02/31 FIXED 7.5%	226	244	227
FNMA POOL 570543 FN 01/31 FIXED 8.5%	55,623	57,682	56,567
FNMA POOL 571054 FN 02/31 FIXED 7.5%	1,487	1,522	1,482
FNMA POOL 582122 FN 06/31 FIXED 7.5%	2,606	2,670	2,597
FNMA POOL 583354 FN 05/31 FIXED 7.5%	153	166	153
FNMA POOL 600187 FN 07/31 FIXED 7%	23,267	23,698	23,718
FNMA POOL 600950 FN 08/31 FIXED 8%	8,128	8,355	8,169
FNMA POOL 609492 FN 10/31 FIXED 7.5%	4,242	4,353	4,290
FNMA POOL 628075 FN 02/32 FIXED 7.5%	26,778	27,831	26,699
FNMA POOL 635926 FN 03/32 FIXED 7.5%	1,159	1,189	1,155
FNMA POOL 636878 FN 04/32 FIXED 7.5%	8,826	9,054	8,836
FNMA POOL 650136 FN 07/32 FIXED 7.5%	1,684	1,731	1,686
FNMA POOL 660126 FN 09/32 FIXED 7.5%	13,528	13,910	13,669
FNMA POOL 725206 FN 02/34 FIXED 5.5%	112,422	112,391	113,357
FNMA POOL 725594 FN 07/34 FIXED 5.5%	27,506	27,626	27,688
FNMA POOL 725692 FN 10/33 FLT	101,740	100,675	104,732
FNMA POOL 725946 FN 11/34 FIXED 5.5%	55,139	54,874	55,503
FNMA POOL 735989 FN 02/35 FIXED 5.5%	125,352	125,133	126,385
FNMA POOL 745339 FN 03/36 FIXED 5.5%	37,623	38,251	38,056
FNMA POOL 745341 FN 09/35 FIXED 7.5%	66,629	69,989	69,367
FNMA POOL 745603 FN 05/35 FLT	240,479	237,772	247,766
FNMA POOL 769523 FN 02/34 FLT	16,098	16,008	16,250
FNMA POOL 775695 FN 05/34 FIXED 5.5%	14,077	14,113	14,199
FNMA POOL 783629 FN 07/35 FLT	25,393	25,257	26,226
FNMA POOL 795297 FN 07/44 FLT	18,515	18,378	18,703
FNMA POOL 795548 FN 10/34 FLT	2,389	2,416	2,413
FNMA POOL 806506 FN 10/44 FLT	1,149	1,141	1,161
FNMA POOL 806642 FN 12/34 FLT	5,482	5,481	5,571
FNMA POOL 814579 FN 04/35 FIXED 5.5%	23,503	23,255	23,520
FNMA POOL 825405 FN 08/35 FLT	79,474	79,482	81,494
FNMA POOL 826146 FN 07/35 FLT	33,236	33,831	34,094
FNMA POOL 831232 FN 01/36 FIXED 5.5%	58,699	63,463	59,375
FNMA POOL 831834 FN 09/36 FIXED 6%	45,093	48,225	46,772
FNMA POOL 849299 FN 01/36 FIXED 5.5%	148,254	160,877	149,961
FNMA POOL 886574 FN 08/36 FLT	52,224	57,371	54,103
FNMA POOL 888275 FN 01/35 FIXED 5.5%	2,474	2,456	2,492
FNMA POOL 888509 FN 06/33 FLT	5,004	4,993	5,136
FNMA POOL 888635 FN 09/36 FIXED 5.5%	34,307	33,632	34,563
FNMA POOL 888832 FN 11/37 FIXED 6.5%	309,570	325,320	323,701

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL 889466 FN 05/38 FIXED 6.0%	36,903	40,325	38,266
FNMA POOL 889529 FN 03/38 FIXED 6.0%	24,453	26,659	25,360
FNMA POOL 889983 FN 10/38 FIXED 6.0%	23,804	25,820	24,686
FNMA POOL 890466 FN 12/39 FIXED 6.0%	307,587	335,587	319,055
FNMA POOL 890604 FN 10/44 FIXED 4.5%	1,901,690	1,865,329	1,826,571
FNMA POOL 890843 FN 09/47 FIXED 3.0%	1,102,625	981,438	955,754
FNMA POOL 909196 FN 06/38 FIXED 5%	138,615	140,465	138,080
FNMA POOL 914854 FN 04/37 FLT	8,321	8,493	8,350
FNMA POOL 920409 FN 06/36 FIXED 5%	155,103	167,722	153,762
FNMA POOL 929587 FN 06/38 FIXED 5%	25,958	26,305	25,858
FNMA POOL 953106 FN 05/38 FIXED 5%	80,760	81,839	80,449
FNMA POOL 962589 FN 04/38 FIXED 5.5%	47,493	51,576	47,797
FNMA POOL 975109 FN 05/38 FIXED 5%	97,321	98,620	96,945
FNMA POOL 977032 FN 05/38 FIXED 5%	41,570	42,125	41,410
FNMA POOL 990906 FN 10/35 FIXED 5.5%	327,087	327,245	330,863
FNMA POOL 995072 FN 08/38 FIXED 5.5%	57,728	58,764	57,987
FNMA POOL 995112 FN 07/36 FIXED 5.5%	541,186	584,177	546,085
FNMA POOL AA4221 FN 04/39 FIXED 4.5%	3,584	3,606	3,448
FNMA POOL AA4666 FN 05/39 FIXED 4.5%	3,626	3,648	3,515
FNMA POOL AA5357 FN 04/39 FIXED 4.5%	70,323	70,754	68,156
FNMA POOL AB0687 FN 01/36 FIXED 4%	112,375	118,011	105,046
FNMA POOL AB1226 FN 07/40 FIXED 4.5%	28,115	30,000	27,249
FNMA POOL AB1343 FN 08/40 FIXED 4.5%	14,245	15,417	13,806
FNMA POOL AB1545 FN 10/40 FIXED 4.5%	1,195,288	1,195,769	1,158,460
FNMA POOL AB3193 FN 06/41 FIXED 4.5%	45,777	47,874	44,365
FNMA POOL AB9352 FN 05/43 FIXED 3%	35,739	34,375	31,491
FNMA POOL AB9462 FN 05/43 FIXED 3%	151,936	152,557	133,878
FNMA POOL AB9564 FN 06/43 FIXED 3%	16,829	16,897	14,786
FNMA POOL AB9597 FN 06/43 FIXED 4%	38,395	36,836	36,022
FNMA POOL AB9662 FN 06/43 FIXED 3%	170,628	171,337	150,348
FNMA POOL AB9863 FN 07/43 FIXED 3%	236,753	240,971	207,723
FNMA POOL AC1487 FN 08/39 FIXED 4%	1,560	1,639	1,472
FNMA POOL AC2861 FN 08/39 FIXED 4.5%	6,928	6,960	6,714
FNMA POOL AD0130 FN 08/39 FIXED 6.5%	85,169	91,344	87,953
FNMA POOL AD0217 FN 08/37 FIXED 6.0%	822,680	857,339	840,107
FNMA POOL AD0494 FN 08/37 FIXED 5.5%	90,044	94,768	90,716
FNMA POOL AD0586 FN 12/39 FIXED 4.5%	99,434	100,091	96,370
FNMA POOL AD0636 FN 08/37 FIXED 6.0%	891,809	960,168	910,708
FNMA POOL AD0650 FN 09/39 FIXED 5.5%	76,431	81,670	76,750
FNMA POOL AD6391 FN 05/25 FIXED 4.5%	2,630	2,636	2,625
FNMA POOL AD8036 FN 08/40 FIXED 4.5%	184,618	197,019	178,930
FNMA POOL AE0028 FN 10/39 FIXED 6.0%	42,702	45,528	44,291
FNMA POOL AE0212 FN 12/27 FIXED 5.5%	7,253	7,450	7,306
FNMA POOL AE0823 FN 09/40 FIXED 6.0%	31,565	34,280	32,639
FNMA POOL AE5471 FN 10/40 FIXED 4.5%	1,338,904	1,339,442	1,297,650
FNMA POOL AH7010 FN 03/41 FIXED 4.5%	46,924	48,898	45,477
FNMA POOL AH9100 FN 03/41 FIXED 4.5%	4,662	4,844	4,518
FNMA POOL AI1630 FN 05/41 FIXED 4.5%	19,539	20,967	18,728
FNMA POOL AI4283 FN 06/41 FIXED 4.5%	116,212	120,856	112,627
FNMA POOL AI4815 FN 06/41 FIXED 4.5%	30,145	31,461	29,215
FNMA POOL AI7234 FN 07/36 FIXED 4.5%	28,513	29,839	27,219
FNMA POOL AI8448 FN 08/41 FIXED 4.5%	39,755	42,901	38,529
FNMA POOL AJ3757 FN 11/26 FIXED 3%	15,804	15,951	15,579
FNMA POOL AL0013 FN 04/40 FIXED 6.0%	91,363	98,396	94,709
FNMA POOL AL1319 FN 10/41 FIXED 4.5%	77,145	80,911	74,783
FNMA POOL AL1470 FN 04/37 FIXED 7.0%	62,168	66,590	64,923
FNMA POOL AL1472 FN 05/39 FIXED 4.5%	55,002	59,313	53,308
FNMA POOL AL1547 FN 11/41 FIXED 4.5%	143,616	150,148	139,190
FNMA POOL AL1704 FN 05/40 FIXED 6.5%	77,501	85,799	80,055
FNMA POOL AL1938 FN 12/26 FIXED 4.0%	10,535	10,716	10,459
FNMA POOL AL2482 FN 09/42 FIXED 4.5%	109,508	117,924	106,135

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL AL2683 FN 09/26 FIXED 4.0%	19,679	19,985	19,567
FNMA POOL AL3026 FN 12/42 FIXED 3.5%	27,878	26,007	25,386
FNMA POOL AL3223 FN 09/41 FIXED 5.5%	52,292	57,519	52,542
FNMA POOL AL3365 FN 05/41 FIXED 6.0%	142,910	154,323	148,234
FNMA POOL AL3598 FN 07/39 FIXED 6.0%	1,525,257	1,657,022	1,573,269
FNMA POOL AL4141 FN 04/40 FIXED 6.0%	126,785	137,830	131,454
FNMA POOL AL4142 FN 06/41 FIXED 6.0%	39,846	43,273	41,323
FNMA POOL AL4324 FN 05/40 FIXED 6.5%	640,043	672,637	669,263
FNMA POOL AL4579 FN 07/42 FIXED 4.5%	1,058,694	1,059,128	1,026,070
FNMA POOL AL4707 FN 05/32 FIXED 4.5%	713,160	749,804	705,348
FNMA POOL AL4998 FN 06/51 FIXED 5.0%	461,700	500,311	470,250
FNMA POOL AL5083 FN 02/29 FIXED 4.0%	65,296	67,556	65,073
FNMA POOL AL5097 FN 09/43 FIXED 4.5%	302,080	319,954	291,282
FNMA POOL AL5231 FN 09/42 FIXED 4.5%	139,696	150,197	135,393
FNMA POOL AL5853 FN 05/44 FIXED 5.0%	148,759	162,631	149,186
FNMA POOL AL6161 FN 12/29 FIXED 3.5%	317,427	327,208	310,757
FNMA POOL AL6307 FN 02/45 FIXED 4.5%	51,808	54,910	49,762
FNMA POOL AL6404 FN 01/45 FIXED 4.5%	139,828	137,156	134,307
FNMA POOL AL6583 FN 03/30 FIXED 3.0%	65,446	66,620	63,296
FNMA POOL AL6584 FN 04/30 FIXED 3.0%	53,885	54,830	52,103
FNMA POOL AL6619 FN 04/45 FIXED 4.5%	2,556,983	2,826,399	2,463,929
FNMA POOL AL6622 FN 01/43 FIXED 4.5%	2,899,855	3,134,109	2,810,519
FNMA POOL AL6761 FN 05/30 FIXED 3.0%	28,784	29,369	27,831
FNMA POOL AL7072 FN 05/45 FIXED 4.5%	304,429	336,314	293,349
FNMA POOL AL7139 FN 07/30 FIXED 3.0%	44,870	45,771	43,237
FNMA POOL AL7147 FN 02/45 FIXED 4.5%	194,792	211,001	186,994
FNMA POOL AL7225 FN 08/30 FIXED 3.0%	77,727	79,396	74,897
FNMA POOL AL7226 FN 08/30 FIXED 3.0%	25,558	26,219	24,639
FNMA POOL AL7227 FN 08/30 FIXED 3.0%	61,759	63,071	59,541
FNMA POOL AL7384 FN 09/45 FIXED 4.5%	1,019,711	1,109,242	987,010
FNMA POOL AL7531 FN 09/28 FIXED 3.0%	41,114	41,772	40,407
FNMA POOL AL7660 FN 11/45 FIXED 4.5%	160,754	176,334	154,972
FNMA POOL AL7661 FN 10/45 FIXED 4.5%	92,086	100,801	88,699
FNMA POOL AL7747 FN 11/45 FIXED 4.5%	21,534	23,296	20,683
FNMA POOL AL7899 FN 01/46 FLT	450,947	461,720	462,619
FNMA POOL AL8165 FN 06/44 FIXED 4.5%	1,450,452	1,451,056	1,403,070
FNMA POOL AL8182 FN 02/46 FLT	604,644	622,684	621,707
FNMA POOL AL8556 FN 08/44 FIXED 4.5%	1,172,716	1,257,398	1,136,601
FNMA POOL AL8815 FN 05/45 FLT	804,815	834,311	826,341
FNMA POOL AL8820 FN 01/43 FIXED 4.5%	1,597,976	1,598,634	1,544,815
FNMA POOL AL8964 FN 06/45 FIXED 4.5%	314,751	332,645	302,326
FNMA POOL AL9011 FN 09/46 FLT	137,957	141,240	141,211
FNMA POOL AL9111 FN 08/46 FIXED 4.5%	462,778	491,532	444,511
FNMA POOL AL9128 FN 02/46 FIXED 4.5%	1,185,025	1,290,333	1,144,494
FNMA POOL AL9254 FN 10/46 FIXED 4.5%	67,885	70,667	65,176
FNMA POOL AL9407 FN 09/42 FIXED 4.5%	592,069	642,554	567,988
FNMA POOL AL9631 FN 12/46 FIXED 3.0%	586,344	522,598	508,925
FNMA POOL AL9749 FN 05/45 FIXED 4.5%	1,535,564	1,641,238	1,474,918
FNMA POOL AL9781 FN 02/46 FIXED 4.5%	1,892,073	2,026,336	1,827,257
FNMA POOL AM8674 FN 04/25 FIXED 2.81%	260,000	257,898	258,032
FNMA POOL AO0186 FN 04/42 FIXED 4.5%	63,086	66,803	60,647
FNMA POOL AO2114 FN 05/42 FIXED 4%	36,208	38,338	33,971
FNMA POOL AO2310 FN 12/42 FIXED 3%	23,179	22,573	20,484
FNMA POOL AO2961 FN 05/42 FIXED 4%	126,835	134,470	119,314
FNMA POOL AO4170 FN 06/42 FIXED 4%	25,904	24,861	24,312
FNMA POOL AO6086 FN 06/42 FIXED 4%	23,311	22,318	21,824
FNMA POOL AO6807 FN 06/42 FIXED 4%	264,018	274,692	247,708
FNMA POOL AO6908 FN 06/42 FIXED 4%	17,233	16,599	16,234
FNMA POOL AO7501 FN 06/42 FIXED 4%	20,753	19,917	19,477
FNMA POOL AO9859 FN 07/42 FIXED 4%	7,846	7,546	7,380
FNMA POOL AP3145 FN 12/42 FIXED 3%	10,521	10,265	9,270

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value
FNMA POOL AP4532 FN 09/42 FIXED 4%	16,942	16,240	15,880
FNMA POOL AP4781 FN 09/42 FIXED 3%	171,355	154,862	150,995
FNMA POOL AP8670 FN 01/43 FIXED 3%	8,385	8,168	7,389
FNMA POOL AP9229 FN 10/42 FIXED 4%	13,023	12,490	12,214
FNMA POOL AQ0100 FN 10/42 FIXED 4%	15,255	14,647	14,324
FNMA POOL AQ0667 FN 11/42 FIXED 3%	13,092	12,733	11,536
FNMA POOL AQ1641 FN 10/42 FIXED 4%	12,602	12,152	11,886
FNMA POOL AQ2101 FN 12/42 FIXED 3%	16,315	15,895	14,377
FNMA POOL AQ2895 FN 12/42 FIXED 3%	38,065	37,062	33,543
FNMA POOL AQ3599 FN 11/42 FIXED 4%	23,816	22,856	22,352
FNMA POOL AQ4055 FN 04/43 FIXED 3%	82,859	80,518	73,014
FNMA POOL AQ4573 FN 12/42 FIXED 4%	45,423	43,578	42,616
FNMA POOL AQ5137 FN 11/42 FIXED 4%	20,838	19,998	19,557
FNMA POOL AQ5701 FN 01/43 FIXED 3%	23,906	23,318	21,065
FNMA POOL AQ6570 FN 01/43 FIXED 3%	20,108	19,554	17,836
FNMA POOL AQ6744 FN 11/42 FIXED 4%	4,622	4,425	4,326
FNMA POOL AQ7048 FN 12/42 FIXED 4%	24,328	23,325	22,809
FNMA POOL AQ7120 FN 12/42 FIXED 4%	9,672	9,330	9,125
FNMA POOL AQ7146 FN 01/43 FIXED 3%	67,175	65,301	59,293
FNMA POOL AQ7310 FN 01/43 FIXED 3%	45,373	44,087	39,979
FNMA POOL AQ7661 FN 12/42 FIXED 4%	12,358	11,714	11,451
FNMA POOL AQ7988 FN 01/43 FIXED 3%	9,729	9,479	8,581
FNMA POOL AQ8305 FN 12/42 FIXED 4%	8,502	8,125	7,945
FNMA POOL AQ8330 FN 12/42 FIXED 3%	32,756	31,904	29,173
FNMA POOL AQ8656 FN 12/42 FIXED 3%	41,423	40,209	36,554
FNMA POOL AQ9120 FN 12/42 FIXED 3%	18,807	18,332	16,577
FNMA POOL AQ9317 FN 01/43 FIXED 3%	127,020	123,392	112,089
FNMA POOL AQ9691 FN 01/43 FIXED 3%	35,746	34,759	31,498
FNMA POOL AQ9855 FN 01/43 FIXED 3%	11,112	10,823	9,791
FNMA POOL AR1272 FN 01/43 FIXED 3%	8,573	8,358	7,554
FNMA POOL AR1389 FN 01/43 FIXED 3%	24,721	24,039	21,980
FNMA POOL AR1815 FN 01/43 FIXED 3%	20,177	19,667	17,745
FNMA POOL AR2041 FN 01/43 FIXED 3%	23,492	22,891	20,700
FNMA POOL AR2878 FN 01/43 FIXED 3%	19,911	19,392	17,544
FNMA POOL AR3419 FN 01/43 FIXED 3%	12,268	11,938	10,810
FNMA POOL AR3468 FN 01/43 FIXED 3%	4,402	4,282	4,179
FNMA POOL AR3489 FN 01/43 FIXED 3%	14,700	14,285	12,953
FNMA POOL AR3942 FN 03/43 FIXED 3%	15,432	15,005	13,598
FNMA POOL AR4260 FN 02/43 FIXED 3%	25,516	24,916	22,484
FNMA POOL AR5576 FN 02/43 FIXED 3%	42,670	41,524	37,600
FNMA POOL AR6313 FN 04/43 FIXED 3%	33,621	32,675	29,624
FNMA POOL AR7399 FN 06/43 FIXED 3%	31,936	28,763	28,043
FNMA POOL AR9197 FN 03/43 FIXED 3%	105,514	102,972	92,979
FNMA POOL AR9653 FN 04/43 FIXED 3%	57,557	55,947	50,716
FNMA POOL AS0016 FN 07/43 FIXED 3%	152,342	155,081	134,246
FNMA POOL AS0038 FN 07/43 FIXED 3	89,140	80,283	78,276
FNMA POOL AS0516 FN 09/43 FIXED 3%	562,101	565,013	495,146
FNMA POOL AS0574 FN 09/43 FIXED 5%	70,714	77,423	69,947
FNMA POOL AS0837 FN 10/43 FIXED 5%	11,797	12,410	11,667
FNMA POOL AS1331 FN 12/43 FIXED 4.5%	86,818	92,026	83,388
FNMA POOL AS1333 FN 12/43 FIXED 4.5%	37,636	39,882	36,150
FNMA POOL AS1588 FN 01/44 FIXED 4.5%	89,686	95,086	86,144
FNMA POOL AS1932 FN 03/44 FIXED 4.5%	58,488	57,442	56,250
FNMA POOL AS2638 FN 04/44 FIXED 5%	12,789	13,468	12,547
FNMA POOL AS2821 FN 07/39 FIXED 4%	10,829	11,465	10,214
FNMA POOL AS3220 FN 09/29 FIXED 3%	75,821	77,075	73,533
FNMA POOL AS3355 FN 09/29 FIXED 3%	43,063	43,772	41,713
FNMA POOL AS4271 FN 01/45 FIXED 4.5%	125,079	123,466	120,680
FNMA POOL AS4354 FN 01/45 FIXED 4.5%	335,040	329,627	322,781
FNMA POOL AS4427 FN 02/45 FIXED 4.5%	309,131	304,197	297,881
FNMA POOL AS4431 FN 02/45 FIXED 4.5%	194,862	192,351	188,011

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL AS5548 FN 08/30 FIXED 2.5%	34,053	34,220	32,403
FNMA POOL AS5594 FN 08/45 FIXED 3.5%	366,186	376,454	328,519
FNMA POOL AS5614 FN 08/30 FIXED 2.5%	40,771	41,108	38,822
FNMA POOL AS5616 FN 08/30 FIXED 2.5%	65,943	66,494	62,791
FNMA POOL AS5622 FN 08/30 FIXED 3%	51,492	52,603	49,670
FNMA POOL AS5623 FN 08/30 FIXED 3%	60,056	61,296	57,901
FNMA POOL AS5786 FN 09/30 FIXED 2.5%	47,778	48,145	45,461
FNMA POOL AS5872 FN 09/30 FIXED 2.5%	58,192	58,647	55,254
FNMA POOL AS5952 FN 10/45 FIXED 4.5%	126,783	139,470	121,951
FNMA POOL AS6115 FN 11/30 FIXED 2.5%	48,618	49,194	46,228
FNMA POOL AS6116 FN 11/30 FIXED 2.5%	45,923	46,441	43,573
FNMA POOL AS6141 FN 11/30 FIXED 2.5%	57,393	57,712	54,533
FNMA POOL AS6142 FN 11/30 FIXED 2.5%	43,272	43,401	41,115
FNMA POOL AS6230 FN 11/45 FIXED 4.5%	125,999	137,871	121,197
FNMA POOL AS6233 FN 11/45 FIXED 4.5%	8,411	9,154	8,073
FNMA POOL AS6234 FN 11/45 FIXED 4.5%	120,142	131,831	115,797
FNMA POOL AS6520 FN 01/46 FIXED 3.5%	303,542	316,648	272,334
FNMA POOL AS6541 FN 01/46 FIXED 3.5%	383,278	354,767	345,891
FNMA POOL AS6562 FN 01/46 FIXED 3.5%	75,492	69,353	67,603
FNMA POOL AS7370 FN 06/46 FIXED 3%	33,039	33,859	28,859
FNMA POOL AS7533 FN 07/46 FIXED 3%	452,803	403,338	393,124
FNMA POOL AS7568 FN 07/46 FIXED 4.5%	12,419	12,865	11,921
FNMA POOL AS8157 FN 10/46 FIXED 4.5%	98,598	102,604	94,542
FNMA POOL AS8623 FN 01/47 FIXED 3%	370,690	329,953	321,300
FNMA POOL AS8699 FN 01/47 FIXED 4%	599,217	644,793	555,549
FNMA POOL AS8740 FN 02/37 FIXED 3.5%	69,975	66,797	66,107
FNMA POOL AS8745 FN 02/47 FIXED 3%	1,364,689	1,216,133	1,184,353
FNMA POOL AS8982 FN 03/47 FIXED 4.5%	103,053	108,410	98,650
FNMA POOL AS9454 FN 04/47 FIXED 4%	50,427	52,014	46,762
FNMA POOL AS9786 FN 06/47 FIXED 4%	266,538	272,718	247,498
FNMA POOL AS9928 FN 07/47 FIXED 4.5%	963,303	1,001,319	921,962
FNMA POOL AS9994 FN 04/47 FIXED 4.5%	14,189	14,640	13,625
FNMA POOL AT0292 FN 03/43 FIXED 3%	81,152	77,957	71,950
FNMA POOL AT0442 FN 03/43 FIXED 3%	11,879	11,413	10,467
FNMA POOL AT0654 FN 04/43 FIXED 3%	178,698	173,734	157,459
FNMA POOL AT0750 FN 03/43 FIXED 3%	20,810	20,210	18,354
FNMA POOL AT1751 FN 04/43 FIXED 3%	143,157	139,053	126,142
FNMA POOL AT2009 FN 04/43 FIXED 3%	108,137	103,890	95,285
FNMA POOL AT2014 FN 04/43 FIXED 3%	886,372	872,222	781,075
FNMA POOL AT3173 FN 05/43 FIXED 3%	43,054	41,436	37,938
FNMA POOL AT4000 FN 05/43 FIXED 3%	112,364	107,976	99,007
FNMA POOL AT5975 FN 05/43 FIXED 3%	227,388	221,285	200,357
FNMA POOL AT6549 FN 06/43 FIXED 4%	33,327	32,052	31,323
FNMA POOL AT6888 FN 09/43 FIXED 4%	140,532	146,130	132,544
FNMA POOL AT7101 FN 06/43 FIXED 3.5%	289,430	269,226	262,738
FNMA POOL AT7450 FN 05/43 FIXED 3%	24,668	23,961	21,796
FNMA POOL AT7610 FN 06/43 FIXED 3%	51,527	49,999	45,402
FNMA POOL AT8407 FN 06/43 FIXED 3%	36,067	34,910	31,780
FNMA POOL AT9221 FN 07/43 FIXED 3%	305,813	302,028	268,843
FNMA POOL AT9647 FN 07/43 FIXED 3%	22,812	22,107	20,101
FNMA POOL AU0165 FN 07/43 FIXED 4%	345,212	357,787	324,079
FNMA POOL AU2633 FN 09/43 FIXED 4%	165,655	172,473	156,241
FNMA POOL AU3498 FN 09/43 FIXED 4%	284,244	295,851	268,089
FNMA POOL AU6735 FN 10/43 FIXED 3	87,594	78,897	76,929
FNMA POOL AU6743 FN 10/43 FIXED 4%	318,891	337,186	299,175
FNMA POOL AU7404 FN 11/43 FIXED 4.5%	1,298	1,264	1,237
FNMA POOL AU9652 FN 10/43 FIXED 3%	68,815	69,369	60,447
FNMA POOL AV2810 FN 06/44 FLT	73,983	76,315	74,929
FNMA POOL AV3726 FN 11/28 FIXED 3%	25,739	26,067	25,031
FNMA POOL AV4197 FN 01/44 FIXED 5%	30,561	31,985	29,990
FNMA POOL AV7116 FN 03/44 FIXED 4.5%	40,414	39,815	38,992

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets
---	--------------------------

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL AV9324 FN 03/29 FIXED 3%	36,489	37,008	35,507
FNMA POOL AW0362 FN 03/29 FIXED 3.5%	92,263	94,686	89,982
FNMA POOL AW0758 FN 03/44 FIXED 4.5%	66,985	65,190	63,822
FNMA POOL AW3139 FN 05/39 FIXED 4%	716	757	676
FNMA POOL AW3584 FN 06/44 FIXED 4.5%	26,113	27,489	25,081
FNMA POOL AW4106 FN 04/29 FIXED 3%	56,452	57,227	54,932
FNMA POOL AW4677 FN 05/44 FIXED 4.5%	13,007	12,695	12,429
FNMA POOL AW8166 FN 02/27 FIXED 3%	44,608	45,060	43,929
FNMA POOL AX0875 FN 11/44 FLT	462,354	478,617	473,484
FNMA POOL AX2741 FN 10/29 FIXED 3.5%	19,259	19,839	18,669
FNMA POOL AX3271 FN 05/30 FIXED 3%	57,447	58,485	55,500
FNMA POOL AX3298 FN 08/30 FIXED 3%	18,199	18,593	17,517
FNMA POOL AX9700 FN 07/30 FIXED 3%	22,255	22,725	21,453
FNMA POOL AY0760 FN 03/45 FIXED 3.5%	15,603	16,055	13,999
FNMA POOL AY0830 FN 05/30 FIXED 2.5%	43,105	43,325	41,214
FNMA POOL AY2916 FN 03/45 FIXED 4%	7,326	7,792	6,816
FNMA POOL AY3414 FN 04/30 FIXED 2.5%	19,378	19,479	18,433
FNMA POOL AY5214 FN 05/45 FIXED 3.5%	8,350	8,590	7,491
FNMA POOL AY6450 FN 04/45 FIXED 3%	72,513	73,741	63,837
FNMA POOL AZ0814 FN 07/45 FIXED 3.5%	427,784	438,721	384,319
FNMA POOL AZ2147 FN 07/45 FIXED 3.5%	5,922	6,107	5,313
FNMA POOL AZ2170 FN 07/30 FIXED 2.5%	20,171	20,274	19,231
FNMA POOL AZ2297 FN 07/30 FIXED 3%	14,360	14,622	13,744
FNMA POOL AZ4775 FN 10/45 FIXED 3.5%	318,631	330,493	286,137
FNMA POOL AZ4782 FN 10/45 FIXED 4%	120,621	128,695	112,240
FNMA POOL AZ5735 FN 09/45 FIXED 4%	17,827	18,801	16,419
FNMA POOL AZ5938 FN 10/45 FLT	344,411	354,149	352,784
FNMA POOL AZ7192 FN 02/41 FIXED 4.5%	170,199	181,671	164,335
FNMA POOL AZ7833 FN 08/30 FIXED 3%	16,935	17,307	16,236
FNMA POOL BC0311 FN 03/46 FIXED 4.5%	91,010	94,409	87,358
FNMA POOL BC2673 FN 03/46 FIXED 3%	69,973	69,151	60,956
FNMA POOL BC2738 FN 05/46 FIXED 3%	677,162	709,526	587,723
FNMA POOL BC6129 FN 07/31 FIXED 2.5%	515,502	525,136	487,859
FNMA POOL BD2455 FN 01/47 FIXED 3	1,145,405	1,019,383	992,739
FNMA POOL BD5180 FN 07/46 FIXED 4.5%	39,740	41,384	38,080
FNMA POOL BD6102 FN 10/46 FIXED 3%	83,734	83,575	73,139
FNMA POOL BD6533 FN 10/46 FIXED 3%	169,849	169,527	148,354
FNMA POOL BD6718 FN 09/46 FIXED 3%	53,745	53,644	46,943
FNMA POOL BE6116 FN 01/47 FIXED 3.5%	273,258	287,853	245,159
FNMA POOL BF0118 FN 06/56 FIXED 4.5%	1,943,382	2,066,514	1,844,891
FNMA POOL BF0141 FN 09/56 FIXED 5.5%	1,155,618	1,195,774	1,180,223
FNMA POOL BF0163 FN 11/46 FIXED 5%	967,232	964,737	948,025
FNMA POOL BF0676 FN 09/62 FIXED 3.5%	7,029,493	6,341,742	6,103,280
FNMA POOL BH5350 FN 07/47 FLT	730,599	748,209	750,362
FNMA POOL BH5739 FN 11/47 FIXED 4.5%	453,653	471,561	434,605
FNMA POOL BH9222 FN 01/48 FIXED 4%	516,273	497,796	478,598
FNMA POOL BJ0258 FN 10/47 FIXED 4.5%	2,770	2,699	2,643
FNMA POOL BJ0648 FN 03/48 FIXED 3.5%	262,754	276,175	235,730
FNMA POOL BJ0650 FN 03/48 FIXED 3.5%	508,459	473,445	456,165
FNMA POOL BK3044 FN 09/50 FIXED 2.5%	756,947	790,224	623,706
FNMA POOL BK4740 FN 08/48 FIXED 4	331,358	354,060	307,172
FNMA POOL BK4772 FN 08/48 FIXED 4%	317,919	306,525	294,554
FNMA POOL BK7483 FN 07/48 FIXED 4%	268,980	274,997	249,660
FNMA POOL BK7611 FN 09/48 FIXED 4.5%	282,343	302,149	269,380
FNMA POOL BK7943 FN 11/48 FIXED 4%	386,927	410,429	359,302
FNMA POOL BK9818 FN 09/48 FIXED 5%	23,934	26,333	23,502
FNMA POOL BM1145 FN 03/43 FIXED 3.0%	1,279,228	1,239,344	1,131,083
FNMA POOL BM1565 FN 04/47 FIXED 3.0%	856,302	763,162	743,257
FNMA POOL BM4751 FN 03/43 FIXED 3.5%	153,642	143,827	140,404
FNMA POOL BM5024 FN 11/48 FIXED 3.0%	815,144	847,451	705,766
FNMA POOL BM5235 FN 09/48 FIXED 5.0%	52,057	57,525	51,239

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL BM5538 FN 11/48 FIXED 5.0%	259,060	283,718	255,129
FNMA POOL BM5632 FN 12/47 FIXED 3.0%	573,365	599,562	496,404
FNMA POOL BM5646 FN 09/29 FIXED 6.0%	18,042	18,706	18,136
FNMA POOL BM5704 FN 12/48 FIXED 5.0%	842,451	883,029	828,973
FNMA POOL BM5897 FN 05/48 FIXED 3.5%	276,448	290,402	248,323
FNMA POOL BM5984 FN 05/49 FIXED 5.0%	222,429	245,762	218,733
FNMA POOL BN1272 FN 11/48 FIXED 4.5%	925,250	954,931	881,425
FNMA POOL BN8997 FN 03/51 FIXED 2%	397,054	390,444	313,729
FNMA POOL BN9004 FN 03/51 FIXED 2%	220,910	217,436	174,767
FNMA POOL BO1002 FN 07/49 FIXED 4.5%	27,266	29,115	25,932
FNMA POOL BO1858 FN 08/49 FIXED 3%	99,225	88,677	86,371
FNMA POOL BO7838 FN 04/50 FIXED 2.5%	525,110	543,346	432,675
FNMA POOL BO8954 FN 01/50 FIXED 3.5%	202,190	212,652	181,302
FNMA POOL BO9017 FN 02/50 FIXED 3%	151,098	157,966	130,193
FNMA POOL BP1369 FN 03/50 FIXED 3%	378,396	395,860	326,043
FNMA POOL BP1372 FN 03/50 FIXED 3%	298,253	312,045	256,618
FNMA POOL BP2099 FN 02/50 FIXED 3%	723,791	754,916	624,329
FNMA POOL BP3054 FN 03/50 FIXED 3%	439,204	461,688	378,439
FNMA POOL BP3061 FN 03/50 FIXED 3%	209,534	218,269	180,088
FNMA POOL BP3574 FN 07/51 FIXED 2.5%	192,252	174,192	159,155
FNMA POOL BP6716 FN 09/50 FIXED 2.5%	702,370	733,702	578,734
FNMA POOL BP9679 FN 07/50 FIXED 3%	369,611	387,107	317,784
FNMA POOL BQ1363 FN 09/50 FIXED 2%	1,185,035	1,138,067	934,864
FNMA POOL BQ5009 FN 09/50 FIXED 2%	419,737	379,593	330,416
FNMA POOL BQ5094 FN 10/50 FIXED 2%	104,151	93,418	82,034
FNMA POOL BQ5876 FN 11/50 FIXED 2.5%	145,353	123,833	120,443
FNMA POOL BQ6328 FN 11/35 FIXED 2%	256,864	238,677	228,644
FNMA POOL BQ8435 FN 12/50 FIXED 2.5%	151,901	128,764	125,218
FNMA POOL BQ8482 FN 12/50 FIXED 2.5%	201,074	171,123	166,432
FNMA POOL BQ9453 FN 03/51 FIXED 2%	225,469	183,515	178,138
FNMA POOL BR1001 FN 05/51 FIXED 2.5%	144,240	123,301	119,939
FNMA POOL BR1655 FN 02/36 FIXED 2%	1,551,903	1,443,418	1,384,802
FNMA POOL BR1823 FN 01/51 FIXED 2%	147,154	119,652	116,247
FNMA POOL BR1967 FN 02/51 FIXED 2%	79,965	65,024	63,173
FNMA POOL BR2303 FN 08/51 FIXED 3%	77,067	68,377	66,588
FNMA POOL BR2664 FN 02/51 FIXED 2%	62,896	51,338	49,836
FNMA POOL BR2667 FN 02/51 FIXED 2%	648,975	667,810	513,099
FNMA POOL BR3286 FN 03/51 FIXED 2%	1,792,777	1,636,551	1,420,507
FNMA POOL BR4029 FN 02/51 FIXED 2%	949,182	978,292	747,932
FNMA POOL BR4035 FN 02/51 FIXED 2%	215,627	175,338	170,347
FNMA POOL BR4051 FN 02/51 FIXED 2%	792,501	816,915	624,783
FNMA POOL BR4052 FN 02/51 FIXED 2%	70,485	57,315	55,683
FNMA POOL BR4515 FN 02/51 FIXED 2%	873,763	899,601	686,481
FNMA POOL BR4654 FN 03/51 FIXED 2.5%	173,988	157,660	143,763
FNMA POOL BR5559 FN 03/51 FIXED 2%	618,624	558,508	489,292
FNMA POOL BR5566 FN 03/51 FIXED 2%	733,559	595,190	578,205
FNMA POOL BR6352 FN 03/51 FIXED 2.5%	342,198	300,467	283,828
FNMA POOL BR6546 FN 04/51 FIXED 2%	1,859,173	1,696,035	1,470,828
FNMA POOL BR7241 FN 04/51 FIXED 2%	397,655	390,679	315,314
FNMA POOL BR7317 FN 04/51 FIXED 2%	80,883	78,618	64,041
FNMA POOL BR7744 FN 04/51 FIXED 2%	66,275	54,241	52,658
FNMA POOL BR7745 FN 04/51 FIXED 2%	130,009	106,196	103,087
FNMA POOL BR7795 FN 04/51 FIXED 2.5%	1,484,380	1,533,313	1,222,157
FNMA POOL BR7802 FN 04/51 FIXED 2%	339,908	314,733	268,734
FNMA POOL BR8283 FN 04/51 FIXED 2.5%	106,109	96,148	87,841
FNMA POOL BR8296 FN 05/51 FIXED 2.5%	60,940	55,218	50,450
FNMA POOL BR8478 FN 04/51 FIXED 2%	74,950	61,366	59,575
FNMA POOL BR8518 FN 04/51 FIXED 2%	66,234	54,102	52,518
FNMA POOL BR8896 FN 04/51 FIXED 2.5%	206,272	186,910	170,516
FNMA POOL BR8915 FN 05/51 FIXED 2.5%	117,946	106,872	97,547
FNMA POOL BR9265 FN 06/51 FIXED 1.5%	982,681	761,775	726,727

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL BR9363 FN 05/51 FIXED 2.5%	718,439	745,324	591,876
FNMA POOL BT0281 FN 04/51 FIXED 2%	75,302	73,228	59,855
FNMA POOL BT0417 FN 06/51 FIXED 2.5%	658,890	682,582	542,182
FNMA POOL BT0972 FN 05/51 FIXED 2.5%	175,804	141,991	137,997
FNMA POOL BT1339 FN 07/51 FIXED 2.5%	1,273,041	1,314,033	1,043,814
FNMA POOL BT2488 FN 05/51 FIXED 2.5%	854,378	881,916	703,043
FNMA POOL BT3211 FN 06/36 FIXED 2%	164,280	152,458	145,778
FNMA POOL BT3273 FN 08/51 FIXED 2.5%	1,079,073	1,120,716	894,668
FNMA POOL BT7263 FN 09/51 FIXED 2.5%	1,313,711	1,207,226	1,070,913
FNMA POOL BT8452 FN 10/51 FIXED 2.5%	66,167	59,947	54,644
FNMA POOL BT9444 FN 11/36 FIXED 2%	145,983	135,163	129,665
FNMA POOL BU1350 FN 02/52 FIXED 3%	169,448	146,148	144,097
FNMA POOL BU1421 FN 01/52 FIXED 3%	564,522	497,123	484,126
FNMA POOL BU2599 FN 01/52 FIXED 2.5%	153,099	129,721	126,172
FNMA POOL BU6239 FN 01/52 FIXED 2%	70,172	68,122	55,731
FNMA POOL BU6242 FN 01/52 FIXED 2%	168,660	163,610	133,722
FNMA POOL BU8667 FN 05/52 FIXED 4%	353,736	349,116	324,104
FNMA POOL BU8750 FN 06/52 FIXED 5%	80,355	79,661	78,120
FNMA POOL BU8842 FN 05/52 FIXED 3.5%	8,424,292	8,183,157	7,479,439
FNMA POOL BV2451 FN 06/52 FIXED 3%	1,869,622	1,537,168	1,588,004
FNMA POOL BV2558 FN 06/52 FIXED 5%	1,528,374	1,515,426	1,479,479
FNMA POOL BV2623 FN 07/52 FIXED 4.5%	387,621	387,380	365,179
FNMA POOL BV2634 FN 07/52 FIXED 4%	1,173,258	1,171,860	1,074,789
FNMA POOL BV3089 FN 02/52 FIXED 2.5%	152,258	129,106	125,563
FNMA POOL BV4119 FN 03/52 FIXED 2.5%	1,379,555	1,224,364	1,125,119
FNMA POOL BV4139 FN 03/52 FIXED 2.5%	943,119	937,982	775,895
FNMA POOL BV4142 FN 03/52 FIXED 3%	72,096	63,366	61,688
FNMA POOL BV4145 FN 03/52 FIXED 3%	7,394,303	7,117,096	6,360,844
FNMA POOL BV4196 FN 04/52 FIXED 3%	6,148,894	5,824,885	5,262,345
FNMA POOL BV5395 FN 04/52 FIXED 3.5%	69,350	63,278	61,695
FNMA POOL BV5405 FN 04/52 FIXED 4%	149,534	141,429	138,188
FNMA POOL BV7959 FN 08/52 FIXED 5%	1,407,631	1,404,883	1,363,045
FNMA POOL BV8055 FN 09/52 FIXED 4.5%	1,436,955	1,391,539	1,353,812
FNMA POOL BV8463 FN 04/52 FIXED 2.5%	324,961	279,683	266,467
FNMA POOL BV8546 FN 05/52 FIXED 3.5%	381,262	349,751	341,054
FNMA POOL BV9902 FN 06/52 FIXED 4%	8,170,144	7,626,370	7,516,798
FNMA POOL BV9913 FN 06/52 FIXED 3.5	1,249,464	1,144,745	1,107,008
FNMA POOL BW0036 FN 07/52 FIXED 4.5%	641,666	617,289	608,971
FNMA POOL BW1201 FN 09/52 FIXED 5%	1,506,822	1,494,713	1,457,468
FNMA POOL BW4908 FN 04/53 FIXED 6%	938,851	957,086	944,309
FNMA POOL BW6232 FN 09/52 FIXED 5%	1,805,151	1,764,747	1,747,133
FNMA POOL BW9838 FN 09/52 FIXED 4.5%	21,388,844	20,342,667	20,345,180
FNMA POOL BW9916 FN 10/52 FIXED 5%	403,617	397,872	390,848
FNMA POOL BY0557 FN 05/53 FIXED 5.5%	1,325,717	1,338,341	1,315,660
FNMA POOL BY0568 FN 05/53 FIXED 6%	107,949	110,168	109,297
FNMA POOL BY2967 FN 05/53 FIXED 5.5%	281,347	283,472	279,213
FNMA POOL BZ1178 FN 06/31 FIXED 5.81	3,835,000	3,859,676	3,916,258
FNMA POOL CA0559 FN 10/47 FIXED 4.5%	89,048	96,319	85,078
FNMA POOL CA1119 FN 02/48 FIXED 4%	1,170,577	1,195,043	1,086,739
FNMA POOL CA1197 FN 02/48 FIXED 4%	935,528	957,193	868,340
FNMA POOL CA1368 FN 03/48 FIXED 4%	1,391,393	1,420,627	1,291,466
FNMA POOL CA1909 FN 06/48 FIXED 4.5%	91,703	96,233	87,311
FNMA POOL CA2032 FN 07/48 FIXED 4%	607,808	621,274	564,154
FNMA POOL CA2472 FN 10/48 FIXED 4%	365,880	345,355	337,583
FNMA POOL CA2922 FN 12/48 FIXED 3%	86,074	90,161	74,470
FNMA POOL CA3096 FN 02/49 FIXED 4.5%	3,172	3,274	3,018
FNMA POOL CA3180 FN 08/48 FIXED 4%	67,201	71,651	62,297
FNMA POOL CA3861 FN 07/49 FIXED 3.5%	1,246,600	1,233,710	1,118,354
FNMA POOL CA3967 FN 08/49 FIXED 3.5%	892,043	882,817	800,271
FNMA POOL CA4015 FN 01/48 FIXED 3%	296,719	301,640	256,821
FNMA POOL CA4340 FN 10/49 FIXED 3%	548,958	587,659	475,219

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL CA4427 FN 10/49 FIXED 3%	538,701	560,131	462,501
FNMA POOL CA4648 FN 04/48 FIXED 3%	279,092	285,696	241,788
FNMA POOL CA4756 FN 12/49 FIXED 3%	522,463	559,522	451,738
FNMA POOL CA5221 FN 02/50 FIXED 3.5%	397,681	417,289	356,762
FNMA POOL CA5519 FN 04/50 FIXED 3%	180,781	189,252	155,432
FNMA POOL CA5559 FN 04/50 FIXED 3.5%	360,394	379,735	323,162
FNMA POOL CA5668 FN 05/50 FIXED 3%	82,116	86,190	70,589
FNMA POOL CA6032 FN 06/50 FIXED 2.5%	686,849	605,968	569,143
FNMA POOL CA6086 FN 06/50 FIXED 3%	449,711	467,554	386,512
FNMA POOL CA6291 FN 07/50 FIXED 3%	287,350	300,897	246,833
FNMA POOL CA6341 FN 07/50 FIXED 2.5%	1,822,122	1,676,110	1,509,861
FNMA POOL CA6342 FN 07/50 FIXED 2.5%	1,795,416	1,651,545	1,487,738
FNMA POOL CA6343 FN 07/50 FIXED 2.5%	1,850,806	1,707,592	1,533,635
FNMA POOL CA6401 FN 07/50 FIXED 2.5%	6,047,678	6,307,586	4,987,856
FNMA POOL CA6577 FN 08/50 FIXED 2.5%	3,376,756	3,131,178	2,798,066
FNMA POOL CA6636 FN 08/50 FIXED 2.5%	2,798,374	2,594,859	2,318,802
FNMA POOL CA6711 FN 08/50 FIXED 2.5%	861,946	801,820	714,229
FNMA POOL CA6925 FN 09/50 FIXED 2%	12,967,427	13,436,166	10,207,573
FNMA POOL CA6981 FN 09/50 FIXED 2%	6,684,413	6,940,464	5,275,421
FNMA POOL CA6988 FN 09/50 FIXED 2.5%	1,608,921	1,485,891	1,334,439
FNMA POOL CA7023 FN 09/50 FIXED 2%	404,693	327,504	318,138
FNMA POOL CA7224 FN 10/50 FIXED 2%	535,427	433,948	421,571
FNMA POOL CA7225 FN 10/50 FIXED 2%	133,497	108,030	104,944
FNMA POOL CA7248 FN 10/50 FIXED 2.5	242,289	197,667	198,367
FNMA POOL CA7376 FN 10/50 FIXED 3%	524,985	452,884	454,270
FNMA POOL CA7379 FN 10/50 FIXED 3%	513,094	438,245	441,874
FNMA POOL CA7422 FN 10/40 FIXED 2	840,463	718,601	701,650
FNMA POOL CA7531 FN 10/50 FIXED 3%	742,925	649,620	642,968
FNMA POOL CA7597 FN 11/50 FIXED 2.5%	1,940,927	1,804,015	1,621,851
FNMA POOL CA7833 FN 11/50 FIXED 2%	9,078,690	9,396,804	7,164,989
FNMA POOL CA8441 FN 01/51 FIXED 2%	12,228,737	12,740,058	9,650,536
FNMA POOL CA8473 FN 01/51 FIXED 2%	7,366,478	7,646,794	5,820,591
FNMA POOL CA8592 FN 01/51 FIXED 2.5%	353,865	335,902	293,222
FNMA POOL CA8817 FN 02/51 FIXED 2%	1,637,473	1,686,793	1,283,059
FNMA POOL CA8847 FN 02/51 FIXED 2%	11,734,593	12,188,625	9,274,687
FNMA POOL CA9038 FN 02/51 FIXED 2.5%	1,472,757	1,346,905	1,219,219
FNMA POOL CA9152 FN 02/36 FIXED 2.5%	2,257,182	2,381,206	2,054,747
FNMA POOL CB0090 FN 04/51 FIXED 2%	1,453,319	1,168,474	1,136,598
FNMA POOL CB0290 FN 04/51 FIXED 2%	4,822,119	3,989,727	3,779,232
FNMA POOL CB0383 FN 05/51 FIXED 2.5%	1,915,595	1,714,915	1,584,876
FNMA POOL CB0470 FN 05/41 FIXED 2.5%	587,659	515,814	502,572
FNMA POOL CB0502 FN 05/51 FIXED 2%	881,998	893,768	692,805
FNMA POOL CB1027 FN 07/51 FIXED 2.5%	414,251	428,550	339,784
FNMA POOL CB1038 FN 07/51 FIXED 2.5%	708,731	734,472	583,714
FNMA POOL CB1332 FN 08/51 FIXED 2.5%	1,832,718	1,530,538	1,503,239
FNMA POOL CB1401 FN 08/51 FIXED 3%	3,575,221	3,391,394	3,074,171
FNMA POOL CB1666 FN 09/51 FIXED 2.5%	611,100	561,391	504,396
FNMA POOL CB1805 FN 10/51 FIXED 2.5%	1,706,660	1,498,250	1,409,601
FNMA POOL CB1806 FN 10/51 FIXED 2.5%	546,601	509,472	450,013
FNMA POOL CB2045 FN 11/51 FIXED 2.5%	999,014	876,995	824,330
FNMA POOL CB2372 FN 12/51 FIXED 2.5%	417,598	389,218	344,405
FNMA POOL CB2408 FN 12/51 FIXED 2.5	12,704,924	10,489,853	10,390,333
FNMA POOL CB2601 FN 01/52 FIXED 2%	472,990	470,663	375,040
FNMA POOL CB2836 FN 02/52 FIXED 2%	239,324	234,788	190,185
FNMA POOL CB2837 FN 02/52 FIXED 2%	544,759	534,208	431,898
FNMA POOL CB2838 FN 02/52 FIXED 2%	1,211,570	1,187,015	958,748
FNMA POOL CB2852 FN 11/51 FIXED 2%	2,763,844	2,554,044	2,155,433
FNMA POOL CB2856 FN 02/52 FIXED 2.5%	2,876,269	2,896,343	2,376,893
FNMA POOL CB3044 FN 03/52 FIXED 2.5%	332,887	282,587	275,717
FNMA POOL CB3101 FN 03/52 FIXED 2%	1,670,494	1,476,516	1,321,902
FNMA POOL CB3105 FN 03/52 FIXED 2%	1,173,910	1,038,711	930,690

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL CB3332 FN 04/52 FIXED 3.5%	7,458,134	6,895,686	6,651,095
FNMA POOL CB3386 FN 04/42 FIXED 3.5%	79,371	73,790	72,015
FNMA POOL CB3495 FN 05/52 FIXED 3%	1,704,856	1,469,335	1,449,922
FNMA POOL CB3595 FN 05/52 FIXED 3.5%	10,038,229	9,272,112	8,912,963
FNMA POOL CB3605 FN 05/52 FIXED 3.5%	20,318,016	19,806,847	18,058,991
FNMA POOL CB3622 FN 05/52 FIXED 4%	917,904	886,254	840,973
FNMA POOL CB3841 FN 06/52 FIXED 3.5%	13,844,377	13,159,436	12,346,207
FNMA POOL CB3880 FN 06/52 FIXED 5%	150,551	149,366	146,364
FNMA POOL CB3914 FN 06/52 FIXED 4%	1,200,578	1,200,553	1,099,943
FNMA POOL CB4333 FN 08/52 FIXED 4%	8,487,883	8,448,214	7,842,128
FNMA POOL CB4404 FN 08/52 FIXED 5%	1,414,086	1,427,798	1,369,785
FNMA POOL CB4657 FN 09/52 FIXED 3.5%	47,140	44,938	42,154
FNMA POOL CB4658 FN 09/52 FIXED 3.5%	157,426	149,886	140,628
FNMA POOL CB4660 FN 09/52 FIXED 3.5%	203,977	193,788	181,296
FNMA POOL CB4661 FN 09/52 FIXED 3.5%	246,203	233,541	218,629
FNMA POOL CB4693 FN 09/52 FIXED 5.5%	1,677,820	1,706,460	1,675,264
FNMA POOL CB5055 FN 11/52 FIXED 6%	1,231,645	1,247,456	1,246,514
FNMA POOL CB5087 FN 11/52 FIXED 5.5%	1,700,238	1,697,786	1,697,649
FNMA POOL CB5108 FN 11/52 FIXED 5.5%	942,229	949,219	936,433
FNMA POOL CB5145 FN 11/52 FIXED 6%	895,721	907,220	906,535
FNMA POOL CB5156 FN 11/52 FIXED 6.5%	74,256	77,295	76,723
FNMA POOL CB5310 FN 12/52 FIXED 6%	1,505,737	1,525,067	1,523,918
FNMA POOL CB5384 FN 12/52 FIXED 4.5%	796,838	777,943	750,876
FNMA POOL CB5543 FN 01/53 FIXED 6%	3,137,779	3,178,062	3,175,665
FNMA POOL CB5906 FN 03/53 FIXED 5.5%	985,436	945,105	974,458
FNMA POOL CB6031 FN 04/53 FIXED 5%	377,830	373,232	365,993
FNMA POOL CB6063 FN 04/53 FIXED 5%	821,884	823,342	798,415
FNMA POOL CB6076 FN 04/53 FIXED 5.5%	877,513	899,526	874,629
FNMA POOL CB6080 FN 04/53 FIXED 5.5%	1,644,319	1,668,749	1,630,709
FNMA POOL CB6088 FN 04/53 FIXED 6%	882,069	921,264	900,123
FNMA POOL CB6089 FN 04/53 FIXED 6%	851,338	885,083	867,183
FNMA POOL CB6090 FN 04/53 FIXED 6%	852,818	883,553	863,821
FNMA POOL CB6196 FN 05/53 FIXED 6%	285,951	293,173	292,423
FNMA POOL CB6201 FN 05/53 FIXED 6%	2,107,833	2,108,872	2,122,621
FNMA POOL CB6329 FN 05/53 FIXED 6%	802,853	818,329	812,877
FNMA POOL CB6463 FN 06/53 FIXED 5.5%	612,484	614,389	607,837
FNMA POOL CB6757 FN 07/53 FIXED 6.0%	1,020,408	1,023,056	1,033,149
FNMA POOL CB7045 FN 09/53 FIXED 5.0%	6,421,665	6,323,779	6,264,053
FNMA POOL CB7109 FN 09/53 FIXED 5.5%	1,456,651	1,465,374	1,444,738
FNMA POOL CB7142 FN 09/53 FIXED 6.5	402,091	411,957	414,449
FNMA POOL CB7143 FN 09/53 FIXED 6.5%	2,518,563	2,553,868	2,589,899
FNMA POOL CB8018 FN 02/54 FIXED 6.5	2,035,414	2,083,942	2,095,166
FNMA POOL CB8339 FN 04/54 FIXED 6	551,034	556,508	558,487
FNMA POOL CB8727 FN 06/54 FIXED 6.5%	1,315,702	1,347,263	1,345,830
FNMA POOL DB3559 FN 05/54 FIXED 5.5%	9,546,580	9,549,908	9,464,285
FNMA POOL DC2897 FN 09/54 FIXED 6%	611,025	627,776	618,438
FNMA POOL FM0068 FN 02/40 FIXED 3.5%	163,723	154,908	152,680
FNMA POOL FM1193 FN 06/49 FIXED 3.5%	43,291	39,911	38,838
FNMA POOL FM1526 FN 09/49 FIXED 3.0%	327,132	330,865	281,524
FNMA POOL FM1572 FN 09/48 FIXED 3.0%	464,437	477,799	402,371
FNMA POOL FM2885 FN 12/48 FIXED 3.0%	245,155	257,273	212,043
FNMA POOL FM2915 FN 11/48 FIXED 3.0%	233,148	245,316	202,211
FNMA POOL FM2971 FN 08/45 FIXED 4.0%	737,495	747,516	688,088
FNMA POOL FM3049 FN 04/44 FIXED 4.0%	689,677	660,542	645,938
FNMA POOL FM3083 FN 10/49 FIXED 4.5%	148,752	154,451	141,884
FNMA POOL FM3664 FN 03/49 FIXED 4.0%	400,237	424,024	370,923
FNMA POOL FM3904 FN 03/49 FIXED 4.0%	179,886	191,776	166,748
FNMA POOL FM4129 FN 09/50 FIXED 4.0%	66,857	70,746	61,670
FNMA POOL FM4231 FN 09/50 FIXED 2.5%	568,812	596,370	467,460
FNMA POOL FM4252 FN 09/50 FIXED 2.0%	65,587	52,988	51,469
FNMA POOL FM4311 FN 08/50 FIXED 3.0%	61,396	54,592	52,998

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL FM4334 FN 04/50 FIXED 3.0%	293,668	307,987	253,221
FNMA POOL FM4583 FN 10/50 FIXED 2.0%	7,285,975	6,062,135	5,755,210
FNMA POOL FM4828 FN 11/50 FIXED 3.0%	4,251,764	4,477,977	3,641,055
FNMA POOL FM4899 FN 11/50 FIXED 2.5%	283,278	239,659	233,046
FNMA POOL FM4946 FN 09/48 FIXED 5.0%	64,742	64,581	63,322
FNMA POOL FM5037 FN 12/35 FIXED 2.0%	1,133,327	1,054,260	1,011,466
FNMA POOL FM5176 FN 12/50 FIXED 2.0%	594,986	585,229	470,167
FNMA POOL FM5295 FN 04/48 FIXED 3.5%	472,763	525,552	430,483
FNMA POOL FM5296 FN 01/49 FIXED 4.0%	109,211	119,530	101,516
FNMA POOL FM5313 FN 10/50 FIXED 2.5%	371,058	315,573	307,434
FNMA POOL FM5315 FN 06/49 FIXED 3.5%	307,500	325,943	276,063
FNMA POOL FM5316 FN 12/50 FIXED 2.0%	734,404	759,967	577,322
FNMA POOL FM5428 FN 10/35 FIXED 2.0%	1,056,073	983,123	942,359
FNMA POOL FM5566 FN 09/48 FIXED 4.0%	472,316	455,384	437,907
FNMA POOL FM5601 FN 01/49 FIXED 4.0%	737,022	740,889	684,175
FNMA POOL FM5783 FN 06/38 FIXED 3.0%	209,571	195,905	194,021
FNMA POOL FM5923 FN 03/48 FIXED 3.5%	834,725	880,847	748,954
FNMA POOL FM5997 FN 02/51 FIXED 2.0%	3,801,717	3,933,342	3,006,134
FNMA POOL FM6015 FN 08/39 FIXED 3.5%	84,462	80,672	79,850
FNMA POOL FM6043 FN 06/49 FIXED 3.5%	2,526,454	2,678,812	2,266,872
FNMA POOL FM6149 FN 02/36 FIXED 2.0%	395,721	364,915	352,221
FNMA POOL FM6184 FN 03/51 FIXED 2.0%	799,729	654,245	635,150
FNMA POOL FM6418 FN 03/51 FIXED 2.0%	72,873	59,642	57,901
FNMA POOL FM6460 FN 03/51 FIXED 2.5%	201,973	172,007	167,297
FNMA POOL FM6518 FN 03/36 FIXED 2.0%	88,462	82,200	78,409
FNMA POOL FM6555 FN 04/51 FIXED 2.0%	515,286	419,005	407,079
FNMA POOL FM6672 FN 03/51 FIXED 2.5%	560,888	515,301	460,337
FNMA POOL FM6837 FN 08/47 FIXED 3.0%	720,420	756,119	622,367
FNMA POOL FM7100 FN 06/50 FIXED 3.5%	305,734	279,783	272,193
FNMA POOL FM7189 FN 05/51 FIXED 2.5%	374,221	386,282	310,758
FNMA POOL FM7289 FN 05/51 FIXED 3.0%	720,055	755,285	621,977
FNMA POOL FM7435 FN 11/35 FIXED 2.0%	371,786	345,562	330,934
FNMA POOL FM7558 FN 09/50 FIXED 3.5%	311,306	326,658	279,058
FNMA POOL FM7592 FN 03/50 FIXED 3.5%	1,188,622	1,247,420	1,066,440
FNMA POOL FM7599 FN 01/51 FIXED 3.5%	26,871,667	26,715,922	24,031,692
FNMA POOL FM7630 FN 06/51 FIXED 2.5%	699,924	595,856	579,583
FNMA POOL FM7673 FN 06/51 FIXED 2.5%	1,381,258	1,170,969	1,138,771
FNMA POOL FM7675 FN 06/51 FIXED 2.5%	300,512	255,556	248,583
FNMA POOL FM7738 FN 06/51 FIXED 2.5%	1,123,772	1,158,687	925,336
FNMA POOL FM7786 FN 01/49 FIXED 4%	231,394	219,442	214,537
FNMA POOL FM7869 FN 01/51 FIXED 2.5%	139,334	118,443	115,193
FNMA POOL FM8025 FN 07/51 FIXED 2.5%	72,984	62,362	60,666
FNMA POOL FM8166 FN 06/51 FIXED 3.0%	65,422	58,439	56,921
FNMA POOL FM8178 FN 07/51 FIXED 2.5%	1,306,923	1,357,401	1,072,796
FNMA POOL FM8309 FN 08/51 FIXED 2.0%	1,040,999	930,350	820,675
FNMA POOL FM8360 FN 08/51 FIXED 2.5%	554,480	574,830	460,185
FNMA POOL FM8422 FN 08/51 FIXED 2.5%	1,578,014	1,483,325	1,286,038
FNMA POOL FM8442 FN 08/51 FIXED VAR	1,102,073	884,881	904,184
FNMA POOL FM8577 FN 08/51 FIXED 3.0%	339,058	301,128	293,260
FNMA POOL FM8658 FN 09/51 FIXED VAR	6,193,723	5,104,495	5,051,341
FNMA POOL FM8691 FN 09/51 FIXED 2.5%	3,917,852	4,096,536	3,233,160
FNMA POOL FM8695 FN 09/36 FIXED 2.0%	163,784	147,722	145,015
FNMA POOL FM8733 FN 09/36 FIXED 2.0%	180,372	162,684	159,773
FNMA POOL FM8768 FN 02/51 FIXED 2.5%	7,276,739	7,585,067	6,001,443
FNMA POOL FM8779 FN 09/51 FIXED 2.5%	431,078	378,446	356,387
FNMA POOL FM8864 FN 10/51 FIXED 2.5%	437,076	371,444	361,312
FNMA POOL FM8977 FN 09/51 FIXED 2.5%	70,762	60,731	59,091
FNMA POOL FM9143 FN 09/50 FIXED 4.5%	61,423	66,093	58,415
FNMA POOL FM9205 FN 04/51 FIXED 2.5%	144,590	123,294	119,923
FNMA POOL FM9365 FN 11/51 FIXED 3.0%	73,287	65,292	63,596
FNMA POOL FM9387 FN 11/51 FIXED 2.0%	152,566	123,886	120,355

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL FM9452 FN 11/51 FIXED 2.0%	445,181	397,925	352,993
FNMA POOL FM9464 FN 11/51 FIXED 3.0%	586,573	519,142	505,567
FNMA POOL FM9489 FN 11/51 FIXED 2.0%	162,537	131,983	128,221
FNMA POOL FM9492 FN 11/51 FIXED 2.5%	783,010	687,374	647,257
FNMA POOL FM9581 FN 11/51 FIXED 3.0%	6,214,073	6,007,533	5,354,237
FNMA POOL FM9925 FN 12/51 FIXED 2.0%	336,097	335,046	266,278
FNMA POOL FP0028 FN 08/40 FIXED 2.0%	261,766	224,137	218,575
FNMA POOL FS0024 FN 09/51 FIXED 2.5%	136,313	117,192	114,027
FNMA POOL FS0034 FN 12/51 FIXED 3.0%	150,433	133,815	130,340
FNMA POOL FS0037 FN 08/51 FIXED 3.0%	62,320	55,667	54,221
FNMA POOL FS0121 FN 01/52 FIXED 2.0%	1,364,943	1,355,643	1,072,329
FNMA POOL FS0191 FN 01/52 FIXED 2.5%	77,771	66,077	64,275
FNMA POOL FS0211 FN 12/51 FIXED 2.0%	511,682	508,423	403,379
FNMA POOL FS0212 FN 12/51 FIXED 2.0%	512,796	509,905	405,428
FNMA POOL FS0240 FN 01/52 FIXED 3.0%	298,694	266,286	259,345
FNMA POOL FS0288 FN 01/52 FIXED 2.0%	1,502,394	1,238,495	1,180,320
FNMA POOL FS0290 FN 01/52 FIXED 2.0%	401,000	392,210	317,977
FNMA POOL FS0366 FN 01/52 FIXED 2.5%	155,422	133,957	130,304
FNMA POOL FS0373 FN 01/52 FIXED 2.5%	5,336,612	5,257,703	4,403,996
FNMA POOL FS0408 FN 01/52 FIXED 3.0%	76,281	68,082	66,320
FNMA POOL FS0424 FN 01/52 FIXED 2.5%	473,881	402,614	391,606
FNMA POOL FS0434 FN 11/51 FIXED 2.5%	226,823	194,170	188,898
FNMA POOL FS0549 FN 02/52 FIXED 2.5%	907,993	769,736	749,282
FNMA POOL FS0582 FN 02/52 FIXED 2.5%	158,956	135,036	131,362
FNMA POOL FS0583 FN 02/52 FIXED 2.5%	85,181	72,313	70,341
FNMA POOL FS0599 FN 04/51 FIXED 2.0%	194,024	188,618	153,252
FNMA POOL FS0835 FN 03/52 FIXED VAR	494,470	419,012	408,011
FNMA POOL FS1074 FN 03/52 FIXED VAR	1,169,748	1,038,060	1,010,962
FNMA POOL FS1104 FN 11/51 FIXED 2.5%	228,068	193,840	188,536
FNMA POOL FS1112 FN 03/52 FIXED 2.0%	2,009,895	1,639,938	1,591,888
FNMA POOL FS1237 FN 12/51 FIXED 3.5%	677,736	622,345	606,897
FNMA POOL FS1267 FN 04/52 FIXED 4.0%	270,588	260,944	250,643
FNMA POOL FS1289 FN 03/52 FIXED 3.0%	386,140	343,718	334,718
FNMA POOL FS1334 FN 11/51 FIXED 2.0%	1,214,463	1,071,186	946,899
FNMA POOL FS1403 FN 01/45 FIXED 3.0%	74,144	66,785	65,117
FNMA POOL FS1406 FN 01/52 FIXED 2.0%	336,969	300,886	262,570
FNMA POOL FS1453 FN 04/52 FIXED 3.5%	19,748,408	19,018,612	17,604,460
FNMA POOL FS1462 FN 01/52 FIXED 3.5%	314,092	288,407	281,248
FNMA POOL FS1520 FN 04/52 FIXED 3.0%	392,764	376,264	337,911
FNMA POOL FS1539 FN 11/48 FIXED 3.0%	76,094	68,538	66,829
FNMA POOL FS1550 FN 07/51 FIXED 2.5%	719,464	664,335	592,810
FNMA POOL FS1661 FN 03/52 FIXED 2.5%	703,794	624,044	581,560
FNMA POOL FS1726 FN 09/41 FIXED 2.0%	158,756	135,405	132,491
FNMA POOL FS1873 FN 05/52 FIXED 3.0%	11,618,909	11,138,957	9,995,330
FNMA POOL FS2089 FN 06/52 FIXED 3.5%	5,286,382	4,887,558	4,713,072
FNMA POOL FS2099 FN 04/52 FIXED 1.5%	1,961,128	1,520,110	1,449,585
FNMA POOL FS2445 FN 07/52 FIXED 4.0%	3,934,357	3,776,090	3,671,600
FNMA POOL FS2446 FN 08/52 FIXED 4.0%	20,742,258	20,932,965	19,207,304
FNMA POOL FS2473 FN 07/52 FIXED 5.0%	607,029	573,576	589,268
FNMA POOL FS2512 FN 07/52 FIXED 3.5%	7,315,759	7,282,581	6,502,327
FNMA POOL FS2603 FN 08/52 FIXED 4.5%	1,368,037	1,377,236	1,287,141
FNMA POOL FS2772 FN 02/51 FIXED 2.5%	44,426	39,186	36,812
FNMA POOL FS2812 FN 07/52 FIXED 3.5%	322,377	307,656	288,502
FNMA POOL FS3009 FN 05/42 FIXED 2.0%	167,595	142,275	139,439
FNMA POOL FS3032 FN 02/52 FIXED 2.5%	44,452	38,581	36,598
FNMA POOL FS3143 FN 01/50 FIXED 4.0%	327,227	314,193	303,720
FNMA POOL FS3249 FN 11/52 FIXED 5.0%	471,961	465,387	457,175
FNMA POOL FS3251 FN 11/52 FIXED 6.0%	144,660	146,746	146,058
FNMA POOL FS3298 FN 10/51 FIXED 2.5%	368,743	321,116	300,662
FNMA POOL FS3368 FN 03/52 FIXED 2.5%	1,192,292	1,008,636	980,988
FNMA POOL FS3411 FN 01/53 FIXED 6.0%	160,782	163,879	162,206

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL FS3427 FN 10/52 FIXED 4.0%	3,621,822	3,428,753	3,326,566
FNMA POOL FS3569 FN 02/52 FIXED 3.0%	188,260	156,752	160,303
FNMA POOL FS3589 FN 01/50 FIXED 4.5%	687,116	677,427	663,460
FNMA POOL FS3642 FN 11/52 FIXED 5.0%	703,490	705,399	680,662
FNMA POOL FS3672 FN 02/53 FIXED 5.5%	632,287	637,089	627,536
FNMA POOL FS3806 FN 07/52 FIXED 2.5%	1,075,169	889,910	878,316
FNMA POOL FS3832 FN 01/53 FIXED 6.0%	730,843	740,048	735,792
FNMA POOL FS3884 FN 02/52 FIXED 3%	5,823,757	5,198,617	4,969,611
FNMA POOL FS4000 FN 07/41 FIXED 6.0%	152,489	159,495	158,151
FNMA POOL FS4110 FN 03/52 FIXED 2.5%	2,521,054	2,035,005	2,063,665
FNMA POOL FS4166 FN 04/53 FIXED 5.5%	435,123	437,729	431,822
FNMA POOL FS4190 FN 04/53 FIXED VAR	913,105	897,339	884,497
FNMA POOL FS4269 FN 10/51 FIXED 2.0%	88,224	71,867	69,758
FNMA POOL FS4314 FN 03/52 FIXED 2.0%	176,187	143,108	138,895
FNMA POOL FS4357 FN 04/53 FIXED 5.5%	1,485,841	1,502,149	1,474,569
FNMA POOL FS4377 FN 04/52 FIXED 3%	2,367,963	2,046,503	2,010,818
FNMA POOL FS4448 FN 12/44 FIXED 4.0%	165,917	158,979	155,467
FNMA POOL FS4454 FN 04/53 FIXED 6.0%	257,235	262,670	260,352
FNMA POOL FS4480 FN 03/50 FIXED 4.5%	163,044	159,924	156,606
FNMA POOL FS4481 FN 11/50 FIXED 2.5%	898,589	749,427	743,885
FNMA POOL FS4570 FN 12/47 FIXED 5.0%	388,375	392,926	386,241
FNMA POOL FS4613 FN 05/42 FIXED 2.0%	87,890	74,734	73,247
FNMA POOL FS4629 FN 05/53 FIXED 5.5%	1,133,822	1,144,023	1,125,221
FNMA POOL FS4641 FN 05/53 FIXED 6.0%	253,758	258,469	256,927
FNMA POOL FS4805 FN 05/53 FIXED 5.5%	269,013	269,758	265,970
FNMA POOL FS4874 FN 06/53 FIXED 5.5%	1,414,157	1,400,726	1,402,172
FNMA POOL FS4919 FN 05/53 FIXED 2.5%	3,025,241	2,516,147	2,475,710
FNMA POOL FS5059 FN 11/48 FIXED 3.5%	3,118,187	2,874,867	2,797,593
FNMA POOL FS5306 FN 07/53 FIXED 6.0%	422,572	435,749	431,220
FNMA POOL FS5537 FN 08/53 FIXED 6.5%	1,257,414	1,274,820	1,293,941
FNMA POOL FS5647 FN 07/53 FIXED 5.5%	270,012	273,273	269,197
FNMA POOL FS5673 FN 02/53 FIXED 4.0%	1,490,731	1,323,703	1,364,812
FNMA POOL FS5708 FN 06/53 FIXED 5.0%	263,663	261,408	256,330
FNMA POOL FS5846 FN 09/52 FIXED 2.5%	729,074	623,864	596,917
FNMA POOL FS5890 FN 10/53 FIXED VAR	549,929	556,480	555,822
FNMA POOL FS6471 FN 05/52 FIXED 3.0%	260,026	231,006	221,250
FNMA POOL FS6832 FN 11/53 FIXED 5%	876,591	857,299	846,113
FNMA POOL FS6838 FN 11/53 FIXED VAR	425,995	423,809	420,625
FNMA POOL FS6939 FN 08/48 FIXED 3.5%	578,782	549,106	525,916
FNMA POOL FS7252 FN 11/53 FIXED VAR	5,283,296	5,166,843	5,107,221
FNMA POOL FS7294 FN 05/44 FIXED VAR	447,360	457,378	451,371
FNMA POOL FS7754 FN 07/53 FIXED VAR	5,503,612	5,014,080	5,033,766
FNMA POOL FS7953 FN 06/52 FIXED 2.5%	1,240,789	1,030,721	1,011,267
FNMA POOL FS7997 FN 05/54 FIXED 6%	1,039,725	1,055,676	1,046,275
FNMA POOL FS8078 FN 02/52 FIXED 2%	4,638,384	3,855,793	3,611,567
FNMA POOL FS8303 FN 06/54 FIXED 6%	1,917,013	1,952,589	1,946,257
FNMA POOL FS8574 FN 08/54 FIXED 6.5%	2,337,822	2,426,248	2,402,516
FNMA POOL FS8824 FN 06/52 FIXED 3%	531,103	480,231	451,906
FNMA POOL FS9414 FN 03/54 FIXED 5%	1,828,517	1,798,627	1,771,233
FNMA POOL MA0634 FN 01/31 FIXED 4.5%	164,243	171,835	163,035
FNMA POOL MA0734 FN 05/31 FIXED 4.5%	915,946	955,767	908,148
FNMA POOL MA0776 FN 06/31 FIXED 4.5%	604,646	631,154	599,692
FNMA POOL MA0968 FN 12/31 FIXED 4.5%	15,399	15,340	15,279
FNMA POOL MA1213 FN 10/42 FIXED 3.5%	689,872	640,345	624,921
FNMA POOL MA1221 FN 09/42 FIXED 4.5%	17,384	17,051	16,697
FNMA POOL MA1363 FN 02/43 FIXED 3%	373,346	361,906	330,120
FNMA POOL MA1664 FN 11/43 FIXED 4.5%	165,446	162,282	158,910
FNMA POOL MA1723 FN 11/33 FIXED 4.5%	877,000	919,962	866,787
FNMA POOL MA1765 FN 01/34 FIXED 4.5%	2,201,744	2,308,653	2,175,551
FNMA POOL MA2495 FN 01/46 FIXED 3.5%	301,966	311,971	270,919
FNMA POOL MA2523 FN 02/36 FIXED 3%	261,476	243,889	241,662

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL MA2542 FN 02/46 FIXED 3%	169,026	169,578	146,912
FNMA POOL MA2773 FN 10/36 FIXED 3%	914,899	853,614	845,027
FNMA POOL MA3210 FN 12/47 FIXED 3.5%	985,495	907,523	883,369
FNMA POOL MA3237 FN 01/48 FIXED 3%	237,291	249,190	205,426
FNMA POOL MA3356 FN 05/48 FIXED 3.5%	236,701	220,395	212,355
FNMA POOL MA3448 FN 08/48 FIXED 5%	23,101	25,483	22,736
FNMA POOL MA3496 FN 10/48 FIXED 4.5%	70,036	74,805	66,708
FNMA POOL MA3537 FN 12/48 FIXED 4.5%	134,600	143,692	128,336
FNMA POOL MA3564 FN 01/49 FIXED 4.5%	432,645	464,687	411,526
FNMA POOL MA3907 FN 01/50 FIXED 4%	622,828	661,724	576,595
FNMA POOL MA3908 FN 01/50 FIXED 4.5%	4,042	4,318	3,841
FNMA POOL MA3991 FN 04/50 FIXED 3%	235,076	246,504	201,242
FNMA POOL MA4014 FN 05/35 FIXED 3%	179,253	187,548	167,673
FNMA POOL MA4097 FN 08/50 FIXED 3%	297,637	312,736	255,856
FNMA POOL MA4119 FN 09/50 FIXED 2%	576,523	527,443	451,577
FNMA POOL MA4121 FN 09/50 FIXED 3%	1,212,228	1,259,665	1,041,682
FNMA POOL MA4157 FN 10/50 FIXED 1.5%	717,352	610,502	530,742
FNMA POOL MA4158 FN 10/50 FIXED 2%	14,893,161	12,564,301	11,688,398
FNMA POOL MA4160 FN 10/50 FIXED 3%	1,085,143	1,130,445	929,340
FNMA POOL MA4177 FN 11/40 FIXED 2.5%	264,734	230,503	224,526
FNMA POOL MA4181 FN 11/50 FIXED 1.5%	599,173	510,273	443,029
FNMA POOL MA4182 FN 11/50 FIXED 2%	13,384,664	11,189,419	10,506,609
FNMA POOL MA4236 FN 01/51 FIXED 1.5%	694,397	532,216	513,128
FNMA POOL MA4237 FN 01/51 FIXED 2%	4,498,563	3,795,219	3,508,945
FNMA POOL MA4255 FN 02/51 FIXED 2%	166,978	152,606	130,916
FNMA POOL MA4256 FN 02/51 FIXED 2.5%	1,179,022	1,227,508	970,422
FNMA POOL MA4280 FN 03/51 FIXED 1.5%	28,323	23,679	20,952
FNMA POOL MA4281 FN 03/51 FIXED 2%	191,510	174,966	150,091
FNMA POOL MA4282 FN 03/51 FIXED 2.5%	853,585	886,554	699,019
FNMA POOL MA4306 FN 04/51 FIXED 2.5%	1,386,473	1,433,469	1,139,237
FNMA POOL MA4310 FN 04/41 FIXED 1.5%	221,077	182,716	177,639
FNMA POOL MA4325 FN 05/51 FIXED 2%	12,149,988	10,150,349	9,518,441
FNMA POOL MA4326 FN 05/51 FIXED 2.5%	1,738,987	1,791,354	1,428,511
FNMA POOL MA4327 FN 05/51 FIXED 3%	547,515	571,197	469,505
FNMA POOL MA4343 FN 05/51 FIXED 1.5%	46,742	39,076	34,641
FNMA POOL MA4354 FN 06/51 FIXED 1.5%	38,354	32,062	28,380
FNMA POOL MA4356 FN 06/51 FIXED 2.5%	7,569,768	6,565,786	6,215,582
FNMA POOL MA4357 FN 06/51 FIXED 3%	1,198,017	1,258,179	1,024,258
FNMA POOL MA4367 FN 06/31 FIXED 1.5%	364,958	333,559	336,534
FNMA POOL MA4379 FN 07/51 FIXED 2.5%	1,263,257	1,301,374	1,037,193
FNMA POOL MA4389 FN 07/31 FIXED 1.5%	674,624	616,440	621,521
FNMA POOL MA4399 FN 08/51 FIXED 2.5%	3,080,167	2,948,782	2,521,866
FNMA POOL MA4422 FN 09/41 FIXED 2%	1,194,866	1,014,904	994,685
FNMA POOL MA4437 FN 10/51 FIXED 2%	1,214,160	1,137,750	948,766
FNMA POOL MA4446 FN 10/41 FIXED 2%	376,594	319,682	313,326
FNMA POOL MA4464 FN 11/51 FIXED 1.5%	1,259,337	964,771	931,132
FNMA POOL MA4465 FN 11/51 FIXED 2%	4,706,039	4,156,157	3,679,446
FNMA POOL MA4492 FN 12/51 FIXED 2%	25,767,878	20,244,038	20,119,721
FNMA POOL MA4548 FN 02/52 FIXED 2.5%	2,155,920	1,835,128	1,758,966
FNMA POOL MA4563 FN 03/52 FIXED 2.5%	2,059,360	1,701,785	1,680,143
FNMA POOL MA4578 FN 04/52 FIXED 2.5	9,167,814	7,585,954	7,494,132
FNMA POOL MA4598 FN 05/52 FIXED 2.5%	530,275	459,871	432,670
FNMA POOL MA4600 FN 05/52 FIXED 3.5%	11,958,597	10,968,265	10,594,537
FNMA POOL MA4607 FN 05/42 FIXED 2.5	82,107	71,659	69,808
FNMA POOL MA4624 FN 06/52 FIXED 3%	1,233,970	1,063,763	1,048,470
FNMA POOL MA4643 FN 05/42 FIXED 3	988,198	889,705	867,449
FNMA POOL MA4653 FN 07/52 FIXED 3	4,681,287	4,046,536	3,978,913
FNMA POOL MA4654 FN 07/52 FIXED 3.5	13,502,112	12,315,189	11,962,003
FNMA POOL MA4656 FN 07/52 FIXED 4.5%	442,201	446,394	416,600
FNMA POOL MA4684 FN 06/52 FIXED 4.5%	261,526	245,943	246,307
FNMA POOL MA4697 FN 08/42 FIXED 4%	692,625	667,984	648,967

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FNMA POOL MA4700 FN 08/52 FIXED 4%	10,221,465	9,128,322	9,359,561
FNMA POOL MA4729 FN 09/42 FIXED 4%	46,971	45,299	44,010
FNMA POOL MA4779 FN 10/42 FIXED 4%	31,588	30,464	29,597
FNMA POOL MA4783 FN 10/52 FIXED 4	67,463,021	61,903,845	61,767,311
FNMA POOL MA4785 FN 10/52 FIXED 5%	1,417,845	1,414,865	1,372,386
FNMA POOL MA4841 FN 12/52 FIXED 5%	3,351,858	3,335,530	3,247,971
FNMA POOL MA4842 FN 12/52 FIXED 5.5%	2,391,160	2,419,850	2,365,386
FNMA POOL MA4864 FN 01/43 FIXED 4%	7,902	7,621	7,404
FNMA POOL MA4868 FN 01/53 FIXED 5%	2,791,570	2,726,294	2,701,850
FNMA POOL MA4894 FN 01/53 FIXED 6%	4,552,523	4,609,104	4,579,594
FNMA POOL MA4918 FN 02/53 FIXED 5%	2,820,011	2,771,001	2,728,939
FNMA POOL MA4919 FN 02/53 FIXED 5.5%	1,326,896	1,344,924	1,310,395
FNMA POOL MA4941 FN 03/53 FIXED 5.5%	1,541,137	1,557,074	1,520,959
FNMA POOL MA5009 FN 05/53 FIXED 5%	410,478	392,293	396,602
FNMA POOL MA5010 FN 05/53 FIXED 5.5%	1,714,360	1,728,816	1,694,690
FNMA POOL MA5038 FN 06/53 FIXED 5	3,809,776	3,709,572	3,682,120
FNMA POOL MA5040 FN 06/53 FIXED 6%	510,826	516,654	514,499
FNMA POOL MA5071 FN 07/53 FIXED 5%	2,841,487	2,729,753	2,745,409
FNMA POOL MA5073 FN 07/53 FIXED 6%	1,102,868	1,112,259	1,109,356
FNMA POOL MA5107 FN 08/53 FIXED 5.5%	1,920,531	1,918,917	1,896,098
FNMA POOL MA5108 FN 08/53 FIXED 6%	1,620,426	1,607,271	1,630,276
FNMA POOL MA5138 FN 09/53 FIXED 5.5%	2,350,789	2,318,514	2,321,448
FNMA POOL MA5215 FN 12/53 FIXED 5.5	712,439	694,972	703,354
FNMA POOL MA5216 FN 12/53 FIXED 6	996,955	1,006,423	1,002,608
FNMA POOL MA5217 FN 12/53 FIXED 6.5%	664,658	674,535	679,091
FNMA POOL MA5247 FN 01/54 FIXED 6	1,077,953	1,083,557	1,083,734
FNMA POOL MA5271 FN 02/54 FIXED 5.5	1,739,073	1,719,137	1,716,302
FNMA POOL MA5272 FN 02/54 FIXED 6	737,092	742,748	741,045
FNMA POOL MA5297 FN 03/54 FIXED 6.5	850,143	861,881	868,354
FNMA POOL MA5331 FN 04/54 FIXED 5.5	1,389,823	1,378,069	1,371,624
FNMA POOL MA5389 FN 06/54 FIXED 6	992,978	998,458	999,523
FNMA POOL MA5420 FN 07/54 FIXED 5.5	21,599,533	21,351,541	21,316,702
FNMA POOL MA5445 FN 08/54 FIXED 6%	334,887	340,951	337,098
FNMA POOL MA5530 FN 11/54 FIXED 5%	1,339,087	1,304,170	1,292,498
FNMA PRIN STRIPS NOTES 07/37	49,100,000	34,033,479	26,292,999
FNMA TBA 15 YR 1.5 SINGLE FAMILY MORTGAGE 01/40	7,928,000	6,915,167	6,793,434
FNMA TBA 15 YR 2 SINGLE FAMILY MORTGAGE 01/40	3,084,000	2,767,770	2,722,162
FNMA TBA 15 YR 2.5 SINGLE FAMILY MORTGAGE 01/40	6,171,000	5,688,861	5,599,392
FNMA TBA 15 YR 3 SINGLE FAMILY MORTGAGE 01/40	4,557,000	4,287,988	4,238,640
FNMA TBA 15 YR 3.5 SINGLE FAMILY MORTGAGE 01/40	3,875,000	3,714,522	3,661,456
FNMA TBA 15 YR 4 SINGLE FAMILY MORTGAGE 01/40	5,354,000	5,189,085	5,138,427
FNMA TBA 15 YR 4.5 SINGLE FAMILY MORTGAGE 01/40	1,430,000	1,416,370	1,398,375
FNMA TBA 30 YR 1.5 SINGLE FAMILY MORTGAGE 08/54	-	(16,750)	-
FNMA TBA 30 YR 2 SINGLE FAMILY MORTGAGE 01/55	(14,068,000)	(11,308,935)	(10,933,698)
FNMA TBA 30 YR 2 SINGLE FAMILY MORTGAGE 02/55	44,050,000	34,654,961	34,253,017
FNMA TBA 30 YR 2.5 SINGLE FAMILY MORTGAGE 01/55	39,325,000	32,359,233	32,000,806
FNMA TBA 30 YR 2.5 SINGLE FAMILY MORTGAGE 02/55	34,500,000	28,395,117	28,079,843
FNMA TBA 30 YR 3 SINGLE FAMILY MORTGAGE 01/55	42,772,000	37,547,118	36,275,411
FNMA TBA 30 YR 3 SINGLE FAMILY MORTGAGE 02/55	38,100,000	32,777,906	32,316,012
FNMA TBA 30 YR 3.5 SINGLE FAMILY MORTGAGE	-	(22,432)	-
FNMA TBA 30 YR 3.5 SINGLE FAMILY MORTGAGE 01/55	37,473,792	34,098,533	33,129,497
FNMA TBA 30 YR 3.5 SINGLE FAMILY MORTGAGE 02/55	10,000,000	8,797,656	8,839,149
FNMA TBA 30 YR 3.5%	-	(686,707)	-
FNMA TBA 30 YR 4 SINGLE FAMILY MORTGAGE 01/55	28,681,000	26,496,665	26,215,903
FNMA TBA 30 YR 4 SINGLE FAMILY MORTGAGE 02/55	4,800,000	4,362,563	4,386,696
FNMA TBA 30 YR 4%	-	(375,391)	-
FNMA TBA 30 YR 4.5 SINGLE FAMILY MORTGAGE 01/55	31,815,000	30,524,768	29,911,067
FNMA TBA 30 YR 4.5 SINGLE FAMILY MORTGAGE 03/55	24,910,000	23,399,831	23,401,774
FNMA TBA 30 YR 5 SINGLE FAMILY MORTGAGE 01/55	27,713,221	27,090,581	26,737,043
FNMA TBA 30 YR 5 SINGLE FAMILY MORTGAGE 02/55	9,600,000	9,488,250	9,257,347
FNMA TBA 30 YR 5.5 SINGLE FAMILY MORTGAGE 01/55	10,477,000	10,446,365	10,335,455

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities		Retirement Assets	
Issuer Name	Par Value	Book Value	Market Value
FNMA TBA 30 YR 5.5 SINGLE FAMILY MORTGAGE 02/55	(20,200,000)	(20,039,031)	(19,912,893)
FNMA TBA 30 YR 6 SINGLE FAMILY MORTGAGE 01/55	13,823,700	13,859,042	13,893,465
FNMA TBA 30 YR 6 SINGLE FAMILY MORTGAGE 02/55	47,200,000	47,498,813	47,397,644
FNMA TBA 30 YR 6 SINGLE FAMILY MORTGAGE 11/54	-	21,665	-
FNMA TBA 30 YR 6.5 SINGLE FAMILY MORTGAGE 01/55	28,781,700	29,548,532	29,396,565
FNMA TBA 30 YR 6.5 SINGLE FAMILY MORTGAGE 02/55	43,200,000	44,083,852	44,087,446
FOCUS FINANCIAL PARTNERS LLC 2024 DELAYED DRAW TERM LOAN due 09/15/31	11,903	11,903	12,002
FOCUS FINANCIAL PARTNERS LLC 2024 TERM LOAN B8 due 09/15/31	110,824	110,557	111,752
FOCUS FINANCIAL PARTNERS SR SECURED 144A 09/31 6.75%	1,863,000	1,864,295	1,855,597
FONTAINEBLEAU MIAMI BEACH TRUS FMBT 2024 FBLU A 144A	170,000	170,000	170,266
FOOD SERVICE PROJECT SL COMPANY GUAR REGS 01/27 5.5%	100,000	105,993	104,586
FORD AUTO SECURITIZATION TRUST FASTR 2023 BA A1 144A	157,656	115,584	109,910
FORD AUTO SECURITIZATION TRUST FASTR 2024 AA A1 144A	1,703,080	1,236,760	1,219,958
FORD AUTO SECURITIZATION TRUST FASTR 2024 AA A2 144A	900,000	658,756	637,287
FORD AUTO SECURITIZATION TRUST FASTR 2024 BA A1 144A	1,036,005	748,910	721,609
FORD CREDIT AUTO OWNER TRUST FORDO 2024 A A2A	10,853,654	10,853,375	10,888,250
FORD CREDIT AUTO OWNER TRUST FORDO 2024 B A3	3,063,000	3,062,975	3,098,568
FORD CREDIT AUTO OWNER TRUST FORDO 2024 D A2A	2,900,000	2,899,864	2,904,117
FORD CREDIT AUTO OWNER TRUST/F FORDR 2023 1 A 144A	713,000	712,183	715,754
FORD CREDIT AUTO OWNER TRUST/F FORDR 2024 1 A 144A	1,739,000	1,738,481	1,741,617
FORD CREDIT FLOORPLAN MASTER O FORDF 2023 1 A1 144A	1,838,000	1,837,990	1,844,316
FORD MOTOR COMPANY SR UNSECURED 01/43 4.75%	82,000	68,121	64,711
FORD MOTOR COMPANY SR UNSECURED 02/32 3.25%	125,000	125,000	103,971
FORD MOTOR COMPANY SR UNSECURED 08/32 6.1%	20,000	20,389	19,915
FORD MOTOR CREDIT CO LLC SR UNSECURED 01/26 4.389%	2,248,000	2,257,282	2,229,991
FORD MOTOR CREDIT CO LLC SR UNSECURED 02/28 2.9%	400,000	385,945	369,227
FORD MOTOR CREDIT CO LLC SR UNSECURED 02/29 2.9%	200,000	181,331	179,095
FORD MOTOR CREDIT CO LLC SR UNSECURED 03/29 5.8	975,000	976,560	975,697
FORD MOTOR CREDIT CO LLC SR UNSECURED 03/30 7.35%	925,000	951,052	979,835
FORD MOTOR CREDIT CO LLC SR UNSECURED 05/27 4.95%	1,780,000	1,749,218	1,763,594
FORD MOTOR CREDIT CO LLC SR UNSECURED 05/27 5.85	723,000	722,307	730,572
FORD MOTOR CREDIT CO LLC SR UNSECURED 05/28 6.8	4,325,000	4,316,110	4,469,483
FORD MOTOR CREDIT CO LLC SR UNSECURED 06/25 5.125%	4,193,000	4,229,424	4,190,425
FORD MOTOR CREDIT CO LLC SR UNSECURED 06/26 6.86%	287,000	345,216	365,272
FORD MOTOR CREDIT CO LLC SR UNSECURED 06/26 6.95%	292,000	292,000	298,585
FORD MOTOR CREDIT CO LLC SR UNSECURED 06/30 7.2%	1,975,000	2,058,987	2,080,650
FORD MOTOR CREDIT CO LLC SR UNSECURED 08/25 4.134%	1,119,000	1,120,654	1,112,073
FORD MOTOR CREDIT CO LLC SR UNSECURED 08/26 2.7%	5,175,000	5,160,215	4,969,652
FORD MOTOR CREDIT CO LLC SR UNSECURED 08/26 4.542%	1,400,000	1,389,561	1,383,708
FORD MOTOR CREDIT CO LLC SR UNSECURED 08/27 4.125%	2,140,000	2,139,840	2,068,940
FORD MOTOR CREDIT CO LLC SR UNSECURED 11/27 3.815%	920,000	886,122	881,259
FORD MOTOR CREDIT CO LLC SR UNSECURED 11/28 6.798%	202,000	202,000	209,406
FORD MOTOR CREDIT CO LLC SR UNSECURED 11/30 4%	1,605,000	1,431,094	1,446,044
FORESTAR GROUP INC COMPANY GUAR 144A 05/26 3.85%	300,000	297,960	291,895
FORTREA HOLDINGS INC SR SECURED 144A 07/30 7.5%	700,000	703,435	701,161
FORTREA HOLDINGS INC. TERM LOAN B due 06/30/30	93,062	91,962	93,760
FORTRESS INTERMEDIATE 3 INC TERM LOAN B due 06/27/31	2,319,188	2,308,412	2,323,548
FORTRESS INTERMEDIATE SR SECURED 144A 06/31 7.5	875,000	887,169	892,212
FORTRESS TRANS + INFRAST COMPANY GUAR 144A 04/33 5.875%	1,500,000	1,492,668	1,447,517
FORTRESS TRANS + INFRAST COMPANY GUAR 144A 05/28 5.5%	1,950,000	1,933,572	1,907,122
FORTRESS TRANS + INFRAST COMPANY GUAR 144A 05/31 7	1,315,000	1,316,150	1,341,300
FORTRESS TRANS + INFRAST COMPANY GUAR 144A 06/32 7	2,799,000	2,802,355	2,854,169
FORTRESS TRANS + INFRAST COMPANY GUAR 144A 12/30 7.875%	1,010,000	1,020,148	1,063,042
FORVIA SE SR UNSECURED REGS 02/27 2.75%	100,000	115,845	99,561
FORVIA SE SR UNSECURED REGS 06/28 3.75%	100,000	101,128	100,605
FORVIA SE SR UNSECURED REGS 06/31 5.5	300,000	328,296	309,521
FOUNDATION BUILDING M COMPANY GUAR 144A 03/29 6%	100,000	94,580	87,632
FOUNDATION FINANCE TRUST FFIN 2024 1A A 144A	792,876	792,789	794,382
FOUNDATION FINANCE TRUST FFIN 2024 2A A 144A	2,205,491	2,205,121	2,171,754
FOUNDRY JV HOLDCO LLC SR SECURED 144A 01/30 5.9	920,000	939,042	932,718
FOUNDRY JV HOLDCO LLC SR SECURED 144A 01/34 5.875%	600,000	598,771	587,111

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FOUNDRY JV HOLDCO LLC SR SECURED 144A 01/35 6.25	10,095,000	10,244,026	10,164,183
FOX CORP SR UNSECURED 01/29 4.709%	3,850,000	3,834,290	3,805,323
FOX CORP SR UNSECURED 01/39 5.476	190,000	186,975	180,559
FOX CORP SR UNSECURED 10/33 6.5%	370,000	399,957	390,006
FRANCISCAN HEALTH SYS SECURED 07/49 3.914%	250,000	217,281	190,330
FRANKLIN RESOURCES INC SR UNSECURED 03/25 2.85	8,960,000	8,903,321	8,915,277
FREDDIE MAC SCRT SCRT 2017 4 M45T	2,922,155	3,108,234	2,786,269
FREDDIE MAC SCRT SCRT 2018 2 MA	198,126	187,458	189,608
FREDDIE MAC STACR STACR 2021 DNA5 M2 144A	1,288,701	1,288,701	1,297,407
FREDDIE MAC STACR STACR 2021 DNA7 M2 144A	1,134,000	1,088,970	1,144,623
FREDDIE MAC STACR STACR 2021 HQA3 M2 144A	1,720,000	1,734,693	1,731,773
FREDDIE MAC STACR STACR 2022 DNA1 M1B 144A	4,002,000	3,964,022	4,058,884
FREDDIE MAC STACR STACR 2022 DNA2 M1B 144A	4,303,000	4,294,494	4,404,515
FREDDIE MAC STACR STACR 2022 DNA3 M1B 144A	2,651,000	2,633,780	2,745,435
FREDDIE MAC STACR STACR 2022 DNA4 M1A 144A	347,845	352,871	353,371
FREDDIE MAC STACR STACR 2022 DNA4 M1B 144A	1,915,000	1,945,918	2,003,320
FREDDIE MAC STACR STACR 2022 DNA6 M1A 144A	1,140,760	1,140,760	1,151,567
FREDDIE MAC STACR STACR 2022 HQA1 M1B 144A	3,841,000	3,983,945	4,015,654
FREDDIE MAC STACR STACR 2024 DNA1 M2 144A	960,000	971,932	972,131
FREDDIE MAC STACR STACR 2024 DNA2 M1 144A	2,647,599	2,647,599	2,656,309
FREDDIE MAC STACR STACR 2024 HQA1 M1 144A	1,455,473	1,455,473	1,456,902
FREDDIE MAC STACR STACR 2024 HQA1 M2 144A	825,000	825,000	837,169
FREDDIE MAC FHR 2567 MG	9,163	9,528	8,811
FREDDIE MAC FHR 2731 ZA	93,271	97,352	91,974
FREDDIE MAC FHR 2755 ZA	248,435	261,601	249,494
FREDDIE MAC FHR 2916 MY	649,639	712,874	664,265
FREDDIE MAC FHR 3045 LZ	68,729	72,960	66,189
FREDDIE MAC FHR 3065 TZ	28,893	30,637	28,316
FREDDIE MAC FHR 3202 ZL	97,224	103,527	95,251
FREDDIE MAC FHR 3259 ZL	60,286	63,981	58,626
FREDDIE MAC FHR 3284 AZ	7,458	7,770	7,210
FREDDIE MAC FHR 3621 SB	124,918	9,700	9,153
FREDDIE MAC FHR 4099 ST	178,490	15,662	14,105
FREDDIE MAC FHR 4102 CB	771,543	637,686	661,886
FREDDIE MAC FHR 4118 PB	301,000	280,372	245,043
FREDDIE MAC FHR 4122 IO	2,707,163	491,180	503,278
FREDDIE MAC FHR 4139 PB	425,000	366,818	360,117
FREDDIE MAC FHR 4146 DI	89,270	3,160	3,087
FREDDIE MAC FHR 4147 CI	245,199	(33,718)	4,021
FREDDIE MAC FHR 4159 KF	211,363	211,309	206,437
FREDDIE MAC FHR 4194 BI	448,551	69,543	69,949
FREDDIE MAC FHR 4203 PS	598,048	44,058	40,986
FREDDIE MAC FHR 4204 JC	108,488	98,782	93,829
FREDDIE MAC FHR 4246 PT	67,381	75,795	69,104
FREDDIE MAC FHR 4280 AY	545,781	536,105	533,442
FREDDIE MAC FHR 4283 EW	3,095,148	3,388,803	2,988,764
FREDDIE MAC FHR 4310 SA	307,799	31,627	29,035
FREDDIE MAC FHR 4316 XZ	1,155,191	1,327,142	1,116,687
FREDDIE MAC FHR 4319 MA	457,014	506,958	443,671
FREDDIE MAC FHR 4335 SW	172,784	17,461	15,713
FREDDIE MAC FHR 4352 ZX	980,684	1,085,471	930,136
FREDDIE MAC FHR 4391 MZ	679,750	603,246	590,978
FREDDIE MAC FHR 4413 AZ	1,284,047	1,091,756	1,130,571
FREDDIE MAC FHR 4440 ZD	5,840,428	5,228,148	5,072,461
FREDDIE MAC FHR 4793 CB	133,161	118,263	116,590
FREDDIE MAC FHR 4813 CJ	58,444	50,638	49,682
FREDDIE MAC FHR 4903 SA	4,447,075	774,728	442,642
FREDDIE MAC FHR 4980 KI	1,620,214	363,953	366,577
FREDDIE MAC FHR 4988 AK	651,067	521,923	499,234
FREDDIE MAC FHR 4991 QV	271,772	222,206	218,228
FREDDIE MAC FHR 4994 IB	2,712,282	342,339	304,221

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FREDDIE MAC FHR 5002 TJ	642,965	547,764	525,943
FREDDIE MAC FHR 5010 IK	306,830	45,635	45,320
FREDDIE MAC FHR 5010 JI	664,309	110,240	108,998
FREDDIE MAC FHR 5013 ID	4,236,111	629,510	563,361
FREDDIE MAC FHR 5013 IN	379,298	61,621	62,493
FREDDIE MAC FHR 5018 MI	463,505	61,991	61,317
FREDDIE MAC FHR 5071 IH	227,367	31,095	30,692
FREDDIE MAC FHR 5085 NI	4,557,448	569,562	556,392
FREDDIE MAC FHR 5092 AP	362,534	312,779	309,049
FREDDIE MAC FHR 5093 IY	891,578	189,226	207,656
FREDDIE MAC FHR 5109 ID	284,782	44,011	41,525
FREDDIE MAC FHR 5115 IO	456,085	100,817	104,177
FREDDIE MAC FHR 5118 NI	1,448,162	192,107	188,166
FREDDIE MAC FHR 5140 NI	829,033	120,901	120,723
FREDDIE MAC FHR 5159 IP	674,214	98,049	100,012
FREDDIE MAC FHR 5161 IO	762,020	106,370	104,566
FREDDIE MAC FHR 5175 CA	3,731,810	3,265,345	3,153,687
FREDDIE MAC FHR 5200 KQ	140,640	127,601	126,302
FREDDIE MAC FHR 5202 IN	673,672	91,119	92,285
FREDDIE MAC FHR 5224 HL	200,000	181,375	176,078
FREDDIE MAC FHR 5234 S	4,607,266	270,419	247,006
FREDDIE MAC FHR 5274 IO	1,231,013	206,542	204,167
FREDDIE MAC FHR 5287 NI	6,506,972	1,261,249	1,371,146
FREDDIE MAC FHR 5293 IO	3,526,252	443,515	445,376
FREDDIE MAC FHR 5293 KI	1,806,236	238,243	232,825
FREDDIE MAC FHR 5319 PO	1,070,174	759,731	709,868
FREDDIE MAC FHR 5330 FA	1,356,696	1,357,959	1,354,047
FREDDIE MAC FHR 5341 AO	261,066	186,801	180,287
FREDDIE MAC FHR 5345 SE	7,601,832	720,268	725,825
FREDDIE MAC FHR 5377 IO	826,443	101,435	104,309
FREDDIE MAC FHR 5386 FD	330,739	331,505	332,668
FREDDIE MAC FHR 5389 IC	459,283	100,462	99,391
FREDDIE MAC FHR 5424 FA	757,484	757,952	760,539
FREDDIE MAC FHR 5425 FK	612,420	612,231	614,779
FREDDIE MAC FHR 5458 DF	2,726,787	2,725,091	2,708,271
FREDDIE MAC FHR 5467 FC	4,180,631	4,180,631	4,145,476
FREDDIE MAC FHR 5471 SY	8,604,966	504,669	538,769
FREDDIE MAC FHR 5480 FA	4,342,141	4,341,464	4,377,399
FREDDIE MAC FHR 5482 CF	918,197	918,341	921,914
FREDDIE MAC FHR 5483 FD	415,224	417,109	416,000
FREDDIE MAC MULTICLASS CERTIFI FHMR 2021 P009 X	8,153,422	394,239	266,242
FREDDIE MAC NOTES 07/25 0.375%	4,450,000	4,352,144	4,353,910
FREDDIE MAC NOTES 08/31 1.5%	11,080,000	9,745,165	9,051,851
FREDDIE MAC NOTES 08/35 1.46%	655,000	482,917	464,594
FREDDIE MAC NOTES 09/36 1.72%	1,305,000	958,773	923,890
FREDDIE MAC REFERENCE REMIC FHRR R007 ZA	191,357	197,821	195,954
FREDDIE MAC REFERENCE REMIC FHRR R008 ZA	556,705	595,738	577,522
FREDDIE MAC STRIP 07/32	1,000,000	887,663	699,221
FREDDIEMAC STRIP FHS 212 IO	10,920	1,639	1,438
FREDDIEMAC STRIP FHS 215 IO	8,530	1,717	1,279
FREDDIEMAC STRIP FHS 283 IO	473,698	14,196	13,780
FREDDIEMAC STRIP FHS 299 F1	982,631	984,447	967,999
FREDDIEMAC STRIP FHS 304 C69	436,322	176,521	84,520
FREDDIEMAC STRIP FHS 312 S1	1,097,938	232,485	100,725
FREDDIEMAC STRIP FHS 324 C26	3,274,974	516,204	678,808
FREDDIEMAC STRIP FHS 389 C35	3,563,430	462,768	450,935
FREDDIEMAC STRIP FHS 413 F26	814,803	815,021	818,092
FREEDOM MORTGAGE CORP SR UNSECURED 144A 01/27 6.625%	2,244,000	2,193,900	2,244,379
FREEDOM MORTGAGE CORP SR UNSECURED 144A 05/26 7.625	2,000	2,002	2,005
FREEDOM MORTGAGE CORP SR UNSECURED 144A 10/28 12%	963,000	1,013,098	1,047,302
FREEDOM MORTGAGE CORP SR UNSECURED 144A 10/30 12.25%	383,000	396,906	423,568

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
FREEDOM MORTGAGE HOLD SR UNSECURED 144A 02/29 9.25	1,170,000	1,182,658	1,207,372
FREEDOM MORTGAGE HOLD SR UNSECURED 144A 05/31 9.125	1,800,000	1,829,192	1,855,927
FREEPORT INDONESIA PT SR UNSECURED 144A 04/32 5.315%	200,000	200,000	194,760
FREEPORT INDONESIA PT SR UNSECURED REGS 04/27 4.763%	279,000	271,539	275,181
FREEPORT LNG INVESTMENTS, LLLP TERM LOAN B due 12/21/28	247,436	247,686	248,324
FREEPORT MCMORAN INC COMPANY GUAR 03/43 5.45%	1,310,000	1,269,483	1,236,522
FREEPORT MCMORAN INC COMPANY GUAR 08/30 4.625%	655,000	667,867	634,885
FREMF MORTGAGE TRUST FREMF 2020 K737 B 144A	850,000	859,457	820,862
FRESB MULTIFAMILY MORTGAGE PAS FRESB 2019 SB60 A10H	326,713	327,754	311,451
FRESB MULTIFAMILY MORTGAGE PAS FRESB 2024 SB115 A10F	109,962	110,472	104,638
FRESSNAPF HOLDING SE COMPANY GUAR REGS 10/31 5.25%	133,000	143,308	141,853
FRONTIER COMMUNICATIONS CORP 2024 TERM LOAN B due 07/01/31	1,432,997	1,432,955	1,448,517
FRONTIER COMMUNICATIONS SECURED 11/29 5.875%	250,000	249,611	248,612
FRONTIER COMMUNICATIONS SECURED 144A 01/30 6%	3,035,000	2,895,237	3,028,224
FRONTIER COMMUNICATIONS SECURED 144A 05/29 6.75%	555,000	561,297	557,784
FRONTIER COMMUNICATIONS SR SECURED 144A 03/31 8.625%	535,000	545,457	569,000
FRONTIER COMMUNICATIONS SR SECURED 144A 05/28 5%	2,292,000	2,208,177	2,241,395
FRONTIER COMMUNICATIONS SR SECURED 144A 05/30 8.75%	1,117,000	1,142,120	1,180,545
FRONTIER COMMUNICATIONS SR SECURED 144A 10/27 5.875%	1,503,000	1,466,259	1,498,235
FRONTIER ISSUER LLC FYBR 2023 1 A2 144A	2,170,000	2,112,860	2,204,218
FRONTIER ISSUER LLC FYBR 2024 1 B 144A	569,000	589,491	588,626
FRST STU BID/FRST TRANS SR SECURED 144A 07/29 4%	410,000	394,605	376,319
FULL HOUSE RESORTS INC SR SECURED 144A 02/28 8.25%	450,000	450,000	446,359
FWD GROUP HOLDINGS LTD SUBORDINATED REGS 04/29 8.4	300,000	300,000	316,283
GACI FIRST INVESTMENT COMPANY GUAR REGS 10/22 5.375%	310,000	291,036	257,421
GACI FIRST INVESTMENT COMPANY GUAR REGS 10/27 5%	370,000	373,174	368,509
GACI FIRST INVESTMENT COMPANY GUAR REGS 10/32 5.25%	3,733,000	3,837,934	3,688,727
GAINWELL ACQUISITION CORP. TERM LOAN B due 10/01/27	1,109,820	1,103,898	1,072,519
GALAXY CLO LTD GALXY 2015 20A AR 144A	288,227	288,766	288,297
GALAXY CLO LTD GALXY 2018 27A A 144A	908,316	908,482	910,158
GALAXY PIPELINE ASSETS SR SECURED 144A 09/40 2.94%	2,802,690	2,281,087	2,213,358
GALAXY PIPELINE ASSETS SR SECURED REGS 09/40 2.94%	1,349,610	1,334,855	1,065,823
GAP INC/THE COMPANY GUAR 144A 10/29 3.625%	125,000	125,000	112,213
GAP INC/THE COMPANY GUAR 144A 10/31 3.875%	375,000	350,743	324,268
GARDA WORLD SECURITY CORP 2024 TERM LOAN B due 02/01/29	197,272	198,115	197,643
GARDA WORLD SECURITY SR SECURED 144A 02/28 7.75	100,000	101,428	103,177
GARDA WORLD SECURITY SR UNSECURED 144A 08/32 8.25%	1,591,000	1,592,713	1,616,812
GARDA WORLD SECURITY SR UNSECURED 144A 11/32 8.375%	1,422,000	1,422,000	1,447,376
GARFUNKELUX HOLDCO 3 SA SR SECURED REGS 11/25 6.75%	100,000	112,401	68,246
GARRETT MOTION HLD/SARL COMPANY GUAR 144A 05/32 7.75	3,834,000	3,850,093	3,889,728
GARTNER INC COMPANY GUAR 144A 07/28 4.5	2,290,000	2,210,498	2,232,698
GARTNER INC COMPANY GUAR 144A 10/30 3.75	1,601,000	1,461,368	1,462,580
GATES CORPORATION/DE COMPANY GUAR 144A 07/29 6.875	1,309,000	1,311,291	1,331,393
GATWICK AIRPORT FINANCE SR SECURED REGS 04/26 4.375%	159,000	203,660	195,846
GBT US III LLC TERM LOAN B due 07/25/31	1,000,000	997,650	1,003,750
GCAT GCAT 2021 NQM5 A1 144A	1,730,531	1,730,404	1,421,535
GCAT GCAT 2021 NQM6 A1 144A	2,029,434	1,804,271	1,808,315
GCAT GCAT 2021 NQM7 A1 144A	741,385	741,354	676,034
GCAT GCAT 2022 NQM1 A1 144A	110,045	96,791	102,944
GCAT GCAT 2022 NQM2 A3 144A	2,366,649	2,306,909	2,195,506
GCI LLC SR UNSECURED 144A 10/28 4.75%	1,822,000	1,839,040	1,701,619
GE HEALTHCARE TECH INC COMPANY GUAR 11/27 5.65%	5,337,000	5,418,770	5,466,654
GE HEALTHCARE TECH INC SR UNSECURED 11/32 5.905%	2,175,000	2,175,000	2,263,233
GE HEALTHCARE TECH INC SR UNSECURED 11/52 6.377%	610,000	610,000	656,414
GEN DIGITAL INC COMPANY GUAR 144A 09/27 6.75%	202,000	204,776	205,040
GEN DIGITAL INC COMPANY GUAR 144A 09/30 7.125%	53,000	53,014	54,347
GEN II FUND SERVICES LLC 2024 TERM LOAN B due 11/26/31	45,000	44,889	45,169
GENERAL DYNAMICS CORP COMPANY GUAR 04/40 4.25%	420,000	381,089	366,922
GENERAL DYNAMICS CORP COMPANY GUAR 04/50 4.25%	180,000	155,430	148,840
GENERAL ELECTRIC CO SR UNSECURED REGS 09/35 4.125%	564,000	630,940	616,841
GENERAL MILLS INC SR UNSECURED 01/27 4.7	760,000	764,889	759,729

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GENERAL MILLS INC SR UNSECURED 04/28 4.2%	700,000	684,924	685,426
GENERAL MOTORS CO SR UNSECURED 04/36 6.6%	30,000	32,427	31,499
GENERAL MOTORS CO SR UNSECURED 04/38 5.15%	130,000	123,635	119,737
GENERAL MOTORS CO SR UNSECURED 10/25 6.125%	350,000	350,249	352,697
GENERAL MOTORS CO SR UNSECURED 10/27 6.8%	3,160,000	3,262,169	3,299,915
GENERAL MOTORS CO SR UNSECURED 10/32 5.6%	140,000	144,072	141,278
GENERAL MOTORS CO SR UNSECURED 10/43 6.25%	80,000	82,332	79,367
GENERAL MOTORS FINL CO COMPANY GUAR 01/27 4.35%	150,000	148,626	148,264
GENERAL MOTORS FINL CO COMPANY GUAR 06/31 5.6	17,000	17,153	17,082
GENERAL MOTORS FINL CO SR UNSECURED 01/31 2.35%	875,000	875,000	731,972
GENERAL MOTORS FINL CO SR UNSECURED 04/25 3.8%	800,000	799,985	797,478
GENERAL MOTORS FINL CO SR UNSECURED 04/30 5.85%	580,000	598,645	592,614
GENERAL MOTORS FINL CO SR UNSECURED 04/34 5.95	501,000	512,309	503,520
GENERAL MOTORS FINL CO SR UNSECURED 06/26 1.5%	675,000	674,637	643,291
GENERAL MOTORS FINL CO SR UNSECURED 07/27 5.35	618,000	617,949	624,084
GENERAL MOTORS FINL CO SR UNSECURED 07/29 5.55	463,000	462,855	468,052
GENERAL MOTORS FINL CO SR UNSECURED 09/34 5.45%	949,000	934,938	921,325
GENERATE CLO LTD. GNRT 2024 20A A 144A	3,850,000	3,850,000	3,850,000
GENESEE + WYOMING INC NEW 2024 TERM LOAN B due 04/10/31	1,672,813	1,669,839	1,667,878
GENESEE + WYOMING INC SR SECURED 144A 04/32 6.25	462,000	462,000	464,781
GENESIS ENERGY LP/FIN COMPANY GUAR 01/27 8%	323,000	318,023	328,620
GENESIS ENERGY LP/FIN COMPANY GUAR 01/29 8.25%	50,000	50,048	50,489
GENESIS ENERGY LP/FIN COMPANY GUAR 02/28 7.75%	260,000	259,087	260,317
GENESIS ENERGY LP/FIN COMPANY GUAR 05/32 7.875	488,000	488,000	477,915
GENESIS ENERGY LP/FIN COMPANY GUAR 05/33 8%	604,000	604,000	591,094
GENESYS CLOUD SER HOLD II LLC 2024 USD TERM LOAN B due 12/01/27	774,843	774,843	780,654
GENUINE FINANCIAL HOLDINGS LLC 2024 INCREMENTAL TERM LOAN due 09/27/30	495,429	492,221	500,383
GEORGIA POWER CO SR UNSECURED 03/34 5.25	1,797,000	1,830,813	1,784,592
GEORGIA POWER CO SR UNSECURED 05/32 4.7	174,000	173,264	169,355
GEORGIA POWER CO SR UNSECURED 05/33 4.95%	822,000	823,253	805,252
GEOSYNTEC CONSULTANTS 2024 TERM LOAN due 07/31/31	751,575	747,995	756,272
GFL ENVIRONMENTAL INC COMPANY GUAR 144A 08/28 4%	624,000	614,585	590,872
GFL ENVIRONMENTAL INC COMPANY GUAR 144A 08/29 4.375%	292,000	275,832	276,021
GFL ENVIRONMENTAL INC SR SECURED 144A 01/31 6.75%	2,631,000	2,635,937	2,701,564
GFL ENVIRONMENTAL INC SR SECURED 144A 08/25 3.75%	476,000	476,000	471,289
GFL ENVIRONMENTAL INC SR SECURED 144A 12/26 5.125	2,000	1,972	1,989
GGAM FINANCE LTD COMPANY GUAR 144A 02/27 8%	1,206,000	1,231,174	1,243,936
GGAM FINANCE LTD COMPANY GUAR 144A 04/29 6.875	509,000	514,425	515,586
GGAM FINANCE LTD SR UNSECURED 144A 03/30 5.875%	482,000	479,756	472,799
GILEAD SCIENCES INC SR UNSECURED 03/26 3.65	6,718,000	6,589,665	6,637,364
GILEAD SCIENCES INC SR UNSECURED 03/46 4.75%	74,000	68,874	65,263
GILEAD SCIENCES INC SR UNSECURED 10/30 1.65%	763,000	642,396	638,624
GILEAD SCIENCES INC SR UNSECURED 10/40 2.6%	785,000	567,425	544,700
GILEAD SCIENCES INC SR UNSECURED 10/50 2.8%	325,000	271,451	200,105
GILEAD SCIENCES INC SR UNSECURED 10/53 5.55%	375,000	391,481	369,461
GILEAD SCIENCES INC SR UNSECURED 11/54 5.5%	1,500,000	1,558,546	1,461,728
GIP II BLUE HOLDING L P TERM LOAN B due 09/29/28	413,411	410,098	415,565
GIP PILOT ACQUISITION PRTRNS 2024 TERM LOAN B due 10/04/30	346,026	347,177	347,756
GLENORE CAP FIN DAC COMPANY GUAR REGS 04/31 4.154%	700,000	779,709	749,705
GLENORE FUNDING LLC COMPANY GUAR 144A 03/27 4%	2,633,000	2,589,848	2,581,418
GLENORE FUNDING LLC COMPANY GUAR 144A 04/26 1.625%	675,000	674,807	647,256
GLENORE FUNDING LLC COMPANY GUAR 144A 04/27 5.338	955,000	956,679	963,344
GLENORE FUNDING LLC COMPANY GUAR 144A 04/29 5.371	2,040,000	2,035,273	2,056,795
GLENORE FUNDING LLC COMPANY GUAR 144A 05/28 5.4%	1,108,000	1,103,663	1,119,331
GLENORE FUNDING LLC COMPANY GUAR 144A 09/31 2.625%	1,350,000	1,347,852	1,139,316
GLENORE FUNDING LLC COMPANY GUAR 144A 10/27 3.875%	95,000	91,918	92,300
GLOBAL AIR LEASE CO LTD SR SECURED 144A 09/27 8.75%	135,000	139,427	137,685
GLOBAL ATLANTIC COMPANY GUAR 144A 10/51 VAR	100,000	96,081	96,577
GLOBAL INFRASTRUCTURE SO COMPANY GUAR 144A 06/29 5.625%	85,000	74,791	81,770
GLOBAL MARINE INC COMPANY GUAR 06/28 7%	500,000	442,035	468,125
GLOBAL PART/GLP FINANCE COMPANY GUAR 01/29 6.875%	843,000	857,279	836,546

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GLOBAL PART/GLP FINANCE COMPANY GUAR 08/27 7%	1,568,000	1,578,796	1,573,475
GLOBAL PART/GLP FINANCE COMPANY GUAR 144A 01/32 8.25	845,000	845,000	868,773
GLOBAL PAYMENTS INC SR UNSECURED 01/27 2.15	581,000	554,714	550,657
GLOBAL PAYMENTS INC SR UNSECURED 02/25 2.65%	925,000	924,995	922,106
GLOBAL PAYMENTS INC SR UNSECURED 05/30 2.9%	900,000	852,254	801,300
GLOBAL PAYMENTS INC SR UNSECURED 06/28 4.45%	90,000	88,953	87,969
GLOBAL PAYMENTS INC SR UNSECURED 08/29 5.3%	86,000	85,335	86,156
GLOBAL SWITCH FINANCE COMPANY GUAR REGS 10/30 1.375	200,000	199,726	194,466
GLP CAPITAL LP / FIN II COMPANY GUAR 01/29 5.3%	1,596,000	1,597,935	1,584,360
GLP CAPITAL LP / FIN II COMPANY GUAR 01/30 4%	904,000	848,886	841,968
GLP CAPITAL LP / FIN II COMPANY GUAR 01/31 4%	156,000	140,004	142,804
GLP CAPITAL LP / FIN II COMPANY GUAR 01/32 3.25%	3,053,000	2,654,090	2,614,831
GLP CAPITAL LP / FIN II COMPANY GUAR 06/25 5.25%	1,770,000	1,783,479	1,769,593
GLP CAPITAL LP / FIN II COMPANY GUAR 09/54 6.25%	847,000	848,844	849,452
GLS AUTO RECEIVABLES TRUST GCAR 2024 1A B 144A	1,000,000	999,911	1,006,194
GLS AUTO RECEIVABLES TRUST GCAR 2024 3A A2 144A	490,517	490,490	492,082
GLS AUTO SELECT RECEIVABLES TR GSAR 2023 2A B 144A	1,400,000	1,399,808	1,445,463
GLS AUTO SELECT RECEIVABLES TR GSAR 2024 2A A2 144A	2,112,368	2,112,163	2,136,112
GLS AUTO SELECT RECEIVABLES TR GSAR 2024 4A A2 144A	2,500,000	2,499,921	2,489,119
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2024 3 A2A	5,038,000	5,037,792	5,032,820
GM FINANCIAL REVOLVING RECEIVA GMREV 2023 2 A 144A	212,000	211,966	219,661
GM FINANCIAL SECURITIZED TERM GMCAR 2024 2 A2A	8,399,588	8,399,165	8,428,018
GM FINANCIAL SECURITIZED TERM GMCAR 2024 3 A2A	900,000	899,998	904,265
GM FINANCIAL SECURITIZED TERM GMCAR 2024 4 A2A	3,550,000	3,549,862	3,552,604
GMAC MORTGAGE CORPORATION LOAN GMACM 2005 HE3 A2	216	144	206
GMF CANADA LEASING TRUST GCOLT 2024 1A A1 144A	148,841	108,142	103,746
GN BONDSCO LLC SR SECURED 144A 10/31 9.5%	1,450,000	1,422,938	1,526,835
GNL QUINTERO SA SR UNSECURED REGS 07/29 4.634%	117,680	122,810	115,826
GNMA GNR 1999 27 SE	14,814	527	25
GNMA GNR 2008 50 PN	262,325	269,479	265,086
GNMA II POOL 003890 G2 08/36 FIXED 6%	3,674	3,843	3,819
GNMA II POOL 004040 G2 10/37 FIXED 6.5%	110,263	118,683	117,230
GNMA II POOL 004223 G2 08/38 FIXED 6.5%	42,953	47,219	45,536
GNMA II POOL 004245 G2 09/38 FIXED 6%	367,711	390,443	385,377
GNMA II POOL 004268 G2 10/38 FIXED 6%	55,765	58,318	57,965
GNMA II POOL 004292 G2 11/38 FIXED 6.5%	25,407	27,914	26,335
GNMA II POOL 004371 G2 02/39 FIXED 6%	9,092	9,508	9,450
GNMA II POOL 004559 G2 10/39 FIXED 5%	112,319	122,043	111,747
GNMA II POOL 004598 G2 12/39 FIXED 4.5%	10,664	11,452	10,361
GNMA II POOL 004602 G2 12/39 FIXED 6%	46,103	48,215	47,921
GNMA II POOL 004617 G2 01/40 FIXED 4.5%	91,593	91,848	88,979
GNMA II POOL 004636 G2 02/40 FIXED 4.5%	10,641	11,428	10,337
GNMA II POOL 004696 G2 05/40 FIXED 4.5%	96,408	95,589	93,627
GNMA II POOL 004717 G2 06/40 FIXED 6%	38,203	39,953	39,709
GNMA II POOL 004771 G2 08/40 FIXED 4.5%	23,415	25,178	22,730
GNMA II POOL 004800 G2 09/40 FIXED 4%	10,542	11,143	9,987
GNMA II POOL 004801 G2 09/40 FIXED 4.5%	4,513	4,467	4,378
GNMA II POOL 004833 G2 10/40 FIXED 4%	20,716	21,896	19,625
GNMA II POOL 004922 G2 01/41 FIXED 4%	106,472	112,433	100,865
GNMA II POOL 004923 G2 01/41 FIXED 4.5%	16,530	16,371	16,046
GNMA II POOL 004945 G2 02/41 FIXED 4%	6,442	6,791	6,102
GNMA II POOL 004978 G2 03/41 FIXED 4.5%	747,237	740,048	725,369
GNMA II POOL 004991 G2 03/41 FIXED 6%	68,975	72,135	71,693
GNMA II POOL 005018 G2 04/41 FIXED 5%	14,102	15,264	13,975
GNMA II POOL 005019 G2 04/41 FIXED 6%	2,178	2,278	2,264
GNMA II POOL 005083 G2 06/41 FIXED 5%	36,482	39,498	36,375
GNMA II POOL 005116 G2 07/41 FIXED 5%	20,879	22,603	20,818
GNMA II POOL 005156 G2 08/41 FIXED 6%	4,788	5,008	4,977
GNMA II POOL 005189 G2 09/41 FIXED 6%	31,694	33,043	32,840
GNMA II POOL 005203 G2 10/41 FIXED 4%	559	582	529
GNMA II POOL 005233 G2 11/41 FIXED 4%	3,670	3,861	3,477

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities		Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value	
GNMA II POOL 005258 G2 12/41 FIXED 3.5%	241,743	252,334	221,983	
GNMA II POOL 005309 G2 02/42 FIXED 6%	35,690	37,326	37,097	
GNMA II POOL 008580 G2 01/25 FLT	36	36	35	
GNMA II POOL 008595 G2 02/25 FLT	74	74	74	
GNMA II POOL 008599 G2 02/25 FLT	78	78	78	
GNMA II POOL 008608 G2 03/25 FLT	176	178	176	
GNMA II POOL 008611 G2 03/25 FLT	170	171	169	
GNMA II POOL 008619 G2 04/25 FLT	64	64	64	
GNMA II POOL 008621 G2 04/25 FLT	595	595	594	
GNMA II POOL 008623 G2 04/25 FLT	608	608	607	
GNMA II POOL 008624 G2 04/25 FLT	1,024	1,022	1,022	
GNMA II POOL 008628 G2 05/25 FLT	207	209	207	
GNMA II POOL 008631 G2 05/25 FLT	2,157	2,152	2,152	
GNMA II POOL 008634 G2 05/25 FLT	128	129	128	
GNMA II POOL 008644 G2 06/25 FLT	244	246	243	
GNMA II POOL 008646 G2 06/25 FLT	304	308	304	
GNMA II POOL 008663 G2 07/25 FLT	2,122	2,117	2,117	
GNMA II POOL 008664 G2 07/25 FLT	267	268	267	
GNMA II POOL 008814 G2 02/26 FLT	4,681	4,678	4,653	
GNMA II POOL 008815 G2 02/26 FLT	2,551	2,547	2,535	
GNMA II POOL 008913 G2 07/26 FLT	138	138	138	
GNMA II POOL 080031 G2 01/27 FLT	5,438	5,431	5,393	
GNMA II POOL 080032 G2 01/27 FLT	4,481	4,476	4,461	
GNMA II POOL 080044 G2 02/27 FLT	2,368	2,366	2,357	
GNMA II POOL 080045 G2 02/27 FLT	1,618	1,616	1,609	
GNMA II POOL 080059 G2 04/27 FLT	14,391	14,373	14,292	
GNMA II POOL 080060 G2 04/27 FLT	15,706	15,691	15,653	
GNMA II POOL 080070 G2 05/27 FLT	2,246	2,246	2,239	
GNMA II POOL 080082 G2 06/27 FLT	6,219	6,211	6,194	
GNMA II POOL 080094 G2 07/27 FLT	2,391	2,390	2,379	
GNMA II POOL 080106 G2 08/27 FLT	2,955	2,954	2,942	
GNMA II POOL 080114 G2 09/27 FLT	896	897	900	
GNMA II POOL 080123 G2 10/27 FLT	3,801	3,803	3,777	
GNMA II POOL 080133 G2 11/27 FLT	1,971	1,970	1,978	
GNMA II POOL 080137 G2 11/27 FLT	6,458	6,459	6,473	
GNMA II POOL 080141 G2 12/27 FLT	6,201	6,198	6,245	
GNMA II POOL 080145 G2 12/27 FLT	264	264	262	
GNMA II POOL 080154 G2 01/28 FLT	14,574	14,560	14,514	
GNMA II POOL 080156 G2 01/28 FLT	2,256	2,254	2,235	
GNMA II POOL 080168 G2 02/28 FLT	5,391	5,389	5,374	
GNMA II POOL 080178 G2 03/28 FLT	4,733	4,733	4,708	
GNMA II POOL 080296 G2 07/29 FLT	33,311	33,301	33,237	
GNMA II POOL 080309 G2 08/29 FLT	12,305	12,309	12,261	
GNMA II POOL 080317 G2 09/29 FLT	3,338	3,338	3,324	
GNMA II POOL 080329 G2 10/29 FLT	9,459	9,463	9,407	
GNMA II POOL 080331 G2 10/29 FLT	5,877	5,877	5,850	
GNMA II POOL 080344 G2 11/29 FLT	8,122	8,123	8,081	
GNMA II POOL 080346 G2 11/29 FLT	12,764	12,763	12,707	
GNMA II POOL 080354 G2 12/29 FLT	3,281	3,283	3,266	
GNMA II POOL 080356 G2 12/29 FLT	308	308	306	
GNMA II POOL 080364 G2 01/30 FLT	7,014	7,015	7,014	
GNMA II POOL 080376 G2 02/30 FLT	1,841	1,843	1,844	
GNMA II POOL 080385 G2 03/30 FLT	13,183	13,203	13,204	
GNMA II POOL 080393 G2 04/30 FLT	4,136	4,137	4,115	
GNMA II POOL 080395 G2 04/30 FLT	13,070	13,078	13,125	
GNMA II POOL 080406 G2 05/30 FLT	2,191	2,191	2,177	
GNMA II POOL 080408 G2 05/30 FLT	27,572	27,575	27,693	
GNMA II POOL 080409 G2 05/30 FLT	22,177	22,190	22,114	
GNMA II POOL 080413 G2 06/30 FLT	5,531	5,538	5,494	
GNMA II POOL 080428 G2 07/30 FLT	46,156	46,163	46,174	
GNMA II POOL 080455 G2 09/30 FLT	8,940	8,951	8,957	

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GNMA II POOL 080460 G2 10/30 FLT	13,489	13,509	13,443
GNMA II POOL 080674 G2 02/33 FLT	6,267	6,297	6,291
GNMA II POOL 080819 G2 01/34 FLT	38,218	37,949	38,407
GNMA II POOL 783368 G2 07/41 FIXED 4.5%	248,142	245,754	240,879
GNMA II POOL 783435 G2 07/40 FIXED 6%	3,220	3,368	3,347
GNMA II POOL 783584 G2 07/41 FIXED 4.5%	46,139	48,389	44,788
GNMA II POOL 783591 G2 07/41 FIXED 4.5%	43,613	45,572	42,336
GNMA II POOL 785558 G2 07/51 FIXED 2.5%	2,178,618	1,846,161	1,803,037
GNMA II POOL 785622 G2 09/51 FIXED 2.5%	759,375	663,005	624,414
GNMA II POOL 785702 G2 10/51 FIXED 2.5%	815,666	716,296	672,366
GNMA II POOL 785764 G2 11/51 FIXED 2.5%	1,530,457	1,341,681	1,266,268
GNMA II POOL 785787 G2 12/51 FIXED 2.5%	816,780	717,733	673,285
GNMA II POOL 785788 G2 12/51 FIXED 2.5%	883,603	774,597	728,364
GNMA II POOL 785790 G2 12/51 FIXED 2.5%	1,026,979	896,586	844,443
GNMA II POOL 786082 G2 11/51 FIXED 3%	77,377	67,669	66,093
GNMA II POOL 786108 G2 03/52 FIXED 3.5%	176,090	157,576	153,977
GNMA II POOL 786535 G2 02/53 FIXED 5.5%	263,660	265,429	262,224
GNMA II POOL 786835 G2 08/53 FIXED 5.5%	723,313	728,282	719,486
GNMA II POOL 786963 G2 09/53 FIXED 6%	428,287	440,720	437,957
GNMA II POOL 787214 G2 01/54 FIXED 6.5%	250,795	259,090	258,294
GNMA II POOL 787228 G2 01/54 FIXED 6%	178,979	184,068	182,758
GNMA II POOL AI4167 G2 08/44 FIXED 4%	27,135	28,610	25,403
GNMA II POOL AJ2723 G2 08/44 FIXED 4%	14,104	14,864	13,152
GNMA II POOL AJ4687 G2 08/44 FIXED 4%	19,576	20,566	18,326
GNMA II POOL BM7534 G2 02/50 FIXED 3.5%	53,366	48,789	47,690
GNMA II POOL BM9743 G2 11/49 FIXED 4%	525,889	499,512	489,210
GNMA II POOL BS8546 G2 12/50 FIXED 2.5%	129,560	108,488	107,122
GNMA II POOL CI1513 G2 03/52 FIXED 3%	87,713	77,843	76,040
GNMA II POOL CL5523 G2 04/52 FIXED 3%	71,616	62,622	61,184
GNMA II POOL MA0023 G2 04/42 FIXED 4%	1,971	2,074	1,867
GNMA II POOL MA0462 G2 10/42 FIXED 3.5%	27,621	28,499	25,221
GNMA II POOL MA0463 G2 10/42 FIXED 4%	1,224	1,288	1,160
GNMA II POOL MA0699 G2 01/43 FIXED 3.5%	30,115	31,193	27,500
GNMA II POOL MA0934 G2 04/43 FIXED 3.5%	35,332	36,591	32,270
GNMA II POOL MA1158 G2 07/43 FIXED 4%	22,736	24,041	21,475
GNMA II POOL MA1225 G2 08/43 FIXED 4%	111,949	118,279	105,670
GNMA II POOL MA1761 G2 03/44 FIXED 4%	1,742	1,836	1,642
GNMA II POOL MA1920 G2 05/44 FIXED 4%	2,154	2,269	2,030
GNMA II POOL MA1995 G2 06/44 FIXED 3.5%	566,693	524,470	512,942
GNMA II POOL MA2305 G2 10/44 FIXED 4.5%	105,169	112,331	101,569
GNMA II POOL MA2372 G2 11/44 FIXED 4%	125,035	131,423	117,291
GNMA II POOL MA2678 G2 03/45 FIXED 3.5%	43,302	40,246	39,323
GNMA II POOL MA2754 G2 04/45 FIXED 3.5%	102,794	95,529	93,318
GNMA II POOL MA2827 G2 05/45 FIXED 4%	12,267	12,955	11,537
GNMA II POOL MA2893 G2 06/45 FIXED 4%	417,072	441,441	392,514
GNMA II POOL MA2962 G2 07/45 FIXED 4%	1,563,377	1,652,484	1,464,970
GNMA II POOL MA3244 G2 11/45 FIXED 3.5%	115,045	106,812	104,255
GNMA II POOL MA3376 G2 01/46 FIXED 3.5%	1,876,826	1,963,738	1,699,643
GNMA II POOL MA3521 G2 03/46 FIXED 3.5%	39,888	37,021	36,244
GNMA II POOL MA3597 G2 04/46 FIXED 3.5%	717,240	702,926	648,972
GNMA II POOL MA3737 G2 06/46 FIXED 4%	379,921	406,367	357,128
GNMA II POOL MA5138 G2 04/48 FIXED 4.5%	90,178	93,199	86,518
GNMA II POOL MA5193 G2 05/48 FIXED 4.5%	719,651	750,658	690,226
GNMA II POOL MA5264 G2 06/48 FIXED 4%	873,392	849,472	814,492
GNMA II POOL MA5331 G2 07/48 FIXED 4.5%	366,210	380,271	351,104
GNMA II POOL MA5399 G2 08/48 FIXED 4.5%	606,011	626,926	580,950
GNMA II POOL MA5400 G2 08/48 FIXED 5%	157,962	168,109	155,451
GNMA II POOL MA5465 G2 09/48 FIXED 3.5%	114,004	105,506	102,973
GNMA II POOL MA5466 G2 09/48 FIXED 4%	1,098,962	1,081,490	1,024,338
GNMA II POOL MA5467 G2 09/48 FIXED 4.5%	4,276,892	4,441,481	4,100,025
GNMA II POOL MA5530 G2 10/48 FIXED 5%	1,760,426	1,835,091	1,734,887

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GNMA II POOL MA5597 G2 11/48 FIXED 5%	669,048	700,847	657,207
GNMA II POOL MA5652 G2 12/48 FIXED 4.5%	1,213,729	1,312,862	1,163,348
GNMA II POOL MA5653 G2 12/48 FIXED 5%	1,057,683	1,129,129	1,041,196
GNMA II POOL MA5711 G2 01/49 FIXED 4.5%	465,377	502,563	446,019
GNMA II POOL MA5712 G2 01/49 FIXED 5%	2,001,480	2,070,945	1,964,721
GNMA II POOL MA5764 G2 02/49 FIXED 4.5%	276,819	298,568	265,304
GNMA II POOL MA5819 G2 03/49 FIXED 5%	573,233	606,205	563,413
GNMA II POOL MA5876 G2 04/49 FIXED 4%	440,103	446,878	409,832
GNMA II POOL MA5932 G2 05/49 FIXED 4.5%	105,963	112,979	101,372
GNMA II POOL MA5986 G2 06/49 FIXED 4%	346,656	356,641	322,401
GNMA II POOL MA6089 G2 08/49 FIXED 3%	1,146,050	1,187,167	1,001,464
GNMA II POOL MA6090 G2 08/49 FIXED 3.5%	170,542	178,992	153,805
GNMA II POOL MA6091 G2 08/49 FIXED 4%	117,279	124,175	108,489
GNMA II POOL MA6218 G2 10/49 FIXED 3%	5,243,730	5,448,739	4,575,693
GNMA II POOL MA6221 G2 10/49 FIXED 4.5%	141,672	150,929	135,515
GNMA II POOL MA6287 G2 11/49 FIXED 5%	101,431	101,771	99,991
GNMA II POOL MA6339 G2 12/49 FIXED 3.5%	359,381	377,228	323,470
GNMA II POOL MA6341 G2 12/49 FIXED 4.5%	230,326	245,645	220,757
GNMA II POOL MA6541 G2 03/50 FIXED 3%	2,977,363	2,744,822	2,592,667
GNMA II POOL MA6599 G2 04/50 FIXED 3%	1,461,953	1,547,911	1,272,981
GNMA II POOL MA6767 G2 07/50 FIXED 3.5%	67,735	71,692	61,182
GNMA II POOL MA6819 G2 08/50 FIXED 2.5%	284,023	297,067	238,075
GNMA II POOL MA6865 G2 09/50 FIXED 2.5%	308,750	322,936	258,551
GNMA II POOL MA7053 G2 12/50 FIXED 3%	697,173	726,221	605,920
GNMA II POOL MA7135 G2 01/51 FIXED 2%	2,041,439	1,852,454	1,632,813
GNMA II POOL MA7136 G2 01/51 FIXED 2.5%	221,016	189,320	184,929
GNMA II POOL MA7139 G2 01/51 FIXED 4%	238,278	241,974	221,899
GNMA II POOL MA7193 G2 02/51 FIXED 2.5%	466,663	483,653	389,786
GNMA II POOL MA7194 G2 02/51 FIXED 3%	90,685	80,805	78,956
GNMA II POOL MA7255 G2 03/51 FIXED 2.5%	1,422,636	1,471,798	1,188,272
GNMA II POOL MA7312 G2 04/51 FIXED 2.5%	1,275,531	1,317,138	1,065,397
GNMA II POOL MA7418 G2 06/51 FIXED 2.5%	791,974	817,257	662,036
GNMA II POOL MA7419 G2 06/51 FIXED 3%	759,683	708,147	659,482
GNMA II POOL MA7534 G2 08/51 FIXED 2.5%	11,348,774	9,555,266	9,478,998
GNMA II POOL MA7535 G2 08/51 FIXED 3%	2,563,069	2,386,578	2,222,424
GNMA II POOL MA7706 G2 11/51 FIXED 3%	1,490,633	1,544,704	1,292,517
GNMA II POOL MA7767 G2 12/51 FIXED 2.5%	1,522,274	1,529,808	1,271,458
GNMA II POOL MA7768 G2 12/51 FIXED 3%	2,806,060	2,874,763	2,434,434
GNMA II POOL MA7769 G2 12/51 FIXED 3.5%	13,222,592	13,827,251	11,841,329
GNMA II POOL MA8042 G2 05/52 FIXED 2.5%	875,898	796,108	731,556
GNMA II POOL MA8043 G2 05/52 FIXED 3%	9,457,720	8,238,147	8,199,736
GNMA II POOL MA8097 G2 06/52 FIXED 2.5%	5,439,444	4,955,385	4,543,062
GNMA II POOL MA8147 G2 07/52 FIXED 2.5%	817,198	769,048	682,530
GNMA II POOL MA8151 G2 07/52 FIXED 4.5%	462,269	445,435	438,119
GNMA II POOL MA8201 G2 08/52 FIXED 4.5%	2,581,314	2,479,966	2,446,059
GNMA II POOL MA8268 G2 09/52 FIXED 4.5%	511,859	499,378	484,960
GNMA II POOL MA8429 G2 11/52 FIXED 5.5%	983,769	993,006	979,419
GNMA II POOL MA8488 G2 12/52 FIXED 4%	1,604,674	1,488,334	1,478,411
GNMA II POOL MA8491 G2 12/52 FIXED 5.5%	452,821	453,152	450,071
GNMA II POOL MA8492 G2 12/52 FIXED 6%	486,847	489,380	492,526
GNMA II POOL MA8564 G2 01/53 FIXED 2.5%	304,367	269,102	254,212
GNMA II POOL MA8570 G2 01/53 FIXED 5.5%	674,056	684,146	670,936
GNMA II POOL MA8644 G2 02/53 FIXED 3.5%	4,278,491	3,971,377	3,842,618
GNMA II POOL MA8726 G2 03/53 FIXED 5.5%	326,131	328,387	324,421
GNMA II POOL MA8796 G2 04/53 FIXED 3%	333,169	296,267	289,450
GNMA II POOL MA8801 G2 04/53 FIXED 5.5%	2,353,785	2,323,578	2,340,961
GNMA II POOL MA8879 G2 05/53 FIXED 5.5%	1,943,873	1,947,509	1,932,885
GNMA II POOL MA8946 G2 06/53 FIXED 4.5%	741,844	710,606	702,171
GNMA II POOL MA9016 G2 07/53 FIXED 5%	284,913	281,177	277,010
GNMA II POOL MA9241 G2 10/53 FIXED 5.5%	391,874	392,131	389,257
GNMA II POOL MA9486 G2 02/54 FIXED 4.5%	1,254,751	1,223,650	1,186,999

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities		Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value	
GNMA II POOL MA9541 G2 03/54 FIXED 5.5%	802,242	799,551	796,105	
GNMA II POOL MA9605 G2 04/54 FIXED 5.5%	314,144	317,212	311,661	
GNMA II POOL MA9726 G2 06/54 FIXED 6%	785,044	791,737	791,001	
GNMA II POOL MA9780 G2 07/54 FIXED 6%	857,196	864,070	863,700	
GNMA II POOL MA9964 G2 10/54 FIXED 5%	6,409,790	6,243,328	6,226,047	
GNMA II POOL MB0025 G2 11/54 FIXED 5%	2,995,130	2,935,271	2,908,810	
GNMA II TBA 30 YR 2 JUMBOS 01/55	54,406,000	44,188,066	43,466,159	
GNMA II TBA 30 YR 2 JUMBOS 02/55	4,500,000	3,598,242	3,596,732	
GNMA II TBA 30 YR 2.5 JUMBOS 01/55	7,202,000	6,136,416	6,010,310	
GNMA II TBA 30 YR 2.5 JUMBOS 02/55	7,300,000	6,068,695	6,092,950	
GNMA II TBA 30 YR 2.5%	-	(3,780,863)	-	
GNMA II TBA 30 YR 3 JUMBOS 01/55	(8,682,000)	(7,549,473)	(7,522,019)	
GNMA II TBA 30 YR 3 JUMBOS 02/55	22,600,000	20,142,250	19,581,351	
GNMA II TBA 30 YR 3.5 JUMBOS 01/55	8,872,000	8,072,123	7,923,881	
GNMA II TBA 30 YR 4 JUMBOS 01/55	6,015,000	5,651,102	5,537,906	
GNMA II TBA 30 YR 4 JUMBOS 02/55	14,300,000	13,184,488	13,166,878	
GNMA II TBA 30 YR 4%	-	175,220	-	
GNMA II TBA 30 YR 4.5 JUMBOS 01/55	18,960,000	18,176,915	17,924,657	
GNMA II TBA 30 YR 5 JUMBOS 01/55	6,174,000	6,099,196	5,992,314	
GNMA II TBA 30 YR 5%	3,600,000	3,194,470	3,492,373	
GNMA II TBA 30 YR 5.5 JUMBOS 01/55	48,707,000	48,767,097	48,292,201	
GNMA II TBA 30 YR 6 JUMBOS 01/55	32,607,000	32,923,679	32,826,786	
GNMA II TBA 30 YR 6.5 JUMBOS 01/55	4,830,000	4,917,812	4,912,211	
GNMA POOL 175313 GN 11/28 FIXED 7%	423	423	423	
GNMA POOL 325576 GN 06/28 FIXED 7%	300	303	302	
GNMA POOL 395617 GN 08/28 FIXED 7.5%	3,960	3,982	3,978	
GNMA POOL 415026 GN 01/26 FIXED 7%	657	682	657	
GNMA POOL 417226 GN 01/26 FIXED 7%	89	89	89	
GNMA POOL 419146 GN 09/28 FIXED 6.5%	883	891	887	
GNMA POOL 424174 GN 03/26 FIXED 7%	484	485	484	
GNMA POOL 425825 GN 01/28 FIXED 7%	1,089	1,087	1,088	
GNMA POOL 425832 GN 01/28 FIXED 7%	332	336	335	
GNMA POOL 430642 GN 04/28 FIXED 7.5%	880	885	884	
GNMA POOL 433566 GN 01/28 FIXED 7%	801	807	808	
GNMA POOL 433726 GN 04/28 FIXED 7%	541	542	542	
GNMA POOL 433911 GN 09/28 FIXED 6.5%	2,733	2,831	2,827	
GNMA POOL 433942 GN 08/28 FIXED 6.5%	371	377	375	
GNMA POOL 433969 GN 09/28 FIXED 6.5%	760	772	769	
GNMA POOL 433980 GN 09/28 FIXED 7%	5,773	5,816	5,806	
GNMA POOL 442929 GN 09/28 FIXED 6.5%	3,723	3,778	3,765	
GNMA POOL 446648 GN 07/28 FIXED 7%	1,005	1,016	1,017	
GNMA POOL 449219 GN 01/28 FIXED 7%	311	312	312	
GNMA POOL 449539 GN 07/28 FIXED 7%	2,421	2,456	2,456	
GNMA POOL 449826 GN 01/28 FIXED 7.5%	412	415	414	
GNMA POOL 460912 GN 09/28 FIXED 7%	4,325	4,373	4,374	
GNMA POOL 464199 GN 09/28 FIXED 7%	3,442	3,468	3,462	
GNMA POOL 464853 GN 09/28 FIXED 6.5%	1,438	1,461	1,455	
GNMA POOL 468064 GN 07/28 FIXED 7%	1,084	1,090	1,089	
GNMA POOL 472811 GN 10/28 FIXED 7.5%	2,616	2,632	2,629	
GNMA POOL 478713 GN 09/29 FIXED 7.5%	757	759	758	
GNMA POOL 483775 GN 10/28 FIXED 7%	5,573	5,613	5,604	
GNMA POOL 484429 GN 09/28 FIXED 6.5%	1,619	1,642	1,636	
GNMA POOL 486470 GN 08/28 FIXED 6.5%	1,653	1,714	1,712	
GNMA POOL 486516 GN 09/28 FIXED 6.5%	3,815	3,933	3,928	
GNMA POOL 486622 GN 10/28 FIXED 7.5%	631	634	633	
GNMA POOL 486670 GN 01/35 FIXED 5.5%	198,302	211,351	201,791	
GNMA POOL 487993 GN 09/28 FIXED 7%	6,116	6,173	6,160	
GNMA POOL 490576 GN 09/28 FIXED 6.5%	5,339	5,443	5,421	
GNMA POOL 493134 GN 11/28 FIXED 7%	455	459	458	
GNMA POOL 542741 GN 04/31 FIXED 7%	2,002	2,033	2,005	
GNMA POOL 549588 GN 09/31 FIXED 7%	1,368	1,391	1,398	

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value
GNMA POOL 551119 GN 08/31 FIXED 7%	296	300	303
GNMA POOL 561961 GN 06/31 FIXED 7%	2,620	2,662	2,619
GNMA POOL 562971 GN 05/31 FIXED 7%	552	561	562
GNMA POOL 567909 GN 11/32 FIXED 5.5%	21,806	23,038	22,201
GNMA POOL 569567 GN 01/32 FIXED 7%	3,961	4,029	4,011
GNMA POOL 580867 GN 12/31 FIXED 7%	9,388	9,548	9,555
GNMA POOL 591851 GN 02/33 FIXED 5.5%	51,009	53,853	50,904
GNMA POOL 591924 GN 03/33 FIXED 5.5%	24,861	26,179	24,871
GNMA POOL 591931 GN 03/33 FIXED 5.5%	20,868	22,021	20,820
GNMA POOL 594054 GN 07/33 FIXED 5.5%	29,316	30,847	29,245
GNMA POOL 595198 GN 11/32 FIXED 5.5%	747	779	746
GNMA POOL 603266 GN 05/34 FIXED 5.5%	18,321	20,150	18,643
GNMA POOL 605594 GN 12/34 FIXED 5.5%	228,534	242,803	232,555
GNMA POOL 605698 GN 09/34 FIXED 5.5%	201,598	214,269	205,144
GNMA POOL 607639 GN 01/33 FIXED 5.5%	9,021	9,502	8,998
GNMA POOL 613049 GN 09/33 FIXED 5.5%	8,573	9,078	8,740
GNMA POOL 614602 GN 07/33 FIXED 5.5%	18,311	19,255	18,590
GNMA POOL 620494 GN 08/33 FIXED 4.5%	17,909	19,016	17,719
GNMA POOL 620527 GN 08/33 FIXED 5.5%	20,833	22,082	21,200
GNMA POOL 628079 GN 04/34 FIXED 5.5%	21,590	22,797	21,705
GNMA POOL 633240 GN 09/34 FIXED 5.5%	37,812	40,248	38,198
GNMA POOL 663792 GN 01/37 FIXED 5%	4,278	4,496	4,246
GNMA POOL 666087 GN 03/38 FIXED 5%	30,763	32,284	30,583
GNMA POOL 673230 GN 11/38 FIXED 6.5%	9,065	9,934	9,406
GNMA POOL 686780 GN 06/38 FIXED 5%	15,906	16,785	15,933
GNMA POOL 697562 GN 11/38 FIXED 6.5%	29,661	32,193	30,742
GNMA POOL 698654 GN 11/38 FIXED 6%	4,010	4,092	4,081
GNMA POOL 699129 GN 09/38 FIXED 6.5%	6,235	6,701	6,475
GNMA POOL 723615 GN 01/40 FIXED 4.5%	110,775	120,487	105,705
GNMA POOL 728627 GN 01/40 FIXED 4.5%	30,539	33,149	29,600
GNMA POOL 732087 GN 05/40 FIXED 4.5%	6,044	6,561	5,851
GNMA POOL 738423 GN 06/41 FIXED 5%	48,259	51,129	47,320
GNMA POOL 745793 GN 07/40 FIXED 4.5%	57,097	62,047	55,240
GNMA POOL 759138 GN 01/41 FIXED 4%	113,571	119,910	107,218
GNMA POOL 762838 GN 03/41 FIXED 4%	59,546	62,932	56,215
GNMA POOL 764428 GN 05/41 FIXED 5%	44,557	47,753	44,225
GNMA POOL 770491 GN 08/41 FIXED 4%	650,840	694,375	611,227
GNMA POOL 780601 GN 07/27 FIXED 7%	1,991	2,001	2,002
GNMA POOL 780914 GN 11/28 FIXED 6%	196	195	199
GNMA POOL 781001 GN 03/29 FIXED 7.5%	11,637	11,830	11,830
GNMA POOL 781330 GN 09/31 FIXED 6%	2,137	2,155	2,167
GNMA POOL 781340 GN 10/31 FIXED 6.5%	2,135	2,189	2,182
GNMA POOL 781548 GN 11/32 FIXED 7%	1,409	1,436	1,468
GNMA POOL 781804 GN 09/34 FIXED 6%	41,934	41,291	43,718
GNMA POOL 781847 GN 12/34 FIXED 6%	32,096	30,813	33,462
GNMA POOL 781902 GN 02/35 FIXED 6%	41,644	39,073	43,415
GNMA POOL 782557 GN 01/39 FIXED 5%	279,551	302,382	277,522
GNMA POOL 782619 GN 04/39 FIXED 5%	181,414	193,817	180,442
GNMA POOL 782696 GN 06/39 FIXED 5%	36,875	39,486	36,677
GNMA POOL 782958 GN 05/40 FIXED 5%	78,203	83,921	77,761
GNMA POOL 783289 GN 04/41 FIXED 4.5%	11,540	12,546	11,177
GNMA POOL 783571 GN 12/33 FIXED 5%	66,457	71,933	66,785
GNMA POOL 783609 GN 10/40 FIXED 4.5%	110,459	119,695	107,050
GNMA POOL 783610 GN 11/41 FIXED 4.5%	92,746	99,393	89,771
GNMA POOL AB9108 GN 10/42 FIXED 3%	286,199	260,534	254,628
GNMA POOL BS8439 GN 05/50 FIXED 3.5%	145,290	132,792	129,801
GO DADDY OPCO/FINCO COMPANY GUAR 144A 03/29 3.5%	104,000	103,685	95,011
GO DADDY OPCO/FINCO COMPANY GUAR 144A 12/27 5.25%	2,000	1,965	1,965
GOAT HOLDCO LLC SR SECURED 144A 02/32 6.75%	735,000	735,144	727,819
GOEASY LTD COMPANY GUAR 144A 05/30 6.875%	1,830,000	1,832,422	1,845,253
GOEASY LTD COMPANY GUAR 144A 12/28 9.25%	1,785,000	1,792,205	1,902,415

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GOEASY LTD SR UNSECURED 144A 07/29 7.625	1,160,000	1,163,569	1,185,330
GOGO INTERMEDIATE HOLDINGS LLC TERM LOAN B due 04/30/28	2,121,356	2,100,695	2,009,093
GOHL CAPITAL LTD COMPANY GUAR REGS 01/27 4.25%	200,000	203,647	194,600
GOLDEN STATE FOOD LLC TERM LOAN B due 10/07/31	102,632	101,866	103,433
GOLDENTREE LOAN MANAGEMENT US GLM 2018 3A B1 144A	250,000	250,073	250,481
GOLDENTREE LOAN MANAGEMENT US GLM 2019 6A CR 144A	250,000	250,244	250,528
GOLDENTREE LOAN MANAGEMENT US GLM 2020 7A ARR 144A	300,000	300,000	300,052
GOLDENTREE LOAN MANAGEMENT US GLM 2023 17A D 144A	1,025,000	1,025,000	1,030,668
GOLDENTREE LOAN MANAGEMENT US GLM 2024 21A D 144A	250,000	250,000	253,987
GOLDMAN HOME IMPROVEMENT TRUST GHIT 2022 GRN2 A 144A	88,982	88,621	90,610
GOLDMAN SACHS GROUP INC JR SUBORDINA 12/99 VAR	3,350,000	3,223,031	3,251,755
GOLDMAN SACHS GROUP INC SR UNSECURED 01/25 3.5	10,000,000	9,988,720	9,994,250
GOLDMAN SACHS GROUP INC SR UNSECURED 02/28 VAR	574,000	548,305	547,510
GOLDMAN SACHS GROUP INC SR UNSECURED 02/33 VAR	655,000	576,545	564,652
GOLDMAN SACHS GROUP INC SR UNSECURED 03/28 VAR	5,375,000	5,346,874	5,227,800
GOLDMAN SACHS GROUP INC SR UNSECURED 04/25 3.5%	8,000,000	7,960,100	7,972,420
GOLDMAN SACHS GROUP INC SR UNSECURED 04/29 VAR	1,086,000	1,048,886	1,044,669
GOLDMAN SACHS GROUP INC SR UNSECURED 04/30 VAR	1,250,000	1,265,649	1,275,627
GOLDMAN SACHS GROUP INC SR UNSECURED 04/32 VAR	3,173,000	2,669,482	2,705,243
GOLDMAN SACHS GROUP INC SR UNSECURED 04/35 VAR	2,600,000	2,633,187	2,650,448
GOLDMAN SACHS GROUP INC SR UNSECURED 05/26 VAR	3,761,000	3,768,605	3,775,876
GOLDMAN SACHS GROUP INC SR UNSECURED 06/28 VAR	3,000,000	3,000,000	2,914,251
GOLDMAN SACHS GROUP INC SR UNSECURED 07/30 VAR	1,777,000	1,778,388	1,767,939
GOLDMAN SACHS GROUP INC SR UNSECURED 07/32 VAR	901,000	736,588	751,872
GOLDMAN SACHS GROUP INC SR UNSECURED 07/35 VAR	3,987,000	4,013,848	3,917,673
GOLDMAN SACHS GROUP INC SR UNSECURED 07/44 4.8%	79,000	72,683	69,895
GOLDMAN SACHS GROUP INC SR UNSECURED 08/28 VAR	1,027,000	1,021,434	1,015,067
GOLDMAN SACHS GROUP INC SR UNSECURED 10/27 VAR	1,636,000	1,531,624	1,552,150
GOLDMAN SACHS GROUP INC SR UNSECURED 10/29 VAR	805,000	805,000	843,282
GOLDMAN SACHS GROUP INC SR UNSECURED 10/30 VAR	7,271,000	7,263,921	7,120,264
GOLDMAN SACHS GROUP INC SR UNSECURED 10/32 VAR	3,856,000	3,394,881	3,259,920
GOLDMAN SACHS GROUP INC SR UNSECURED 10/35 VAR	1,230,000	1,214,031	1,177,918
GOLDMAN SACHS GROUP INC SR UNSECURED 12/26 VAR	500,000	492,968	482,731
GOLDMAN SACHS GROUP INC SR UNSECURED REGS 05/29 0.875%	293,000	281,015	276,511
GOLDMAN SACHS GROUP INC SR UNSECURED REGS 09/29 4%	1,319,000	1,430,829	1,426,044
GOLDMAN SACHS GROUP INC SR UNSECURED REGS 10/29 VAR	898,000	1,043,189	1,069,367
GOLDSTORY SASU SR SECURED REGS 02/30 6.75%	400,000	439,401	432,359
GOLUB CAPITAL PARTNERS CLO LTD GOCAP 2021 54A A 144A	2,030,000	2,034,037	2,032,535
GOLUB CAPITAL PARTNERS CLO, LT GCBSL 2019 43A A1R 144A	300,000	300,000	301,877
GOLUB CAPITAL PARTNERS CLO, LT GCBSL 2023 66A A 144A	500,000	502,493	501,314
GOLUB CAPITAL PARTNERS CLO, LT GCBSL 2024 72A A 144A	480,000	480,000	484,038
GOLUB CAPITAL PARTNERS CLO, LT GCBSL 2024 74A A 144A	250,000	250,000	252,130
GOLUB CAPITAL PARTNERS CLO, LT GCBSL 2024 77A D1 144A	500,000	500,000	500,000
GOODLEAP SUSTAINABLE HOME IMPR GOOD 2022 1GS A 144A	754,858	582,630	611,405
GOODLEAP SUSTAINABLE HOME IMPR GOOD 2022 3CS A 144A	218,877	218,790	199,115
GOODLEAP SUSTAINABLE HOME IMPR GOOD 2023 3C A 144A	509,408	507,365	505,697
GOODNIGHT WATER SOLUTIONS LLC 2024 TERM LOAN B due 06/04/29	83,596	82,437	83,701
GOODYEAR EUROPE BV COMPANY GUAR REGS 08/28 2.75%	140,000	139,995	136,997
GOODYEAR TIRE + RUBBER COMPANY GUAR 03/27 4.875	4,000	3,935	3,864
GOODYEAR TIRE + RUBBER COMPANY GUAR 04/31 5.25%	275,000	272,586	245,317
GOODYEAR TIRE + RUBBER COMPANY GUAR 04/33 5.625	190,000	169,790	166,836
GOODYEAR TIRE + RUBBER COMPANY GUAR 07/29 5%	1,200,000	1,155,957	1,101,923
GOODYEAR TIRE + RUBBER COMPANY GUAR 07/31 5.25%	194,000	172,059	173,760
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 114 A	217,302	219,936	185,198
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 124 AS	276,815	30,554	27,680
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 127 GB	105,000	87,273	86,766
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 34 SA	195,938	17,756	16,123
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 75 PB	89,000	77,034	71,287
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 98 HY	227,000	198,371	188,833
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 98 SA	150,230	15,903	13,153
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 H08 FB	47,742	47,787	47,742

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 H18 NA	106,099	105,949	105,948
GOVERNMENT NATIONAL MORTGAGE A GNR 2012 H29 SA	254,330	253,568	253,937
GOVERNMENT NATIONAL MORTGAGE A GNR 2013 69 AI	304,212	49,546	48,910
GOVERNMENT NATIONAL MORTGAGE A GNR 2013 7 AB	144,030	146,427	122,571
GOVERNMENT NATIONAL MORTGAGE A GNR 2014 5 SP	90,438	4,359	4,148
GOVERNMENT NATIONAL MORTGAGE A GNR 2015 167 OI	218,807	42,716	42,881
GOVERNMENT NATIONAL MORTGAGE A GNR 2015 167 SA	238,112	42,994	25,703
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 112 SJ	6,997,394	836,214	601,164
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 130 HS	2,349,599	387,855	240,054
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 149 BS	2,719,809	471,193	319,250
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 163 SA	1,164,318	180,190	126,556
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 37 SB	1,705,613	234,432	200,434
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 112 LS	1,981,853	335,860	208,483
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 125 SK	2,564,858	403,581	244,836
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 134 KS	2,148,283	322,913	230,583
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 148 SB	3,542,947	577,621	421,450
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 151 SA	3,443,263	524,859	346,146
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 168 PA	112,855	106,654	105,044
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 89 MS	2,016,543	344,637	211,981
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 91 DS	1,988,573	292,564	200,623
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 H02 FM	7,579,626	7,567,989	7,545,987
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 H04 FK	5,951,572	5,912,612	5,907,299
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 H08 GF	3,186,729	3,173,949	3,175,416
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 18 TP	84,205	75,775	74,232
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 20 JS	2,862,131	486,102	287,288
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 5 SH	2,460,924	402,718	250,494
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 56 SG	2,169,794	403,109	232,331
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 85 SC	2,031,538	306,262	224,391
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 90 SD	2,875,779	506,808	349,302
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 107 AB	2,375,169	1,891,333	1,778,781
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 118 IO	3,603,748	213,682	222,822
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 123 IL	179,494	24,419	24,084
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 123 NI	542,788	73,284	72,029
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 127 IN	260,947	37,548	37,152
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 127 LP	451,000	358,207	348,187
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 129 IE	203,106	29,194	28,929
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 166 IP	3,564,394	540,359	567,838
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 175 GI	131,761	15,387	15,193
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 175 KI	9,148,409	1,184,379	1,308,715
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 181 WI	1,250,451	145,679	146,679
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 191 UG	5,671,723	912,007	976,461
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 47 MI	439,473	81,631	84,094
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 47 NI	188,930	37,520	35,013
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 61 SW	6,625,520	657,597	677,886
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 103 HE	1,749,544	1,486,416	1,412,868
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 115 MI	1,793,507	202,252	221,899
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 135 AG	6,319,516	5,283,335	5,071,655
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 138 IK	837,700	118,314	117,239
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 147 KI	2,573,264	205,755	206,346
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 156 LI	3,596,037	705,910	701,422
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 16 KI	6,946,324	1,012,531	981,520
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 176 IN	465,702	66,598	67,900
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 188 PA	1,918,094	1,572,823	1,554,998
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 29 AG	136,220	134,542	132,077
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 57 BI	629,357	107,432	104,794
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 8 AQ	135,881	134,020	131,571
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 96 VI	389,396	55,064	55,983
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 H19 FM	5,031,373	5,128,845	5,006,645
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 128 SE	5,674,677	499,573	465,178
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 177 HS	9,314,937	633,941	574,656
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 18 SL	6,589,549	900,085	900,925

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 180 SD	4,863,555	321,859	290,892
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 189 PT	781,891	646,749	635,282
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 196 BE	600,000	432,198	420,036
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 210 IO	2,928,085	190,057	187,334
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 216 IO	2,951,565	190,089	180,259
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 220 E	500,000	354,427	343,601
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 3 B	1,700,000	910,525	868,840
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 3 IO	94,539	4,539	4,630
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 63 GS	5,944,592	925,544	575,871
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 81 CI	720,531	108,809	107,302
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 99 JW	200,000	162,427	160,257
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H07 FH	5,803,476	5,695,317	5,741,341
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H08 FE	5,709,139	5,728,098	5,663,800
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H09 FA	5,118,102	5,145,306	5,059,523
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H11 EF	3,178,831	3,201,499	3,186,868
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 130 IO	1,395,566	254,064	252,399
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 132 SB	14,162,281	1,043,183	873,436
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 141 SN	10,082,652	971,397	1,136,335
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 165 CO	564,742	479,247	484,845
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H02 FL	1,958,635	1,958,635	1,975,102
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H03 FA	2,183,441	2,182,454	2,199,709
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H05 GF	3,445,094	3,449,749	3,441,440
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H08 FE	3,011,273	3,018,514	3,044,661
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H13 FJ	3,421,386	3,421,386	3,475,363
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H20 FL	176,230	177,601	177,635
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 151 LS	5,077,353	297,825	293,470
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 155 SE	5,268,466	349,888	322,218
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 159 SM	6,857,793	367,087	351,456
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 30 XH	9,667,434	725,528	475,132
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 51 TF	313,647	313,890	313,907
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 64 KS	17,777,632	1,009,973	1,266,384
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 96 FL	1,420,527	1,423,396	1,422,050
GOVERNMENT NATIONAL MORTGAGE A GNR 2024 H08 FC	417,547	417,157	416,948
GOVERNMENT OF JAMAICA SR UNSECURED 03/39 8%	200,000	275,702	231,010
GOVERNMENT OF JAMAICA SR UNSECURED 07/45 7.875%	439,000	539,295	507,045
GRACECHURCH MORTGAGE FINANCE P GRACE 2020 GRCE A 144A	660,000	590,425	553,610
GRAHAM PACKAGING COMPANY INC 2024 TERM LOAN B due 08/04/27	859,516	859,945	860,822
GRAHAM PACKAGING/GPC CAP COMPANY GUAR 144A 08/28 7.125%	1,660,000	1,661,175	1,635,829
GRANT THORNTON ADVISORS LLC 2024 DELAYED DRAW TERM LOAN due 06/02/31	17,391	17,391	17,377
GRANT THORNTON ADVISORS LLC 2024 TERM LOAN B due 06/02/31	142,609	142,609	142,492
GRANT THORNTON ADVISORS LLC TERM LOAN B due 06/02/31	2,048,885	2,048,885	2,047,205
GRAPHIC PACKAGING INTERN COMPANY GUAR 144A 03/28 3.5	5,000	4,736	4,677
GRAY ESCROW II INC COMPANY GUAR 144A 11/31 5.375%	500,000	352,419	266,582
GRAY TELEVISION INC GRAY TELEVISION INC TERM LOAN due 12/01/28	485,000	485,698	447,112
GRAY TELEVISION INC SR SECURED 144A 07/29 10.5	235,000	239,175	234,991
GREAT AMERICA LEASING RECEIVAB GALC 2024 2 A2 144A	713,000	712,988	714,798
GREAT CANADIAN GAMING CO SR SECURED 144A 11/29 8.75%	1,578,000	1,599,529	1,615,145
GREAT CANADIAN GAMING CORP 2024 TERM LOAN B due 11/01/29	994,901	985,189	992,662
GREAT LAKES DREDGE+DOCK COMPANY GUAR 144A 06/29 5.25	995,000	883,210	925,492
GREAT OUTDOORS GROUP LLC 2021 TERM LOAN B1 due 03/06/28	1,269,575	1,268,931	1,274,019
GREAT WOLF TRUST GWT 2024 WLF2 A 144A	2,435,000	2,426,530	2,444,131
GREAT WOLF TRUST GWT 2024 WOLF A 144A	1,600,000	1,596,172	1,602,500
GREAT WOLF TRUST GWT 2024 WOLF B 144A	2,800,000	2,793,295	2,806,125
GREAT WOLF TRUST GWT 2024 WOLF D 144A	1,079,000	1,076,413	1,087,093
GREENFIRE RESOURCES LTD SR SECURED 144A 10/28 12%	80,000	85,672	86,188
GREENKO DUTCH BV SR SECURED REGS 03/26 3.85%	179,000	179,587	173,998
GREENPOINT MORTGAGE FUNDING TR GPMF 2005 AR3 X1	1,218,581	36,231	1,956
GREENPOINT MORTGAGE FUNDING TR GPMF 2005 AR4 X4	841,609	18,227	8
GREENPOINT MORTGAGE FUNDING TR GPMF 2006 AR2 3A2	208,609	126,526	197,267
GREENPOINT MORTGAGE FUNDING TR GPMF 2007 AR1 2A1A	629,834	432,304	574,485
GREENSAIF PIPELINES BIDC SR SECURED 144A 02/36 5.8528%	220,000	220,000	217,143

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
GREENSAIF PIPELINES BIDC SR SECURED 144A 02/38 6.129%	2,342,000	2,396,971	2,346,674
GREENSAIF PIPELINES BIDC SR SECURED 144A 08/42 6.1027%	1,363,000	1,363,000	1,328,939
GREENSAIF PIPELINES BIDC SR SECURED REGS 02/38 6.129%	700,000	712,093	701,397
GREYSTAR REAL ESTATE PAR SR SECURED 144A 09/30 7.75%	1,600,000	1,612,142	1,690,644
GREYSTONE COMMERCIAL REAL ESTA GSTNE 2021 HC2 C 144A	700,000	696,567	696,276
GREYSTONE COMMERCIAL REAL ESTA GSTNE 2024 HC3 C 144A	1,000,000	1,008,919	998,463
GREYSTR REAL ESTATE PARTNR LLC 2024 1ST LIEN TERM LOAN B due 08/21/30	1,235,180	1,232,310	1,242,900
GRIFFON CORPORATION COMPANY GUAR 03/28 5.75%	733,000	732,143	718,739
GRIFOLS SA SR UNSECURED 144A 10/28 4.75%	1,615,000	1,469,335	1,484,070
GRIFOLS WORLDWIDE OPERATIONS U USD 2019 TERM LOAN B due 11/15/27	800,000	792,105	795,800
GROUP 1 AUTOMOTIVE INC COMPANY GUAR 144A 01/30 6.375%	175,000	175,305	175,350
GROUP 1 AUTOMOTIVE INC COMPANY GUAR 144A 08/28 4%	904,000	873,222	846,334
GRUENENTHAL GMBH SR SECURED REGS 05/28 4.125%	100,000	119,761	103,856
GRUENENTHAL GMBH SR SECURED REGS 11/31 4.625%	135,000	141,507	141,332
GRUPO ENERGIA BOGOTA SR UNSECURED 144A 11/33 7.85	245,000	264,677	272,980
GS MORTGAGE BACKED SECURITIES GSMBS 2020 RPL1 M2 144A	1,800,000	1,391,298	1,533,264
GS MORTGAGE BACKED SECURITIES GSMBS 2021 RPL1 A2 144A	500,000	425,418	421,330
GS MORTGAGE BACKED SECURITIES GSMBS 2022 NQM1 A4 144A	373,402	341,785	337,442
GS MORTGAGE SECURITIES CORP. GSMSC 2006 OA1R A 144A	1,048,077	16,354	10
GS MORTGAGE SECURITIES TRUST GSMS 2014 GC24 A5	29,895	31,193	29,720
GS MORTGAGE SECURITIES TRUST GSMS 2015 GC28 XA	653,960	19,654	7
GS MORTGAGE SECURITIES TRUST GSMS 2017 375H A 144A	1,400,000	1,293,990	1,312,700
GS MORTGAGE SECURITIES TRUST GSMS 2019 GC42 C	1,083,000	903,015	896,359
GS MORTGAGE SECURITIES TRUST GSMS 2021 IP E 144A	1,490,000	1,489,080	1,479,012
GS MORTGAGE SECURITIES TRUST GSMS 2023 FUN B 144A	880,000	878,539	886,050
GS MORTGAGE SECURITIES TRUST GSMS 2024 RVR A 144A	380,000	380,000	375,817
GSAMP TRUST GSAMP 2007 FM1 A2A	238,695	227,190	102,046
GSR MORTGAGE LOAN TRUST GSR 2005 AR6 2A1	11,958	11,360	11,314
GTCR W 2 MERGER SUB LLC SR SECURED 144A 01/31 7.5%	3,958,000	3,966,331	4,149,407
GUARDIAN LIFE GLOB FUND SECURED 144A 06/25 1.1%	2,124,000	2,081,446	2,088,700
GULFPORT ENERGY OP CORP COMPANY GUAR 144A 09/29 6.75%	2,002,000	2,002,000	2,015,956
GULFSIDE SUPPLY INC TERM LOAN B due 06/17/31	820,917	819,013	823,585
GVC HOLDINGS GIBRALTAR LIMITED 2024 USD TERM LOAN B due 10/31/29	998,498	1,002,498	1,000,575
GXO LOGISTICS INC SR UNSECURED 05/34 6.5	1,000,000	989,141	1,025,758
GYP HOLDINGS III CORP COMPANY GUAR 144A 05/29 4.625%	750,000	750,000	707,367
H.B. FULLER CO SR UNSECURED 10/28 4.25%	455,000	438,094	428,091
H+E EQUIPMENT SERVICES COMPANY GUAR 144A 12/28 3.875%	2,724,000	2,659,379	2,489,564
HAH GROUP HOLDING CO LLC SR SECURED 144A 10/31 9.75%	70,000	71,622	70,056
HALEON US CAPITAL LLC COMPANY GUAR 03/27 3.375%	2,150,000	2,137,755	2,087,271
HALEON US CAPITAL LLC COMPANY GUAR 03/29 3.375%	280,000	265,871	263,349
HALEON US CAPITAL LLC COMPANY GUAR 03/32 3.625%	480,000	443,908	434,701
HALLIBURTON CO SR UNSECURED 11/35 4.85%	170,000	166,491	161,627
HALLIBURTON CO SR UNSECURED 11/45 5%	10,000	9,422	8,937
HALSEYPOINT CLO LTD. HLSY 2021 4A A 144A	1,100,000	1,102,086	1,101,212
HAMILTON PROJECTS ACQUIROR LLC 2024 TERM LOAN B due 05/22/31	115,748	115,482	116,417
HANESBRANDS INC COMPANY GUAR 144A 02/31 9%	2,726,000	2,746,100	2,905,591
HANESBRANDS INC COMPANY GUAR 144A 05/26 4.875%	157,000	152,325	154,562
HANESBRANDS INC. 2023 TERM LOAN B due 03/08/30	354,970	353,442	357,632
HARBOR FREIGHT TOOLS USA INC 2024 TERM LOAN B due 06/11/31	523,438	522,222	515,685
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 10 2A1B	224,046	142,493	143,048
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 16 X1	4,673,629	38,871	47
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 16 X3	6,121,604	37,300	61
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 2 X	799,552	(78,683)	8
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 3 X2	835,100	1,260	8
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 5 2A1B	66,808	39,710	57,189
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 9 2A1A	345	310	322
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2005 9 B2	2,002,044	1,795,160	1,778,614
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2006 1 X1	1,553,306	17,931	16
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2006 5 X2	3,981,439	48,475	40
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2006 7 2A1A	419,109	270,043	356,479
HARBORVIEW MORTGAGE LOAN TRUST HVMLT 2007 4 2A1	1,273,401	1,177,083	1,180,530

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
HARLEY DAVIDSON MOTORCYCLE TRU HDMOT 2024 B A2	2,300,000	2,299,997	2,302,751
HARVEST MIDSTREAM I LP SR UNSECURED 144A 09/28 7.5%	140,000	137,506	141,234
HARVEST US CLO LTD HARUS 2024 1A D	1,500,000	1,540,099	1,539,372
HAT HOLDINGS I LLC/HAT COMPANY GUAR 144A 06/26 3.375%	868,000	865,128	841,070
HAT HOLDINGS I LLC/HAT COMPANY GUAR 144A 06/27 8%	190,000	190,000	198,018
HAT HOLDINGS I LLC/HAT COMPANY GUAR 144A 09/30 3.75%	2,000,000	1,785,168	1,762,358
HAWAII HOTEL TRUST 2019 MAUI HHT 2019 MAUI C 144A	3,790,000	3,786,459	3,790,000
HAZINE MUSTESARLIGI VARL SR UNSECURED 144A 01/29 8.5091%	670,000	670,000	714,715
HAZINE MUSTESARLIGI VARL SR UNSECURED REGS 01/29 8.5091%	443,000	443,000	472,565
HCA INC COMPANY GUAR 02/27 4.5%	720,000	725,647	713,164
HCA INC COMPANY GUAR 02/29 5.875%	1,780,000	1,818,593	1,816,551
HCA INC COMPANY GUAR 03/27 3.125%	1,259,000	1,260,311	1,211,411
HCA INC COMPANY GUAR 03/29 3.375%	3,401,000	3,263,467	3,157,856
HCA INC COMPANY GUAR 03/52 4.625%	1,460,000	1,168,954	1,137,573
HCA INC COMPANY GUAR 04/31 5.45	5,630,000	5,614,633	5,619,453
HCA INC COMPANY GUAR 04/34 5.6%	1,000,000	1,009,908	985,348
HCA INC COMPANY GUAR 06/25 7.69%	90,000	91,095	91,056
HCA INC COMPANY GUAR 06/26 5.25%	520,000	537,938	521,290
HCA INC COMPANY GUAR 06/28 5.2%	2,453,000	2,446,701	2,458,471
HCA INC COMPANY GUAR 06/29 4.125%	932,000	887,154	889,034
HCA INC COMPANY GUAR 06/47 5.5%	700,000	821,771	637,580
HCA INC COMPANY GUAR 07/31 2.375%	34,000	29,878	28,239
HCA INC COMPANY GUAR 07/51 3.5%	5,563,000	3,868,539	3,604,355
HCA INC COMPANY GUAR 09/28 5.625%	875,000	928,562	886,588
HCA INC COMPANY GUAR 09/30 3.5%	10,936,000	9,987,684	9,936,662
HCA INC COMPANY GUAR 09/34 5.45%	1,671,000	1,658,177	1,627,290
HCA INC COMPANY GUAR 09/54 5.95%	537,000	536,676	511,551
HEALTH CARE SERVICE CORP SR UNSECURED 144A 06/25 1.5%	11,328,000	11,141,500	11,172,270
HEALTHCARE RLTY HLDGS LP COMPANY GUAR 03/31 2.05%	350,000	347,988	283,576
HEALTHQUITY INC COMPANY GUAR 144A 10/29 4.5%	752,000	749,180	704,994
HEALTHPEAK OP LLC COMPANY GUAR 02/27 1.35%	652,000	636,781	607,745
HEATHROW FINANCE PLC SR SECURED REGS 03/27 VAR	200,000	231,236	238,833
HEATHROW FINANCE PLC SR SECURED REGS 03/31 6.625	300,000	386,409	377,599
HECLA MINING CO COMPANY GUAR 02/28 7.25%	525,000	526,210	528,309
HEIDELBERG MATERIALS FIN COMPANY GUAR REGS 11/33 4.875%	400,000	486,211	453,135
HEIMSTADEN BOSTAD TRESRY COMPANY GUAR 03/27 1.375%	100,000	91,946	99,005
HELIOS SOFT/ION CORP SOL SR SECURED 144A 05/28 4.625%	789,000	785,677	724,170
HELIOS SOFT/ION CORP SOL SR SECURED 144A 05/29 8.75	1,595,000	1,602,239	1,630,999
HELIOS SOFT/ION CORP SOL SR SECURED REGS 05/29 7.875%	230,000	255,933	243,807
HENLEY FUNDING LTD. HNLY 10X D REGS	100,000	106,885	104,888
HERC HOLDINGS INC COMPANY GUAR 144A 06/29 6.625	491,000	491,000	497,221
HERC HOLDINGS INC COMPANY GUAR 144A 07/27 5.5%	588,000	578,502	580,522
HERENS HOLDCO SARL SR SECURED 144A 05/28 4.75%	984,000	935,710	907,935
HERITAGE POWER LLC 2023 EXIT TERM LOAN due 07/20/26	58,191	58,191	57,318
HESS CORP SR UNSECURED 04/47 5.8%	133,000	127,260	133,296
HESS MIDSTREAM OPERATION COMPANY GUAR 144A 02/26 5.625	107,000	106,948	106,649
HESS MIDSTREAM OPERATION COMPANY GUAR 144A 02/30 4.25	2,000	1,885	1,844
HESS MIDSTREAM OPERATION COMPANY GUAR 144A 06/28 5.125	2,000	1,968	1,945
HESS MIDSTREAM OPERATION COMPANY GUAR 144A 10/30 5.5%	1,146,000	1,118,927	1,108,069
HIGHTOWER HOLDING LLC SR UNSECURED 144A 01/30 9.125%	887,000	887,000	934,237
HIH TRUST HIH 2024 61P D 144A	995,000	992,535	998,107
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 02/29 5.75%	1,466,000	1,432,559	1,398,635
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 02/31 6%	359,000	362,620	332,002
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 02/35 7.25%	671,000	670,734	630,824
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 04/30 6%	35,000	33,743	32,893
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 04/32 6.25%	198,000	197,974	182,163
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 05/34 6.875	1,452,000	1,409,819	1,353,336
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 11/28 6.25%	314,000	302,632	304,079
HILCORP ENERGY I/HILCORP SR UNSECURED 144A 11/33 8.375%	514,000	514,387	524,687
HILLENBRAND INC COMPANY GUAR 02/29 6.25	1,264,000	1,266,496	1,263,107
HILTON DOMESTIC OPERATIN COMPANY GUAR 01/30 4.875%	288,000	295,133	276,252

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
HILTON DOMESTIC OPERATIN COMPANY GUAR 144A 02/32 3.625%	727,000	718,090	631,459
HILTON DOMESTIC OPERATIN COMPANY GUAR 144A 03/33 5.875%	2,221,000	2,221,000	2,185,395
HILTON DOMESTIC OPERATIN COMPANY GUAR 144A 04/29 5.875%	1,480,000	1,480,000	1,477,417
HILTON DOMESTIC OPERATIN COMPANY GUAR 144A 04/32 6.125%	1,514,000	1,532,000	1,509,739
HILTON DOMESTIC OPERATIN COMPANY GUAR 144A 05/25 5.375%	700,000	700,000	696,543
HILTON DOMESTIC OPERATIN COMPANY GUAR 144A 05/28 5.75%	401,000	402,749	400,909
HILTON DOMESTIC OPERATIN COMPANY GUAR 144A 05/31 4%	1,280,000	1,279,547	1,151,157
HILTON GRAND VAC BOR ESC COMPANY GUAR 144A 07/31 4.875%	1,695,000	1,558,624	1,517,274
HILTON GRAND VAC BOR ESC SR SECURED 144A 01/32 6.625	790,000	788,708	792,497
HILTON GRAND VAC BOR ESC SR UNSECURED 144A 06/29 5%	2,440,000	2,348,991	2,299,186
HILTON GRAND VACATINS BRWR LLC 2021 TERM LOAN B due 08/02/28	198,320	199,470	198,841
HILTON GRAND VACATIONS BORROWR 2024 INCREMENTAL TERM LOAN B due 01/17/31	846,625	848,112	848,479
HILTON GRAND VACATIONS TRUST HGVT 2024 1B A 144A	819,782	820,421	817,394
HILTON GRAND VACATIONS TRUST HGVT 2024 1B B 144A	758,684	759,259	770,663
HILTON USA TRUST HILT 2016 HHV C 144A	450,000	481,883	437,109
HILTON USA TRUST HILT 2016 SFP D 144A	8,000,000	7,948,753	894,037
HILTON WORLDWIDE FIN LLC COMPANY GUAR 04/27 4.875	5,000	4,973	4,932
HLF FIN SARL LLC/HERBALI COMPANY GUAR 144A 06/29 4.875%	1,425,000	1,322,260	997,500
HLF FIN SARL LLC/HERBALI SR SECURED 144A 04/29 12.25	310,000	302,545	323,906
HOAG MEMORIAL HOSPITAL UNSECURED 07/52 3.803%	74,000	67,918	56,185
HOLOGIC INC COMPANY GUAR 144A 02/29 3.25	1,108,000	1,015,237	1,002,009
HOME DEPOT INC SR UNSECURED 03/31 1.375%	454,000	376,006	367,758
HOME DEPOT INC SR UNSECURED 03/51 2.375%	261,000	161,022	147,978
HOME DEPOT INC SR UNSECURED 04/27 2.5%	280,000	268,817	267,909
HOME DEPOT INC SR UNSECURED 04/30 2.7%	310,000	282,652	279,120
HOME DEPOT INC SR UNSECURED 04/32 3.25%	730,000	670,365	651,366
HOME DEPOT INC SR UNSECURED 04/40 3.3%	380,000	307,978	296,330
HOME DEPOT INC SR UNSECURED 04/50 3.35%	110,000	80,893	76,815
HOME DEPOT INC SR UNSECURED 06/47 3.9%	100,000	82,358	78,289
HOME DEPOT INC SR UNSECURED 06/54 5.3%	480,000	473,691	460,413
HOME DEPOT INC SR UNSECURED 06/64 5.4	138,000	137,113	132,490
HOME DEPOT INC SR UNSECURED 12/25 5.1	21,599,000	21,742,403	21,744,474
HOME DEPOT INC SR UNSECURED 12/28 3.9%	40,000	39,338	38,981
HOME EQUITY ASSET TRUST HEAT 2005 3 M5	756,998	757,194	746,585
HOMEWARD OPPORTUNITIES FUND I HOF 2022 1 A1 144A	337,512	334,080	333,927
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 3 A3	3,165,000	3,164,540	3,167,448
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 4 A2	2,998,000	2,997,811	2,999,332
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 4 A3	3,209,000	3,208,564	3,193,304
HONEYWELL INTERNATIONAL SR UNSECURED 03/35 5	530,000	533,928	519,714
HONEYWELL INTERNATIONAL SR UNSECURED 03/54 5.25%	180,000	174,644	168,863
HONEYWELL INTERNATIONAL SR UNSECURED 03/64 5.35%	113,000	113,946	106,150
HONEYWELL INTERNATIONAL SR UNSECURED 05/32 3.75%	1,321,000	1,422,399	1,403,680
HONO MORTGAGE TRUST HONO 2021 LULU A 144A	280,000	275,545	275,800
HOST HOTELS + RESORTS LP SR UNSECURED 12/31 2.9%	392,000	387,831	333,736
HOUSTON GALLERIA MALL TRUST HGMT 2015 HGLR A1A2 144A	758,000	726,312	754,144
HOUSTON GALLERIA MALL TRUST HGMT 2015 HGLR D 144A	500,000	499,380	493,829
HOWARD HUGHES CORP COMPANY GUAR 144A 02/29 4.125%	750,000	747,909	693,034
HOWARD HUGHES CORP COMPANY GUAR 144A 02/31 4.375%	1,325,000	1,319,860	1,192,957
HOWARD HUGHES CORP COMPANY GUAR 144A 08/28 5.375%	86,000	87,224	83,541
HOWARD MIDSTREAM ENERGY SR UNSECURED 144A 07/28 8.875%	2,050,000	2,050,000	2,153,047
HOWARD MIDSTREAM ENERGY SR UNSECURED 144A 07/32 7.375	275,000	278,690	279,365
HOWDEN GROUP HOLDINGS LTD 2024 USD 1ST LIEN TERM LOAN B due 02/15/31	1,321,064	1,321,064	1,328,567
HOWDEN UK REFINANCE / US SR SECURED 144A 02/31 7.25	1,790,000	1,796,445	1,819,055
HOWDEN UK REFINANCE / US SR UNSECURED 144A 02/32 8.125	880,000	880,000	898,729
HP ENTERPRISE CO SR UNSECURED 07/28 5.25%	660,000	665,869	666,541
HP ENTERPRISE CO SR UNSECURED 10/34 5%	1,126,000	1,115,848	1,083,008
HP ENTERPRISE CO SR UNSECURED 10/45 6.35%	71,000	75,682	73,946
HP INC SR UNSECURED 04/29 4%	535,000	534,205	512,830
HPS LOAN MANAGEMENT LTD HLM 2023 18A D 144A	1,025,000	1,025,000	1,029,429
HPS LOAN MANAGEMENT LTD HLM 2024 20A C 144A	250,000	250,000	253,388
HPS LOAN MANAGEMENT LTD HLM 2024 20A D1 144A	250,000	250,000	254,351

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
HSBC HOLDINGS PLC JR SUBORDINA 12/99 VAR	850,000	850,000	751,028
HSBC HOLDINGS PLC JR SUBORDINA REGS 12/99 VAR	400,000	426,165	409,023
HSBC HOLDINGS PLC SR UNSECURED 03/26 4.3%	2,405,000	2,394,015	2,392,136
HSBC HOLDINGS PLC SR UNSECURED 03/28 VAR	330,000	324,046	323,017
HSBC HOLDINGS PLC SR UNSECURED 03/30 4.95%	400,000	399,708	395,933
HSBC HOLDINGS PLC SR UNSECURED 03/30 VAR	2,100,000	2,103,258	2,114,692
HSBC HOLDINGS PLC SR UNSECURED 04/26 VAR	227,000	220,838	224,760
HSBC HOLDINGS PLC SR UNSECURED 05/32 VAR	4,822,000	4,326,539	4,098,068
HSBC HOLDINGS PLC SR UNSECURED 06/26 VAR	200,000	197,386	197,650
HSBC HOLDINGS PLC SR UNSECURED 06/29 VAR	1,920,000	1,944,907	1,880,881
HSBC HOLDINGS PLC SR UNSECURED 06/31 VAR	2,600,000	2,600,000	2,282,495
HSBC HOLDINGS PLC SR UNSECURED 07/27 VAR	1,520,000	1,673,365	1,808,576
HSBC HOLDINGS PLC SR UNSECURED 08/27 VAR	1,000,000	1,000,000	1,014,729
HSBC HOLDINGS PLC SR UNSECURED 08/31 VAR	4,350,000	4,350,000	3,705,305
HSBC HOLDINGS PLC SR UNSECURED 11/30 VAR	6,290,000	6,290,000	6,248,511
HSBC HOLDINGS PLC SR UNSECURED REGS 09/26 VAR	200,000	216,650	208,160
HSBC HOLDINGS PLC SR UNSECURED REGS 11/26 VAR	1,155,000	1,370,569	1,410,696
HSBC HOLDINGS PLC SUBORDINATED 03/33 VAR	2,610,000	2,550,268	2,450,338
HSBC HOLDINGS PLC SUBORDINATED 05/36 6.5%	5,937,000	6,207,142	6,171,174
HSBC USA INC SR UNSECURED 03/25 5.625	9,490,000	9,492,653	9,507,376
HSI ASSET SECURITIZATION CORPO HASC 2005 11 2A4	791,317	790,239	748,918
HT TROPLAST AG SR SECURED REGS 07/28 9.375%	144,000	158,130	157,649
HTL COMMERCIAL MORTGAGE TRUST HTL 2024 T53 A 144A	1,700,000	1,699,901	1,708,711
HUB INTERNATIONAL LIMITED 2024 1ST LIEN TERM LOAN B due 06/20/30	1,929,919	1,929,919	1,939,569
HUB INTERNATIONAL LTD SR SECURED 144A 06/30 7.25%	1,603,000	1,614,943	1,642,675
HUB INTERNATIONAL LTD SR UNSECURED 144A 01/32 7.375	180,000	180,000	182,818
HUB INTERNATIONAL LTD SR UNSECURED 144A 12/29 5.625%	1,347,000	1,326,690	1,306,511
HUDBAY MINERALS INC COMPANY GUAR 144A 04/26 4.5%	699,000	693,747	689,013
HUDBAY MINERALS INC COMPANY GUAR 144A 04/29 6.125%	959,000	975,787	959,547
HUDSON PACIFIC PROPRTIE COMPANY GUAR 01/30 3.25%	325,000	332,636	221,151
HUDSON RIVER TRADING LLC 2024 TERM LOAN B due 03/18/30	2,802,815	2,794,121	2,809,822
HUDSON YARDS HY 2019 30HY D 144A	450,000	481,088	397,466
HUMANA INC SR UNSECURED 02/27 1.35	65,000	59,925	60,442
HUMANA INC SR UNSECURED 02/32 2.15%	130,000	106,583	103,568
HUMANA INC SR UNSECURED 03/27 3.95	201,000	195,278	197,138
HUMANA INC SR UNSECURED 03/28 5.75%	524,000	539,465	533,502
HUMANA INC SR UNSECURED 03/34 5.95	360,000	372,917	362,547
HUMANA INC SR UNSECURED 03/53 5.5%	47,000	45,363	42,016
HUMANA INC SR UNSECURED 04/25 4.5%	80,000	79,923	79,887
HUMANA INC SR UNSECURED 10/44 4.95%	30,000	26,822	25,509
HUMANA INC SR UNSECURED 12/42 4.625%	120,000	104,094	98,741
HUNGARIAN DEVELOPMENT BA GOVT GUARANT REGS 06/28 6.5	408,000	417,324	414,180
HUNGARY GOVERNMENT BOND BONDS 03/28 4.5%	187,100,000	361,678	445,164
HUNGARY GOVERNMENT BOND BONDS 06/25 5.5	229,050,000	618,978	576,634
HUNGARY GOVERNMENT BOND BONDS 08/30 3%	513,540,000	1,781,528	1,104,366
HUNGARY GOVERNMENT BOND BONDS 10/27 3%	62,260,000	224,602	143,595
HUNGARY GOVERNMENT BOND BONDS 10/28 6.75%	92,280,000	370,830	234,717
HUNGARY GOVERNMENT BOND BONDS 10/35 7	223,020,000	697,425	577,727
HUNGARY GOVERNMENT BOND BONDS 10/38 3%	59,710,000	159,245	98,593
HUNGARY GOVERNMENT BOND BONDS 11/32 4.75%	220,480,000	500,984	493,124
HUNGARY SR UNSECURED 03/41 7.625%	1,936,000	2,673,635	2,145,891
HUNGARY SR UNSECURED 144A 03/36 5.5	3,181,000	3,117,802	2,976,487
HUNGARY SR UNSECURED 144A 05/28 6.125%	210,000	211,663	213,503
HUNGARY SR UNSECURED 144A 06/34 5.5%	890,000	857,958	848,286
HUNGARY SR UNSECURED 144A 09/31 2.125%	350,000	268,036	277,433
HUNGARY SR UNSECURED 144A 09/32 6.25%	840,000	855,523	856,296
HUNGARY SR UNSECURED 144A 09/51 3.125%	385,000	237,704	225,225
HUNGARY SR UNSECURED REGS 02/27 5%	385,000	409,634	412,740
HUNGARY SR UNSECURED REGS 05/28 6.125%	920,000	925,935	935,347
HUNGARY SR UNSECURED REGS 09/31 2.125%	1,642,000	1,331,983	1,301,558
HUNGARY SR UNSECURED REGS 09/33 5.375%	1,531,000	1,709,011	1,712,188

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
HUNGARY SR UNSECURED REGS 09/51 3.125%	1,165,000	747,366	681,525
HUNGARY SR UNSECURED REGS 09/52 6.75%	539,000	500,577	547,640
HUNT COS INC SR SECURED 144A 04/29 5.25%	3,320,000	3,157,856	3,146,859
HUNTINGTON AUTO TRUST HUNT 2024 1A A2 144A	612,953	613,061	615,144
HUNTINGTON BANCSHARES JR SUBORDINA 12/99 VAR	774,000	764,235	754,196
HUNTINGTON BANCSHARES SR UNSECURED 02/35 VAR	1,840,000	1,843,678	1,839,016
HUNTINGTON BANCSHARES SR UNSECURED 05/25 4%	2,375,000	2,374,553	2,368,177
HUNTINGTON INGALLS INDUS COMPANY GUAR 12/27 3.483	97,000	92,219	93,150
HUNTSMAN INTERNATIONAL L SR UNSECURED 06/31 2.95%	700,000	669,209	583,009
HUSKY INJECTION / TITAN SR SECURED 144A 02/29 9	900,000	900,000	939,605
HUTAMA KARYA PERSERO PT GOVT GUARANT 144A 05/30 3.75%	300,000	320,046	277,432
HYATT HOTELS CORP SR UNSECURED 04/25 5.375	82,000	81,903	82,049
HYATT HOTELS CORP SR UNSECURED 06/34 5.5	1,902,000	1,881,251	1,889,534
HYATT HOTELS CORP SR UNSECURED 12/31 5.375%	1,000,000	997,493	995,287
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 A A2A	5,589,887	5,589,836	5,608,620
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 B A2A	4,032,000	4,047,127	4,046,776
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 C A2A	4,554,000	4,553,743	4,555,788
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 C A3	3,255,000	3,254,772	3,241,209
HYUNDAI CAPITAL AMERICA SR UNSECURED 144A 06/26 5.45%	3,000,000	3,022,618	3,020,588
HYUNDAI CAPITAL AMERICA SR UNSECURED 144A 09/26 1.65%	1,057,000	1,001,868	1,000,163
HYUNDAI CAPITAL AMERICA SR UNSECURED 144A 09/26 5.95%	3,527,000	3,588,464	3,591,212
HYUNDAI CAPITAL AMERICA SR UNSECURED 144A 10/25 1.8%	5,468,000	5,341,241	5,331,334
HYUNDAI CAPITAL AMERICA SR UNSECURED 144A 11/25 6.25%	1,600,000	1,623,759	1,615,556
IBERDROLA FINANZAS SAU COMPANY GUAR REGS 09/35 3.375%	300,000	315,961	308,373
IBM CORP SR UNSECURED 07/25 4	3,000,000	2,981,160	2,987,918
ICAHN ENTERPRISES/FIN COMPANY GUAR 02/29 4.375%	200,000	200,000	167,056
ICAHN ENTERPRISES/FIN COMPANY GUAR 05/26 6.25%	180,000	177,491	178,332
ICAHN ENTERPRISES/FIN SR SECURED 01/29 9.75%	250,000	251,258	251,466
ICON LUXEMBOURG SARL 2024 LUX TERM LOAN B due 07/03/28	103,038	103,196	103,682
IDEMIA GROUP 2024 TERM LOAN B5 due 09/30/28	198,500	199,338	200,485
IDERA INC 2024 TERM LOAN due 03/02/28	198,488	198,488	194,568
IHO VERWALTUNGS GMBH SR SECURED 144A 05/29 6.375%	90,000	92,489	86,546
IHO VERWALTUNGS GMBH SR SECURED 144A 11/30 7.75%	1,090,000	1,090,000	1,088,334
IHO VERWALTUNGS GMBH SR SECURED 144A 11/32 8%	1,575,000	1,580,333	1,585,238
IHO VERWALTUNGS GMBH SR SECURED REGS 05/28 8.75%	100,000	111,275	109,245
II VI INCORPORATED 2024 TERM LOAN B due 07/02/29	398,635	398,635	399,050
ILIAD HOLDING SAS SR SECURED 144A 04/31 8.5	4,384,000	4,511,995	4,660,913
ILIAD HOLDING SAS SR SECURED 144A 04/32 7%	1,080,000	1,080,363	1,085,464
ILIAD HOLDING SAS SR SECURED 144A 10/28 7%	1,667,000	1,670,437	1,689,289
ILIAD HOLDING SAS SR SECURED REGS 04/30 5.375%	100,000	105,865	106,501
ILIAD HOLDING SAS SR SECURED REGS 04/31 6.875	300,000	331,236	333,162
ILIAD SA SR UNSECURED REGS 02/29 5.375%	300,000	323,702	328,605
ILIAD SA SR UNSECURED REGS 02/30 5.625%	100,000	106,659	111,408
ILIAD SA SR UNSECURED REGS 06/27 5.375%	100,000	105,275	108,306
ILLINOIS ST ILS 02/35 FIXED 6.63%	490,769	515,500	508,746
ILLINOIS ST ILS 06/33 FIXED 5.1%	8,202,353	8,005,789	8,086,619
ILLINOIS ST ILS 07/35 FIXED 7.35%	891,786	970,952	950,778
ILLUMINATE BUYER/HLDG SR UNSECURED 144A 07/28 9%	442,000	425,610	447,543
ILPT COMMERCIAL MORTGAGE TRUST ILPT 2022 LPF2 A 144A	2,260,000	2,261,410	2,266,356
IMA INDUSTRIA MACCHINE SR SECURED REGS 01/28 3.75%	100,000	100,437	101,752
IMA INDUSTRIA MACCHINE SR SECURED REGS 04/29 VAR	200,000	214,162	208,140
IMCD NV COMPANY GUAR REGS 03/27 2.125%	1,366,000	1,408,794	1,378,926
IMCD NV COMPANY GUAR REGS 04/30 3.625%	450,000	495,285	466,160
IMCD NV COMPANY GUAR REGS 09/28 4.875%	220,000	234,669	239,016
IMOLA MERGER CORP SR SECURED 144A 05/29 4.75%	605,000	589,150	573,716
IMPAC CMB TRUST IMM 2004 4 1A1	284,606	281,735	282,537
IMPAC CMB TRUST IMM 2004 6 1A2	356,303	355,929	354,434
IMPAC CMB TRUST IMM 2005 2 1A1	625,806	616,571	604,882
IMPAC CMB TRUST IMM 2005 4 1A1B	783,922	761,444	736,435
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 02/30 5.5	3,350,000	3,340,527	3,386,282
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/25 4.25%	9,200,000	9,212,207	9,152,696

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/27 6.125%	1,325,000	1,317,351	1,360,685
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/29 3.875%	3,700,000	3,719,152	3,496,140
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/34 5.875	975,000	970,307	971,910
INDIA CLEANTECH ENERGY SECURED 144A 08/26 4.7%	205,250	205,470	199,359
INDIA GOVERNMENT BOND SR UNSECURED 05/36 7.54%	118,860,000	1,477,677	1,453,766
INDIA GOVERNMENT BOND SR UNSECURED 06/53 7.3%	301,490,000	3,730,013	3,647,136
INDIA GOVERNMENT BOND SR UNSECURED 07/37 7.18%	118,860,000	1,440,264	1,420,763
INDIA GOVERNMENT BOND SR UNSECURED 09/52 7.36%	81,840,000	1,010,771	989,622
INDIAN RAILWAY FINANCE SR UNSECURED 144A 01/32 3.57%	200,000	200,000	179,090
INDIAN RAILWAY FINANCE SR UNSECURED 144A 02/31 2.8%	210,000	210,000	181,923
INDIANAPOLIS PWR + LIGHT 1ST MORTGAGE 144A 04/54 5.7	2,845,000	2,804,591	2,798,766
INDONESIA GOVERNMENT BONDS 02/31 6.5%	1,833,000,000	123,521	110,679
INDONESIA GOVERNMENT BONDS 02/33 7%	10,285,000,000	690,861	636,635
INDONESIA GOVERNMENT BONDS 02/34 6.625%	27,545,000,000	1,698,887	1,664,064
INDONESIA GOVERNMENT BONDS 03/34 8.375%	10,514,000,000	839,281	709,047
INDONESIA GOVERNMENT BONDS 04/27 5.125%	10,599,000,000	673,641	631,482
INDONESIA GOVERNMENT BONDS 04/29 6.875%	2,212,000,000	141,711	136,652
INDONESIA GOVERNMENT BONDS 04/31 7.75%	10,658,000,000	794,627	684,622
INDONESIA GOVERNMENT BONDS 04/40 7.5%	42,031,000,000	3,051,433	2,700,795
INDONESIA GOVERNMENT BONDS 05/27 7%	15,985,000,000	1,054,480	991,477
INDONESIA GOVERNMENT BONDS 05/29 8.25%	23,235,000,000	1,768,259	1,506,919
INDONESIA GOVERNMENT BONDS 05/31 8.75%	15,075,000,000	1,213,171	1,015,940
INDONESIA GOVERNMENT BONDS 05/36 8.25%	20,379,000,000	1,538,753	1,376,276
INDONESIA GOVERNMENT BONDS 06/25 6.5	17,893,000,000	1,099,253	1,109,477
INDONESIA GOVERNMENT BONDS 06/35 7.5%	10,133,000,000	748,344	647,114
INDONESIA GOVERNMENT BONDS 06/38 7.125%	12,042,000,000	807,593	748,602
INDONESIA GOVERNMENT BONDS 07/35 6.75%	21,550,000,000	1,373,637	1,312,465
INDONESIA GOVERNMENT BONDS 08/28 6.375%	7,285,000,000	478,732	443,373
INDONESIA GOVERNMENT BONDS 09/30 7%	20,094,000,000	1,447,003	1,245,004
INDY US BIDCO LLC 2024 USD TERM LOAN due 03/06/28	640,894	640,566	645,700
INDYMAC INDX MORTGAGE LOAN TRU INDX 2005 AR12 2A1B	64,327	47,792	50,635
INDYMAC INDX MORTGAGE LOAN TRU INDX 2005 AR12 AX2	958,889	37,885	10
INDYMAC INDX MORTGAGE LOAN TRU INDX 2006 FLX1 A1	293,804	233,200	271,109
INDYMAC INDX MORTGAGE LOAN TRU INDX 2007 FLX3 A1	966,559	945,521	877,238
INEOS FINANCE PLC SR SECURED 144A 04/29 7.5	783,000	786,526	801,541
INEOS FINANCE PLC SR SECURED 144A 05/28 6.75%	150,000	148,211	151,487
INEOS FINANCE PLC SR SECURED REGS 04/29 6.375	200,000	216,893	217,037
INEOS QUATTRO FINANCE 2 SR SECURED 144A 03/29 9.625%	670,000	682,154	707,493
INEOS QUATTRO FINANCE 2 SR SECURED REGS 03/29 8.5%	200,000	215,203	221,597
INEOS QUATTRO FINANCE 2 SR SECURED REGS 04/30 6.75%	201,000	219,973	215,801
INEOS QUATTRO HOLDINGS UK LTD 2023 USD 1ST LIEN TERM LOAN B due 04/02/29	1,621,795	1,587,001	1,631,931
INFORMA PLC COMPANY GUAR REGS 10/34 3.625%	240,000	260,069	247,826
INFORMATICA LLC 2024 TERM LOAN B due 10/27/28	486,250	486,250	487,869
INFRASTRUTTURE WIRELESS SR UNSECURED REGS 10/28 1.625%	100,000	101,669	97,837
ING GROEP NV JR SUBORDINA 12/49 VAR	200,000	196,048	199,997
ING GROEP NV JR SUBORDINA 12/99 VAR	200,000	146,934	181,665
ING GROEP NV JR SUBORDINA VAR	200,000	179,207	197,362
ING GROEP NV SR UNSECURED REGS 02/31 VAR	800,000	790,677	767,849
ING GROEP NV SR UNSECURED REGS 05/29 VAR	600,000	664,150	648,830
ING GROEP NV SR UNSECURED REGS 09/30 VAR	1,300,000	1,391,792	1,360,977
INGERSOLL RAND INC SR UNSECURED 06/27 5.197	515,000	514,989	521,027
INGERSOLL RAND INC SR UNSECURED 06/29 5.176	483,000	482,992	487,952
INGERSOLL RAND INC SR UNSECURED 06/31 5.314	534,000	533,988	539,692
INGERSOLL RAND INC SR UNSECURED 06/34 5.45	619,000	618,669	623,342
INGEVITY CORP COMPANY GUAR 144A 11/28 3.875%	574,000	549,703	524,781
INGLES MARKETS INC SR UNSECURED 144A 06/31 4	50,000	44,326	44,271
INMAR INC 2023 TERM LOAN due 10/30/31	274,313	272,972	274,740
INNOPHOS HLDGS INC 06/29 11.5%	315,000	305,880	325,253
INNOPHOS INC 2024 TERM LOAN B due 03/05/29	149,607	148,111	149,537
INSTALLED BUILDING PRODU COMPANY GUAR 144A 02/28 5.75%	707,000	681,288	695,327
ISTITUTO COSTARRICENSE SR UNSECURED 144A 10/31 6.75%	200,000	198,666	200,524

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
INSTRUCTURE HOLDINGS INC 2024 2ND LIEN TERM LOAN due 11/12/32	340,000	341,700	344,675
INSTRUCTURE HOLDINGS INC 2024 TERM LOAN due 11/13/31	864,241	859,989	866,670
INTEL CORP SR UNSECURED 02/30 5.125%	340,000	342,441	337,045
INTEL CORP SR UNSECURED 02/33 5.2%	1,550,000	1,546,253	1,498,936
INTEL CORP SR UNSECURED 02/34 5.15	437,000	435,802	419,367
INTEL CORP SR UNSECURED 02/60 3.1%	688,000	427,897	368,184
INTEL CORP SR UNSECURED 02/63 5.9%	520,000	514,578	469,897
INTEL CORP SR UNSECURED 03/25 3.4	16,086,000	16,017,480	16,030,405
INTEL CORP SR UNSECURED 03/50 4.75%	7,335,000	6,210,669	5,674,998
INTEL CORP SR UNSECURED 07/25 3.7	10,000,000	9,918,809	9,933,232
INTEL CORP SR UNSECURED 08/28 1.6%	440,000	391,791	388,139
INTEL CORP SR UNSECURED 08/51 3.05%	120,000	72,326	68,508
INTEL CORP SR UNSECURED 08/52 4.9%	1,167,000	998,765	922,781
INTEL CORP SR UNSECURED 11/49 3.25%	695,000	458,293	415,517
INTEL CORP SR UNSECURED 12/47 3.734%	32,000	22,559	21,127
INTELLIGENT PACKAGING SR SECURED 144A 09/28 6%	1,235,000	1,228,307	1,215,556
INTELSAT JACKSON HLDG SR SECURED 144A 03/30 6.5%	2,483,000	2,422,396	2,290,251
INTER AMERICAN DEVEL BK SR UNSECURED 04/33 7%	79,000,000	940,419	923,109
INTER AMERICAN DEVEL BK SR UNSECURED 06/25 7%	3,350,000	3,420,491	3,387,764
INTER AMERICAN DEVEL BK SR UNSECURED 09/31 3.625%	2,550,000	2,540,841	2,410,056
INTER AMERICAN DEVEL BK SR UNSECURED 10/30 7.35%	128,000,000	1,571,987	1,506,958
INTER AMERICAN INVEST CO SR UNSECURED 02/29 4.25	2,195,000	2,190,250	2,168,995
INTER MEDIA COMMUNICATIO SR SECURED REGS 02/27 6.75%	172,918	186,858	182,212
INTERCONTINENTALEXCHANGE SR UNSECURED 06/29 4.35%	1,710,000	1,708,822	1,673,902
INTERCORP PERU LTD SR UNSECURED 144A 08/29 3.875%	200,000	189,249	180,383
INTERFACE INC COMPANY GUAR 144A 12/28 5.5%	1,927,000	1,879,213	1,883,660
INTERNATIONAL GAME TECH SR SECURED 144A 01/27 6.25%	200,000	198,574	201,257
INTERNATIONAL PETROLEUM COMPANY GUAR 144A REGS 02/27 7%	800,000	799,593	788,000
INTERSTATE POWER + LIGHT SR UNSECURED 09/34 4.95%	1,300,000	1,297,389	1,250,387
INTESA SANPAOLO SPA JR SUBORDINA REGS 12/99 VAR	200,000	206,077	207,297
INTESA SANPAOLO SPA SUBORDINATED 144A 01/26 5.71%	200,000	201,102	200,007
INTESA SANPAOLO SPA SUBORDINATED 144A 06/32 VAR	250,000	181,146	217,424
INTESA SANPAOLO SPA SUBORDINATED REGS 06/30 5.148%	300,000	329,049	359,525
INTL BK RECON + DEVELOP SR UNSECURED 04/28 6.85%	114,500,000	1,372,498	1,326,810
INTL BK RECON + DEVELOP SR UNSECURED 08/34 3.875%	2,100,000	2,087,287	1,968,567
INTL BK RECON + DEVELOP SR UNSECURED 10/25 0.5%	32,920,000	32,913,885	31,885,409
INTL BK RECON + DEVELOP SR UNSECURED 10/29 3.875%	3,360,000	3,351,570	3,273,659
INTL BK RECON + DEVELOP UNSECURED 09/30	4,885,000	4,485,339	3,700,261
INTL FLAVOR + FRAGRANCES SR UNSECURED 144A 10/27 1.832%	1,350,000	1,350,001	1,239,669
INTUIT INC SR UNSECURED 07/27 1.35%	400,000	399,861	369,024
INV 2024 IND MORTGAGE TRUST INV 2024 IND A 144A	1,110,000	1,107,238	1,109,653
INVESCO FINANCE PLC COMPANY GUAR 01/26 3.75%	4,024,000	3,986,250	3,981,757
INVESCO SENIOR LOAN ETF INVESCO SENIOR LOAN ETF	123,730	2,615,556	2,606,991
INVITATION HOMES OP COMPANY GUAR 11/28 2.3%	550,000	549,596	496,358
INVITATION HOMES TRUST IHSFR 2024 SFR1 C 144A	600,000	566,363	559,593
ION TRADING TECHNOLOGIES SR SECURED 144A 05/28 5.75%	421,000	421,000	397,830
ION TRADING TECHNOLOGIES SR SECURED 144A 05/29 9.5	1,453,000	1,463,973	1,523,712
IPALCO ENTERPRISES INC SR SECURED 04/34 5.75%	1,000,000	997,471	1,001,943
IPD 3 BV SR SECURED 144A 06/31 VAR	1,100,000	1,193,226	1,141,770
IQVIA INC COMPANY GUAR 144A 05/30 6.5%	1,112,000	1,143,861	1,131,539
IQVIA INC COMPANY GUAR 144A 10/26 5%	640,000	637,614	631,379
IRB HOLDING CORP 2024 1ST LIEN TERM LOAN B due 12/15/27	759,257	759,651	759,424
IRB HOLDING CORP 2024 TERM LOAN B due 12/15/27	292,469	289,977	292,534
IRCA SPA SR SECURED REGS 12/29 VAR	124,000	131,087	129,750
IRIDIUM SATELLITE LLC 2024 TERM LOAN B due 09/20/30	847,943	847,449	843,941
IRON MOUNTAIN INC COMPANY GUAR 144A 01/33 6.25%	1,234,000	1,234,000	1,229,072
IRON MOUNTAIN INC COMPANY GUAR 144A 02/29 7	282,000	289,392	288,138
IRON MOUNTAIN INC COMPANY GUAR 144A 02/31 4.5	8,000	7,258	7,314
IRON MOUNTAIN INC COMPANY GUAR 144A 03/28 5.25%	163,000	164,411	159,448
IRON MOUNTAIN INC COMPANY GUAR 144A 07/28 5%	90,000	91,393	87,004
IRON MOUNTAIN INC COMPANY GUAR 144A 07/30 5.25%	262,000	266,486	250,095

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
IRON MOUNTAIN INC COMPANY GUAR 144A 07/32 5.625	894,000	850,472	854,006
IRON MOUNTAIN INC COMPANY GUAR 144A 09/27 4.875%	805,000	780,206	784,898
IRON MOUNTAIN INC COMPANY GUAR 144A 09/29 4.875%	670,000	675,351	636,776
IRON MOUNTAIN INFO MGMT COMPANY GUAR 144A 07/32 5	6,000	5,429	5,525
IRON MOUNTAIN, INC. 2023 TERM LOAN B due 01/31/31	797,985	802,891	796,740
ISHARES IBOXX HIGH YIELD COR ISHARES IBOXX HIGH YLD CORP	7,000	541,194	550,550
ISHARES IBOXX INVESTMENT GRA ISHARES IBOXX INVESTMENT GRA	6,500	696,110	694,460
ISLAMIC REP OF PAKISTAN SR UNSECURED 144A 04/31 7.375%	1,225,000	950,235	1,023,510
ISLAMIC REP OF PAKISTAN SR UNSECURED 144A 04/51 8.875%	350,000	359,825	271,556
ISLAMIC REP OF PAKISTAN SR UNSECURED 144A 09/25 8.25%	864,000	858,037	849,312
ISLAMIC REP OF PAKISTAN SR UNSECURED 144A 12/27 6.875	900,000	767,974	811,114
ISLAMIC REP OF PAKISTAN SR UNSECURED REGS 04/26 6	1,100,000	1,016,915	1,033,688
ISLAMIC REP OF PAKISTAN SR UNSECURED REGS 04/51 8.875%	521,000	337,385	404,231
ISLAMIC REP OF PAKISTAN SR UNSECURED REGS 12/27 6.875%	500,000	455,330	450,619
ISTANBUL METROPOLITAN MU SR UNSECURED 144A 12/28 10.5%	390,000	390,000	422,300
ITT HOLDINGS LLC SR UNSECURED 144A 08/29 6.5%	339,000	335,139	310,334
IVANTI SOFTWARE, INC. 2021 TERM LOAN B due 12/01/27	242,531	240,765	166,134
IVORY COAST SR UNSECURED 144A 01/32 4.875%	5,033,000	5,276,354	4,579,757
IVORY COAST SR UNSECURED 144A 01/33 7.625	690,000	680,239	674,518
IVORY COAST SR UNSECURED 144A 01/37 8.25	475,000	474,314	461,425
IVORY COAST SR UNSECURED 144A 03/28 6.375%	1,345,000	1,360,259	1,333,553
IVORY COAST SR UNSECURED 144A 03/30 5.25%	250,000	313,961	244,117
IVORY COAST SR UNSECURED 144A 06/33 6.125%	1,795,000	1,683,661	1,598,792
IVORY COAST SR UNSECURED REGS 01/32 4.875%	1,100,000	1,369,177	1,000,940
IVORY COAST SR UNSECURED REGS 01/33 7.625%	764,000	753,289	746,858
IVORY COAST SR UNSECURED REGS 01/37 8.25%	626,000	614,679	608,109
IVORY COAST SR UNSECURED REGS 03/28 6.375%	1,375,000	1,378,211	1,363,297
IVORY COAST SR UNSECURED REGS 03/30 5.25%	1,400,000	1,473,432	1,367,053
IVORY COAST SR UNSECURED REGS 06/33 6.125%	2,304,000	2,081,650	2,050,583
IVORY COAST SR UNSECURED REGS 10/31 5.875%	200,000	202,696	193,806
J + J VENTURES GAMING LLC 2023 INCREMENTAL TERM LOAN B due 04/26/28	843,625	811,464	845,734
J.P. MORGAN ALTERNATIVE LOAN T JPALT 2007 A1 1A2A	241,138	0	235,840
J.P. MORGAN ALTERNATIVE LOAN T JPALT 2007 S1 A1	875,271	833,022	839,360
JACOBS ENTERTAINMENT INC SR UNSECURED 144A 02/29 6.75%	350,000	334,165	337,767
JAGUAR LAND ROVER AUTOMO COMPANY GUAR 144A 07/29 5.5%	765,000	763,166	742,161
JANE STREET GROUP LLC 2024 TERM LOAN B1 due 12/15/31	633,750	633,414	631,012
JANE STREET GRP/JSG FIN SR SECURED 144A 04/31 7.125	1,655,000	1,664,601	1,700,789
JANE STREET GRP/JSG FIN SR SECURED 144A 11/32 6.125%	2,100,000	2,100,000	2,080,451
JANNEY MONTGOMERY SCOTT LLC DELAYED DRAW TERM LOAN due 11/28/31	19,286	19,286	19,479
JANNEY MONTGOMERY SCOTT LLC TERM LOAN due 11/28/31	115,714	115,140	116,871
JAZZ FINANCING LUX SARL 2024 1ST LIEN TERM LOAN B due 05/05/28	520,935	520,935	521,946
JAZZ SECURITIES DAC SR SECURED 144A 01/29 4.375%	478,000	461,550	450,688
JB POINDEXTER + CO INC SR UNSECURED 144A 12/31 8.75%	1,835,000	1,848,101	1,931,398
JDE PEET S NV COMPANY GUAR 144A 01/27 1.375%	675,000	673,289	626,466
JEFFERIES FIN LLC / JFIN SR SECURED 144A 10/31 6.625%	200,000	200,000	199,683
JEFFERIES FIN LLC / JFIN SR UNSECURED 144A 08/28 5%	200,000	197,088	187,607
JEFFERIES FINANCE LLC 2024 TERM LOAN due 10/21/31	1,855,645	1,837,377	1,861,453
JEFFERIES GMBH SR SECURED REGS 07/26 VAR	700,000	757,680	722,675
JEFFERSON CAPITAL HOLDIN COMPANY GUAR 144A 08/26 6%	275,000	275,000	274,478
JEFFERSON CAPITAL HOLDIN SR UNSECURED 144A 02/29 9.5	175,000	175,000	185,371
JELD WEN INC COMPANY GUAR 144A 09/32 7%	985,000	984,931	914,159
JELD WEN INC COMPANY GUAR 144A 12/27 4.875	720,000	688,779	681,273
JERROLD FINCO PLC SR SECURED REGS 01/27 5.25%	100,000	131,326	123,424
JERSEY CENTRAL PWR + LT SR UNSECURED 144A 01/35 5.1%	1,435,000	1,427,586	1,401,245
JETBLUE AIRWAYS CORP PASS THRU CE 05/34 4%	295,301	306,539	277,511
JETBLUE AIRWAYS/LOYALTY SR SECURED 144A 09/31 9.875%	950,000	989,397	1,009,268
JM SMUCKER CO SR UNSECURED 11/28 5.9%	1,250,000	1,249,607	1,295,168
JM SMUCKER CO SR UNSECURED 11/33 6.2%	1,373,000	1,398,982	1,448,940
JOHN DEERE CAPITAL CORP SR UNSECURED 07/28 4.95%	1,583,000	1,581,775	1,598,291
JOHN DEERE CAPITAL CORP SR UNSECURED 10/25 VAR	1,047,000	1,048,526	1,049,168
JOHN DEERE CAPITAL CORP SR UNSECURED REGS 07/32 3.45%	410,000	442,326	435,211

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
JOHN DEERE OWNER TRUST JDOT 2023 B A3	373,000	372,957	374,952
JOHN DEERE OWNER TRUST JDOT 2024 A A2A	4,127,306	4,127,127	4,129,308
JOHN DEERE OWNER TRUST JDOT 2024 A A3	1,173,000	1,172,945	1,177,828
JOHN DEERE OWNER TRUST JDOT 2024 C A2A	3,889,000	3,888,637	3,880,114
JOHNSON CONTROLS/TYCO FI SR UNSECURED 12/32 4.9%	350,000	345,756	340,916
JOHNSONVILLE AERO COMBST SR SECURED 10/54 5.078%	405,000	405,000	388,949
JOURNEY PERSONAL CARE CORP 2024 TERM LOAN B due 03/01/28	760,829	760,829	760,114
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2018 AON D 144A	2,500,000	2,587,195	1,199,999
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2018 ASH8 A 144A	2,040,506	2,023,865	2,027,116
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2021 MHC A 144A	878,754	857,691	878,479
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2021 MHC B 144A	565,000	562,821	564,825
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2021 MHC D 144A	160,000	160,000	160,200
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2022 ACB A 144A	490,000	490,611	491,225
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2022 OPO B 144A	1,150,000	1,176,981	1,028,259
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2022 OPO D 144A	100,000	95,554	80,271
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2024 IGLG A 144A	1,160,000	1,155,961	1,154,314
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2024 IGLG D 144A	240,000	239,164	238,939
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2024 OMNI A 144A	270,000	277,386	273,264
JP MORGAN MORTGAGE TRUST JPMMT 2004 A2 4A1	137,992	141,334	140,399
JP MORGAN MORTGAGE TRUST JPMMT 2018 4 A1 144A	122,946	110,737	108,574
JP MORGAN MORTGAGE TRUST JPMMT 2018 5 A1 144A	401,234	360,510	353,494
JP MORGAN MORTGAGE TRUST JPMMT 2019 1 A3 144A	301,050	302,824	275,991
JP MORGAN MORTGAGE TRUST JPMMT 2019 7 A11 144A	38,704	38,704	36,708
JP MORGAN MORTGAGE TRUST JPMMT 2019 INV2 A11 144A	102,676	102,477	98,011
JP MORGAN MORTGAGE TRUST JPMMT 2019 INV3 A11 144A	94,321	94,135	90,155
JP MORGAN MORTGAGE TRUST JPMMT 2019 LTV3 A11 144A	8,502	8,451	8,444
JP MORGAN MORTGAGE TRUST JPMMT 2019 LTV3 A5 144A	11,013	11,159	10,854
JP MORGAN MORTGAGE TRUST JPMMT 2020 8 A11 144A	238,420	238,413	224,473
JP MORGAN MORTGAGE TRUST JPMMT 2020 LTV1 A11 144A	8,386	8,386	8,328
JP MORGAN MORTGAGE TRUST JPMMT 2021 1 A3A 144A	818,416	706,217	625,275
JP MORGAN MORTGAGE TRUST JPMMT 2021 13 A15 144A	1,272,305	1,266,755	1,007,789
JP MORGAN MORTGAGE TRUST JPMMT 2021 14 A12 144A	483,893	469,431	461,198
JP MORGAN MORTGAGE TRUST JPMMT 2021 5 A4 144A	39,148	34,978	34,610
JP MORGAN MORTGAGE TRUST JPMMT 2021 7 A5 144A	2,643,750	2,073,180	1,727,648
JP MORGAN MORTGAGE TRUST JPMMT 2022 INV3 A3B 144A	745,439	703,191	616,639
JP MORGAN MORTGAGE TRUST JPMMT 2023 10 A6 144A	709,425	699,721	710,274
JP MORGAN MORTGAGE TRUST JPMMT 2023 DSC1 A1 144A	1,188,107	1,140,592	1,152,481
JP MORGAN MORTGAGE TRUST JPMMT 2024 2 A3 144A	456,319	451,944	455,285
JP MORGAN MORTGAGE TRUST JPMMT 2024 2 A6A 144A	988,246	981,818	988,173
JP MORGAN MORTGAGE TRUST JPMMT 2024 4 A5A 144A	950,000	944,584	944,902
JP MORGAN MORTGAGE TRUST JPMMT 2024 4 A6A 144A	1,400,594	1,390,401	1,402,404
JP MORGAN MORTGAGE TRUST JPMMT 2024 9 A11 144A	1,210,833	1,210,828	1,214,072
JP MORGAN MORTGAGE TRUST JPMMT 2024 HE1 A1 144A	1,480,963	1,480,963	1,488,571
JPMBB COMMERCIAL MORTGAGE SECU JPMBB 2016 C1 A4	386,307	380,226	380,623
JPMORGAN CHASE + CO JR SUBORDINA 09/30 8.75%	4,200,000	4,337,617	4,925,655
JPMORGAN CHASE + CO JR SUBORDINA 12/99 VAR	2,370,000	2,369,859	2,358,522
JPMORGAN CHASE + CO SR UNSECURED 01/25 3.125	26,141,000	26,110,099	26,112,405
JPMORGAN CHASE + CO SR UNSECURED 01/27 VAR	2,950,000	2,950,000	2,927,071
JPMORGAN CHASE + CO SR UNSECURED 01/28 VAR	3,155,000	3,155,000	3,166,469
JPMORGAN CHASE + CO SR UNSECURED 01/30 VAR	3,680,000	3,691,174	3,676,308
JPMORGAN CHASE + CO SR UNSECURED 01/33 VAR	511,000	447,772	441,718
JPMORGAN CHASE + CO SR UNSECURED 01/35 VAR	705,000	705,000	701,769
JPMORGAN CHASE + CO SR UNSECURED 02/27 VAR	7,905,000	7,517,900	7,594,959
JPMORGAN CHASE + CO SR UNSECURED 02/28 VAR	8,983,000	9,077,621	8,793,179
JPMORGAN CHASE + CO SR UNSECURED 02/32 VAR	3,695,000	3,105,978	3,063,306
JPMORGAN CHASE + CO SR UNSECURED 03/26 VAR	750,000	742,289	745,662
JPMORGAN CHASE + CO SR UNSECURED 03/31 VAR	5,165,000	5,246,350	5,033,660
JPMORGAN CHASE + CO SR UNSECURED 04/26 VAR	840,000	832,041	832,774
JPMORGAN CHASE + CO SR UNSECURED 04/28 VAR	8,199,000	8,334,719	8,339,000
JPMORGAN CHASE + CO SR UNSECURED 04/29 VAR	2,520,000	2,465,028	2,443,702
JPMORGAN CHASE + CO SR UNSECURED 04/30 VAR	312,000	316,759	318,280

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
JPMORGAN CHASE + CO SR UNSECURED 04/31 VAR	3,590,000	3,475,061	3,161,058
JPMORGAN CHASE + CO SR UNSECURED 04/32 VAR	1,010,000	884,725	866,571
JPMORGAN CHASE + CO SR UNSECURED 04/33 VAR	2,715,000	2,555,521	2,605,484
JPMORGAN CHASE + CO SR UNSECURED 04/35 VAR	5,200,000	5,298,005	5,320,522
JPMORGAN CHASE + CO SR UNSECURED 04/51 VAR	967,000	677,258	641,529
JPMORGAN CHASE + CO SR UNSECURED 06/28 VAR	140,000	142,800	131,508
JPMORGAN CHASE + CO SR UNSECURED 07/28 VAR	3,063,000	3,078,010	3,073,255
JPMORGAN CHASE + CO SR UNSECURED 07/29 VAR	2,186,000	2,180,122	2,144,232
JPMORGAN CHASE + CO SR UNSECURED 07/30 VAR	11,280,000	11,324,185	11,235,791
JPMORGAN CHASE + CO SR UNSECURED 07/33 VAR	730,000	731,914	713,549
JPMORGAN CHASE + CO SR UNSECURED 07/35 VAR	1,211,000	1,230,405	1,198,077
JPMORGAN CHASE + CO SR UNSECURED 10/28 VAR	1,210,000	1,210,000	1,199,297
JPMORGAN CHASE + CO SR UNSECURED 10/29 VAR	748,000	748,000	775,738
JPMORGAN CHASE + CO SR UNSECURED 10/30 VAR	2,413,000	2,413,000	2,369,203
JPMORGAN CHASE + CO SR UNSECURED 10/35 VAR	1,905,000	1,842,567	1,835,127
JPMORGAN CHASE + CO SR UNSECURED 11/32 VAR	6,458,000	5,917,693	5,448,643
JPMORGAN CHASE + CO SR UNSECURED 11/41 VAR	1,230,000	1,230,000	834,069
JPMORGAN CHASE + CO SR UNSECURED 12/29 VAR	750,000	786,991	734,831
JPMORGAN CHASE + CO SR UNSECURED REGS 11/31 VAR	2,232,000	2,457,747	2,464,924
JPMORGAN CHASE + CO SUBORDINATED 05/31 VAR	4,350,000	4,223,604	3,891,307
JPMORGAN CHASE + CO SUBORDINATED 10/27 4.25%	1,950,000	1,966,093	1,935,415
JPN BANK FOR INT L COOP GOVT GUARANT 04/34 4.625	1,000,000	994,557	985,911
JW COMMERCIAL MORTGAGE TRUST 2 JW 2024 MRCO D 144A	260,000	259,367	260,795
K MAC HOLDINGS CORP 2021 TERM LOAN due 07/21/28	344,700	343,804	346,296
K MAC HOLDINGS CORP 2024 ADD ON TERM LOAN due 07/21/28	198,500	197,680	199,493
KAISA GROUP HOLDINGS LTD COMPANY GUAR REGS 01/23 11.5%	889,000	889,000	53,340
KAISA GROUP HOLDINGS LTD SR SECURED REGS 04/22 11.25%	675,000	675,000	40,500
KAISA GROUP HOLDINGS LTD SR SECURED REGS 06/22 8.5%	2,074,000	2,074,000	124,440
KAISA GROUP HOLDINGS LTD SR SECURED REGS 06/24 9.375%	1,600,000	1,600,000	98,000
KAISA GROUP HOLDINGS LTD SR SECURED REGS 06/26 11.65%	750,000	697,057	45,000
KAISA GROUP HOLDINGS LTD SR SECURED REGS 07/23 10.875%	1,185,000	1,239,030	71,100
KAISA GROUP HOLDINGS LTD SR SECURED REGS 10/22 11.95%	680,000	680,000	40,800
KAISA GROUP HOLDINGS LTD SR SECURED REGS 11/25 11.7%	1,208,000	1,171,798	72,480
KAISER ALUMINUM CORP COMPANY GUAR 144A 06/31 4.5%	1,303,000	1,174,210	1,148,596
KAISER FOUNDATION HOSPIT COMPANY GUAR 04/42 4.875%	590,000	699,192	546,176
KATAYMA CLO LTD KTAMA 2024 2A A1 144A	1,000,000	1,000,000	1,004,328
KAZMUNAYGAS NATIONAL CO SR UNSECURED 144A 04/47 5.75	200,000	167,835	172,489
KAZMUNAYGAS NATIONAL CO SR UNSECURED 144A 10/48 6.375%	3,880,000	3,891,884	3,603,550
KAZMUNAYGAS NATIONAL CO SR UNSECURED REGS 04/30 5.375%	200,000	186,432	194,500
KAZMUNAYGAS NATIONAL CO SR UNSECURED REGS 04/47 5.75%	200,000	160,346	172,489
KB HOME COMPANY GUAR 06/31 4%	420,000	418,229	370,809
KB HOME COMPANY GUAR 07/30 7.25%	140,000	138,532	143,539
KB HOME COMPANY GUAR 11/29 4.8%	500,000	521,154	471,338
KBC GROUP NV JR SUBORDINA REGS 12/99 VAR	200,000	240,734	227,810
KBC GROUP NV SR UNSECURED REGS 11/29 VAR	800,000	881,965	863,330
KBR INC 2024 1ST LIEN TERM LOAN B due 01/19/31	446,625	446,625	447,223
KBR INC COMPANY GUAR 144A 09/28 4.75%	250,000	240,535	239,705
KEHE DIST/FIN / NEXTWAVE SR SECURED 144A 02/29 9	675,000	687,901	699,442
KENBOURNE INVEST SA COMPANY GUAR 144A 01/28 4.7%	200,000	196,248	80,000
KENBOURNE INVEST SA COMPANY GUAR 144A 11/24 6.875%	200,000	200,000	81,234
KENNEDY WILSON INC COMPANY GUAR 02/30 4.75%	1,920,000	1,623,635	1,698,380
KENNEDY WILSON INC COMPANY GUAR 03/29 4.75%	1,795,000	1,680,803	1,623,457
KENVUE INC COMPANY GUAR 03/33 4.9%	360,000	362,005	354,141
KERING SR UNSECURED REGS 11/26 5.125%	900,000	1,119,624	1,131,556
KEURIG DR PEPPER INC COMPANY GUAR 04/52 4.5%	30,000	27,617	24,702
KEURIG DR PEPPER INC COMPANY GUAR 05/28 4.597%	1,825,000	1,809,719	1,808,955
KEY BANK NA SR UNSECURED 01/33 5%	828,000	808,194	794,337
KINDER MORGAN ENER PART COMPANY GUAR 01/38 6.95%	1,025,000	1,111,820	1,111,581
KINDER MORGAN ENER PART COMPANY GUAR 09/39 6.5%	900,000	1,045,243	941,422
KINDER MORGAN ENER PART COMPANY GUAR 09/44 5.4%	2,286,000	1,938,175	2,087,686
KINDER MORGAN INC COMPANY GUAR 02/29 5	166,000	167,233	165,473

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
KINDER MORGAN INC COMPANY GUAR 02/33 4.8	1,500,000	1,424,044	1,426,381
KINDER MORGAN INC COMPANY GUAR 02/46 5.05%	151,000	177,868	131,422
KINDER MORGAN INC COMPANY GUAR 03/28 4.3%	80,000	79,100	78,503
KINDER MORGAN INC COMPANY GUAR 03/48 5.2%	10,000	9,249	8,843
KINDER MORGAN INC COMPANY GUAR 06/25 4.3%	160,000	159,630	159,631
KINDER MORGAN INC COMPANY GUAR 08/31 7.8%	715,000	818,818	805,394
KINDER MORGAN INC COMPANY GUAR 08/52 5.45%	81,000	75,312	74,033
KINETIK HOLDINGS LP COMPANY GUAR 144A 06/30 5.875%	1,901,000	1,885,084	1,871,162
KINGDOM OF BAHRAIN SR UNSECURED 144A 01/33 5.25%	340,000	320,425	305,178
KINGDOM OF BAHRAIN SR UNSECURED 144A 05/30 7.375%	400,000	434,029	415,182
KINGDOM OF BAHRAIN SR UNSECURED 144A 09/29 6.75%	600,000	626,997	608,096
KINGDOM OF BAHRAIN SR UNSECURED 144A 09/31 5.625%	355,000	358,008	333,286
KINGDOM OF BAHRAIN SR UNSECURED 144A 10/28 7%	400,000	427,308	409,689
KINGDOM OF BAHRAIN SR UNSECURED REGS 02/36 7.5%	297,000	297,000	304,657
KINGDOM OF BAHRAIN SR UNSECURED REGS 09/32 5.45%	400,000	369,373	366,412
KINGDOM OF BAHRAIN SR UNSECURED REGS 09/47 7.5%	869,000	823,623	844,772
KINGDOM OF JORDAN SR UNSECURED 144A 01/26 6.125%	550,000	564,572	539,688
KINGDOM OF JORDAN SR UNSECURED 144A 01/28 7.75%	620,000	621,043	620,363
KINGDOM OF JORDAN SR UNSECURED 144A 01/29 7.5%	310,000	307,282	308,160
KINGDOM OF JORDAN SR UNSECURED 144A 10/47 7.375%	200,000	232,053	176,851
KINGDOM OF JORDAN SR UNSECURED REGS 07/25 4.95%	200,000	197,246	196,682
KINGDOM OF MOROCCO SR UNSECURED 144A 03/28 5.95%	900,000	893,085	906,582
KINGDOM OF MOROCCO SR UNSECURED 144A 09/33 6.5%	750,000	745,005	773,438
KINGDOM OF MOROCCO SR UNSECURED 144A 12/27 2.375%	400,000	359,036	365,256
KINGDOM OF MOROCCO SR UNSECURED 144A 12/32 3%	405,000	357,099	330,228
KINGDOM OF MOROCCO SR UNSECURED REGS 03/28 5.95%	334,000	337,835	336,443
KINGDOM OF MOROCCO SR UNSECURED REGS 12/32 3%	2,598,000	2,136,496	2,118,349
KINGDOM OF MOROCCO SR UNSECURED REGS 12/42 5.5%	400,000	419,603	355,000
KINGDOM OF MOROCCO SR UNSECURED REGS 12/50 4%	855,000	649,943	579,476
KKR FINANCIAL CLO LTD KKR 33A B 144A	1,450,000	1,404,469	1,457,798
KKR GROUP FIN CO II COMPANY GUAR 144A 02/43 5.5%	120,000	119,383	115,096
KKR GROUP FINAN CO VIII COMPANY GUAR 144A 08/50 3.5%	700,000	736,977	483,571
KLA CORP SR UNSECURED 02/34 4.7%	539,000	537,018	523,268
KLA CORP SR UNSECURED 07/32 4.65%	647,000	653,414	632,560
KLEOPATRA FINCO SARL SR SECURED REGS 03/26 4.25%	200,000	202,624	190,234
KNDR TRUST 2021 KIND KNDR 2021 KIND A 144A	803,293	794,787	795,423
KNIFE RIVER CORP SR UNSECURED 144A 05/31 7.75%	954,000	960,657	993,799
KNIGHT HEALTH HOLDINGS LLC TERM LOAN B due 12/23/28	1,232,609	1,183,324	760,520
KODIAK BUILDING PARTNERS INC 2024 TERM LOAN B due 12/04/31	25,862	25,734	25,853
KODIAK GAS SERVICES LLC COMPANY GUAR 144A 02/29 7.25	2,163,000	2,171,364	2,206,597
KONINKLIJKE KPN NV SUBORDINATED REGS 12/99 VAR	200,000	205,630	206,176
KONTOOR BRANDS INC COMPANY GUAR 144A 11/29 4.125%	175,000	175,000	161,164
KRAFT HEINZ FOODS CO COMPANY GUAR 04/30 3.75%	1,655,000	1,588,002	1,564,150
KRAFT HEINZ FOODS CO COMPANY GUAR 06/42 5%	1,500,000	1,592,962	1,349,583
KRAFT HEINZ FOODS CO COMPANY GUAR 06/46 4.375%	900,000	894,226	728,804
KRAFT HEINZ FOODS CO COMPANY GUAR 07/45 5.2%	3,500,000	3,764,079	3,165,607
KRAKEN OIL + GAS PARTNER SR UNSECURED 144A 08/29 7.625%	2,040,000	2,040,461	1,963,306
KROGER CO SR UNSECURED 09/34 5%	4,597,000	4,564,075	4,447,065
KROGER CO SR UNSECURED 09/54 5.5%	302,000	300,768	284,804
KRONOS ACQUISITION HOLD INC 2024 TERM LOAN due 07/08/31	598,500	592,923	563,524
KRONOS ACQUISITION HOLDI SR SECURED 144A 06/31 8.25	265,000	265,000	252,425
KRONOS ACQUISITION HOLDI SR UNSECURED 144A 06/32 10.75%	310,000	299,966	285,229
KRONOS INTERNATIONAL INC SR SECURED REGS 03/29 9.5%	100,000	119,780	113,804
KSL COMMERCIAL MORTGAGE TRUST KSL 2024 HT2 A 144A	110,000	109,725	109,828
KUBOTA CREDIT OWNER TRUST KCOT 2024 1A A3 144A	1,141,000	1,140,964	1,148,570
KUBOTA CREDIT OWNER TRUST KCOT 2024 2A A4 144A	1,349,000	1,348,853	1,358,694
KUEHG CORP 2024 1ST LIEN TERM LOAN B due 06/12/30	434,665	434,665	438,625
KUWAIT PROJECTS CO SPC L COMPANY GUAR REGS 10/26 4.229%	400,000	400,969	372,532
L3HARRIS TECH INC SR UNSECURED 01/27 5.4%	4,945,000	4,996,616	5,005,456
L3HARRIS TECH INC SR UNSECURED 06/28 4.4%	704,000	697,203	691,531
L3HARRIS TECH INC SR UNSECURED 07/33 5.4%	634,000	633,397	632,651

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
L3HARRIS TECH INC SR UNSECURED 07/53 5.6%	464,000	471,615	450,202
L3HARRIS TECH INC SR UNSECURED 12/26 3.85%	343,000	334,028	337,575
LABL INC SR SECURED 144A 10/31 8.625%	816,000	816,000	754,866
LABL INC SR SECURED 144A 11/28 5.875%	1,202,000	1,157,064	1,070,863
LABL INC SR SECURED 144A 11/28 9.5%	628,000	632,675	628,842
LABORATORY CORP OF AMER COMPANY GUAR 10/34 4.8%	602,000	585,855	570,645
LADDER CAP FIN LLLP/CORP COMPANY GUAR 144A 02/27 4.25%	334,000	324,535	322,058
LADDER CAP FIN LLLP/CORP COMPANY GUAR 144A 06/29 4.75%	1,014,000	978,418	956,163
LADDER CAP FIN LLLP/CORP COMPANY GUAR 144A 10/25 5.25%	549,000	541,076	549,743
LADDER CAP FIN LLLP/CORP SR UNSECURED 144A 07/31 7	302,000	302,246	309,442
LADDER CAPITAL COMMERCIAL MORT LCCM 2013 GCP XA 144A	11,063,424	566,421	322,836
LAM RESEARCH CORP SR UNSECURED 06/60 3.125%	108,000	70,561	66,241
LAMAR MEDIA CORP COMPANY GUAR 01/29 4.875%	182,000	178,020	174,846
LAMAR MEDIA CORP COMPANY GUAR 02/30 4%	128,000	130,560	116,533
LAMB WESTON HLD COMPANY GUAR 144A 01/30 4.125%	75,000	75,000	68,551
LAMB WESTON HLD COMPANY GUAR 144A 01/32 4.375%	480,000	459,874	434,324
LAMB WESTON HLD COMPANY GUAR 144A 05/28 4.875%	631,000	665,194	616,028
LANDSEA HOMES CORP SR UNSECURED 144A 04/29 8.875	250,000	250,000	249,776
LAS VEGAS SANDS CORP SR UNSECURED 06/25 2.9%	160,000	158,243	158,259
LAS VEGAS SANDS CORP SR UNSECURED 08/26 3.5	6,000	5,763	5,840
LAS VEGAS SANDS CORP SR UNSECURED 08/29 3.9	115,000	108,173	106,911
LAS VEGAS SANDS CORP SR UNSECURED 08/29 6	260,000	266,104	263,339
LAS VEGAS SANDS CORP SR UNSECURED 08/34 6.2	1,700,000	1,708,623	1,711,592
LATAM AIRLINES GROUP SA SR SECURED 144A 04/30 7.875%	70,000	70,000	70,865
LAZARD GROUP LLC SR UNSECURED 03/29 4.375%	700,000	697,486	681,840
LBA TRUST LBA 2024 7IND A 144A	1,310,000	1,306,763	1,310,819
LBA TRUST LBA 2024 BOLT A 144A	350,000	349,144	350,438
LBM ACQUISITION LLC 2024 INCREMENTAL TERM LOAN B due 06/06/31	73,604	73,604	72,876
LBM ACQUISITION LLC COMPANY GUAR 144A 01/29 6.25%	434,000	409,823	399,203
LCM INVESTMENTS HOLDINGS SR UNSECURED 144A 05/29 4.875%	355,000	348,370	331,482
LCM INVESTMENTS HOLDINGS SR UNSECURED 144A 08/31 8.25%	2,182,000	2,227,946	2,263,530
LCM LTD PARTNERSHIP LCM 18A A1R 144A	147,721	147,884	147,862
LCM LTD PARTNERSHIP LCM 29A BR 144A	1,545,000	1,545,000	1,546,039
LCM LTD PARTNERSHIP LCM 30A CR 144A	1,400,000	1,400,000	1,402,326
LD CELULOSE INTERNATIONA SR SECURED 144A 01/32 7.95%	200,000	199,530	200,578
LEEWARD RENEWABL COMPANY GUAR 144A 07/29 4.25%	50,000	42,954	45,763
LEGACY LIFEPOINT HEALTH SR SECURED 144A 02/27 4.375%	60,000	54,484	57,483
LEHMAN BROS CAP TR VII LIMITD GUARA 11/49 VAR	1,560,000	1,466,503	16
LEHMAN BROTHERS HOLDINGS SR UNSECURED 04/09 VAR	4,009	806	1
LEHMAN BROTHERS HOLDINGS SR UNSECURED 09/14 6.2%	1,010,000	1,004,977	222
LEHMAN BROTHERS HOLDINGS SR UNSECURED 10/08 VAR	4,009	806	1
LEHMAN BROTHERS HOLDINGS SR UNSECURED 11/09 VAR	43,886	8,828	10
LEHMAN BRTH HLD 11/56 5.857%	90,000	9	63
LEHMAN XS TRUST LXS 2005 6 1A1	255,382	240,267	201,217
LEIDOS INC COMPANY GUAR 02/31 2.3%	800,000	797,618	671,899
LENDMARK FUNDING TRUST LFT 2021 1A A 144A	610,000	609,926	571,568
LETRA TESOURO NACIONAL BILLS 01/28	33,245,000	4,046,736	3,462,429
LETRA TESOURO NACIONAL BILLS 01/30	71,189,000	7,079,447	5,597,622
LETRA TESOURO NACIONAL BILLS 07/25	7,400,000	1,158,506	1,122,689
LETRA TESOURO NACIONAL BILLS 07/26	7,000,000	1,035,338	909,818
LETRA TESOURO NACIONAL BILLS 07/27	34,512,000	4,977,316	3,872,035
LEVEL 3 FINANCING INC 2024 EXTENDED TERM LOAN B1 due 04/15/29	520,000	533,000	529,490
LEVEL 3 FINANCING INC COMPANY GUAR 144A 07/29 3.75%	1,616,000	1,074,026	1,249,927
LEVEL 3 FINANCING INC COMPANY GUAR 144A 09/27 4.625%	396,000	388,691	366,478
LEVEL 3 FINANCING INC SECURED 144A 04/31 4	3,994,790	3,439,997	3,145,897
LEVEL 3 FINANCING INC SECURED 144A 06/29 4.875%	225,000	180,866	195,750
LEVEL 3 FINANCING INC SECURED 144A 10/32 10%	3,061,557	3,037,332	3,061,557
LEVEL 3 FINANCING INC SR SECURED 144A 04/29 10.5	275,000	281,395	306,460
LEVEL 3 FINANCING INC SR SECURED 144A 05/30 10.5%	366,000	372,484	398,574
LEVEL 3 FINANCING INC SR SECURED 144A 11/29 11	2,700,569	2,733,296	3,037,922
LEVI STRAUSS + CO SR UNSECURED 144A 03/31 3.5%	150,000	125,357	131,175

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
Issuer Name	Par Value	Book Value	Market Value
LFS TOPCO LLC COMPANY GUAR 144A 10/26 5.875%	1,735,000	1,686,232	1,713,486
LG ELECTRONICS INC SR UNSECURED 144A 04/27 5.625	341,000	339,930	344,887
LGI HOMES INC COMPANY GUAR 144A 07/29 4%	20,000	17,903	17,900
LGI HOMES INC COMPANY GUAR 144A 11/32 7%	140,000	140,142	138,620
LHOME MORTGAGE TRUST LHOME 2024 RTL5 A1 144A	1,000,000	999,989	990,307
LIBERTY COSTA RICA SR SF SR SECURED 144A 01/31 10.875%	278,000	278,000	296,626
LIBERTY MUTUAL GROUP INC COMPANY GUAR 144A 12/51 VAR	410,000	410,000	390,145
LIFE FINANCIAL SERVICES TRUST LIFE 2021 BMR D 144A	594,851	594,851	585,928
LIFE FINANCIAL SERVICES TRUST LIFE 2021 BMR E 144A	436,224	426,910	425,318
LIFE TIME FITNESS INC 2024 TERM LOAN B due 11/05/31	143,000	143,095	143,393
LIFE TIME INC SR SECURED 144A 01/26 5.75%	950,000	939,866	949,016
LIFE TIME INC SR SECURED 144A 11/31 6%	1,842,000	1,842,000	1,823,591
LIFEPOINT HEALTH INC 2024 1ST LIEN TERM LOAN B due 05/17/31	1,647,625	1,644,734	1,652,205
LIFEPOINT HEALTH INC 2024 INCREMENTAL TERM LOAN B1 due 05/17/31	2,696,043	2,696,043	2,699,413
LIFEPOINT HEALTH INC COMPANY GUAR 144A 01/29 5.375%	907,000	905,893	795,130
LIFEPOINT HEALTH INC SR SECURED 144A 08/30 9.875%	1,197,000	1,212,973	1,291,156
LIFEPOINT HEALTH INC SR SECURED 144A 10/30 11%	766,000	775,900	840,742
LIFEPOINT HEALTH INC SR UNSECURED 144A 06/32 10	779,000	779,000	792,097
LIGHT + WONDER INTL INC COMPANY GUAR 144A 05/28 7	5,000	5,021	5,010
LIGHT + WONDER INTL INC COMPANY GUAR 144A 09/31 7.5%	2,386,000	2,390,823	2,456,814
LIGHT + WONDER INTL INC COMPANY GUAR 144A 11/29 7.25%	746,000	771,996	760,910
LIGHT + WONDR INTRNATIONAL INC 2024 TERM LOAN B2 due 04/14/29	825,790	827,734	828,003
LIGHTNING POWER LLC SR SECURED 144A 08/32 7.25%	2,266,000	2,293,508	2,329,781
LIGHTNING POWER LLC TERM LOAN B due 08/18/31	515,000	510,118	520,150
LIGHTSTONE HOLDCO LLC 2022 EXTENDED TERM LOAN B due 01/29/27	538,687	538,687	544,074
LIGHTSTONE HOLDCO LLC 2022 EXTENDED TERM LOAN C due 01/29/27	30,468	30,468	30,773
LINDBLAD EXPEDITIONS HO SR SECURED 144A 05/28 9	45,000	46,923	46,916
LINDBLAD EXPEDITIONS LLC SR SECURED 144A 02/27 6.75%	50,000	50,002	50,018
LION/POLARIS LUX 4 SA SR SECURED REGS 07/29 VAR	200,000	212,416	207,825
LITHIA MOTORS INC COMPANY GUAR 144A 01/31 4.375%	302,000	269,525	273,784
LITHIA MOTORS INC SR UNSECURED 144A 06/29 3.875	206,000	186,724	188,157
LITIGATION TRUST INTERESTS	9,128	4,564	4,564
LIVE NATION ENTERTAINMEN COMPANY GUAR 144A 03/26 5.625%	113,000	112,147	112,808
LIVE NATION ENTERTAINMEN COMPANY GUAR 144A 10/27 4.75%	215,000	215,659	207,861
LIVE NATION ENTERTAINMEN SR SECURED 144A 01/28 3.75%	852,000	789,225	803,467
LIVE NATION ENTERTAINMEN SR SECURED 144A 05/27 6.5%	503,000	513,221	508,527
LLOYDS BANKING GROUP PLC SR UNSECURED 01/35 VAR	1,000,000	1,000,000	996,104
LLOYDS BANKING GROUP PLC SR UNSECURED 05/25 4.45	42,992,000	42,820,507	42,914,035
LLOYDS BANKING GROUP PLC SR UNSECURED 06/30 VAR	1,750,000	1,761,397	1,780,142
LLOYDS BANKING GROUP PLC SR UNSECURED 08/28 4.55%	200,000	198,552	196,257
LLOYDS BANKING GROUP PLC SR UNSECURED 11/35 VAR	5,595,000	5,606,853	5,546,469
LLOYDS BANKING GROUP PLC SR UNSECURED REGS 01/26 VAR	1,200,000	1,375,259	1,500,911
LLOYDS BANKING GROUP PLC SUBORDINATED 03/26 4.65%	3,950,000	3,967,335	3,926,625
LLOYDS BANKING GROUP PLC SUBORDINATED 11/33 VAR	3,350,000	3,469,349	3,740,331
LOBEL AUTOMOBILE RECEIVABLES 10/28 8.31	871,000	870,912	891,213
LOCKHEED MARTIN CORP SR UNSECURED 01/26 3.55%	1,970,000	1,952,909	1,951,020
LOCKHEED MARTIN CORP SR UNSECURED 02/64 5.2	10,000	9,814	9,300
LOCKHEED MARTIN CORP SR UNSECURED 03/45 3.8%	192,000	168,583	151,490
LOCKHEED MARTIN CORP SR UNSECURED 05/28 4.45%	61,000	61,169	60,558
LOCKHEED MARTIN CORP SR UNSECURED 05/36 4.5%	190,000	184,002	178,329
LOCKHEED MARTIN CORP SR UNSECURED 06/32 3.9%	220,000	208,243	204,416
LOCKHEED MARTIN CORP SR UNSECURED 06/53 4.15%	1,020,000	857,768	816,473
LOCKHEED MARTIN CORP SR UNSECURED 08/34 4.8	766,000	751,333	743,606
LONG BEACH MORTGAGE LOAN TRUST LBMLT 2005 3 1A	987,709	982,677	975,208
LORCA TELECOM BOND CO SR SECURED REGS 04/29 5.75	157,000	166,993	171,104
LORCA TELECOM BOND CO SR SECURED REGS 09/27 4%	100,000	123,045	103,550
LOS ANGELES CA DEPT WTR PWR LOSUTL 07/45 FIXED 6.574%	445,000	638,579	482,352
LOTTOMATICA SPA/ROMA SR SECURED REGS 12/30 VAR	100,000	109,319	105,103
LOWE S COS INC SR UNSECURED 04/27 3.35%	310,000	309,893	301,118
LOWE S COS INC SR UNSECURED 04/32 3.75%	475,000	459,912	435,149
LOWE S COS INC SR UNSECURED 04/33 5%	825,000	794,651	812,526

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
LOWE S COS INC SR UNSECURED 04/52 4.25%	1,175,000	1,064,675	918,807
LOWE S COS INC SR UNSECURED 04/53 5.625%	681,000	700,444	655,440
LOWE S COS INC SR UNSECURED 04/62 4.45%	4,202,000	3,849,046	3,260,310
LOWE S COS INC SR UNSECURED 05/27 3.1%	275,000	264,166	265,825
LOWE S COS INC SR UNSECURED 05/47 4.05%	164,000	129,938	127,438
LOWE S COS INC SR UNSECURED 09/28 1.7%	1,600,000	1,568,537	1,431,743
LOWE S COS INC SR UNSECURED 10/30 1.7%	1,219,000	1,119,336	1,019,747
LOWE S COS INC SR UNSECURED 10/50 3	743,000	476,814	462,380
LOXAM SAS SR SECURED REGS 07/26 3.75%	300,000	316,267	309,485
LPL HOLDINGS INC COMPANY GUAR 144A 03/29 4%	740,000	745,265	701,075
LPL HOLDINGS INC COMPANY GUAR 144A 05/31 4.375%	300,000	309,436	276,772
LSF11 A5 HOLDCO LLC 2023 INCREMENTAL TERM LOAN B due 10/15/28	1,058,772	1,041,145	1,064,066
LSF11 A5 HOLDCO LLC 2024 TERM LOAN B due 10/15/28	1,147,732	1,149,632	1,153,470
LSF9 ATLANTIS HOLDINGS LLC 2024 1ST LIEN TERM LOAN B due 03/31/29	487,500	490,442	492,984
LUGO FUNDING DAC LUGO 2024 1A C 144A	400,000	418,396	398,833
LUMEN TECHNOLOGIES INC 2024 EXTENDED TERM LOAN B2 due 04/15/30	1,123,608	848,324	1,044,180
LUMEN TECHNOLOGIES INC SR SECURED 144A 04/29 4.125	214,482	165,080	193,500
LUMEN TECHNOLOGIES INC SR SECURED 144A 04/30 4.125	214,505	163,968	191,082
LUMEN TECHNOLOGIES, INC. 2024 TERM LOAN A due 06/01/28	46,476	46,476	46,476
LUMINENT MORTGAGE TRUST LUM 2006 3 11A2	232,820	30,247	171,268
LV TRUST LV 2024 SHOW B 144A	1,335,000	1,334,981	1,314,413
M/I HOMES INC COMPANY GUAR 02/28 4.95%	675,000	684,045	652,064
M+T BANK CORPORATION JR SUBORDINA 12/99 VAR	1,430,000	1,372,225	1,357,191
M+T BANK CORPORATION SR UNSECURED 01/29 VAR	524,000	524,000	521,645
M+T BANK CORPORATION SR UNSECURED 01/34 VAR	95,000	95,000	90,992
M+T BANK CORPORATION SR UNSECURED 01/36 VAR	510,000	510,000	494,499
M+T BANK CORPORATION SR UNSECURED 10/29 VAR	1,045,000	1,045,000	1,120,586
MACQUARIE AIRFINANCE HLD SR UNSECURED 144A 03/29 6.4	1,130,000	1,163,311	1,164,557
MACQUARIE AIRFINANCE HLD SR UNSECURED 144A 03/29 8.125%	496,000	495,616	524,549
MACQUARIE AIRFINANCE HLD SR UNSECURED 144A 05/28 8.375%	926,000	926,000	970,360
MACQUARIE BANK LTD SR UNSECURED 144A 01/25 2.3	4,500,000	4,492,544	4,494,122
MACQUARIE BANK LTD SR UNSECURED 144A 03/25 VAR	1,020,000	1,022,391	1,022,324
MACQUARIE BANK LTD SUBORDINATED 144A 03/36 VAR	1,000,000	1,000,000	855,234
MACY S RETAIL HLDGS LLC COMPANY GUAR 02/43 4.3%	1,039,000	699,376	720,777
MACY S RETAIL HLDGS LLC COMPANY GUAR 144A 03/30 5.875%	390,000	366,190	373,123
MACY S RETAIL HLDGS LLC COMPANY GUAR 144A 03/32 6.125%	147,000	135,857	138,002
MACY S RETAIL HLDGS LLC COMPANY GUAR 144A 04/29 5.875%	65,000	60,512	63,452
MADISON AVENUE TRUST MAD 2015 11MD D 144A	1,009,000	939,107	957,175
MADISON IAQ LLC SR SECURED 144A 06/28 4.125%	458,000	445,272	433,565
MADISON IAQ LLC SR UNSECURED 144A 06/29 5.875%	300,000	290,591	283,270
MADISON IAQ LLC TERM LOAN due 06/21/28	946,316	943,351	948,833
MADISON PARK FUNDING LTD MDPK 2015 19A AR3 144A	350,000	350,000	352,270
MADISON PARK FUNDING LTD MDPK 2016 21A ABRR 144A	1,250,000	1,250,000	1,256,515
MADISON PARK FUNDING LTD MDPK 2017 23A AR 144A	1,212,814	1,193,964	1,215,041
MADISON PARK FUNDING LTD MDPK 2017 23A BR 144A	250,000	250,000	250,502
MADISON PARK FUNDING LTD MDPK 2017 23A CR 144A	1,000,000	1,000,000	1,002,606
MADISON PARK FUNDING LTD MDPK 2018 28A BR 144A	1,800,000	1,800,000	1,800,000
MADISON PARK FUNDING LTD MDPK 2018 29A BR 144A	2,100,000	2,100,000	2,104,667
MADISON PARK FUNDING LTD MDPK 2018 31A B1R 144A	250,000	250,000	251,346
MADISON PARK FUNDING LTD MDPK 2019 33A AR 144A	1,450,000	1,450,000	1,451,828
MADISON PARK FUNDING LTD MDPK 2021 38A B 144A	250,000	243,992	251,050
MADISON PARK FUNDING LTD MDPK 2021 38A C 144A	250,000	250,000	250,379
MADISON PARK FUNDING LTD MDPK 2021 59A D1AR 144A	250,000	250,000	253,900
MADISON SAFETY + FLOW LLC 2024 TERM LOAN B due 09/26/31	26,022	25,959	26,192
MAF GLOBAL SECURITIES COMPANY GUAR REGS 12/99 VAR	200,000	192,607	198,919
MAGNERA CORP SR SECURED 144A 11/31 7.25%	838,000	836,065	818,098
MAGNETITE CLO LTD MAGNE 2020 25A A 144A	590,221	590,345	591,344
MAGNOLIA OIL GAS/MAG FIN COMPANY GUAR 144A 12/32 6.875%	1,445,000	1,445,000	1,430,506
MAGYAR EXPORT IMPORT BAN GOVT GUARANT 144A 12/27 6.125%	615,000	614,379	619,608
MAGYAR EXPORT IMPORT BAN GOVT GUARANT REGS 05/29 6%	211,000	225,286	235,760
MAGYAR EXPORT IMPORT BAN GOVT GUARANT REGS 12/27 6.125	412,000	415,925	415,087

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
MAHLE GMBH COMPANY GUAR REGS 05/31 6.5	100,000	106,885	101,621
MAJORDRIVE HOLDINGS IV LLC TERM LOAN B due 06/01/28	387,000	386,646	376,497
MALAYSIA GOVERNMENT BONDS 03/25 3.882	7,534,000	1,600,058	1,686,917
MALAYSIA GOVERNMENT BONDS 03/53 4.457	1,353,000	298,090	315,355
MALAYSIA GOVERNMENT BONDS 04/29 4.504%	7,322,000	1,787,899	1,694,405
MALAYSIA GOVERNMENT BONDS 04/30 4.498%	932,000	227,870	216,403
MALAYSIA GOVERNMENT BONDS 04/37 4.762%	2,934,000	737,664	707,443
MALAYSIA GOVERNMENT BONDS 05/35 4.254%	6,726,000	1,637,854	1,555,983
MALAYSIA GOVERNMENT BONDS 05/44 4.18%	2,736,000	601,760	619,579
MALAYSIA GOVERNMENT BONDS 06/38 4.893%	2,603,000	646,347	636,706
MALAYSIA GOVERNMENT BONDS 07/32 3.582%	3,059,000	703,259	673,511
MALAYSIA GOVERNMENT BONDS 07/34 3.828%	10,512,000	2,560,546	2,349,572
MALAYSIA GOVERNMENT BONDS 07/48 4.921%	3,135,000	847,323	782,133
MALAYSIA GOVERNMENT BONDS 09/25 3.955	10,517,000	2,237,603	2,362,599
MALAYSIA GOVERNMENT BONDS 10/42 4.696%	511,000	126,645	123,234
MALAYSIA GOVERNMENT BONDS 11/26 3.9%	1,110,000	270,835	250,399
MALAYSIA GOVERNMENT BONDS 11/33 4.642%	1,632,000	426,709	386,432
MALAYSIA INVESTMNT ISSUE BONDS 07/36 3.447%	854,000	192,922	182,393
MALAYSIA INVESTMNT ISSUE BONDS 08/43 4.291%	2,866,000	636,410	657,613
MALAYSIA INVESTMNT ISSUE BONDS 09/41 4.417%	574,000	129,750	134,107
MALAYSIA INVESTMNT ISSUE BONDS 10/30 3.465%	6,689,000	1,568,294	1,474,677
MALAYSIA INVESTMNT ISSUE BONDS 10/32 4.193%	200,000	45,597	45,855
MANHATTAN WEST OMW 2020 1MW D 144A	710,000	617,495	637,456
MANITOBA (PROVINCE OF) SR UNSECURED 05/34 4.9	3,180,000	3,171,512	3,165,313
MANITOWOC COMPANY INC SECURED 144A 10/31 9.25%	495,000	504,142	507,418
MARATHON PETROLEUM CORP SR UNSECURED 05/25 4.7%	4,035,000	4,040,712	4,030,483
MARBLE POINT CLO XXIII LTD. MP23 2021 4A D1 144A	250,000	250,000	251,449
MARINER FINANCE ISSUANCE TRUST MFIT 2021 AA A 144A	530,000	529,923	503,407
MARKET BIDCO FINCO PLC SR SECURED REGS 11/27 4.75%	100,000	103,455	101,220
MARKET BIDCO FINCO PLC SR SECURED REGS 11/27 5.5%	100,000	111,496	119,604
MARKS + SPENCER PLC SR UNSECURED REGS 07/27 4.5%	1,000,000	1,211,631	1,208,525
MARRIOTT INTERNATIONAL SR UNSECURED 04/29 4.9%	625,000	619,155	623,863
MARRIOTT INTERNATIONAL SR UNSECURED 05/29 4.875	606,000	599,775	603,729
MARRIOTT INTERNATIONAL SR UNSECURED 10/27 5%	1,050,000	1,044,741	1,058,481
MARRIOTT INTERNATIONAL SR UNSECURED 10/32 3.5%	900,000	895,550	794,173
MARRIOTT OWNERSHIP RESOR COMPANY GUAR 01/28 4.75%	1,229,000	1,193,017	1,180,876
MARRIOTT OWNERSHIP RESOR COMPANY GUAR 144A 06/29 4.5%	882,000	823,760	823,188
MARSH + MCLENNAN COS INC SR UNSECURED 03/25 3.5	10,702,000	10,667,532	10,681,018
MARSH + MCLENNAN COS INC SR UNSECURED 03/29 4.375%	875,000	874,879	859,623
MARSH + MCLENNAN COS INC SR UNSECURED 12/31 2.375	1,585,000	1,368,420	1,329,410
MARYLAND ST ECON DEV CORP MDSDEV 05/56 FIXED 5.433%	2,860,000	2,914,676	2,747,629
MASCO CORP SR UNSECURED 02/28 1.5%	500,000	499,621	450,500
MASCO CORP SR UNSECURED 05/47 4.5%	800,000	962,279	654,315
MASSMUTUAL GLOBAL FUNDIN SECURED 144A 08/25 4.15%	4,402,000	4,386,614	4,392,289
MASTEC INC COMPANY GUAR 144A 08/28 4.5%	310,000	312,180	300,587
MASTEC INC SR UNSECURED 144A 08/29 6.625%	224,000	224,338	224,560
MASTERBRAND INC COMPANY GUAR 144A 07/32 7	4,029,000	4,054,957	4,056,766
MASTERCARD INC SR UNSECURED 02/48 3.95%	91,000	75,069	73,031
MASTERCARD INC SR UNSECURED 03/50 3.85%	70,000	57,020	54,249
MASTERCARD INC SR UNSECURED 06/49 3.65%	236,000	184,045	178,315
MATADOR RESOURCES CO COMPANY GUAR 144A 04/28 6.875%	1,413,000	1,402,813	1,432,656
MATADOR RESOURCES CO COMPANY GUAR 144A 04/32 6.5	4,449,000	4,451,399	4,398,579
MATADOR RESOURCES CO COMPANY GUAR 144A 04/33 6.25%	371,000	371,000	359,544
MATCH GROUP HLD II LLC SR UNSECURED 144A 02/29 5.625%	483,000	465,212	469,018
MATCH GROUP HLD II LLC SR UNSECURED 144A 06/28 4.625%	786,000	737,495	748,495
MATCH GROUP HLD II LLC SR UNSECURED 144A 10/31 3.625%	573,000	527,257	488,985
MATCH GROUP HLD II LLC SR UNSECURED 144A 12/27 5%	114,000	109,951	110,253
MATIV HOLDINGS INC COMPANY GUAR 144A 10/29 8%	444,000	444,000	427,660
MATTAMY GROUP CORP SR UNSECURED 144A 03/30 4.625%	830,000	818,455	772,203
MATTAMY GROUP CORP SR UNSECURED 144A 12/27 5.25%	750,000	750,000	733,307
MAUSER PACKAGING SOLUT SR SECURED 144A 04/27 7.875	974,000	982,436	993,685

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
MAXIM CRANE WORKS LLC SECURED 144A 09/28 11.5%	3,344,000	3,301,401	3,536,307
MC BRAZIL DWNSTRM SR SECURED REGS 06/31 7.25%	1,173,824	984,867	974,841
MCAFFEE CORP SR UNSECURED 144A 02/30 7.375%	538,000	474,810	522,520
MCAFFEE LLC 2024 USD 1ST LIEN TERM LOAN B due 03/01/29	548,875	550,222	548,738
MCAFFEE LLC 2024 USD TERM LOAN B due 03/01/29	1,910,411	1,910,411	1,909,934
MCDONALD S CORP SR UNSECURED REGS 11/35 4.125%	250,000	270,535	270,348
MCGRAW HILL EDUCATION SR SECURED 144A 08/28 5.75%	220,000	208,250	214,800
MCGRAW HILL EDUCATION SR SECURED 144A 09/31 7.375%	377,000	377,000	385,812
MCGRAW HILL EDUCATION SR UNSECURED 144A 08/29 8%	400,000	386,352	400,009
MCGRAW HILL GLO EDU HLDG LLC 2024 TERM LOAN B due 08/06/31	659,540	661,467	666,412
MCKESSON CORP SR UNSECURED 12/25 0.9%	15,792,000	15,278,343	15,267,189
MCR MORTGAGE TRUST MCR 2024 HF1 A 144A	605,000	603,495	608,025
MCR MORTGAGE TRUST MCR 2024 TWA A 144A	100,000	99,994	100,880
MDGH GMTN RSC LTD COMPANY GUAR 144A 05/53 5.084%	200,000	200,000	183,355
MDGH GMTN RSC LTD COMPANY GUAR 144A 11/33 4.375%	200,000	185,619	187,880
MEDLINE BORROWER LP 2024 USD ADD ON TERM LOAN B due 10/23/28	2,792,036	2,794,551	2,799,547
MEDLINE BORROWER LP SR SECURED 144A 04/29 3.875%	3,394,000	3,173,517	3,142,800
MEDLINE BORROWER LP SR UNSECURED 144A 10/29 5.25%	3,832,000	3,591,236	3,698,125
MEDLINE BORROWER/MEDL CO SR SECURED 144A 04/29 6.25	3,305,000	3,308,615	3,339,848
MEDTRONIC GLOBAL HLDINGS COMPANY GUAR 07/49 1.75%	440,000	326,385	310,368
MEGLOBAL BV COMPANY GUAR REGS 11/26 4.25%	200,000	192,614	195,566
MEGLOBAL CANADA ULC COMPANY GUAR 144A 05/30 5.875%	300,000	344,794	306,077
MELCO RESORTS FINANCE SR UNSECURED 144A 04/32 7.625	245,000	248,150	245,878
MELLO MORTGAGE CAPITAL ACCEPTA MELLO 2022 INV2 A3 144A	968,113	934,804	806,937
MERCEDES BENZ AUTO LEASE TRUST MBALT 2024 B A2A	2,300,000	2,299,934	2,300,471
MERCEDES BENZ FIN NA COMPANY GUAR 144A 08/25 5.375%	1,000,000	1,003,529	1,003,897
MERCEDES BENZ FIN NA COMPANY GUAR 144A 11/25 5.375%	1,150,000	1,161,212	1,158,789
MERCER INTL INC SR UNSECURED 02/29 5.125%	1,105,000	1,091,313	949,655
MERCER INTL INC SR UNSECURED 144A 10/28 12.875%	100,000	102,865	107,645
MERLIN ENTERTAINMENTS GR SR SECURED 144A 02/31 7.375	778,000	778,000	751,110
MERRILL LYNCH MORTGAGE INVESTO MLMI 2005 A10 A	851,289	844,686	823,488
MET LIFE GLOB FUNDING I SECURED 144A 08/25 4.05%	14,220,000	14,135,296	14,181,755
MET LIFE GLOB FUNDING I SR SECURED 144A 03/25 2.8	3,246,000	3,226,934	3,233,642
MET TOWER GLOBAL FUNDING SECURED 144A 06/25 3.7	6,317,000	6,270,223	6,291,271
MET TOWER GLOBAL FUNDING SR SECURED 144A 04/29 5.25	1,228,000	1,263,272	1,243,876
MET TOWER GLOBAL FUNDING SR SECURED 144A 10/27 4%	1,627,000	1,626,987	1,599,737
MET TRANSPRTN AUTH NY DEDICATE MTATRN 11/39 FIXED 7.336%	985,000	1,329,559	1,151,261
MET TRANSPRTN AUTH NY REVENUE MTATRN 11/49 FIXED 5.175%	90,000	93,816	77,297
MET WTR DIST OF STHRN CA WTRWK METWTR 07/37 ADJUSTABLE VAR	5,700,000	5,700,000	5,700,000
META PLATFORMS INC SR UNSECURED 05/63 5.75%	193,000	197,123	195,217
META PLATFORMS INC SR UNSECURED 08/27 3.5%	1,032,000	1,030,892	1,008,914
META PLATFORMS INC SR UNSECURED 08/32 3.85%	1,735,000	1,734,712	1,612,964
META PLATFORMS INC SR UNSECURED 08/34 4.75%	570,000	570,636	555,179
META PLATFORMS INC SR UNSECURED 08/54 5.4%	2,568,000	2,557,831	2,488,477
META PLATFORMS INC SR UNSECURED 08/62 4.65	925,000	806,288	788,125
META PLATFORMS INC SR UNSECURED 08/64 5.55%	3,867,000	3,866,452	3,785,861
METHANEX CORP SR UNSECURED 12/29 5.25	2,000	1,940	1,927
METHANEX US OPERATIONS COMPANY GUAR 144A 03/32 6.25%	1,205,000	1,196,583	1,192,168
METIS MERGER SUB LLC SR UNSECURED 144A 05/29 6.5%	2,138,000	2,098,443	2,039,804
METLIFE INC JR SUBORDINA 12/66 6.4%	130,000	135,403	132,493
METLIFE INC SR UNSECURED 11/25 3.6%	11,693,000	11,619,061	11,595,516
METRONET INFRASTRUCTURE ISSUER MNET 2022 1A A2 144A	1,582,029	1,512,378	1,604,446
METRONET INFRASTRUCTURE ISSUER MNET 2023 1A A2 144A	420,000	430,116	428,627
MEX BONOS DESARR FIX RT BONDS 05/31 7.75%	158,840,000	7,807,683	6,802,479
MEX BONOS DESARR FIX RT BONDS 11/36 10%	10,490,000	600,378	489,110
MEX BONOS DESARR FIX RT SR UNSECURED 05/29 8.5%	92,510,000	4,602,667	4,211,182
MEX BONOS DESARR FIX RT SR UNSECURED 11/34 7.75%	72,540,000	3,638,854	2,911,194
MEX BONOS DESARR FIX RT SR UNSECURED 11/42 7.75%	8,550,000	357,958	314,992
MEXICAN UDIBONOS BONDS 08/34 4%	66,749,105	2,901,640	2,845,145
MEXICAN UDIBONOS BONDS 11/31 2.75	8,340,909	437,005	337,182
MEXICO CITY ARPT TRUST SR SECURED 144A 04/28 3.875%	670,000	652,022	627,288

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
MEXICO CITY ARPT TRUST SR SECURED 144A 07/47 5.5%	1,130,000	903,416	908,858
MEXICO CITY ARPT TRUST SR SECURED 144A 10/46 5.5%	570,000	544,236	455,724
MF1 MULTIFAMILY HOUSING MORTGA MF1 2020 FL4 A 144A	160,187	161,334	160,232
MF1 MULTIFAMILY HOUSING MORTGA MF1 2021 FL6 AS 144A	531,000	531,000	531,350
MF1 MULTIFAMILY HOUSING MORTGA MF1 2021 W10 A 144A	230,000	229,843	228,662
MFRA TRUST MFRA 2023 INV2 A1 144A	339,413	338,602	343,845
MFRA TRUST MFRA 2023 NQM3 A1 144A	809,276	809,222	816,208
MFRA TRUST MFRA 2023 NQM4 A1 144A	3,118,768	3,118,629	3,131,534
MFRA TRUST MFRA 2023 NQM4 A2 144A	1,855,267	1,855,185	1,865,003
MFRA TRUST MFRA 2024 RPL1 A2 144A	5,000,000	4,232,596	4,212,473
MGM CHINA HOLDINGS LTD SR UNSECURED 144A 06/25 5.25%	500,000	500,000	497,637
MGM RESORTS INTL COMPANY GUAR 04/27 5.5	102,000	102,150	101,371
MGM RESORTS INTL COMPANY GUAR 04/32 6.5	2,135,000	2,134,836	2,127,438
MGM RESORTS INTL COMPANY GUAR 09/26 4.625%	962,000	952,404	948,637
MGM RESORTS INTL COMPANY GUAR 09/29 6.125%	1,953,000	1,953,000	1,950,547
MGM RESORTS INTL COMPANY GUAR 10/28 4.75%	1,002,000	961,960	959,477
MH SUB I LLC 2021 2ND LIEN TERM LOAN due 02/23/29	150,000	136,291	148,220
MH SUB I LLC 2023 TERM LOAN due 05/03/28	2,155,427	2,147,236	2,155,039
MH SUB I LLC 2024 TERM LOAN B4 due 12/11/31	375,409	371,655	371,772
MHC COMMERCIAL MORTGAGE TRUST MHC 2021 MHC D 144A	400,000	399,196	400,000
MHC COMMERCIAL MORTGAGE TRUST MHC 2021 MHC2 D 144A	1,240,000	1,222,504	1,236,900
MHP LUX SA COMPANY GUAR REGS 09/29 6.25%	200,000	151,714	168,000
MI WINDOWS AND DOORS LLC 2024 TERM LOAN B2 due 03/28/31	1,631,987	1,630,440	1,646,038
MIAMI DADE CNTY FL WTR SWR R MIAUTL 10/44 FIXED 4%	1,000,000	1,043,480	991,140
MICHAELS COMPANIES, INC. 2021 TERM LOAN B due 04/15/28	482,500	480,227	387,578
MICRON TECHNOLOGY INC SR UNSECURED 01/31 5.3	390,000	395,677	389,531
MICRON TECHNOLOGY INC SR UNSECURED 02/33 5.875%	170,000	177,927	174,169
MICROSOFT CORP SR UNSECURED 03/52 2.921%	102,000	71,386	67,615
MICROSOFT CORP SR UNSECURED 08/36 3.45%	24,000	21,517	20,928
MICROSOFT CORP SR UNSECURED 09/50 2.5%	1,010,000	652,183	612,152
MID AMERICA APARTMENTS SR UNSECURED 02/31 1.7%	675,000	672,816	556,138
MID AMERICA APARTMENTS SR UNSECURED 03/29 3.95%	530,000	506,589	510,518
MIDAMERICAN ENERGY CO 1ST MORTGAGE 02/55 5.3	483,000	473,884	457,000
MIDAMERICAN ENERGY CO 1ST MORTGAGE 04/29 3.65%	725,000	724,715	691,366
MIDAMERICAN ENERGY CO 1ST MORTGAGE 04/50 3.15	198,000	138,483	133,071
MIDAMERICAN ENERGY CO 1ST MORTGAGE 09/54 5.85%	1,000,000	998,876	1,018,532
MIDAS OPCO HOLDINGS LLC COMPANY GUAR 144A 08/29 5.625%	1,425,000	1,398,484	1,356,859
MIDCAP FINANCIAL ISSR TR SR UNSECURED 144A 05/28 6.5%	800,000	778,124	782,368
MIDCONTINENT COMMUNICATI SR UNSECURED 144A 08/32 8%	110,000	110,000	112,984
MIDOCEAN CREDIT CLO MIDO 2023 12A A1R 144A	1,000,000	1,001,318	1,001,039
MIDOCEAN CREDIT CLO MIDO 2024 15A A1 144A	1,500,000	1,500,000	1,507,837
MIDWEST GMNG BOR/MWG FIN SR SECURED 144A 05/29 4.875%	1,486,000	1,413,426	1,401,009
MILEAGE PLUS HLDINGS LLC SR SECURED 144A 06/27 6.5%	558,716	566,197	562,238
MILL CITY MORTGAGE TRUST MCMLT 2015 1 B3 144A	1,300,000	1,069,481	1,142,699
MILL CITY MORTGAGE TRUST MCMLT 2017 1 B2 144A	845,000	760,548	744,186
MILL CITY MORTGAGE TRUST MCMLT 2017 2 A3 144A	254,621	253,534	247,197
MILL CITY MORTGAGE TRUST MCMLT 2017 2 M2 144A	700,000	608,901	671,732
MILL CITY MORTGAGE TRUST MCMLT 2017 3 M2 144A	1,528,837	1,400,513	1,433,559
MILL CITY MORTGAGE TRUST MCMLT 2018 1 B1 144A	1,590,339	1,447,351	1,329,256
MILL CITY MORTGAGE TRUST MCMLT 2018 2 B1 144A	1,697,439	1,556,495	1,473,572
MILL CITY MORTGAGE TRUST MCMLT 2018 4 B1 144A	1,398,366	1,093,821	1,148,472
MILL CITY MORTGAGE TRUST MCMLT 2019 GS2 A1 144A	730,369	705,643	702,257
MILLICOM INTL CELLULAR SR UNSECURED 144A 04/31 4.5%	400,000	332,063	350,531
MILLICOM INTL CELLULAR SR UNSECURED 144A 04/32 7.375	200,000	200,000	200,300
MILOS CLO, LTD MILOS 2017 1A BR 144A	800,000	800,285	801,475
MINERAL RESOURCES LTD SR UNSECURED 144A 05/30 8.5%	866,000	896,372	883,369
MINERAL RESOURCES LTD SR UNSECURED 144A 10/28 9.25%	1,202,000	1,218,084	1,261,103
MINERAL RESOURCES LTD SR UNSECURED 144A 11/27 8	5,000	5,110	5,112
MINNESOTA SECURITIZED OPPORTUN TCWMSOFLP	1,917,017	192,999,996	214,648,364
MIRA TRUST M1RA 2023 MILE A 144A	321,000	323,893	332,468
MITCHELL INTERNATIONAL INC 2024 1ST LIEN TERM LOAN due 06/17/31	140,719	140,068	140,603

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
MITCHELL INTERNATIONAL INC 2024 2ND LIEN TERM LOAN due 06/17/32	141,071	140,366	139,221
MITER BRAND / MIWD BORR SR SECURED 144A 04/32 6.75	1,164,000	1,164,000	1,169,690
MITSUBISHI UFJ FIN GRP SR UNSECURED 02/25 2.193	15,552,000	15,476,593	15,492,393
MITSUBISHI UFJ FIN GRP SR UNSECURED 03/25 3.777%	2,068,000	2,062,854	2,063,654
MITSUBISHI UFJ FIN GRP SR UNSECURED 07/25 1.412%	7,704,000	7,536,598	7,568,295
MITSUBISHI UFJ FIN GRP SR UNSECURED 07/29 3.195%	2,400,000	2,417,917	2,226,496
MIWD HLDCO II/MIWD FIN COMPANY GUAR 144A 02/30 5.5%	1,096,000	1,091,823	1,035,217
MIZRAHI TEFAHOT BANK LTD SUBORDINATED 144A REGS 04/31 V%	595,000	586,231	565,672
MIZUHO FINANCIAL GROUP SR UNSECURED 07/31 VAR	1,900,000	1,933,308	1,623,358
MKS INSTRUMENTS INC SR UNSECURED 144A 06/30 1.25%	815,000	839,809	788,920
MKT 2020 525M MORTGAGE TRUST MKT 2020 525M A 144A	828,000	645,979	685,462
MLCC MORTGAGE INVESTORS INC MLCC 2004 A A1	29	27	27
MLN US HOLDCO LLC 2022 SECOND OUT TL due 11/01/27	795,362	795,362	7,293
MMAF EQUIPMENT FINANCE LLC MMAF 2024 A A4 144A	579,316	579,708	581,135
MOBICO GROUP PLC SUBORDINATED REGS 12/99 VAR	200,000	283,322	239,245
MODENA BUYER LLC TERM LOAN due 04/18/31	1,790,000	1,756,328	1,728,621
MOLINA HEALTHCARE INC SR UNSECURED 144A 01/33 6.25%	1,001,000	1,001,867	989,330
MOLINA HEALTHCARE INC SR UNSECURED 144A 05/32 3.875%	67,000	66,751	57,849
MOLINA HEALTHCARE INC SR UNSECURED 144A 06/28 4.375%	189,000	181,527	179,095
MOLINA HEALTHCARE INC SR UNSECURED 144A 11/30 3.875	2,000	1,796	1,780
MONDELEZ INTL HLDINGS NE COMPANY GUAR 144A 09/25 4.25%	2,842,000	2,830,911	2,832,053
MONGOLIA INTL BOND SR UNSECURED 144A 06/29 7.875%	205,000	203,313	213,766
MONGOLIA INTL BOND SR UNSECURED 144A 07/27 3.5%	220,000	204,251	204,873
MONGOLIA INTL BOND SR UNSECURED REGS 01/28 8.65	200,000	209,473	210,036
MONGOLIA INTL BOND SR UNSECURED REGS 07/31 4.45%	337,000	274,477	291,590
MOODY S CORPORATION SR UNSECURED 08/60 2.55%	72,000	40,845	36,449
MOOG INC COMPANY GUAR 144A 12/27 4.25%	971,000	971,758	926,780
MORGAN STANLEY BAML TRUST MSBAM 2015 C20 XA	257,407	9,080	3
MORGAN STANLEY BAML TRUST MSBAM 2015 C22 A3	691,832	720,047	690,222
MORGAN STANLEY BAML TRUST MSBAM 2015 C24 B	460,000	499,774	439,582
MORGAN STANLEY BAML TRUST MSBAM 2016 C28 XA	17,021,178	394,620	134,828
MORGAN STANLEY BAML TRUST MSBAM 2017 C33 A3	672,002	696,698	666,909
MORGAN STANLEY BAML TRUST MSBAM 2017 C34 B	2,248,000	2,035,349	2,044,527
MORGAN STANLEY BANK NA SR UNSECURED 07/25 VAR	29,218,000	29,294,971	29,283,194
MORGAN STANLEY CAPITAL I TRUST MSC 2018 H4 C	703,000	628,793	626,978
MORGAN STANLEY CAPITAL I TRUST MSC 2018 MP A 144A	450,000	485,946	406,091
MORGAN STANLEY CAPITAL I TRUST MSC 2019 H6 B	500,000	555,710	454,804
MORGAN STANLEY CAPITAL I TRUST MSC 2020 CNP A 144A	1,084,000	880,991	900,286
MORGAN STANLEY CAPITAL I TRUST MSC 2020 HR8 A4	765,000	661,888	650,327
MORGAN STANLEY CAPITAL I TRUST MSC 2021 230P B 144A	717,000	668,424	676,637
MORGAN STANLEY CAPITAL I TRUST MSC 2024 NSTB A 144A	347,548	338,303	335,357
MORGAN STANLEY CAPITAL INC MSAC 2004 HE7 M1	1,304,831	1,302,221	1,299,096
MORGAN STANLEY CAPITAL INC MSAC 2005 HE1 M1	606,890	592,648	598,810
MORGAN STANLEY MORTGAGE CAPITA MSSG 2017 237P XA 144A	27,151,000	509,225	212,804
MORGAN STANLEY SR UNSECURED 01/27 3.625	3,835,000	3,732,754	3,765,640
MORGAN STANLEY SR UNSECURED 01/28 VAR	425,000	414,127	404,973
MORGAN STANLEY SR UNSECURED 01/29 VAR	5,612,000	5,490,931	5,409,858
MORGAN STANLEY SR UNSECURED 01/30 VAR	3,360,000	3,375,462	3,351,481
MORGAN STANLEY SR UNSECURED 01/31 VAR	1,260,000	1,320,724	1,119,606
MORGAN STANLEY SR UNSECURED 01/33 VAR	1,763,000	1,506,985	1,511,698
MORGAN STANLEY SR UNSECURED 01/35 VAR	1,110,000	1,125,931	1,103,909
MORGAN STANLEY SR UNSECURED 02/29 VAR	1,000,000	999,991	1,002,777
MORGAN STANLEY SR UNSECURED 02/32 VAR	2,514,000	2,258,214	2,051,038
MORGAN STANLEY SR UNSECURED 03/27 VAR	500,000	536,304	519,345
MORGAN STANLEY SR UNSECURED 03/29 VAR	880,000	933,240	956,219
MORGAN STANLEY SR UNSECURED 03/35 VAR	2,750,000	2,993,513	2,914,601
MORGAN STANLEY SR UNSECURED 04/26 VAR	1,060,000	1,048,777	1,050,538
MORGAN STANLEY SR UNSECURED 04/29 VAR	2,555,000	2,554,750	2,561,979
MORGAN STANLEY SR UNSECURED 04/30 VAR	6,078,000	6,124,136	6,186,536
MORGAN STANLEY SR UNSECURED 04/31 VAR	1,835,000	1,942,433	1,704,481
MORGAN STANLEY SR UNSECURED 04/32 VAR	590,000	493,585	482,683

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
MORGAN STANLEY SR UNSECURED 04/35 VAR	2,620,000	2,650,600	2,674,675
MORGAN STANLEY SR UNSECURED 05/27 VAR	2,373,000	2,270,108	2,274,739
MORGAN STANLEY SR UNSECURED 07/27 VAR	3,675,000	3,461,132	3,493,131
MORGAN STANLEY SR UNSECURED 07/30 VAR	2,549,000	2,560,082	2,539,916
MORGAN STANLEY SR UNSECURED 07/32 VAR	2,407,000	2,033,044	1,995,021
MORGAN STANLEY SR UNSECURED 07/34 VAR	2,070,000	2,036,333	2,056,067
MORGAN STANLEY SR UNSECURED 07/35 VAR	5,621,000	5,611,878	5,530,873
MORGAN STANLEY SR UNSECURED 10/30 VAR	10,933,000	10,919,065	10,698,266
MORGAN STANLEY SR UNSECURED 10/32 VAR	300,000	258,077	251,397
MORGAN STANLEY SR UNSECURED 11/29 VAR	550,000	557,628	574,506
MORGAN STANLEY SR UNSECURED 11/55 VAR	2,130,000	2,131,577	2,057,230
MORGAN STANLEY SUBORDINATED 09/36 VAR	4,235,000	3,693,290	3,445,215
MORTGAGE LOAN RESECURITIZATION MLRT 2009 RS1 A85 144A	1,622,956	1,580,261	1,580,304
MORTGAGEIT TRUST MHL 2005 2 1A1	174,640	174,264	172,492
MOSAIC SOLAR LOANS LLC MSAIC 2022 2A A 144A	52,468	51,967	49,762
MOSS CREEK RESOURCES HLD SR UNSECURED 144A 09/31 8.25%	725,000	723,195	708,759
MOTABILITY OPERATIONS GR COMPANY GUAR REGS 01/34 3.875	1,365,000	1,502,695	1,449,041
MOTION BONDCO DAC COMPANY GUAR 144A 11/27 6.625%	2,652,000	2,542,212	2,493,637
MOTION FINCO SARL 2024 TERM LOAN B3 due 11/12/29	199,001	199,928	196,514
MOTION FINCO SARL SR SECURED REGS 06/30 7.375	200,000	227,052	210,650
MOTOROLA SOLUTIONS INC SR UNSECURED 05/31 2.75%	69,000	61,104	59,739
MOTOROLA SOLUTIONS INC SR UNSECURED 06/32 5.6%	99,000	99,807	101,050
MOUNT NITTANY MED CTR UNSECURED 11/52 3.799%	154,000	133,507	112,959
MOUNTAIN VIEW CLO MVEW 2022 1A A1R 144A	2,275,000	2,275,000	2,281,750
MPH ACQUISITION HOLDINGS SR SECURED 144A 09/28 5.5%	640,000	639,749	548,650
MPLX LP SR UNSECURED 02/29 4.8%	600,000	600,528	594,742
MPLX LP SR UNSECURED 04/38 4.5%	210,000	189,079	183,087
MPLX LP SR UNSECURED 04/48 4.7%	1,157,000	1,055,628	949,365
MPLX LP SR UNSECURED 06/25 4.875%	620,000	619,662	619,581
MPLX LP SR UNSECURED 08/30 2.65%	1,460,000	1,342,620	1,277,566
MPT OPER PARTNERSP/FINL COMPANY GUAR 03/31 3.5%	1,000,000	1,021,288	630,107
MPT OPER PARTNERSP/FINL COMPANY GUAR 10/27 5%	675,000	605,803	569,253
MRC GLOBAL US INC 2024 TERM LOAN B due 10/24/31	122,314	122,455	123,232
MSCI INC COMPANY GUAR 144A 02/31 3.875%	2,106,000	1,881,570	1,929,498
MSCI INC COMPANY GUAR 144A 11/29 4%	530,000	537,639	499,867
MSD NETHERLANDS CAPITAL COMPANY GUAR 05/54 3.75	743,000	800,290	759,154
MSWF COMMERCIAL MORTGAGE TRUST MSWF 2023 1 C	680,000	715,956	702,430
MSWF COMMERCIAL MORTGAGE TRUST MSWF 2023 2 A5	2,312,211	2,380,817	2,435,396
MSWF COMMERCIAL MORTGAGE TRUST MSWF 2023 2 XA	5,745,010	361,435	352,678
MUNDYS SPA SR UNSECURED REGS 07/27 1.875%	500,000	587,211	500,973
MURPHY OIL CORP SR UNSECURED 10/32 6%	1,361,000	1,361,000	1,307,655
MURPHY OIL USA INC COMPANY GUAR 144A 02/31 3.75	5,000	4,464	4,407
MUTHOOT FINANCE LTD SR SECURED 144A 02/28 7.125	200,000	199,937	203,664
MVW OWNER TRUST MVWOT 2021 1WA B 144A	147,276	135,923	138,434
MVW OWNER TRUST MVWOT 2021 2A A 144A	1,214,066	1,186,237	1,135,460
MVW OWNER TRUST MVWOT 2021 2A B 144A	683,815	682,492	639,813
MVW OWNER TRUST MVWOT 2022 1A B 144A	313,938	313,907	307,222
MVW OWNER TRUST MVWOT 2023 1A B 144A	940,281	933,741	939,232
MVW OWNER TRUST MVWOT 2023 2A A 144A	729,702	740,354	744,251
MVW OWNER TRUST MVWOT 2024 1A B 144A	762,373	768,497	763,811
MVW OWNER TRUST MVWOT 2024 2A B 144A	1,952,690	1,946,607	1,904,550
MVW OWNER TRUST MVWOT 2024 2A C 144A	1,084,295	1,084,142	1,049,940
NABORS INDUSTRIES INC COMPANY GUAR 144A 01/30 9.125%	656,000	663,310	667,128
NABORS INDUSTRIES INC COMPANY GUAR 144A 05/27 7.375%	609,000	594,725	608,293
NABORS INDUSTRIES INC COMPANY GUAR 144A 08/31 8.875%	1,550,000	1,544,476	1,439,309
NABORS INDUSTRIES LTD COMPANY GUAR 144A 01/28 7.5%	350,000	343,076	324,067
NAKED JUICE LLC 2ND LIEN TERM LOAN due 01/24/30	500,000	498,409	165,625
NAKED JUICE LLC TERM LOAN due 01/24/29	479,169	466,121	313,774
NASDAQ INC SR UNSECURED 06/25 5.65%	396,000	395,919	397,666
NATIONAL AUSTRALIA BK/NY SR UNSECURED 06/25 3.5	1,846,000	1,831,589	1,837,871
NATIONAL AUSTRALIA BK/NY SR UNSECURED 12/25 4.75%	1,000,000	1,005,746	1,002,625

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
NATIONAL AUSTRALIA BK/NY SR UNSECURED 144A 06/25 VAR	5,413,000	5,426,152	5,427,415
NATIONAL FUEL GAS CO SR UNSECURED 03/31 2.95%	150,000	149,941	129,166
NATIONAL GRID NA INC SR UNSECURED REGS 09/33 4.668%	307,000	328,751	342,005
NATIONAL RURAL UTIL COOP COLLATERAL T 11/25 3.25%	5,000,000	4,959,948	4,939,197
NATIONAL RURAL UTIL COOP SR UNSECURED 02/25 1.875	2,500,000	2,491,391	2,492,465
NATIONSTAR MTG HLD INC COMPANY GUAR 144A 01/27 6%	1,490,000	1,481,328	1,482,140
NATIONSTAR MTG HLD INC COMPANY GUAR 144A 02/32 7.125	200,000	201,918	202,506
NATIONSTAR MTG HLD INC COMPANY GUAR 144A 08/28 5.5%	500,000	501,347	485,591
NATIONSTAR MTG HLD INC COMPANY GUAR 144A 08/29 6.5%	1,797,000	1,797,820	1,793,956
NATIONSTAR MTG HLD INC COMPANY GUAR 144A 11/31 5.75%	150,000	145,632	143,397
NATIONSTAR MTG HLD INC COMPANY GUAR 144A 12/30 5.125%	1,250,000	1,272,674	1,166,289
NATIONWIDE BLDG SOCIETY 144A 03/29 VAR	900,000	911,512	874,040
NATIONWIDE BLDG SOCIETY 144A 07/25 3.9%	7,520,000	7,459,283	7,493,077
NATIONWIDE CHILDREN HOSP UNSECURED 11/52 4.556%	167,000	167,000	146,104
NATIXIS COMMERCIAL MORTGAGE SE NCMS 2019 FAME A 144A	1,140,000	1,043,269	1,037,400
NATURGY FINANCE BV COMPANY GUAR REGS 12/99 VAR	100,000	113,505	100,573
NATWEST GROUP PLC JR SUBORDINA 12/99 VAR	1,900,000	2,229,473	2,089,842
NATWEST GROUP PLC SR UNSECURED 03/34 VAR	3,665,000	3,652,638	3,754,976
NATWEST GROUP PLC SR UNSECURED 05/29 VAR	800,000	823,867	792,137
NATWEST GROUP PLC SR UNSECURED 06/27 VAR	2,600,000	2,601,331	2,480,840
NATWEST GROUP PLC SUBORDINATED 06/34 VAR	1,650,000	1,651,520	1,693,443
NATWEST GROUP PLC SUBORDINATED 11/35 VAR	1,975,000	1,576,958	1,707,771
NATWEST MARKETS PLC SR UNSECURED 144A 03/25 3.479	1,728,000	1,720,084	1,722,106
NAVIENT CORP SR UNSECURED 03/28 4.875%	15,000	14,535	14,309
NAVIENT CORP SR UNSECURED 03/29 5.5%	733,000	672,491	691,357
NAVIENT CORP SR UNSECURED 03/31 11.5%	358,000	371,709	400,360
NAVIENT CORP SR UNSECURED 06/25 6.75%	507,000	504,210	507,532
NAVIENT CORP SR UNSECURED 07/30 9.375%	75,000	74,975	80,129
NAVIENT CORP SR UNSECURED 08/33 5.625%	406,000	357,487	351,315
NAVIENT STUDENT LOAN TRUST NAVSL 2014 8 B	200,000	193,481	189,220
NAVIENT STUDENT LOAN TRUST NAVSL 2016 3A A3 144A	1,007,828	1,012,034	1,012,037
NAVIENT STUDENT LOAN TRUST NAVSL 2017 1A A3 144A	812,498	810,730	818,313
NAVIENT STUDENT LOAN TRUST NAVSL 2018 2A A3 144A	14,577,757	14,577,757	14,447,934
NAVIENT STUDENT LOAN TRUST NAVSL 2018 EA A2 144A	18,927	18,925	18,815
NAVIENT STUDENT LOAN TRUST NAVSL 2019 A A2B 144A	298,091	297,033	298,061
NAVIENT STUDENT LOAN TRUST NAVSL 2019 CA A2 144A	393,216	377,428	384,608
NAVIENT STUDENT LOAN TRUST NAVSL 2020 FA A 144A	335,769	335,746	307,685
NAVIENT STUDENT LOAN TRUST NAVSL 2020 IA A1B 144A	492,932	492,932	491,806
NAVIENT STUDENT LOAN TRUST NAVSL 2021 A A 144A	128,680	128,662	114,964
NAVIENT STUDENT LOAN TRUST NAVSL 2021 BA A 144A	2,153,548	2,112,362	1,928,538
NAVIENT STUDENT LOAN TRUST NAVSL 2021 CA A 144A	1,382,716	1,280,835	1,225,776
NAVIENT STUDENT LOAN TRUST NAVSL 2021 DA A 144A	1,526,388	1,453,712	1,527,149
NAVIENT STUDENT LOAN TRUST NAVSL 2021 EA A 144A	4,760,732	4,484,859	4,140,614
NAVIENT STUDENT LOAN TRUST NAVSL 2021 GA A 144A	1,805,407	1,602,546	1,594,582
NAVIENT STUDENT LOAN TRUST NAVSL 2022 A A 144A	865,014	864,998	762,862
NAVIENT STUDENT LOAN TRUST NAVSL 2023 BA A1B 144A	512,620	512,620	515,289
NAVIENT STUDENT LOAN TRUST NAVSL 2024 A A 144A	2,838,961	2,838,584	2,850,726
NAVISTAR FINANCIAL DEALER NOTE NAVMT 2023 1 A 144A	367,000	366,961	370,348
NAVISTAR FINANCIAL DEALER NOTE NAVMT 2024 1 A 144A	1,018,000	1,017,880	1,029,147
NAVOI MINING METALLURGIC SR UNSECURED 144A 10/28 6.7%	210,000	210,000	208,946
NAVOI MINING METALLURGIC SR UNSECURED 144A 10/31 6.95%	200,000	200,000	197,202
NCL CORPORATION LTD COMPANY GUAR 144A 03/26 5.875%	612,000	600,128	611,169
NCL CORPORATION LTD SR SECURED 144A 01/29 8.125%	1,908,000	1,929,381	2,010,700
NCL CORPORATION LTD SR SECURED 144A 02/27 5.875%	720,000	719,342	717,748
NCL CORPORATION LTD SR SECURED 144A 02/28 8.375	8,000	8,342	8,365
NCL CORPORATION LTD SR UNSECURED 144A 02/29 7.75	645,000	653,388	677,265
NCL CORPORATION LTD SR UNSECURED 144A 03/30 6.25%	1,060,000	1,060,000	1,047,408
NCR ATLEOS LLC 2024 TERM LOAN B due 04/16/29	452,187	452,187	453,458
NCR ATLEOS LLC SR SECURED 144A 04/29 9.5%	2,500,000	2,493,299	2,708,318
NCR VOYIX CORP COMPANY GUAR 144A 04/29 5.125%	292,000	288,198	279,371
NCR VOYIX CORP COMPANY GUAR 144A 10/28 5%	468,000	454,954	450,141

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
NCR VOYIX CORP COMPANY GUAR 144A 10/30 5.25%	400,000	411,435	390,678
NECESS RETAIL/AFIN OP LP COMPANY GUAR 144A 09/28 4.5%	2,400,000	2,249,215	2,196,683
NELNET STUDENT LOAN TRUST NSLT 2006 3 B	1,040,361	975,391	920,464
NELNET STUDENT LOAN TRUST NSLT 2013 1A A 144A	159,677	158,539	158,680
NELNET STUDENT LOAN TRUST NSLT 2013 1A B 144A	300,000	302,330	289,261
NELNET STUDENT LOAN TRUST NSLT 2015 2A A2 144A	1,074,943	1,052,113	1,052,055
NELNET STUDENT LOAN TRUST NSLT 2015 3A B 144A	750,000	695,257	688,836
NELNET STUDENT LOAN TRUST NSLT 2021 A APT1 144A	296,604	271,743	273,982
NELNET STUDENT LOAN TRUST NSLT 2021 A APT2 144A	846,310	845,398	778,356
NELNET STUDENT LOAN TRUST NSLT 2021 BA AFL 144A	1,060,749	1,060,749	1,056,046
NELNET STUDENT LOAN TRUST NSLT 2021 CA AFL 144A	777,510	777,510	772,823
NEMAK SAB DE CV SR UNSECURED 144A 06/31 3.625%	300,000	300,000	233,465
NEPTUNE BIDCO US INC SR SECURED 144A 04/29 9.29%	3,986,000	3,812,035	3,707,473
NESCO HOLDINGS II INC SECURED 144A 04/29 5.5%	652,000	652,637	604,991
NESTLE FINANCE INTL LTD COMPANY GUAR REGS 01/37 3.25	180,000	193,473	184,531
NESTLE FINANCE INTL LTD COMPANY GUAR REGS 10/36 3.125%	360,000	388,125	367,850
NESTLE FINANCE INTL LTD COMPANY GUAR REGS 11/34 3.375%	245,000	270,047	261,267
NETFLIX INC SR UNSECURED 04/28 4.875%	1,000,000	1,002,962	1,004,000
NETFLIX INC SR UNSECURED 05/29 4.625%	900,000	1,211,356	997,634
NETFLIX INC SR UNSECURED 11/28 5.875%	1,455,000	1,502,890	1,507,948
NETFLIX INC SR UNSECURED 144A 06/30 4.875%	1,400,000	1,558,326	1,393,590
NEUBERGER BERMAN CLO LTD NEUB 2019 32A AR 144A	322,709	323,166	323,315
NEUBERGER BERMAN CLO LTD NEUB 2020 38A BR 144A	850,000	843,528	852,974
NEUBERGER BERMAN CLO LTD NEUB 2021 40A A 144A	728,216	729,555	728,354
NEUBERGER BERMAN CLO LTD NEUB 2022 50A BR 144A	2,400,000	2,400,000	2,409,904
NEUBERGER BERMAN CLO LTD NEUB 2022 51A AR 144A	4,375,000	4,375,000	4,385,893
NEUBERGER BERMAN CLO LTD NEUB 2024 56A C 144A	250,000	250,000	252,707
NEUBERGER BERMAN LOAN ADVISERS NEUBE 2024 6X D REGS	100,000	106,365	104,959
NEW CENTURY HOME EQUITY LOAN T NCHET 2003 A A 144A	711,074	700,525	701,075
NEW ENTERPRISE STONE + L SR SECURED 144A 07/28 5.25%	2,834,000	2,791,180	2,737,677
NEW ENTERPRISE STONE + L SR UNSECURED 144A 07/28 9.75%	70,000	70,932	71,586
NEW HOME CO INC/THE SR UNSECURED 144A 10/29 9.25	250,000	250,000	263,111
NEW JERSEY ST TRANSPRTN TRUST NJSTRN 12/40 FIXED 6.561%	215,000	253,606	229,466
NEW JERSEY ST TURNPIKE AUTH TU NJSTRN 01/41 FIXED 7.102%	3,885,000	4,334,319	4,338,679
NEW MOUNTAIN CLO LTD NMC CLO 6A A 144A	795,000	795,548	800,631
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2018 4A A1S 144A	725,841	711,966	712,166
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2018 4A B2 144A	315,222	302,566	309,961
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2019 NQM5 A1 144A	663,804	678,633	619,105
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2019 RPL3 A1 144A	1,654,179	1,663,225	1,576,628
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2019 RPL3 M1 144A	1,320,000	1,089,621	1,159,637
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2020 RPL1 A1 144A	1,479,874	1,502,339	1,407,163
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2020 RPL1 M2 144A	1,200,000	1,002,914	1,028,937
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2021 NQM3 A1 144A	273,398	237,047	235,254
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2022 NQM2 A2 144A	1,480,000	1,198,462	1,156,234
NEW RESIDENTIAL MORTGAGE LOAN NRZT 2022 NQM4 A1 144A	1,529,648	1,515,872	1,512,844
NEW YORK MORTGAGE TRUST NYMT 2022 CP1 A1 144A	694,335	694,305	639,094
NEW YORK ST DORM AUTH ST PERSO NYSHGR 03/30 FIXED 2.052%	370,000	356,359	323,933
NEW YORK ST DORM AUTH ST PERSO NYSHGR 03/31 FIXED 2.152%	505,000	485,398	432,096
NEWELL BRANDS INC SR UNSECURED 04/26 5.7	47,000	46,545	46,980
NEWELL BRANDS INC SR UNSECURED 04/36 6.375%	871,000	814,808	881,537
NEWELL BRANDS INC SR UNSECURED 04/46 7%	65,000	54,579	62,045
NEWELL BRANDS INC SR UNSECURED 05/30 6.375%	675,000	675,000	676,112
NEWELL BRANDS INC SR UNSECURED 05/32 6.625%	643,000	643,111	646,592
NEWELL BRANDS INC SR UNSECURED 09/27 6.375%	317,000	311,397	318,045
NEWELL BRANDS INC SR UNSECURED 09/29 6.625	127,000	126,858	129,148
NEWFOLD DIGITAL HLDGS GR SR UNSECURED 144A 02/29 6%	200,000	200,000	106,000
NEWS CORP COMPANY GUAR 144A 02/32 5.125	410,000	392,726	387,275
NEWS CORP SR UNSECURED 144A 05/29 3.875%	81,000	80,561	75,138
NEXA RESOURCES SA COMPANY GUAR 144A 01/28 6.5%	280,000	292,384	283,679
NEXI SPA SR UNSECURED REGS 04/29 2.125%	108,000	109,154	106,382
NEXSTAR BROADCASTING INC 2019 TERM LOAN B4 due 09/18/26	887,102	888,920	889,630

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
NEXSTAR MEDIA INC COMPANY GUAR 144A 07/27 5.625%	425,000	428,044	414,526
NEXSTAR MEDIA INC COMPANY GUAR 144A 11/28 4.75%	622,000	620,952	579,941
NEXTERA ENERGY CAPITAL COMPANY GUAR 02/28 4.9%	2,000,000	2,004,009	2,002,629
NEXTERA ENERGY CAPITAL COMPANY GUAR 03/25 6.051%	925,000	925,194	926,640
NEXTERA ENERGY CAPITAL COMPANY GUAR 03/29 4.9	4,550,000	4,537,740	4,536,103
NEXTERA ENERGY CAPITAL COMPANY GUAR 06/28 1.9%	895,000	894,732	810,710
NEXTERA ENERGY CAPITAL COMPANY GUAR 07/27 4.625%	2,175,000	2,174,583	2,171,924
NEXTERA ENERGY OPERATING COMPANY GUAR 144A 09/27 4.5%	1,883,000	1,844,769	1,796,138
NEXTERA ENERGY OPERATING COMPANY GUAR 144A 10/26 3.875%	98,000	93,167	93,704
NEXTERA ENERGY OPERATING SR UNSECURED 144A 01/29 7.25%	1,970,000	1,979,345	2,015,006
NEXUS BUYER LLC 2021 SECOND LIEN TERM LOAN due 11/05/29	150,000	146,727	149,544
NEXUS BUYER LLC 2024 TERM LOAN B FLT due 07/31/31	1,546,565	1,541,480	1,550,432
NFE FINANCING LLC SR SECURED 144A 11/29 12%	280,000	292,860	294,145
NGL ENRGY OP/FIN CORP SR SECURED 144A 02/29 8.125	2,073,000	2,078,853	2,100,250
NGL ENRGY OP/FIN CORP SR SECURED 144A 02/32 8.375	1,817,000	1,817,848	1,830,735
NGP XI MIDSTREAM HOLDINGS LLC TERM LOAN B due 07/25/31	1,064,520	1,054,516	1,072,504
NGPL PIPECO LLC SR UNSECURED 144A 12/37 7.768%	450,000	558,314	504,154
NIDDA HEALTHCARE HOLDING SR SECURED REGS 02/30 7%	193,000	207,079	210,447
NIDDA HEALTHCARE HOLDING SR SECURED REGS 10/30 VAR	134,000	146,703	139,971
NIKE INC SR UNSECURED 03/27 2.75%	420,000	406,461	404,901
NIKE INC SR UNSECURED 03/50 3.375%	431,000	321,738	304,142
NISOURCE INC SR UNSECURED 02/31 1.7%	5,584,000	4,612,008	4,566,845
NISOURCE INC SR UNSECURED 03/28 5.25%	1,259,000	1,258,486	1,269,945
NISOURCE INC SR UNSECURED 05/30 3.6%	1,700,000	1,556,143	1,585,530
NISSAN AUTO RECEIVABLES OWNER NAROT 2024 B A2A	3,860,000	3,859,713	3,861,466
NISSAN MOTOR CO SR UNSECURED 144A 09/30 4.81%	1,325,000	1,323,640	1,241,980
NJ TR 2023 GSP 01/29 1	860,000	901,226	894,844
NMLT TRUST NLT 2021 INV1 A1 144A	2,946,674	2,383,546	2,473,287
NNN REIT INC SR UNSECURED 04/50 3.1%	444,000	320,103	279,807
NNN REIT INC SR UNSECURED 04/52 3%	8,000	5,034	4,866
NNN REIT INC SR UNSECURED 10/48 4.8	177,000	153,709	149,753
NOBIAN FINANCE B SR SECURED REGS 07/26 3.625%	100,000	107,269	102,515
NOBLE FINANCE II LLC COMPANY GUAR 144A 04/30 8%	2,094,000	2,171,523	2,114,869
NOKIA OYJ SR UNSECURED 06/27 4.375%	1,070,000	1,029,191	1,041,175
NOMURA ASSET ACCEPTANCE CORPOR NAA 2004 AR4 M1	203,200	203,200	201,506
NOMURA HOLDINGS INC SR UNSECURED 07/31 2.608%	500,000	500,000	421,246
NOMURA HOLDINGS INC SR UNSECURED 07/34 5.783	1,200,000	1,200,000	1,213,314
NORDEA BANK ABP 144A 06/25 3.6	3,500,000	3,475,901	3,483,177
NORDEA BANK ABP 144A 08/25 0.75%	2,971,000	2,897,854	2,897,420
NORDEA BANK ABP 144A 09/25 4.75%	2,046,000	2,046,894	2,047,176
NORDIC INVESTMENT BANK SR UNSECURED 02/29 4.25	2,430,000	2,419,124	2,408,685
NORDSTROM INC SR UNSECURED 01/44 5	100,000	81,527	74,761
NORDSTROM INC SR UNSECURED 08/31 4.25	108,000	96,063	94,452
NORFOLK SOUTHERN CORP SR UNSECURED 05/50 3.05%	412,000	304,575	266,790
NORFOLK SOUTHERN CORP SR UNSECURED 05/55 3.155	91,000	59,286	57,630
NORFOLK SOUTHERN CORP SR UNSECURED 06/26 2.9	3,655,000	3,545,748	3,569,965
NORFOLK SOUTHERN CORP SR UNSECURED 08/30 5.05%	2,720,000	2,668,599	2,747,025
NORFOLK SOUTHERN CORP SR UNSECURED 08/54 5.35	48,000	46,949	45,765
NORFOLK SOUTHERN CORP SR UNSECURED 11/29 2.55%	747,000	684,832	674,101
NORFOLK SOUTHERN CORP SR UNSECURED 11/49 3.4%	240,000	173,571	166,115
NORTHERN OIL AND GAS INC SR UNSECURED 144A 03/28 8.125%	425,000	426,784	431,513
NORTHERN OIL AND GAS INC SR UNSECURED 144A 06/31 8.75%	855,000	844,677	882,533
NORTHRIVER MIDSTREAM FIN SR SECURED 144A 07/32 6.75	1,100,000	1,101,212	1,106,524
NORTHRIVER MIDSTREAM FINANCE L 2023 USD TERM LOAN B due 08/16/30	495,242	495,776	495,678
NORTHROP GRUMMAN CORP SR UNSECURED 01/28 3.25%	1,210,000	1,163,857	1,156,394
NORTHROP GRUMMAN CORP SR UNSECURED 02/29 4.6%	6,346,000	6,369,991	6,293,083
NORTHROP GRUMMAN CORP SR UNSECURED 03/53 4.95%	71,000	66,310	63,470
NORTHROP GRUMMAN CORP SR UNSECURED 05/50 5.25%	610,000	599,989	572,038
NORTHROP GRUMMAN CORP SR UNSECURED 06/34 4.9	679,000	688,191	661,718
NORTHROP GRUMMAN CORP SR UNSECURED 06/54 5.2%	454,000	434,919	422,297
NORTHROP GRUMMAN CORP SR UNSECURED 10/47 4.03%	365,000	309,835	286,759

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
NORTHSTAR GROUP SERVICES INC 2024 TERM LOAN B due 05/08/30	103,022	102,557	103,516
NORTHWEST FLORIDA TIMBER SR SECURED 144A 03/29 4.75%	480,000	477,409	454,203
NORTHWESTERN MUTUAL GLBL SECURED 144A 06/28 4.9	540,000	539,880	540,196
NORTHWESTERN MUTUAL LIFE SUBORDINATED 144A 03/40 6.063%	45,000	45,000	46,104
NORTHWESTERN MUTUAL LIFE SUBORDINATED 144A 09/59 3.625%	470,000	302,899	315,040
NORTHWOODS CAPITAL LTD WOODS 2020 22A DRR 144A	750,000	743,213	757,487
NOTA DO TESOURO NACIONAL NOTES 01/27 10%	10,200,000	1,762,616	1,497,938
NOTA DO TESOURO NACIONAL NOTES 01/29 10%	6,100,000	1,167,313	830,094
NOTA DO TESOURO NACIONAL NOTES 01/31 10%	14,424,000	2,959,522	1,860,400
NOTA DO TESOURO NACIONAL NOTES 01/33 10	4,000,000	651,949	497,759
NOTA DO TESOURO NACIONAL NOTES 08/50 6%	270,000	244,625	164,409
NOURYON FINANCE BV 2024 USD TERM LOAN B due 04/03/28	298,497	300,054	300,270
NOVA ALEXANDRE III SAS SR SECURED REGS 07/29 VAR	100,000	105,978	100,236
NOVA CHEMICALS CORP SR SECURED 144A 11/28 8.5%	267,000	272,788	282,807
NOVA CHEMICALS CORP SR UNSECURED 144A 02/30 9	435,000	435,000	458,858
NOVA CHEMICALS CORP SR UNSECURED 144A 05/25 5%	259,000	255,622	257,646
NOVA CHEMICALS CORP SR UNSECURED 144A 05/29 4.25%	857,000	788,589	774,910
NOVA CHEMICALS CORP SR UNSECURED 144A 06/27 5.25%	447,000	444,540	434,193
NOVA CHEMICALS CORP SR UNSECURED 144A 12/31 7%	190,000	190,000	189,092
NOVARTIS CAPITAL CORP COMPANY GUAR 09/31 4%	1,105,000	1,100,367	1,052,292
NOVELIS CORP COMPANY GUAR 144A 01/30 4.75%	1,665,000	1,689,480	1,536,839
NOVELIS CORP COMPANY GUAR 144A 08/31 3.875%	985,000	846,239	848,078
NOVELIS CORP COMPANY GUAR 144A 11/26 3.25%	947,000	928,465	902,023
NRG ENERGY INC 2024 TERM LOAN due 04/16/31	698,241	698,241	698,185
NRG ENERGY INC COMPANY GUAR 01/28 5.75%	350,000	338,134	348,760
NRG ENERGY INC COMPANY GUAR 144A 02/29 3.375%	515,000	503,089	467,248
NRG ENERGY INC COMPANY GUAR 144A 02/31 3.625%	4,298,000	3,670,712	3,758,437
NRG ENERGY INC COMPANY GUAR 144A 02/32 3.875%	214,000	213,140	186,901
NRG ENERGY INC COMPANY GUAR 144A 02/33 6%	1,488,000	1,484,526	1,442,720
NRG ENERGY INC COMPANY GUAR 144A 06/29 5.25%	812,000	804,791	788,640
NRG ENERGY INC COMPANY GUAR 144A 07/29 5.75%	739,000	732,868	718,396
NRG ENERGY INC COMPANY GUAR 144A 11/34 6.25%	1,384,000	1,377,944	1,357,490
NRG ENERGY INC JR SUBORDINA 144A 12/99 VAR	245,000	249,749	270,438
NRG ENERGY INC SR SECURED 144A 03/33 7%	1,914,000	2,080,682	2,066,018
NRG ENERGY INC SR SECURED 144A 06/29 4.45%	721,000	698,038	688,567
NRTH PARK MORTGAGE TRUST NRTH 2024 PARK A 144A	1,160,000	1,163,616	1,160,725
NUCOR CORP SR UNSECURED 05/25 3.95%	10,887,000	10,822,240	10,847,581
NUCOR CORP SR UNSECURED 06/25 2%	3,658,000	3,605,466	3,615,600
NUFARM AUSTRALIA/AMERICA SR UNSECURED 144A 01/30 5%	1,065,000	992,989	979,065
NUSTAR LOGISTICS LP COMPANY GUAR 04/27 5.625	4,000	3,993	3,971
NUSTAR LOGISTICS LP COMPANY GUAR 06/26 6%	1,011,000	1,005,240	1,012,353
NUSTAR LOGISTICS LP COMPANY GUAR 10/25 5.75%	1,909,000	1,909,179	1,908,629
NUSTAR LOGISTICS LP COMPANY GUAR 10/30 6.375%	440,000	460,506	441,194
NUTRIEN LTD SR UNSECURED 03/28 4.9%	742,000	741,696	741,723
NUTRIEN LTD SR UNSECURED 06/27 5.2	785,000	784,967	793,006
NUVEI TECHNOLOGIES CORP 2024 TERM LOAN B1 due 11/15/31	1,725,000	1,720,688	1,726,622
NVENT ELECTRIC PUBLIC LTD CO TERM LOAN B due 09/12/31	51,563	51,305	52,062
NVIDIA CORP SR UNSECURED 04/60 3.7%	500,000	390,215	369,650
NXP BV/NXP FDG/NXP USA COMPANY GUAR 01/33 5%	912,000	909,867	887,665
NXP BV/NXP FDG/NXP USA COMPANY GUAR 02/32 2.65%	171,000	146,425	143,969
NXP BV/NXP FDG/NXP USA COMPANY GUAR 05/25 2.7%	10,000	9,925	9,931
NXP BV/NXP FDG/NXP USA COMPANY GUAR 05/30 3.4%	465,000	464,331	427,135
NXP BV/NXP FDG/NXP USA COMPANY GUAR 05/31 2.5%	349,000	333,532	297,581
NXP BV/NXP FDG/NXP USA COMPANY GUAR 06/26 3.875%	382,000	391,696	376,742
NXP BV/NXP FDG/NXP USA COMPANY GUAR 06/29 4.3%	715,000	780,273	694,182
NY STATE ELECTRIC + GAS SR UNSECURED 144A 09/49 3.3%	1,700,000	1,783,440	1,107,500
NYC COMMERCIAL MORTGAGE TRUST NYC 2024 3ELV A 144A	1,060,000	1,063,173	1,067,852
NYC COMMERCIAL MORTGAGE TRUST NYC 2024 3ELV D 144A	925,000	927,580	933,029
NYO COMMERCIAL MORTGAGE TRUST NYO 2021 1290 C 144A	1,000,000	945,593	962,680
OAK STREET INVESTMENT GRADE NE OAKIG 2020 1A A5 144A	420,709	424,438	402,365
OAK STREET INVESTMENT GRADE NE OAKIG 2020 1A B1 144A	400,000	428,204	382,551

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
OAKTREE CLO LTD OAKCL 2023 1A D 144A	250,000	252,844	250,867
OCCIDENTAL PETROLEUM COR SR UNSECURED 01/31 6.125%	3,010,000	3,087,290	3,079,893
OCCIDENTAL PETROLEUM COR SR UNSECURED 02/27 3%	380,000	364,824	362,768
OCCIDENTAL PETROLEUM COR SR UNSECURED 03/26 5.55%	275,000	284,393	275,959
OCCIDENTAL PETROLEUM COR SR UNSECURED 04/26 3.4%	450,000	440,885	439,837
OCCIDENTAL PETROLEUM COR SR UNSECURED 07/30 8.875%	2,300,000	2,661,727	2,626,720
OCCIDENTAL PETROLEUM COR SR UNSECURED 08/27 5%	567,000	566,728	567,226
OCCIDENTAL PETROLEUM COR SR UNSECURED 08/29 5.2%	2,700,000	2,698,792	2,678,369
OCCIDENTAL PETROLEUM COR SR UNSECURED 08/39 4.3%	975,000	758,010	785,027
OCCIDENTAL PETROLEUM COR SR UNSECURED 09/28 6.375%	1,375,000	1,426,078	1,417,056
OCCIDENTAL PETROLEUM COR SR UNSECURED 09/30 6.625%	800,000	798,744	837,214
OCCIDENTAL PETROLEUM COR SR UNSECURED 09/31 7.875%	718,000	788,092	795,812
OCCIDENTAL PETROLEUM COR SR UNSECURED 09/36 6.45%	1,015,000	1,085,277	1,040,814
OCCIDENTAL PETROLEUM COR SR UNSECURED 10/54 6.05%	3,532,000	3,502,239	3,351,126
OCEAN TRAILS CLO OCTR 2020 10A AR2 144A	4,300,000	4,300,000	4,304,330
OCEANEERING INTL INC SR UNSECURED 02/28 6	990,000	935,252	980,522
OCEANEERING INTL INC SR UNSECURED 02/28 6%	355,000	335,925	351,601
OCP CLO LTD OCP 2014 5A A2R 144A	250,000	250,071	250,363
OCP CLO LTD OCP 2016 11A A1R2 144A	3,200,000	3,200,000	3,205,004
OCP CLO LTD OCP 2016 11A B1R2 144A	250,000	250,000	252,099
OCP CLO LTD OCP 2017 13A AR2 144A	500,000	500,000	502,391
OCP CLO LTD OCP 2017 14A B1R 144A	250,000	250,000	251,264
OCP CLO LTD OCP 2017 14A D1R 144A	250,000	250,000	253,854
OCP CLO LTD OCP 2018 15A AR 144A	3,000,000	3,000,000	3,000,000
OCP CLO LTD OCP 2019 16A AR 144A	2,731,040	2,713,581	2,736,860
OCP CLO LTD OCP 2020 8RA AR 144A	250,000	250,000	250,573
OCTAGON INVESTMENT PARTNERS 26 OCT26 2016 1A BR 144A	250,000	250,047	250,641
OCTAGON INVESTMENT PARTNERS 35 OCT35 2018 1A A1A 144A	119,277	119,369	119,426
OCTAGON INVESTMENT PARTNERS 35 OCT35 2018 1A A2 144A	4,905,000	4,905,000	4,908,344
OCTAGON INVESTMENT PARTNERS 45 OCT45 2019 1A A1R 144A	1,000,000	1,000,000	1,001,373
OCTAGON INVESTMENT PARTNERS LT OCT18 2018 18A A2 144A	8,500,000	8,421,123	8,503,918
OCTAGON INVESTMENT PARTNERS XX OCT21 2014 1A AAR3 144A	260,760	254,789	260,977
OEG BORROWER LLC 2024 TERM LOAN B due 06/30/31	55,556	55,427	55,486
OFFICE CHERIFIEN DES PHO SR UNSECURED 144A 05/34 6.75	413,000	426,654	421,260
OFFICE CHERIFIEN DES PHO SR UNSECURED 144A 05/54 7.5	235,000	228,604	238,231
OFFICE CHERIFIEN DES PHO SR UNSECURED REGS 06/51 5.125%	200,000	170,601	150,758
OHA LOAN FUNDING LTD OHALF 2015 1A AR3 144A	1,250,000	1,230,781	1,253,387
OHA LOAN FUNDING LTD OHALF 2016 1A B1R2 144A	250,000	250,000	251,950
OHIO POWER COMPANY SR UNSECURED 04/48 4.15%	71,000	78,596	54,531
OHIO POWER COMPANY SR UNSECURED 06/49 4%	159,000	130,678	119,396
OHIO POWER COMPANY SR UNSECURED 10/51 2.9%	891,000	562,647	536,096
OI EUROPEAN GROUP BV COMPANY GUAR REGS 06/29 5.25	100,000	108,700	105,621
OI EUROPEAN GROUP BV SR UNSECURED REGS 05/28 6.25%	126,000	136,868	135,417
OI SA SR SECURED 144A 06/27 10%	548,867	8,606	491,712
OI SA SR SECURED 144A 12/28 8.5%	9,148,487	-	1,006,334
OIL + GAS HOLDING SR UNSECURED 144A 10/27 7.5%	400,000	427,020	411,627
OIL + GAS HOLDING SR UNSECURED REGS 11/28 8.375%	253,000	278,773	270,837
OLIN CORP SR UNSECURED 02/30 5	2,000	1,917	1,878
OLIN CORP SR UNSECURED 09/27 5.125	6,000	5,868	5,872
OLYMPUS WATER US HOLDING CORP 2024 USD TERM LOAN B due 06/20/31	367,400	368,775	368,204
OLYMPUS WATER US HOLDING CORP 2024 USD TERM LOAN due 06/20/31	183,333	184,708	183,735
OLYMPUS WTR US HLDG CORP SR SECURED 144A 06/31 7.25	1,992,000	2,002,290	2,023,354
OLYMPUS WTR US HLDG CORP SR SECURED 144A 10/27 7.125%	1,487,000	1,474,071	1,507,834
OLYMPUS WTR US HLDG CORP SR SECURED 144A 10/28 4.25%	1,775,000	1,684,968	1,658,640
OLYMPUS WTR US HLDG CORP SR SECURED 144A 11/28 9.75%	1,950,000	1,959,151	2,068,982
OLYMPUS WTR US HLDG CORP SR SECURED REGS 11/28 9.625%	200,000	216,715	220,135
OLYMPUS WTR US HLDG CORP SR UNSECURED 144A 10/29 6.25%	1,255,000	1,170,994	1,192,248
OMAN GOV INTERNTL BOND SR UNSECURED 144A 01/28 5.625%	500,000	515,117	499,290
OMAN GOV INTERNTL BOND SR UNSECURED 144A 01/31 6.25%	360,000	370,381	368,882
OMAN GOV INTERNTL BOND SR UNSECURED 144A 01/48 6.75	260,000	258,431	263,240
OMAN GOV INTERNTL BOND SR UNSECURED 144A 03/27 5.375%	1,635,000	1,642,356	1,627,561

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
OMAN GOV INTERNTL BOND SR UNSECURED 144A 03/47 6.5%	4,485,000	4,499,977	4,452,349
OMAN GOV INTERNTL BOND SR UNSECURED 144A 06/26 4.75%	430,000	430,412	425,549
OMAN GOV INTERNTL BOND SR UNSECURED 144A 10/27 6.75%	300,000	311,955	309,756
OMAN GOV INTERNTL BOND SR UNSECURED 144A 10/32 7.375%	420,000	459,052	462,129
OMAN GOV INTERNTL BOND SR UNSECURED REGS 01/28 5.625	1,313,000	1,316,045	1,311,136
OMAN GOV INTERNTL BOND SR UNSECURED REGS 01/31 6.25%	200,000	209,669	204,935
OMAN GOV INTERNTL BOND SR UNSECURED REGS 01/48 6.75%	1,095,000	1,014,274	1,108,644
OMAN GOV INTERNTL BOND SR UNSECURED REGS 01/51 7%	400,000	408,006	419,562
OMAN GOV INTERNTL BOND SR UNSECURED REGS 03/47 6.5%	1,511,000	1,440,760	1,500,000
OMAN GOV INTERNTL BOND SR UNSECURED REGS 06/26 4.75%	970,000	960,584	959,959
OMAN GOV INTERNTL BOND SR UNSECURED REGS 08/29 6%	936,000	951,539	947,691
OMAN GOV INTERNTL BOND SR UNSECURED REGS 10/27 6.75%	839,000	870,976	866,284
OMAN GOV INTERNTL BOND SR UNSECURED REGS 10/32 7.375%	400,000	398,370	440,122
OMNIA PARTNERS LLC 2024 TERM LOAN B due 07/25/30	903,813	904,817	907,527
OMNIA PARTNERS LLC 2024 TERM LOAN due 07/25/30	150,000	149,625	150,617
ON SEMICONDUCTOR CORP COMPANY GUAR 144A 09/28 3.875%	770,000	771,641	722,123
ONE GAS INC SR UNSECURED 05/30 2	55,000	47,210	47,550
ONE NEW YORK PLAZA TRUST 2020 ONYP 2020 1NYP A 144A	1,205,000	1,169,381	1,149,269
ONE PARK MORTGAGE TRUST ONP 2021 PARK A 144A	1,589,000	1,550,916	1,569,138
ONEMAIN FINANCE CORP COMPANY GUAR 01/29 9%	1,055,000	1,050,876	1,119,787
ONEMAIN FINANCE CORP COMPANY GUAR 03/26 7.125%	483,000	501,218	491,676
ONEMAIN FINANCE CORP COMPANY GUAR 03/30 7.875%	955,000	950,318	996,215
ONEMAIN FINANCE CORP COMPANY GUAR 05/29 6.625%	3,311,000	3,311,000	3,352,222
ONEMAIN FINANCE CORP COMPANY GUAR 05/31 7.5	1,736,000	1,736,000	1,781,711
ONEMAIN FINANCE CORP COMPANY GUAR 09/28 3.875%	1,245,000	1,134,470	1,147,318
ONEMAIN FINANCE CORP COMPANY GUAR 09/30 4%	1,982,000	1,891,027	1,761,527
ONEMAIN FINANCE CORP COMPANY GUAR 11/29 5.375%	20,000	16,970	19,228
ONEMAIN FINANCE CORP COMPANY GUAR 11/31 7.125%	1,006,000	1,012,511	1,024,936
ONEMAIN FINANCIAL ISSUANCE TRU OMFIT 2023 1A A 144A	350,000	349,903	356,311
ONEMAIN FINANCIAL ISSUANCE TRU OMFIT 2023 2A A1 144A	2,497,000	2,503,808	2,544,222
ONEMAIN FINANCIAL ISSUANCE TRU OMFIT 2023 2A A2 144A	1,493,000	1,493,000	1,515,668
ONEMAIN FINANCIAL ISSUANCE TRU OMFIT 2023 2A D 144A	800,000	799,944	800,641
ONEOK INC COMPANY GUAR 07/28 4.55%	3,900,000	3,901,420	3,844,272
ONEOK INC COMPANY GUAR 09/53 6.625%	565,000	619,129	594,730
ONEOK INC COMPANY GUAR 11/26 5.55%	210,000	212,889	212,599
ONEOK INC COMPANY GUAR 11/30 5.8%	330,000	344,093	340,174
ONEOK INC COMPANY GUAR 11/54 5.7%	2,790,000	2,782,270	2,626,465
ONESKY FLIGHT LLC SR UNSECURED 144A 12/29 8.875%	800,000	807,178	800,560
ONNI COMMERCIAL MORTGAGE TRUST ONNI 2024 APT A 144A	1,610,000	1,631,306	1,615,333
ONNI COMMERCIAL MORTGAGE TRUST ONNI 2024 APT C 144A	1,683,000	1,649,521	1,694,018
ONNI COMMERCIAL MORTGAGE TRUST ONNI 2024 APT D 144A	1,180,000	1,206,443	1,191,680
ONSLOW BAY FINANCIAL LLC OBX 2021 NQM3 A1 144A	2,332,685	2,271,106	1,877,832
ONSLOW BAY FINANCIAL LLC OBX 2021 NQM4 A1 144A	395,657	332,309	326,783
ONSLOW BAY FINANCIAL LLC OBX 2022 INV3 A1 144A	472,493	461,928	391,468
ONSLOW BAY FINANCIAL LLC OBX 2022 INV4 A1 144A	2,533,731	2,278,671	2,206,297
ONSLOW BAY FINANCIAL LLC OBX 2022 NQM1 A1 144A	1,382,700	1,177,537	1,211,272
ONSLOW BAY FINANCIAL LLC OBX 2023 NQM3 A1 144A	430,949	432,319	432,244
ONSLOW BAY FINANCIAL LLC OBX 2023 NQM6 A1 144A	1,712,441	1,719,774	1,729,355
ONSLOW BAY FINANCIAL LLC OBX 2023 NQM9 A1 144A	3,009,886	3,009,669	3,066,650
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM1 A1 144A	886,435	891,292	890,873
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM11 A2 144A	1,977,177	1,977,099	1,984,859
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM11 A3 144A	1,230,041	1,236,121	1,234,807
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM14 A1 144A	1,210,377	1,210,360	1,193,322
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM14 A3 144A	1,039,115	1,039,098	1,025,447
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM16 A1 144A	2,144,177	2,144,157	2,138,806
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM3 A1 144A	1,676,842	1,676,751	1,688,281
ONSLOW BAY FINANCIAL LLC OBX 2024 NQM4 A1 144A	1,879,404	1,872,643	1,888,865
ONTARIO (PROVINCE OF) SR UNSECURED 04/34 5.05	1,920,000	1,918,311	1,932,603
ONTARIO (PROVINCE OF) SR UNSECURED 09/29 3.7%	4,205,000	4,201,210	4,047,335
ONTARIO GAMING GTA LP TERM LOAN B due 08/01/30	470,250	467,755	470,922
OPEN TEXT CORP COMPANY GUAR 144A 02/28 3.875%	505,000	505,287	473,647

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
OPEN TEXT HOLDINGS INC COMPANY GUAR 144A 02/30 4.125%	118,000	105,486	107,002
OPEN TEXT HOLDINGS INC COMPANY GUAR 144A 12/31 4.125%	259,000	232,292	229,656
OPEN TRUST OPEN 2023 AIR A 144A	1,314,957	1,311,827	1,324,827
OPENLANE INC COMPANY GUAR 144A 06/25 5.125%	89,000	88,825	88,569
OPTICS BIDCO SPA SR SECURED 144A 06/38 7.721%	3,332,000	3,515,592	3,502,667
OPTICS BIDCO SPA SR SECURED 144A 07/36 7.2%	265,000	281,728	270,491
OPTICS BIDCO SPA SR SECURED 144A 09/34 6%	439,000	427,805	421,457
OPTICS BIDCO SPA SR SECURED 144A 11/33 6.375%	1,274,000	1,257,544	1,276,612
OPTICS BIDCO SPA SR SECURED REGS 02/28 6.875%	252,000	284,573	283,779
OPTION CARE HEALTH INC 2021 TERM LOAN B due 10/27/28	485,000	485,136	487,304
ORACLE CORP SR UNSECURED 02/33 4.9%	1,786,000	1,784,943	1,739,469
ORACLE CORP SR UNSECURED 02/53 5.55	858,000	861,145	812,421
ORACLE CORP SR UNSECURED 03/26 1.65%	1,070,000	1,032,287	1,031,694
ORACLE CORP SR UNSECURED 03/28 2.3%	590,000	553,204	545,434
ORACLE CORP SR UNSECURED 03/31 2.875%	3,915,000	3,364,828	3,445,660
ORACLE CORP SR UNSECURED 03/61 4.1%	2,000,000	1,730,293	1,440,317
ORACLE CORP SR UNSECURED 04/30 2.95%	1,218,000	1,070,784	1,100,158
ORACLE CORP SR UNSECURED 04/50 3.6%	4,691,000	3,376,079	3,289,427
ORACLE CORP SR UNSECURED 04/60 3.85%	540,000	384,049	371,678
ORACLE CORP SR UNSECURED 05/30 4.65%	1,175,000	1,172,188	1,158,367
ORACLE CORP SR UNSECURED 05/55 4.375%	336,000	264,262	263,376
ORACLE CORP SR UNSECURED 07/36 3.85	440,000	380,348	377,083
ORACLE CORP SR UNSECURED 09/34 4.7%	1,600,000	1,595,426	1,516,852
ORACLE CORP SR UNSECURED 09/64 5.5%	24,000	23,908	22,000
ORACLE CORP SR UNSECURED 11/27 3.25%	595,000	557,139	572,198
ORACLE CORP SR UNSECURED 11/37 3.8%	345,000	394,087	288,292
ORACLE CORP SR UNSECURED 11/52 6.9%	1,525,000	1,524,062	1,711,376
ORBIA ADVANCE CORP SAB COMPANY GUAR 144A 01/48 5.5	315,000	270,030	251,324
ORBIA ADVANCE CORP SAB COMPANY GUAR 144A 05/26 1.875%	700,000	664,322	660,847
ORGANON + CO 2024 USD TERM LOAN B due 05/19/31	497,581	496,445	498,203
ORGANON + CO/ORG SR SECURED 144A 04/28 4.125%	1,907,000	1,786,058	1,791,474
ORGANON + CO/ORG SR SECURED REGS 04/28 2.875%	800,000	915,495	804,550
ORGANON + CO/ORG SR UNSECURED 144A 04/31 5.125%	5,447,000	5,051,660	4,895,817
ORGANON + CO/ORGANON FOR COMPANY GUAR 144A 05/34 7.875	2,545,000	2,577,610	2,601,905
ORIGIN ENERGY FINANCE COMPANY GUAR REGS 09/29 1%	783,000	753,349	726,490
ORL TRUST ORL 2024 GLKS A 144A	150,000	149,625	150,000
ORL TRUST ORL 2024 GLKS C 144A	3,103,000	3,095,255	3,103,000
ORSTED A/S JR SUBORDINA REGS 12/99 VAR	200,000	184,030	184,510
OSCAR ACQUISITIONCO LLC SR UNSECURED 144A 04/30 9.5%	1,173,000	1,093,201	1,103,204
OTIS WORLDWIDE CORP SR UNSECURED 02/30 2.565%	50,000	49,998	44,428
OTIS WORLDWIDE CORP SR UNSECURED 04/27 2.293%	475,000	475,000	450,063
OTIS WORLDWIDE CORP SR UNSECURED 11/31 5.125%	960,000	959,943	960,351
OUTFRONT MEDIA CAP LLC/C COMPANY GUAR 144A 03/30 4.625%	692,000	644,409	639,495
OUTFRONT MEDIA CAP LLC/C COMPANY GUAR 144A 08/27 5%	687,000	672,726	668,604
OUTFRONT MEDIA CAP LLC/C SR SECURED 144A 02/31 7.375%	393,000	393,000	410,780
OUTFRONT MEDIA CAP LLC/C SR UNSECURED 144A 01/29 4.25%	108,000	100,567	100,457
OVG BUSINESS SERVICES LLC 2024 TERM LOAN B due 06/25/31	1,295,895	1,289,890	1,297,515
OVINTIV INC COMPANY GUAR 07/53 7.1	257,000	281,211	273,240
OVINTIV INC COMPANY GUAR 08/34 6.5%	400,000	499,302	414,837
OVINTIV INC COMPANY GUAR 09/30 8.125%	300,000	366,035	336,508
OWENS + MINOR INC 2022 TERM LOAN B due 03/29/29	425,833	425,833	430,756
OWENS + MINOR INC COMPANY GUAR 144A 03/29 4.5%	760,000	735,015	678,191
OWENS + MINOR INC COMPANY GUAR 144A 04/30 6.625%	687,000	671,642	644,160
OWENS BROCKWAY COMPANY GUAR 144A 05/27 6.625%	1,700,000	1,699,804	1,692,696
OWENS BROCKWAY COMPANY GUAR 144A 05/31 7.25%	340,000	337,486	330,895
OWENS BROCKWAY COMPANY GUAR 144A 06/32 7.375	1,180,000	1,180,415	1,128,379
OWENS CORNING SR UNSECURED 02/30 3.5%	152,000	140,876	141,125
OWL ROCK CLO LTD OR 2020 3A AR 144A	1,090,000	1,098,683	1,101,893
OZLM LTD OZLM 2014 6A A1T 144A	584,270	584,270	584,968
OZLM LTD OZLM 2018 18A A 144A	189,607	189,825	189,832
PACCAR FINANCIAL CORP SR UNSECURED 10/25 4.95%	2,036,000	2,043,755	2,041,851

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
PACHELBEL BIDCO SPA SR SECURED REGS 05/31 VAR	200,000	218,832	208,503
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 02/31 2.5%	2,375,000	2,373,525	2,031,471
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 03/32 4.4%	500,000	498,796	469,960
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 03/34 6.95%	2,564,000	2,614,287	2,809,262
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 03/52 5.25%	232,000	204,032	208,159
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 05/29 5.55	515,000	514,746	523,274
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 05/34 5.8	65,000	66,851	66,485
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 06/25 4.95%	450,000	450,126	449,888
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 06/27 5.45%	1,180,000	1,197,925	1,193,488
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 06/28 3%	975,000	972,525	913,409
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 06/33 6.4%	3,204,000	3,291,798	3,378,241
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 07/28 3.75%	200,000	207,328	191,378
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 07/30 4.55%	700,000	717,352	677,474
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 07/40 4.5%	200,000	194,942	172,819
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 07/50 4.95%	9,915,000	8,930,709	8,596,395
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 08/27 2.1%	525,000	524,630	489,631
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 08/40 3.3%	275,000	273,868	206,025
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 08/50 3.5%	3,197,000	2,791,054	2,194,336
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 09/25 VAR	1,100,000	1,100,000	1,101,836
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 10/54 5.9%	179,000	182,299	176,976
PACIFIC GAS + ELECTRIC SR SECURED 06/31 3.25%	1,200,000	1,058,995	1,064,283
PACIFIC LIFE GF II SECURED 144A 01/29 4.9	515,000	514,406	515,431
PACIFICORP 1ST MORTGAGE 01/55 5.8	1,500,000	1,491,122	1,460,517
PACIFICORP 1ST MORTGAGE 02/29 5.1	1,200,000	1,199,748	1,208,450
PACIFICORP 1ST MORTGAGE 02/31 5.3	1,100,000	1,098,380	1,109,961
PACTIV EVERGREEN GROUP SR SECURED 144A 10/27 4%	1,047,000	1,031,868	1,038,327
PACTIV EVERGREEN GROUP SR SECURED 144A 10/28 4.375%	1,605,000	1,587,078	1,603,498
PADAGIS LLC TERM LOAN B due 07/06/28	729,412	712,059	673,488
PAGAYA AI DEBT SELECTION TRUST PAID 2022 1 B 144A	1,571,883	1,512,060	1,568,293
PAGAYA AI DEBT SELECTION TRUST PAID 2024 10 A 144A	4,140,000	4,140,000	4,138,084
PAGAYA AI DEBT SELECTION TRUST PAID 2024 7 A 144A	2,714,051	2,714,051	2,733,288
PAGAYA AI DEBT SELECTION TRUST PAID 2024 7 B 144A	1,999,565	1,999,565	2,018,019
PAGAYA AI DEBT SELECTION TRUST PAID 2024 9 A 144A	2,471,157	2,471,157	2,468,009
PAGAYA AI DEBT SELECTION TRUST PAID 2024 9 B 144A	2,899,556	2,899,556	2,883,592
PAI HOLDCO, INC. 2020 TERM LOAN B due 10/28/27	67,091	57,825	56,503
PAINT INTERMEDIATE III LLC 2024 TERM LOAN B due 10/09/31	996,610	991,741	1,000,347
PAKISTAN WATER + POWER SR UNSECURED REGS 06/31 7.5%	410,000	283,993	317,648
PALMER SQUARE CLO LTD PLMRS 2014 1A A1R2 144A	31,715	31,773	31,727
PALMER SQUARE CLO LTD PLMRS 2015 1A A1A4 144A	1,750,000	1,726,994	1,750,000
PALMER SQUARE CLO LTD PLMRS 2015 1A BR5 144A	1,250,000	1,250,000	1,250,000
PALMER SQUARE CLO LTD PLMRS 2015 2A CR2 144A	500,000	496,061	500,483
PALMER SQUARE CLO LTD PLMRS 2019 1A A1R 144A	2,380,000	2,380,298	2,386,358
PALMER SQUARE CLO LTD PLMRS 2020 3A A2R2 144A	250,000	250,000	252,289
PALMER SQUARE CLO LTD PLMRS 2021 3A A1 144A	340,000	340,362	340,880
PALMER SQUARE EUROPEAN CLO PLMER 2022 2X DR REGS	100,000	108,830	104,524
PALMER SQUARE LOAN FUNDING LTD PSTAT 2021 2A A2 144A	955,912	951,248	956,283
PALMER SQUARE LOAN FUNDING LTD PSTAT 2021 3A A1 144A	132,054	131,120	132,161
PALMER SQUARE LOAN FUNDING LTD PSTAT 2021 4A A1 144A	448,158	444,872	448,418
PALMER SQUARE LOAN FUNDING LTD PSTAT 2022 1A A1 144A	165,332	164,057	165,336
PALMER SQUARE LOAN FUNDING LTD PSTAT 2024 2A A1N 144A	305,000	305,000	304,909
PANAMA INFRASTRUCTURE SR SECURED 144A 04/32 0.00000	2,457,000	1,575,138	1,662,664
PANTHER ESCROW ISSUER SR SECURED 144A 06/31 7.125	2,371,000	2,379,677	2,394,697
PAPREC HOLDING SA SR SECURED REGS 11/29 7.25%	200,000	220,462	219,526
PAR PETROLEUM LLC 2024 TERM LOAN B due 02/28/30	443,250	443,250	441,588
PARAMOUNT GLOBAL COMPANY GUAR 02/28 3.375%	254,000	237,111	239,158
PARAMOUNT GLOBAL JR SUBORDINA 02/57 VAR	135,000	120,989	128,844
PARAMOUNT GLOBAL JR SUBORDINA 03/62 VAR	118,000	105,803	114,057
PARAMOUNT GLOBAL SR UNSECURED 01/27 2.9%	728,000	697,273	696,561
PARAMOUNT GLOBAL SR UNSECURED 01/45 4.6	71,000	54,011	52,043
PARAMOUNT GLOBAL SR UNSECURED 04/44 5.25	68,000	54,607	52,892
PARAMOUNT GLOBAL SR UNSECURED 07/42 4.85%	394,000	326,504	310,646

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
PARAMOUNT GLOBAL SR UNSECURED 08/44 4.9	50,000	39,560	37,885
PARAMOUNT GLOBAL SR UNSECURED 09/43 5.85	171,000	151,352	148,723
PARAMOUNT GLOBAL SR UNSECURED 10/26 3.7%	246,000	237,311	236,953
PAREXEL INTERNATIONAL CORP 2024 TERM LOAN B due 11/15/28	280,457	279,197	282,092
PARK AVENUE INSTITUTIONAL ADVI PAIA 2017 1A A2R 144A	250,000	250,000	250,218
PARK AVENUE TRUST PRKAV 2017 245P A 144A	1,465,000	1,362,908	1,397,996
PARK BLUE CLO LTD PKBLU 2024 5A A1 144A	405,000	405,000	407,532
PARK INTERMED HOLDINGS COMPANY GUAR 144A 02/30 7	1,153,000	1,154,103	1,169,838
PARK INTERMED HOLDINGS SR SECURED 144A 05/29 4.875%	3,141,000	2,977,686	2,951,967
PARK INTERMED HOLDINGS SR SECURED 144A 10/28 5.875%	879,000	871,249	859,204
PARK RIVER HOLDINGS INC COMPANY GUAR 144A 02/29 5.625%	425,000	367,294	366,717
PARK RIVER HOLDINGS INC SR UNSECURED 144A 08/29 6.75%	508,000	457,191	446,040
PARKLAND CORP COMPANY GUAR 144A 05/30 4.625	5,000	4,683	4,589
PARKLAND CORP COMPANY GUAR 144A 07/27 5.875	3,000	2,983	2,971
PARKLAND CORP COMPANY GUAR 144A 10/29 4.5%	100,000	94,838	92,749
PARKLAND CORP SR UNSECURED 144A 08/32 6.625%	215,000	214,288	212,764
PATAGONIA HOLDCO LLC TERM LOAN B1 due 08/01/29	923,738	818,661	817,970
PATRICK INDUSTRIES INC COMPANY GUAR 144A 11/32 6.375%	1,719,000	1,718,685	1,663,447
PATTERN ENERGY OP LP/PAT COMPANY GUAR 144A 08/28 4.5%	330,000	319,099	309,722
PAYPAL HOLDINGS INC SR UNSECURED 06/25 1.65%	2,160,000	2,126,670	2,131,931
PAYPAL HOLDINGS INC SR UNSECURED 06/34 5.15%	240,000	243,252	238,516
PAYPAL HOLDINGS INC SR UNSECURED 10/26 2.65%	825,000	824,455	799,032
PAYPAL HOLDINGS INC SR UNSECURED 10/29 2.85%	575,000	546,651	525,636
PCF HOLDING CO LLC COMPANY GUAR 144A 09/30 7.875%	332,000	327,252	325,790
PCF GMBH SR SECURED REGS 04/26 VAR	303,000	365,331	259,262
PEACHTREE FUNDING TRUST COMPANY GUAR 144A 02/25 3.976%	5,440,000	5,438,410	5,428,443
PEBBLEBROOK HOTEL/FINANC COMPANY GUAR 144A 10/29 6.375%	695,000	695,495	685,148
PECO ENERGY CO 1ST MORTGAGE 03/48 3.9%	616,000	504,721	478,424
PECO ENERGY CO 1ST MORTGAGE 03/51 3.05%	112,000	109,885	72,521
PEDIATRIX MEDICAL GROUP COMPANY GUAR 144A 02/30 5.375%	1,623,000	1,564,201	1,549,820
PEER HOLDING III BV 2024 USD TERM LOAN B5 due 07/01/31	1,281,384	1,281,571	1,286,587
PEGASUS BIDCO BV 2024 TERM LOAN B due 07/12/29	742,514	742,514	748,551
PENN ENTERTAINMENT INC SR UNSECURED 144A 01/27 5.625%	855,000	842,886	841,748
PENN ENTERTAINMENT INC SR UNSECURED 144A 07/29 4.125%	530,000	513,592	475,254
PENNSYLVANIA HIGHER EDUCATION PHEAA 2014 3A A 144A	831,671	848,274	827,815
PENNYMAC FIN SVCS INC COMPANY GUAR 144A 02/29 4.25%	1,000,000	994,354	926,782
PENNYMAC FIN SVCS INC COMPANY GUAR 144A 09/31 5.75%	852,000	850,981	811,505
PENNYMAC FIN SVCS INC COMPANY GUAR 144A 10/25 5.375%	278,000	277,999	277,228
PENNYMAC FIN SVCS INC COMPANY GUAR 144A 11/30 7.125%	235,000	239,934	237,986
PENNYMAC FIN SVCS INC COMPANY GUAR 144A 12/29 7.875%	348,000	346,613	364,601
PENSKE TRUCK LEASING/PTL SR UNSECURED 144A 05/28 5.55%	800,000	797,518	812,054
PENTA CLO S.A. PENTA 2024 17X D REGS	100,000	106,875	105,044
PEPSICO SINGAPORE FIN COMPANY GUAR 02/27 4.65	945,000	933,469	948,841
PERATON CORP TERM LOAN B due 02/01/28	2,009,878	1,993,290	1,866,252
PERFORMANCE FOOD GROUP I COMPANY GUAR 144A 08/29 4.25%	424,000	402,760	393,401
PERFORMANCE FOOD GROUP I COMPANY GUAR 144A 09/32 6.125%	1,912,000	1,912,000	1,911,913
PERFORMANCE FOOD GROUP I COMPANY GUAR 144A 10/27 5.5%	650,000	651,262	644,506
PERMIAN RESOURC OPTG LLC COMPANY GUAR 144A 01/32 7%	2,949,000	2,924,836	2,993,558
PERMIAN RESOURC OPTG LLC COMPANY GUAR 144A 02/33 6.25%	746,000	750,024	736,347
PERMIAN RESOURC OPTG LLC COMPANY GUAR 144A 04/27 8	200,000	204,709	204,227
PERMIAN RESOURC OPTG LLC COMPANY GUAR 144A 07/29 5.875%	1,429,000	1,377,003	1,402,131
PERRIGO FINANCE UNLIMITE COMPANY GUAR 09/32 5.375%	100,000	110,100	107,205
PERRIGO FINANCE UNLIMITE COMPANY GUAR 09/32 6.125%	855,000	854,658	836,045
PERUSAHAAN LISTRIK NEGAR SR UNSECURED 144A 05/28 5.45%	620,000	680,528	620,067
PERUSAHAAN LISTRIK NEGAR SR UNSECURED 144A 05/47 5.25%	430,000	429,081	372,768
PERUSAHAAN LISTRIK NEGAR SR UNSECURED 144A 06/30 3%	600,000	610,861	530,198
PERUSAHAAN LISTRIK NEGAR SR UNSECURED 144A 06/50 4%	365,000	272,564	253,003
PERUSAHAAN LISTRIK NEGAR SR UNSECURED REGS 05/27 4.125%	754,000	734,537	736,581
PERUSAHAAN LISTRIK NEGAR SR UNSECURED REGS 05/47 5.25%	400,000	410,412	346,761
PERUSAHAAN LISTRIK NEGAR SR UNSECURED REGS 05/48 6.15%	1,023,000	1,007,045	995,466
PERUSAHAAN LISTRIK NEGAR SR UNSECURED REGS 07/49 4.875%	1,101,000	1,036,955	889,088

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
PERUSAHAAN LISTRIK NEGAR SR UNSECURED REGS 10/42 5.25%	413,000	376,863	362,734
PERUSAHAAN PENERBIT SBSN SR UNSECURED 144A 11/54 5.65%	610,000	610,000	597,788
PERUSAHAAN PENERBIT SBSN SR UNSECURED REGS 03/26 4.55%	524,000	534,845	521,270
PERUSAHAAN PENERBIT SBSN SR UNSECURED REGS 05/25 4.325	200,000	199,229	199,300
PERUSAHAAN PENERBIT SBSN SR UNSECURED REGS 06/30 2.8%	200,000	203,167	177,250
PERUSAHAAN PENERBIT SBSN SR UNSECURED REGS 06/32 4.7%	200,000	204,441	193,250
PERUSAHAAN PENERBIT SBSN SR UNSECURED REGS 06/50 3.8%	200,000	193,304	149,466
PETROLEOS DEL PERU SA SR UNSECURED 144A 06/47 5.625	1,190,000	792,076	757,902
PETROLEOS DEL PERU SA SR UNSECURED REGS 06/47 5.625%	1,537,000	1,349,877	978,904
PETROLEOS MEXICANOS 03/26 7.5%	268,000	268,000	268,000
PETROLEOS MEXICANOS COMPANY GUAR 01/25 4.25%	13,000	12,983	12,963
PETROLEOS MEXICANOS COMPANY GUAR 01/27 6.49%	610,000	611,328	591,597
PETROLEOS MEXICANOS COMPANY GUAR 01/29 6.5%	1,000,000	978,388	929,539
PETROLEOS MEXICANOS COMPANY GUAR 01/30 6.84%	790,000	752,846	721,616
PETROLEOS MEXICANOS COMPANY GUAR 01/31 5.95%	621,000	616,169	524,426
PETROLEOS MEXICANOS COMPANY GUAR 01/45 6.375%	12,035,000	11,962,801	8,052,619
PETROLEOS MEXICANOS COMPANY GUAR 01/50 7.69%	8,560,000	7,104,020	6,458,520
PETROLEOS MEXICANOS COMPANY GUAR 01/60 6.95%	1,959,000	1,557,881	1,345,207
PETROLEOS MEXICANOS COMPANY GUAR 02/28 5.35%	282,000	261,292	257,742
PETROLEOS MEXICANOS COMPANY GUAR 02/32 6.7%	1,940,000	1,820,741	1,687,711
PETROLEOS MEXICANOS COMPANY GUAR 02/33 10%	190,000	188,945	197,302
PETROLEOS MEXICANOS COMPANY GUAR 02/48 6.35%	4,000,000	2,807,458	2,628,054
PETROLEOS MEXICANOS COMPANY GUAR 03/27 6.5%	9,863,000	9,835,921	9,535,285
PETROLEOS MEXICANOS COMPANY GUAR 06/29 8.75%	1,396,333	1,389,577	1,398,851
PETROLEOS MEXICANOS COMPANY GUAR 06/35 6.625%	1,525,000	1,234,552	1,201,116
PETROLEOS MEXICANOS COMPANY GUAR 06/38 6.625	200,000	148,689	145,832
PETROLEOS MEXICANOS COMPANY GUAR 06/41 6.5%	310,000	274,225	220,301
PETROLEOS MEXICANOS COMPANY GUAR 08/26 6.875%	200,000	203,240	196,523
PETROLEOS MEXICANOS COMPANY GUAR 09/47 6.75%	2,665,000	2,177,939	1,832,115
PETRONAS CAPITAL LTD COMPANY GUAR 144A 04/50 4.55%	310,000	251,526	263,121
PETRONAS CAPITAL LTD COMPANY GUAR REGS 01/32 2.48%	1,353,000	1,179,247	1,131,238
PETRONAS CAPITAL LTD COMPANY GUAR REGS 04/50 4.55%	2,604,000	2,435,954	2,210,219
PETRONAS CAPITAL LTD COMPANY GUAR REGS 04/60 4.8%	442,000	512,431	381,522
PETRONAS CAPITAL LTD COMPANY GUAR REGS 04/61 3.404%	816,000	686,290	537,339
PETSMART INC 2021 TERM LOAN B due 02/11/28	483,750	481,590	481,331
PETSMART INC/PETSMART FI COMPANY GUAR 144A 02/29 7.75%	567,000	548,214	548,097
PETSMART INC/PETSMART FI SR SECURED 144A 02/28 4.75%	879,000	856,811	829,332
PFIZER INC SR UNSECURED 04/30 2.625%	1,850,000	1,653,154	1,659,376
PFIZER INC SR UNSECURED 05/30 1.7%	420,000	362,834	357,952
PFIZER INC SR UNSECURED 05/50 2.7%	90,000	59,284	55,453
PFIZER INC SR UNSECURED 09/48 4.2	65,000	57,334	52,722
PFIZER INC SR UNSECURED 12/46 4.125%	59,000	51,360	47,588
PFIZER INVESTMENT ENTER COMPANY GUAR 05/25 4.65%	25,760,000	25,689,427	25,770,301
PFIZER INVESTMENT ENTER COMPANY GUAR 05/53 5.3%	333,000	327,743	312,287
PFIZER INVESTMENT ENTER COMPANY GUAR 05/63 5.34%	1,880,000	1,817,471	1,728,552
PFS FINANCING CORP. PFSFC 2022 C A 144A	1,308,000	1,304,044	1,303,639
PFS FINANCING CORP. PFSFC 2022 D A 144A	1,423,000	1,422,960	1,418,667
PFS FINANCING CORP. PFSFC 2023 A A 144A	4,109,000	4,114,121	4,162,085
PFS FINANCING CORP. PFSFC 2023 C A 144A	946,000	945,898	957,386
PFS FINANCING CORP. PFSFC 2024 D A 144A	1,390,000	1,389,798	1,406,103
PG+E CORP JR SUBORDINA 03/55 VAR	605,000	613,427	620,870
PG+E CORP SR SECURED 07/28 5%	226,000	226,951	220,789
PG+E CORP SR SECURED 07/30 5.25	975,000	961,523	954,356
PGA NATIONAL RESORT COMMERCIAL PGA 2024 RSR2 A 144A	520,000	518,733	520,000
PGA NATIONAL RESORT COMMERCIAL PGA 2024 RSR2 B 144A	1,400,000	1,396,588	1,399,999
PHILIP MORRIS INTL INC SR UNSECURED 02/29 4.875	270,000	272,102	269,637
PHILIP MORRIS INTL INC SR UNSECURED 02/31 5.125	735,000	727,252	735,460
PHILIP MORRIS INTL INC SR UNSECURED 02/33 5.375%	1,475,000	1,472,404	1,478,206
PHILIP MORRIS INTL INC SR UNSECURED 02/34 5.25	10,000	10,155	9,887
PHILIP MORRIS INTL INC SR UNSECURED 03/42 4.5%	100,000	90,086	86,758
PHILIP MORRIS INTL INC SR UNSECURED 05/25 1.5	15,000,000	14,825,310	14,838,974

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
PHILIP MORRIS INTL INC SR UNSECURED 05/30 2.1%	170,000	149,121	146,945
PHILIP MORRIS INTL INC SR UNSECURED 08/25 3.375%	2,000,000	1,982,602	1,984,123
PHILIP MORRIS INTL INC SR UNSECURED 11/29 5.625%	475,000	474,696	489,409
PHILIP MORRIS INTL INC SR UNSECURED 11/32 5.75%	550,000	549,584	566,283
PHILLIPS 66 COMPANY GUAR 02/26 1.3%	2,445,000	2,405,544	2,355,888
PHINIA INC COMPANY GUAR 144A 10/32 6.625%	736,000	736,000	732,093
PHINIA INC SR SECURED 144A 04/29 6.75	75,000	75,000	76,500
PHOENIX GUARANTOR INC 2024 TERM LOAN B due 02/21/31	1,257,929	1,257,929	1,261,237
PHOENIX PIB DUTCH FINANC COMPANY GUAR REGS 07/29 4.875%	100,000	107,509	107,763
PICARD GROUPE SAS SR SECURED REGS 07/29 6.375	100,000	106,815	107,683
PIEDMONT NATURAL GAS CO SR UNSECURED 03/31 2.5%	135,000	120,876	115,285
PIEDMONT NATURAL GAS CO SR UNSECURED 06/29 3.5	204,000	190,790	192,283
PIKE CORP COMPANY GUAR 144A 09/28 5.5%	1,815,000	1,796,926	1,745,053
PIKES PEAK CLO PIPK 2018 2A D1RR 144A	250,000	250,000	251,334
PILGRIM S PRIDE CORP COMPANY GUAR 04/31 4.25%	675,000	677,340	621,955
PILGRIM S PRIDE CORP COMPANY GUAR 07/33 6.25%	111,000	117,180	113,066
PINEWOOD FINCO PLC SR SECURED REGS 03/30 6	244,000	318,312	303,409
PINNACLE BIDCO PLC SR SECURED REGS 10/28 10	200,000	262,731	265,808
PIONEER NATURAL RESOURCE SR UNSECURED 01/26 1.125%	100,000	96,531	96,533
PIONEER NATURAL RESOURCE SR UNSECURED 01/31 2.15%	290,000	250,663	246,196
PIONEER NATURAL RESOURCE SR UNSECURED 03/26 5.1%	160,000	160,092	161,094
PIONEER NATURAL RESOURCE SR UNSECURED 08/30 1.9%	270,000	233,310	230,018
PITNEY BOWES INC. 2021 TERM LOAN B due 03/17/28	481,250	479,035	483,656
PKHL COMMERCIAL MORTGAGE TRUST PKHL 2021 MF D 144A	500,000	500,000	356,454
PLAINS ALL AMER PIPELINE SR UNSECURED 06/42 5.15%	850,000	778,559	755,043
PLAINS ALL AMER PIPELINE SR UNSECURED 06/44 4.7%	4,860,000	4,356,306	4,013,696
PLAINS ALL AMER PIPELINE SR UNSECURED 09/30 3.8%	500,000	499,392	464,120
PLAN DISTRIBUTION TOPCO EQUIT	7,931	82,135	82,135
PLANO HOLDCO INC TERM LOAN B due 10/02/31	36,486	36,310	36,760
PLASKOLITE LLC 2021 TERM LOAN due 12/15/25	886,299	867,410	856,111
PLAYTIKA HOLDING CORP COMPANY GUAR 144A 03/29 4.25%	110,000	104,664	99,707
PLAYTIKA HOLDING CORP. 2021 TERM LOAN due 03/13/28	197,943	198,332	198,294
PLUSPETROL CAM/PLUS LOTE SR UNSECURED 144A 07/36 6.24%	220,000	223,151	221,811
PLUXEE NV SR UNSECURED REGS 09/28 3.5	600,000	641,341	627,707
PNC FINANCIAL SERVICES JR SUBORDINA 12/99 VAR	3,266,000	3,102,613	3,105,032
PNC FINANCIAL SERVICES SR UNSECURED 01/28 VAR	160,000	160,000	161,358
PNC FINANCIAL SERVICES SR UNSECURED 06/26 VAR	280,000	281,234	281,190
PNC FINANCIAL SERVICES SR UNSECURED 06/29 VAR	600,000	615,893	610,421
PNC FINANCIAL SERVICES SR UNSECURED 10/27 VAR	550,000	550,000	566,589
PNC FINANCIAL SERVICES SR UNSECURED 10/34 VAR	750,000	777,786	820,150
POINTCLICKCARE TECHNOLOGIE INC 2024 USD TERM LOAN B due 11/03/31	700,000	698,288	703,500
POLAND GOVERNMENT BOND BONDS 04/25 0.75	4,740,000	1,159,654	1,133,110
POLAND GOVERNMENT BOND BONDS 04/28 2.75%	8,248,000	1,880,251	1,844,871
POLAND GOVERNMENT BOND BONDS 05/27 3.75%	5,394,000	1,155,244	1,265,854
POLAND GOVERNMENT BOND BONDS 07/26 2.5%	724,000	156,106	168,584
POLAND GOVERNMENT BOND BONDS 07/27 2.5%	1,305,000	324,733	296,092
POLAND GOVERNMENT BOND BONDS 07/28 7.5%	1,685,000	440,650	435,280
POLAND GOVERNMENT BOND BONDS 07/29 4.75%	6,592,000	1,632,461	1,544,718
POLAND GOVERNMENT BOND BONDS 10/26 0.25%	723,000	148,879	160,631
POLAND GOVERNMENT BOND BONDS 10/29 2.75%	13,563,000	3,248,639	2,914,132
POLAND GOVERNMENT BOND BONDS 10/30 1.25%	2,384,000	449,680	456,105
POLAND GOVERNMENT BOND BONDS 10/33 6%	11,485,000	3,009,978	2,814,363
POLAND GOVERNMENT BOND BONDS 10/34 5%	2,947,000	739,406	668,991
POLARIS NEWCO LLC 2ND LIEN TERM LOAN due 06/04/29	1,837,809	1,811,853	1,810,242
POPULAR ABS MORTGAGE PASS THRO POPLR 2006 E A3	699,460	694,690	677,920
PORSCHE FINANCIAL AUTO SECURIT PFAST 2023 1A A3 144A	4,758,732	4,757,722	4,768,958
PORSCHE FINANCIAL AUTO SECURIT PFAST 2023 2A A3 144A	468,000	467,976	471,977
PORSCHE FINANCIAL AUTO SECURIT PFAST 2024 1A A2A 144A	14,417,000	14,415,789	14,425,009
PORSCHE INNOVATIVE LEASE OWNER PILOT 2024 2A A2A 144A	6,470,000	6,469,972	6,466,948
POST HOLDINGS INC COMPANY GUAR 144A 03/33 6.375%	3,029,000	3,028,862	2,964,975
POST HOLDINGS INC COMPANY GUAR 144A 04/30 4.625%	2,725,000	2,780,497	2,513,126

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
POST HOLDINGS INC COMPANY GUAR 144A 10/34 6.25%	65,000	65,000	63,319
POST HOLDINGS INC COMPANY GUAR 144A 12/29 5.5%	200,000	205,415	193,522
POST HOLDINGS INC SR SECURED 144A 02/32 6.25	1,541,000	1,543,298	1,529,245
POST HOLDINGS INC SR UNSECURED 144A 09/31 4.5%	1,403,000	1,384,574	1,256,868
POWER FINANCE CORP LTD SR UNSECURED 144A 04/30 3.95%	300,000	312,588	279,377
PPG INDUSTRIES INC SR UNSECURED 03/28 3.75%	700,000	683,675	676,132
PPL ELECTRIC UTILITIES 1ST MORTGAGE 02/34 4.85	1,000,000	998,221	974,484
PRA GROUP INC COMPANY GUAR 144A 01/30 8.875	445,000	455,687	460,900
PRA GROUP INC COMPANY GUAR 144A 10/29 5%	230,000	208,041	210,389
PRA HEALTH SCIENCES INC 2024 US TERM LOAN B due 07/03/28	25,672	25,711	25,833
PRA HEALTH SCIENCES INC SR SECURED 144A 07/26 2.875%	589,000	589,874	567,116
PRAIRIE ECI ACQUIROR LP 2024 TERM LOAN due 08/01/29	497,500	491,153	500,609
PRECISION DRILLING CORP COMPANY GUAR 144A 01/26 7.125%	174,000	172,756	173,879
PRECISION DRILLING CORP COMPANY GUAR 144A 01/29 6.875%	370,000	368,668	366,629
PREGIS TOPCO CORPORATION TERM LOAN due 07/31/26	1,263,411	1,263,041	1,269,728
PREMIER ENTERTAINMENT SU COMPANY GUAR 144A 09/31 5.875%	200,000	198,643	145,500
PREMIER FOODS FINANCE SR SECURED REGS 10/26 3.5%	200,000	259,569	244,531
PRESBYTERIAN HEALTHCARE SER UNSECURED 08/52 4.875%	165,000	174,043	149,542
PRESTIGE BRANDS INC COMPANY GUAR 144A 01/28 5.125%	413,000	411,064	402,653
PRESTIGE BRANDS INC COMPANY GUAR 144A 04/31 3.75%	450,000	412,656	395,120
PRESTIGEBIDCO GMBH SR SECURED REGS 07/29 VAR	100,000	107,490	105,103
PRESTON RIDGE PARTNERS MORTGAG PRPM 2021 RPL1 A1 144A	708,264	708,258	643,977
PRESTON RIDGE PARTNERS MORTGAG PRPM 2021 RPL1 A2 144A	700,000	587,356	578,412
PRESTON RIDGE PARTNERS MORTGAG PRPM 2021 RPL2 A1 144A	1,301,551	1,208,043	1,187,187
PRESTON RIDGE PARTNERS MORTGAG PRPM 2022 INV1 A1 144A	1,260,478	1,227,159	1,239,818
PRESTON RIDGE PARTNERS MORTGAG PRPM 2023 NQM3 A1 144A	1,783,104	1,783,021	1,795,532
PRESTON RIDGE PARTNERS MORTGAG PRPM 2023 NQM3 A2 144A	671,286	671,247	678,537
PRETIUM MORTGAGE CREDIT PARTNE PRET 2024 RPL1 A1 144A	717,063	673,345	678,248
PRICOA GLOBAL FUNDING 1 SECURED 144A 05/28 5.1	500,000	499,816	504,231
PRICOA GLOBAL FUNDING 1 SECURED 144A 09/25 0.8%	2,000,000	1,948,004	1,950,401
PRIMARY PRODUCTS FINANCE LLC 2024 TERM LOAN B due 04/01/29	67,840	67,534	67,936
PRIME HEALTHCARE SERVICE SR SECURED 144A 09/29 9.375%	2,255,000	2,256,724	2,193,461
PRIME SECSRVC BRW/FINANC SECURED 144A 01/28 6.25%	5,594,000	5,438,504	5,563,544
PRIME SECSRVC BRW/FINANC SR SECURED 144A 04/26 5.75	6,000	6,031	5,997
PRIME SECSRVC BRW/FINANC SR SECURED 144A 08/27 3.375%	1,083,000	1,052,297	1,012,853
PRIMO WATER HOLDINGS INC COMPANY GUAR 144A 04/29 4.375%	2,914,000	2,694,549	2,709,796
PRINCIPAL FINANCIAL GRP COMPANY GUAR 06/30 2.125%	75,000	74,793	64,636
PRKCM TRUST PRKCM 2021 AFC1 A1 144A	381,142	319,945	313,229
PRKCM TRUST PRKCM 2021 AFC2 A1 144A	2,442,151	2,163,681	2,110,711
PRKCM TRUST PRKCM 2022 AFC1 A1A 144A	1,479,001	1,443,043	1,439,791
PRKCM TRUST PRKCM 2023 AFC1 A1 144A	424,756	426,978	427,873
PRKCM TRUST PRKCM 2023 AFC3 A1 144A	871,591	871,506	879,778
PRKCM TRUST PRKCM 2023 AFC4 A1 144A	3,363,247	3,362,930	3,426,074
PRO MACH GROUP INC 2024 1ST LIEN TERM LOAN B due 08/31/28	487,692	487,692	491,272
PROAMPAC PG BORROWER LLC 2024 TERM LOAN due 09/15/28	858,958	858,335	860,676
PRODIGY FINANCE DESIGNATED ACT PRDGY 2021 1A A 144A	93,149	93,149	92,377
PROG HOLDINGS INC COMPANY GUAR 144A 11/29 6%	405,000	403,399	388,932
PROGRESS RESIDENTIAL TRUST PROG 2021 SFR1 E 144A	1,244,000	1,105,270	1,199,509
PROGRESS RESIDENTIAL TRUST PROG 2021 SFR10 E1 144A	1,639,427	1,401,707	1,484,914
PROGRESS RESIDENTIAL TRUST PROG 2021 SFR6 E2 144A	1,324,000	1,154,554	1,265,369
PROGRESS RESIDENTIAL TRUST PROG 2021 SFR7 E1 144A	2,050,000	1,642,660	1,849,225
PROGRESS RESIDENTIAL TRUST PROG 2021 SFR8 E1 144A	1,500,000	1,311,262	1,423,481
PROGRESS RESIDENTIAL TRUST PROG 2022 SFR4 B 144A	11,000,000	10,996,125	10,698,956
PROGROUP AG SR SECURED REGS 04/29 5.125	100,000	106,925	101,777
PROGROUP AG SR SECURED REGS 04/31 5.375%	200,000	213,459	202,533
PROJECT ALPHA INTDT HLDNG INC 2024 ADD ON TERM LOAN B due 10/28/30	515,000	517,213	517,977
PROJECT ALPHA INTERME HLDG INC 2024 2ND LIEN INCREMENTAL TL due 11/22/32	425,000	422,875	430,049
PROJECT BOOST PURCHASER LLC 2024 TERM LOAN due 07/16/31	1,262,213	1,259,544	1,269,672
PROLOGIS LP SR UNSECURED 01/33 4.625%	700,000	698,117	675,120
PROLOGIS LP SR UNSECURED 07/30 1.75%	650,000	646,557	548,354
PROLOGIS TARGETED US COMPANY GUAR 144A 04/29 5.25	178,000	177,210	180,013

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
PROMIGAS/GASES PACIFICO SR UNSECURED 144A 10/29 3.75%	400,000	402,768	363,466
PROSUS NV SR UNSECURED 144A 01/27 3.257%	1,775,000	1,749,922	1,696,969
PROSUS NV SR UNSECURED 144A 01/32 4.193%	295,000	295,000	262,906
PROSUS NV SR UNSECURED 144A 02/51 3.832%	1,100,000	878,102	711,123
PROSUS NV SR UNSECURED 144A 07/31 3.061%	1,680,000	1,445,676	1,410,591
PROSUS NV SR UNSECURED REGS 01/27 3.257%	200,000	190,695	191,208
PROSUS NV SR UNSECURED REGS 01/30 3.68%	300,000	311,729	270,784
PROVIDENT FDG/PFG FIN SR UNSECURED 144A 09/29 9.75%	665,000	670,639	680,820
PROVIDENT FUNDING MORTGAGE TRU PFMT 2021 INV1 A4 144A	441,430	365,605	375,490
PROVIDUS CLO PRVD 5X D REGS	100,000	103,999	104,157
PROVINCE OF ALBERTA SR UNSECURED 01/34 4.5	3,100,000	3,037,338	2,997,115
PROVINCE OF QUEBEC SR UNSECURED 04/29 4.5	6,495,000	6,467,566	6,468,810
PROVINCE OF QUEBEC SR UNSECURED 09/34 4.25%	2,110,000	2,105,851	1,995,588
PRP ADVISORS, LLC PRPM 2024 NQM2 A1 144A	3,201,589	3,201,521	3,228,752
PRP ADVISORS, LLC PRPM 2024 RCF1 A1 144A	1,682,239	1,626,744	1,641,746
PRUDENTIAL FINANCIAL INC JR SUBORDINA 03/52 VAR	310,000	310,000	294,621
PRUDENTIAL FINANCIAL INC JR SUBORDINA 03/54 VAR	600,000	599,097	617,125
PRUDENTIAL FINANCIAL INC JR SUBORDINA 05/45 VAR	560,000	563,157	556,216
PRUDENTIAL FINANCIAL INC JR SUBORDINA 09/52 VAR	275,000	275,000	275,366
PT PERTAMINA (PERSERO) SR UNSECURED 144A 01/30 3.1%	500,000	520,056	450,410
PT PERTAMINA (PERSERO) SR UNSECURED 144A 07/49 4.7%	270,000	305,560	222,717
PT PERTAMINA (PERSERO) SR UNSECURED 144A 11/48 6.5%	380,000	474,238	395,963
PT PERTAMINA (PERSERO) SR UNSECURED REGS 01/50 4.175%	400,000	377,977	302,423
PT PERTAMINA (PERSERO) SR UNSECURED REGS 02/31 2.3	1,600,000	1,359,061	1,338,334
PT PERTAMINA (PERSERO) SR UNSECURED REGS 05/42 6%	200,000	237,980	195,629
PT PERTAMINA (PERSERO) SR UNSECURED REGS 05/43 5.625%	1,300,000	1,445,411	1,226,463
PT PERTAMINA (PERSERO) SR UNSECURED REGS 05/44 6.45%	400,000	419,938	410,763
PT PERTAMINA (PERSERO) SR UNSECURED REGS 08/30 3.1%	282,000	293,000	251,914
PT PERTAMINA (PERSERO) SR UNSECURED REGS 11/48 6.5%	200,000	275,882	208,401
PTC INC COMPANY GUAR 144A 02/25 3.625%	4,000	4,000	3,989
PUB SVC ELEC + GAS 1ST REF MORT 12/36 5.7	62,000	63,751	63,239
PUBLIC SERVICE ELECTRIC SECURED 08/54 5.3%	210,000	209,039	200,224
PUBLIC SERVICE OKLAHOMA SR UNSECURED 01/35 5.2%	2,940,000	2,929,714	2,853,075
Q PARK HOLDING I BV SR SECURED REGS 02/30 5.125	110,000	117,942	116,987
Q PARK HOLDING I BV SR SECURED REGS 03/29 5.125	128,000	140,384	136,720
QATAR ENERGY SR UNSECURED REGS 07/41 3.125%	1,768,000	1,569,425	1,305,456
QUALITYTECH LP TERM LOAN B due 10/30/31	875,000	866,442	877,188
QUANTA SERVICES INC SR UNSECURED 08/34 5.25%	1,359,000	1,349,879	1,328,878
QUEENS HEALTH SYSTEMS SECURED 07/52 4.81%	200,000	209,794	180,194
QUIKRETE HOLDINGS, INC. 2024 TERM LOAN B1 due 03/19/29	439,308	439,308	438,803
QVC INC SR SECURED 02/25 4.45%	600,000	597,799	596,114
QVC INC SR SECURED 144A 04/29 6.875%	3,390,000	3,071,309	2,759,178
RACE POINT CLO LTD RACEP 2015 9A A1A2 144A	87,910	86,571	88,001
RAD CLO LTD RAD 2020 7A CR 144A	1,000,000	1,000,000	1,003,822
RADIAN GROUP INC SR UNSECURED 05/29 6.2	900,000	898,639	923,804
RADIATE HOLDCO / FINANCE SR SECURED 144A 09/26 4.5%	1,769,000	1,623,461	1,544,305
RAILWORKS HOLDINGS LP/R SECURED 144A 11/28 8.25%	905,000	864,246	905,548
RAISING CANE S RESTAURAN SR UNSECURED 144A 05/29 9.375%	490,000	490,000	524,918
RAIZEN FUELS FINANCE COMPANY GUAR 144A 03/34 6.45	871,000	868,799	860,909
RAKUTEN GROUP INC SR UNSECURED 144A 04/29 9.75	2,257,000	2,366,793	2,442,239
RANGE RESOURCES CORP COMPANY GUAR 144A 02/30 4.75	1,660,000	1,585,325	1,557,926
RAVEN ACQUISITION HOLDIN SR SECURED 144A 11/31 6.875%	1,780,000	1,780,079	1,762,144
RAVEN ACQUISITION HOLDINGS LLC DELAYED DRAW TERM LOAN due 11/19/31	4,211	4,190	4,217
RAVEN ACQUISITION HOLDINGS LLC TERM LOAN B due 11/19/31	58,947	58,657	59,043
RCI BANQUE SA SUBORDINATED REGS 02/30 VAR	400,000	412,613	412,525
RCI BANQUE SA SUBORDINATED REGS 10/34 VAR	500,000	555,374	529,353
RCS + RDS SA SR SECURED REGS 02/28 3.25	100,000	102,051	99,970
REAL HERO MERGER SUB 2 SR UNSECURED 144A 02/29 6.25%	1,816,000	1,687,209	1,561,400
REALOGY GROUP/CO ISSUER COMPANY GUAR 144A 01/29 5.75%	1,578,000	1,496,675	1,262,125
REALTY INCOME CORP COMPANY GUAR 01/30 3.4	800,000	816,560	743,347
REALTY INCOME CORP SR UNSECURED 12/32 2.85%	500,000	518,564	421,896

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
RECESS HOLDINGS, INC. 2024 TERM LOAN B due 02/20/30	372,188	367,403	375,329
RECETTE CLO LLC RCTTE 2015 1A BRR 144A	250,000	250,000	250,038
REGATTA XV FUNDING LTD. REG15 2018 4A A2R 144A	370,000	370,000	370,366
REGATTA XVIII FUNDING LTD REG18 2021 1A A1 144A	250,000	250,437	250,415
REGATTA XVIII FUNDING LTD REG18 2021 1A B 144A	830,000	830,329	834,236
REGATTA XXIX FUNDING LTD. REG29 2024 3A B 144A	3,750,000	3,750,000	3,774,695
REGATTA XXVIII FUNDING LTD. REG28 2024 2A A1 144A	1,000,000	1,000,000	1,005,325
REGIONAL MANAGEMENT ISSUANCE T RMIT 2021 2 A 144A	695,000	694,961	644,962
REGIONAL MANAGEMENT ISSUANCE T RMIT 2024 1 A 144A	726,000	725,858	738,406
REGIONAL MANAGEMENT ISSUANCE T RMIT 2024 2 A 144A	283,000	282,967	283,126
REGIONAL MANAGEMENT ISSUANCE T RMIT 2024 2 B 144A	100,000	99,987	99,947
REGIONAL MANAGEMENT ISSUANCE T RMIT 2024 2 C 144A	100,000	99,995	99,930
RELIANCE INDUSTRIES LTD SR UNSECURED 144A 01/32 2.875%	550,000	510,562	467,501
RELIANCE INDUSTRIES LTD SR UNSECURED 144A 01/52 3.625%	580,000	424,828	400,328
RENAISSANCE HOLDING CORP 2024 1ST LIEN TERM LOAN due 04/05/30	1,618,681	1,618,681	1,613,517
RENEW POWER PVT LTD SR SECURED REGS 03/27 5.875%	200,000	205,964	195,752
REPSOL EUROPE FINANCE COMPANY GUAR REGS 09/34 3.625%	500,000	547,354	516,620
REPSOL INTL FINANCE COMPANY GUAR REGS VAR	2,400,000	2,617,808	2,483,237
REPUBLIC OF ANGOLA SR UNSECURED 144A 04/32 8.75%	620,000	569,279	547,916
REPUBLIC OF ANGOLA SR UNSECURED 144A 05/28 8.25%	2,700,000	2,600,821	2,538,000
REPUBLIC OF ANGOLA SR UNSECURED 144A 05/48 9.375%	485,000	469,870	397,700
REPUBLIC OF ANGOLA SR UNSECURED 144A 11/25 9.5%	470,000	465,947	470,588
REPUBLIC OF ANGOLA SR UNSECURED 144A 11/29 8%	880,000	803,980	786,662
REPUBLIC OF ANGOLA SR UNSECURED REGS 04/32 8.75%	483,000	442,146	426,844
REPUBLIC OF ANGOLA SR UNSECURED REGS 05/28 8.25%	530,000	511,082	497,347
REPUBLIC OF ANGOLA SR UNSECURED REGS 05/48 9.375%	1,001,000	919,065	819,859
REPUBLIC OF ANGOLA SR UNSECURED REGS 11/29 8%	961,000	880,468	859,071
REPUBLIC OF ANGOLA SR UNSECURED REGS 11/49 9.125%	2,376,000	1,861,837	1,906,600
REPUBLIC OF ARGENTINA SR UNSECURED 01/38 VAR	2,006,000	917,971	1,402,372
REPUBLIC OF ARGENTINA SR UNSECURED 07/29 1%	1,110,000	600,309	901,320
REPUBLIC OF ARGENTINA SR UNSECURED 07/30 VAR	7,737,121	5,202,191	5,962,612
REPUBLIC OF ARGENTINA SR UNSECURED 07/35 VAR	5,246,538	2,275,462	3,479,271
REPUBLIC OF ARGENTINA SR UNSECURED 07/41 VAR	7,386,798	3,382,643	4,610,605
REPUBLIC OF ARMENIA SR UNSECURED 144A 02/31 3.6%	210,000	186,337	172,810
REPUBLIC OF CAMEROON SR UNSECURED REGS 07/31 9.5%	200,000	195,834	188,792
REPUBLIC OF CHILE SR UNSECURED 01/27 2.75%	200,000	189,663	190,415
REPUBLIC OF CHILE SR UNSECURED 01/31 2.45%	2,100,000	1,840,302	1,797,546
REPUBLIC OF CHILE SR UNSECURED 01/36 4.95	3,284,568	3,236,648	3,104,578
REPUBLIC OF CHILE SR UNSECURED 01/54 5.33%	205,929	198,680	190,340
REPUBLIC OF CHILE SR UNSECURED 01/61 3.1%	703,000	600,945	414,365
REPUBLIC OF CHILE SR UNSECURED 02/28 3.24%	200,000	208,646	189,133
REPUBLIC OF CHILE SR UNSECURED 03/42 4.34%	200,000	199,855	167,407
REPUBLIC OF CHILE SR UNSECURED 05/41 3.1%	1,071,000	949,311	764,542
REPUBLIC OF CHILE SR UNSECURED 06/47 3.86%	315,000	246,903	235,313
REPUBLIC OF CHILE SR UNSECURED 07/33 2.55%	200,000	169,658	160,956
REPUBLIC OF COLOMBIA SR UNSECURED 01/26 4.5%	400,000	402,908	394,600
REPUBLIC OF COLOMBIA SR UNSECURED 01/30 3%	1,130,000	1,152,355	935,075
REPUBLIC OF COLOMBIA SR UNSECURED 01/41 6.125%	1,380,000	1,346,214	1,126,190
REPUBLIC OF COLOMBIA SR UNSECURED 02/34 7.5%	455,000	452,051	447,493
REPUBLIC OF COLOMBIA SR UNSECURED 02/42 4.125%	1,420,000	936,496	894,628
REPUBLIC OF COLOMBIA SR UNSECURED 02/44 5.625%	3,417,000	2,844,188	2,511,495
REPUBLIC OF COLOMBIA SR UNSECURED 02/61 3.875%	1,000,000	713,133	516,000
REPUBLIC OF COLOMBIA SR UNSECURED 04/27 3.875%	2,241,000	2,253,471	2,139,740
REPUBLIC OF COLOMBIA SR UNSECURED 04/31 3.125%	1,040,000	1,054,547	825,240
REPUBLIC OF COLOMBIA SR UNSECURED 04/32 3.25%	665,000	660,469	509,058
REPUBLIC OF COLOMBIA SR UNSECURED 04/33 8%	963,000	969,262	984,668
REPUBLIC OF COLOMBIA SR UNSECURED 05/51 4.125	417,000	344,028	237,903
REPUBLIC OF COLOMBIA SR UNSECURED 06/45 5%	3,170,000	2,438,993	2,136,580
REPUBLIC OF COLOMBIA SR UNSECURED 09/37 7.375%	5,216,000	6,066,488	4,960,468
REPUBLIC OF COLOMBIA SR UNSECURED 11/35 8%	2,340,000	2,423,765	2,352,870
REPUBLIC OF COLOMBIA SR UNSECURED 11/36 7.75%	1,456,000	1,452,390	1,423,822

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
REPUBLIC OF COLOMBIA SR UNSECURED 11/53 8.75%	1,460,000	1,490,563	1,474,439
REPUBLIC OF ECUADOR SR UNSECURED 144A 07/30 0.0000%	1,385,848	741,027	755,668
REPUBLIC OF ECUADOR SR UNSECURED 144A 07/30 VAR	994,194	764,552	691,101
REPUBLIC OF ECUADOR SR UNSECURED 144A 07/35 VAR	2,765,972	1,766,619	1,566,794
REPUBLIC OF ECUADOR SR UNSECURED 144A 07/40 VAR	2,810,000	1,359,939	1,435,966
REPUBLIC OF ECUADOR SR UNSECURED REGS 07/30 VAR	2,958,811	1,893,197	2,056,778
REPUBLIC OF ECUADOR SR UNSECURED REGS 07/35 VAR	623,045	232,656	352,926
REPUBLIC OF ECUADOR SR UNSECURED REGS 07/40 VAR	1,301,108	573,034	664,892
REPUBLIC OF EL SALVADOR SR UNSECURED 144A 02/41 7.625%	270,000	142,406	250,425
REPUBLIC OF EL SALVADOR SR UNSECURED 144A 04/30 0.25	1,600,000	11,821	29,315
REPUBLIC OF EL SALVADOR SR UNSECURED 144A 04/30 9.25	1,200,000	1,089,517	1,269,000
REPUBLIC OF EL SALVADOR SR UNSECURED 144A 04/32 8.25%	365,000	304,235	369,471
REPUBLIC OF EL SALVADOR SR UNSECURED 144A 07/52 9.5%	320,000	182,884	333,472
REPUBLIC OF EL SALVADOR SR UNSECURED 144A 11/54 9.65%	1,900,000	1,900,000	2,006,799
REPUBLIC OF EL SALVADOR SR UNSECURED REGS 01/50 7.1246	1,338,000	924,808	1,127,265
REPUBLIC OF EL SALVADOR SR UNSECURED REGS 06/35 7.65	283,000	219,899	273,237
REPUBLIC OF GABON SR UNSECURED 144A 02/31 6.625%	500,000	487,332	371,403
REPUBLIC OF GABON SR UNSECURED 144A 11/31 7%	590,000	486,727	437,841
REPUBLIC OF GABON SR UNSECURED REGS 02/31 6.625%	1,056,000	980,619	784,402
REPUBLIC OF GHANA SR UNSECURED 144A 01/30 0.0000%	600,800	469,347	465,800
REPUBLIC OF GHANA SR UNSECURED 144A 07/26 0.0000%	394,810	368,057	366,151
REPUBLIC OF GHANA SR UNSECURED 144A 07/29 VAR	4,162,806	3,674,595	3,590,420
REPUBLIC OF GHANA SR UNSECURED 144A 07/35 VAR	5,416,266	3,911,194	3,802,056
REPUBLIC OF GUATEMALA SR UNSECURED 144A 02/28 4.875%	960,000	1,001,045	924,480
REPUBLIC OF GUATEMALA SR UNSECURED 144A 02/37 6.55%	3,510,000	3,510,000	3,450,330
REPUBLIC OF GUATEMALA SR UNSECURED 144A 04/32 5.375%	200,000	193,174	188,500
REPUBLIC OF GUATEMALA SR UNSECURED 144A 05/26 4.5%	670,000	678,554	656,265
REPUBLIC OF GUATEMALA SR UNSECURED 144A 06/36 6.6%	200,000	200,000	197,600
REPUBLIC OF GUATEMALA SR UNSECURED 144A 06/50 6.125%	200,000	258,627	177,000
REPUBLIC OF GUATEMALA SR UNSECURED 144A 08/31 6.05%	315,000	315,000	308,070
REPUBLIC OF GUATEMALA SR UNSECURED 144A 10/32 7.05%	230,000	236,322	237,705
REPUBLIC OF GUATEMALA SR UNSECURED 144A 10/41 4.65%	625,000	536,455	478,750
REPUBLIC OF GUATEMALA SR UNSECURED REGS 04/32 5.375	200,000	221,745	188,500
REPUBLIC OF GUATEMALA SR UNSECURED REGS 06/36 6.6%	218,000	224,116	215,384
REPUBLIC OF GUATEMALA SR UNSECURED REGS 06/50 6.125%	1,400,000	1,559,747	1,239,000
REPUBLIC OF GUATEMALA SR UNSECURED REGS 10/41 4.65%	200,000	154,872	153,200
REPUBLIC OF GUATEMALA UNSECURED 144A 08/29 5.25%	200,000	198,389	191,900
REPUBLIC OF INDONESIA SR UNSECURED 01/28 4.55%	602,000	597,805	593,230
REPUBLIC OF INDONESIA SR UNSECURED 02/29 4.75%	400,000	444,747	394,645
REPUBLIC OF INDONESIA SR UNSECURED 02/30 2.85%	2,110,000	2,113,674	1,888,360
REPUBLIC OF INDONESIA SR UNSECURED 03/31 1.85%	470,000	457,911	385,196
REPUBLIC OF INDONESIA SR UNSECURED 04/28 4.1%	239,000	235,364	231,396
REPUBLIC OF INDONESIA SR UNSECURED 04/70 4.45%	1,160,000	968,968	922,053
REPUBLIC OF INDONESIA SR UNSECURED 07/31 2.15%	4,415,000	3,867,760	3,653,017
REPUBLIC OF INDONESIA SR UNSECURED 09/27 4.15%	200,000	198,734	195,779
REPUBLIC OF INDONESIA SR UNSECURED 09/32 4.65%	435,000	430,836	415,325
REPUBLIC OF INDONESIA SR UNSECURED 10/30 3.85%	240,000	239,385	224,027
REPUBLIC OF INDONESIA SR UNSECURED 10/50 4.2%	535,000	468,716	432,169
REPUBLIC OF INDONESIA SR UNSECURED 144A 01/27 4.35%	1,095,000	1,150,730	1,081,622
REPUBLIC OF INDONESIA SR UNSECURED 144A 01/38 7.75%	430,000	629,760	518,553
REPUBLIC OF INDONESIA SR UNSECURED 144A 01/42 5.25	250,000	240,527	240,969
REPUBLIC OF INDONESIA SR UNSECURED 144A 10/35 8.5%	380,000	565,271	472,628
REPUBLIC OF INDONESIA SR UNSECURED REGS 01/38 7.75%	536,000	712,629	646,383
REPUBLIC OF INDONESIA SR UNSECURED REGS 01/42 5.25%	420,000	458,460	404,827
REPUBLIC OF INDONESIA SR UNSECURED REGS 01/46 5.95%	456,000	550,916	470,480
REPUBLIC OF INDONESIA SR UNSECURED REGS 01/47 5.25%	210,000	235,528	199,507
REPUBLIC OF INDONESIA SR UNSECURED REGS 02/37 6.625%	324,000	390,705	356,019
REPUBLIC OF INDONESIA SR UNSECURED REGS 07/47 4.75	420,000	438,958	377,729
REPUBLIC OF INDONESIA SR UNSECURED REGS 10/35 8.5%	392,000	515,199	487,553
REPUBLIC OF KAZAKHSTAN SR UNSECURED 144A 04/35 4.714%	1,557,000	1,557,000	1,484,187
REPUBLIC OF KAZAKHSTAN SR UNSECURED REGS 07/45 6.5%	569,000	748,014	613,831

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
REPUBLIC OF KAZAKHSTAN SR UNSECURED REGS 11/28 2.375%	300,000	378,958	301,340
REPUBLIC OF KENYA SR UNSECURED 144A 01/34 6.3%	300,000	299,995	235,839
REPUBLIC OF KENYA SR UNSECURED 144A 02/28 7.25%	530,000	468,534	504,825
REPUBLIC OF KENYA SR UNSECURED 144A 02/31 9.75	200,000	195,033	197,500
REPUBLIC OF KENYA SR UNSECURED REGS 02/48 8.25%	330,000	255,216	271,385
REPUBLIC OF KENYA SR UNSECURED REGS 05/32 8%	229,000	199,585	207,716
REPUBLIC OF NAMIBIA SR UNSECURED 144A 10/25 5.25%	460,000	451,675	455,170
REPUBLIC OF NIGERIA SR UNSECURED 144A 01/31 8.747%	720,000	796,015	692,066
REPUBLIC OF NIGERIA SR UNSECURED 144A 02/30 7.143%	355,000	320,406	320,903
REPUBLIC OF NIGERIA SR UNSECURED 144A 02/38 7.696%	335,000	241,418	272,751
REPUBLIC OF NIGERIA SR UNSECURED 144A 03/29 8.375%	955,000	897,724	927,424
REPUBLIC OF NIGERIA SR UNSECURED 144A 06/31 9.625%	572,000	572,000	570,398
REPUBLIC OF NIGERIA SR UNSECURED 144A 09/28 6.125%	555,000	522,347	502,349
REPUBLIC OF NIGERIA SR UNSECURED 144A 09/33 7.375%	1,710,000	1,679,402	1,460,398
REPUBLIC OF NIGERIA SR UNSECURED 144A 09/51 8.25%	665,000	484,230	529,536
REPUBLIC OF NIGERIA SR UNSECURED 144A 11/25 7.625%	450,000	463,361	447,750
REPUBLIC OF NIGERIA SR UNSECURED 144A 11/27 6.5%	415,000	424,709	393,427
REPUBLIC OF NIGERIA SR UNSECURED 144A 12/34 10.375%	200,000	200,000	204,027
REPUBLIC OF NIGERIA SR UNSECURED REGS 01/49 9.248%	200,000	234,214	180,950
REPUBLIC OF NIGERIA SR UNSECURED REGS 02/32 7.875%	290,000	315,637	260,566
REPUBLIC OF NIGERIA SR UNSECURED REGS 02/38 7.696%	629,000	564,053	512,120
REPUBLIC OF NIGERIA SR UNSECURED REGS 09/33 7.375%	612,000	450,543	522,669
REPUBLIC OF NIGERIA SR UNSECURED REGS 11/27 6.5%	1,200,000	1,132,065	1,137,622
REPUBLIC OF NIGERIA SR UNSECURED REGS 11/47 7.625%	3,644,000	2,734,226	2,778,539
REPUBLIC OF PANAMA SR UNSECURED 01/30 3.16%	760,000	656,390	634,288
REPUBLIC OF PANAMA SR UNSECURED 01/36 6.7%	586,000	714,099	542,921
REPUBLIC OF PANAMA SR UNSECURED 01/63 4.5%	1,000,000	954,699	584,948
REPUBLIC OF PANAMA SR UNSECURED 02/35 6.4%	3,000,000	2,835,372	2,719,248
REPUBLIC OF PANAMA SR UNSECURED 03/25 3.75	700,000	696,652	693,700
REPUBLIC OF PANAMA SR UNSECURED 03/28 3.875%	450,000	430,213	414,703
REPUBLIC OF PANAMA SR UNSECURED 03/31 7.5	1,685,000	1,739,914	1,706,713
REPUBLIC OF PANAMA SR UNSECURED 03/38 8	1,225,000	1,224,998	1,228,197
REPUBLIC OF PANAMA SR UNSECURED 04/29 9.375%	1,085,000	1,342,226	1,195,670
REPUBLIC OF PANAMA SR UNSECURED 04/50 4.5%	535,000	402,595	329,839
REPUBLIC OF PANAMA SR UNSECURED 04/53 4.3%	603,000	611,874	352,514
REPUBLIC OF PANAMA SR UNSECURED 04/56 4.5%	1,467,000	1,406,591	862,496
REPUBLIC OF PANAMA SR UNSECURED 05/47 4.5%	400,000	388,063	256,571
REPUBLIC OF PANAMA SR UNSECURED 07/60 3.87%	358,000	263,823	186,945
REPUBLIC OF PANAMA SR UNSUB 09/32 2.252%	3,355,000	2,658,875	2,345,172
REPUBLIC OF PARAGUAY SR UNSECURED 144A 03/48 5.6%	400,000	498,078	348,400
REPUBLIC OF PARAGUAY SR UNSECURED 144A 03/50 5.4%	4,325,000	3,981,555	3,661,113
REPUBLIC OF PARAGUAY SR UNSECURED 144A 04/31 4.95%	330,000	319,786	315,645
REPUBLIC OF PARAGUAY SR UNSECURED 144A 08/33 5.85%	645,000	654,645	632,745
REPUBLIC OF PARAGUAY SR UNSECURED 144A 08/44 6.1%	200,000	213,587	188,600
REPUBLIC OF PARAGUAY SR UNSECURED REGS 02/36 6%	212,000	212,000	210,092
REPUBLIC OF PARAGUAY SR UNSECURED REGS 03/27 4.7%	200,000	211,471	196,200
REPUBLIC OF PARAGUAY SR UNSECURED REGS 03/48 5.6%	219,000	208,297	190,749
REPUBLIC OF PARAGUAY SR UNSECURED REGS 03/50 5.4%	1,100,000	1,259,743	931,150
REPUBLIC OF PARAGUAY SR UNSECURED REGS 08/33 5.85%	637,000	622,235	624,897
REPUBLIC OF PERU 8.75% due 11/21/33	1,643,000	2,293,238	1,950,089
REPUBLIC OF PERU SR UNSECURED 01/31 2.783%	76,000	66,524	64,790
REPUBLIC OF PERU SR UNSECURED 01/34 3%	1,222,000	1,104,024	980,655
REPUBLIC OF PERU SR UNSECURED 01/72 3.6%	1,330,000	890,298	808,773
REPUBLIC OF PERU SR UNSECURED 02/35 5.375%	2,349,000	2,418,549	2,255,453
REPUBLIC OF PERU SR UNSECURED 03/37 6.55%	200,000	278,583	208,200
REPUBLIC OF PERU SR UNSECURED 03/41 3.3%	432,000	333,944	310,997
REPUBLIC OF PERU SR UNSECURED 08/54 5.875%	2,605,000	2,593,580	2,482,148
REPUBLIC OF PERU SR UNSECURED 11/50 5.625%	836,000	1,013,553	782,078
REPUBLIC OF PERU SR UNSECURED 12/32 1.862%	96,000	85,881	72,528
REPUBLIC OF PERU SR UNSECURED 12/60 2.78%	1,226,000	970,525	644,263
REPUBLIC OF PERU SR UNSECURED 12/99 3.23%	325,000	249,710	170,593

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities

Retirement Assets

Issuer Name	Par Value	Book Value	Market Value
REPUBLIC OF PERU SR UNSECURED 144A 08/37 6.9%	5,345,000	1,374,886	1,419,130
REPUBLIC OF PHILIPPINES SR UNSECURED 01/31 7.75%	533,000	650,238	601,020
REPUBLIC OF PHILIPPINES SR UNSECURED 01/36 6.25	10,000,000	167,351	172,161
REPUBLIC OF PHILIPPINES SR UNSECURED 01/40 3.95%	1,135,000	1,098,415	943,724
REPUBLIC OF PHILIPPINES SR UNSECURED 01/48 5.5%	365,000	376,454	355,619
REPUBLIC OF PHILIPPINES SR UNSECURED 02/30 9.5%	446,000	580,853	532,904
REPUBLIC OF PHILIPPINES SR UNSECURED 03/25 10.625%	257,000	261,570	260,058
REPUBLIC OF PHILIPPINES SR UNSECURED 03/41 3.7%	480,000	397,585	381,948
REPUBLIC OF PHILIPPINES SR UNSECURED 03/47 4.2%	200,000	187,260	161,017
REPUBLIC OF PHILIPPINES SR UNSECURED 10/34 6.375%	920,000	1,170,322	989,460
REPUBLIC OF POLAND SR UNSECURED 03/54 5.5	2,340,000	2,318,234	2,156,832
REPUBLIC OF POLAND SR UNSECURED 04/53 5.5%	937,000	924,136	865,904
REPUBLIC OF POLAND SR UNSECURED 09/34 5.125	549,000	543,595	531,843
REPUBLIC OF POLAND SR UNSECURED 10/33 4.875%	3,815,000	3,793,559	3,665,559
REPUBLIC OF POLAND SR UNSECURED 11/27 5.5%	461,000	461,200	469,644
REPUBLIC OF SENEGAL SR UNSECURED 144A 03/48 6.75	510,000	373,879	345,470
REPUBLIC OF SENEGAL SR UNSECURED REGS 03/28 4.75%	300,000	339,288	285,021
REPUBLIC OF SENEGAL SR UNSECURED REGS 03/48 6.75	1,000,000	743,559	675,140
REPUBLIC OF SENEGAL SR UNSECURED REGS 05/33 6.25%	2,974,000	2,588,473	2,372,404
REPUBLIC OF SENEGAL SR UNSECURED REGS 06/31 7.75	1,400,000	1,322,317	1,249,523
REPUBLIC OF SERBIA SR UNSECURED 144A 06/34 6	560,000	560,000	550,797
REPUBLIC OF SERBIA SR UNSECURED 144A 09/33 6.5%	330,000	334,344	338,876
REPUBLIC OF SERBIA SR UNSECURED 144A 12/30 2.125%	1,130,000	923,772	917,556
REPUBLIC OF SERBIA SR UNSECURED REGS 03/33 1.65%	1,400,000	1,661,786	1,160,824
REPUBLIC OF SERBIA SR UNSECURED REGS 06/29 1.5%	1,500,000	1,360,333	1,398,654
REPUBLIC OF SERBIA SR UNSECURED REGS 06/34 6%	200,000	195,925	196,713
REPUBLIC OF SERBIA SR UNSECURED REGS 12/30 2.125	2,206,000	1,793,805	1,791,264
REPUBLIC OF SOUTH AFRICA BONDS 03/33 10%	16,400,000	973,430	866,385
REPUBLIC OF SOUTH AFRICA SR UNSECURED 01/30 8%	13,700,000	771,261	695,418
REPUBLIC OF SOUTH AFRICA SR UNSECURED 01/37 8.5%	32,401,636	1,517,207	1,457,118
REPUBLIC OF SOUTH AFRICA SR UNSECURED 01/44 8.75%	35,457,642	1,628,961	1,524,085
REPUBLIC OF SOUTH AFRICA SR UNSECURED 02/35 8.875%	168,284,300	8,126,432	8,117,011
REPUBLIC OF SOUTH AFRICA SR UNSECURED 02/41 6.5%	15,265,000	621,300	539,954
REPUBLIC OF SOUTH AFRICA SR UNSECURED 02/48 8.75%	45,393,593	2,249,536	1,933,172
REPUBLIC OF SOUTH AFRICA SR UNSECURED 03/32 8.25%	89,672,712	5,138,256	4,398,495
REPUBLIC OF SOUTH AFRICA SR UNSECURED 03/36 6.25%	10,595,000	517,250	404,363
REPUBLIC OF SOUTH AFRICA SR UNSECURED 03/41 6.25%	200,000	214,482	172,258
REPUBLIC OF SOUTH AFRICA SR UNSECURED 04/32 5.875%	1,305,000	1,227,756	1,225,121
REPUBLIC OF SOUTH AFRICA SR UNSECURED 04/52 7.3%	2,474,000	2,269,240	2,242,149
REPUBLIC OF SOUTH AFRICA SR UNSECURED 06/30 5.875%	520,000	496,689	498,105
REPUBLIC OF SOUTH AFRICA SR UNSECURED 09/27 4.85%	810,000	837,632	789,541
REPUBLIC OF SOUTH AFRICA SR UNSECURED 09/47 5.65%	2,977,000	2,568,671	2,225,599
REPUBLIC OF SOUTH AFRICA SR UNSECURED 09/49 5.75%	3,190,000	2,866,432	2,391,224
REPUBLIC OF SOUTH AFRICA SR UNSECURED 10/28 4.3%	1,786,000	1,746,318	1,670,665
REPUBLIC OF SOUTH AFRICA SR UNSECURED 10/46 5%	555,000	407,707	382,950
REPUBLIC OF SOUTH AFRICA SR UNSECURED 144A 11/36 7.1%	455,000	455,000	443,492
REPUBLIC OF SOUTH AFRICA SR UNSECURED 144A 11/54 7.95%	1,150,000	1,150,000	1,103,556
REPUBLIC OF SRI LANKA SR UNSECURED 144A 01/30 VAR	178,173	137,010	146,547
REPUBLIC OF SRI LANKA SR UNSECURED 144A 02/38 VAR	327,693	222,226	248,653
REPUBLIC OF SRI LANKA SR UNSECURED 144A 03/29 7.85%	670,000	498,610	438,013
REPUBLIC OF SRI LANKA SR UNSECURED 144A 03/33 VAR	349,485	245,477	263,442
REPUBLIC OF SRI LANKA SR UNSECURED 144A 04/28 4%	238,763	223,974	222,360
REPUBLIC OF SRI LANKA SR UNSECURED 144A 05/36 VAR	163,777	112,727	123,652
REPUBLIC OF SRI LANKA SR UNSECURED 144A 06/35 VAR	235,984	171,547	169,319
REPUBLIC OF SRI LANKA SR UNSECURED 144A 07/22 5.875%	350,000	350,000	219,011
REPUBLIC OF SRI LANKA SR UNSECURED 144A 07/26 6.825%	510,000	425,502	330,786
REPUBLIC OF TURKIYE SR UNSECURED 01/28 9.875%	860,000	893,823	949,763
REPUBLIC OF TURKIYE SR UNSECURED 01/33 9.375%	200,000	207,510	224,750
REPUBLIC OF TURKIYE SR UNSECURED 01/35 6.5%	776,000	762,253	725,511
REPUBLIC OF TURKIYE SR UNSECURED 01/41 6%	3,275,000	2,818,344	2,690,629
REPUBLIC OF TURKIYE SR UNSECURED 03/27 6%	285,000	286,945	285,452

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
REPUBLIC OF TURKIYE SR UNSECURED 03/29 9.375%	1,990,000	2,045,633	2,193,975
REPUBLIC OF TURKIYE SR UNSECURED 03/30 5.25%	2,164,000	2,099,565	2,020,278
REPUBLIC OF TURKIYE SR UNSECURED 04/43 4.875%	3,257,000	2,581,731	2,263,390
REPUBLIC OF TURKIYE SR UNSECURED 05/30 5.875	510,000	548,966	553,378
REPUBLIC OF TURKIYE SR UNSECURED 05/34 7.625	615,000	605,158	624,513
REPUBLIC OF TURKIYE SR UNSECURED 05/47 5.75%	2,916,000	2,112,476	2,168,752
REPUBLIC OF TURKIYE SR UNSECURED 07/30 9.125%	1,335,000	1,355,027	1,474,748
REPUBLIC OF TURKIYE SR UNSECURED 07/32 7.125%	1,717,000	1,699,813	1,701,976
REPUBLIC OF UZBEKISTAN SR UNSECURED 144A 02/29 5.375%	720,000	706,563	676,570
REPUBLIC OF UZBEKISTAN SR UNSECURED 144A 11/30 3.7%	945,000	868,901	787,280
REPUBLIC OF ZAMBIA UNSECURED 144A 06/33 VAR	1,816,076	1,609,715	1,593,607
REPUBLIC OF ZAMBIA UNSECURED 144A 12/53 0.5%	225,000	109,727	128,813
REPUBLIC OF ZAMBIA UNSECURED REGS 06/33 VAR	525,212	469,592	460,874
REPUBLIC OF ZAMBIA UNSECURED REGS 12/53 0.5%	521,000	272,830	298,273
REPUBLIC SERVICES INC SR UNSECURED 03/25 3.2%	600,000	597,582	597,965
REPUBLIC SERVICES INC SR UNSECURED 04/29 4.875%	650,000	647,982	648,378
REPUBLIC SERVICES INC SR UNSECURED 05/28 3.95%	1,360,000	1,408,834	1,324,334
REPUBLICA ORIENT URUGUAY 5.10% due 06/18/50	1,330,000	1,732,718	1,220,955
REPUBLICA ORIENT URUGUAY 5.75% due 10/28/34	871,739	891,249	895,824
REPUBLICA ORIENT URUGUAY SR UNSECURED 01/31 4.375%	6,543	7,434	6,340
REPUBLICA ORIENT URUGUAY SR UNSECURED 01/33 7.875%	682,000	892,650	790,496
REPUBLICA ORIENT URUGUAY SR UNSECURED 03/36 7.625%	508,824	691,360	592,933
REPUBLICA ORIENT URUGUAY SR UNSECURED 04/55 4.975%	933,000	1,122,633	824,763
REPUBLICA ORIENT URUGUAY SR UNSECURED 05/31 8.25%	7,782,071	178,783	165,930
REPUBLICA ORIENT URUGUAY SR UNSECURED 09/60 5.25%	949,021	942,568	863,594
REPUBLICA ORIENT URUGUAY SR UNSECURED 11/45 4.125%	431,000	459,952	359,544
RESIDENTIAL ACCREDIT LOANS, IN RALI 2002 QS16 A1	274	274	30
RESIDENTIAL ACCREDIT LOANS, IN RALI 2006 QO1 2A1	109,031	69,786	57,320
RESIDENTIAL ACCREDIT LOANS, IN RALI 2006 QO5 2A2	4,600	170	1,169
RESIDENTIAL ACCREDIT LOANS, IN RALI 2007 QO3 A1	763,318	489,967	688,315
RESIDENTIAL ACCREDIT LOANS, IN RALI 2007 QO4 A1	225,801	147,065	201,277
RESIDENTIAL ACCREDIT LOANS, IN RALI 2007 QO4 A2	210,725	54,972	286,473
RESIDENTIAL ASSET SECURITIES C RASC 2005 KS9 M6	3,400,000	3,398,241	3,351,420
RESIDEO FUNDING INC COMPANY GUAR 144A 07/32 6.5%	535,000	535,000	535,680
RESIDEO FUNDING INC COMPANY GUAR 144A 09/29 4%	888,000	833,033	804,368
RETAIL OPPORTUNITY IN COMPANY GUAR 10/28 6.75%	1,187,000	1,182,544	1,258,503
REXFORD INDUSTRIAL REALT COMPANY GUAR 12/30 2.125%	225,000	223,908	188,226
REYNOLDS AMERICAN INC COMPANY GUAR 08/45 5.85%	70,000	69,429	66,752
REYNOLDS AMERICAN INC COMPANY GUAR 09/43 6.15%	390,000	401,296	386,078
REYNOLDS GROUP HOLDINGS INC 2024 TERM LOAN B3 due 09/24/28	188,974	188,974	189,624
RFC PRINCIPAL STRIP due 04/15/30	17,000,000	13,205,054	13,307,213
RHP HOTEL PPTY/RHP FINAN COMPANY GUAR 10/27 4.75%	195,000	190,012	188,618
RHP HOTEL PPTY/RHP FINAN COMPANY GUAR 144A 02/29 4.5%	385,000	372,236	363,459
RHP HOTEL PPTY/RHP FINAN COMPANY GUAR 144A 04/32 6.5	1,579,000	1,577,146	1,586,947
RHP HOTEL PPTY/RHP FINAN COMPANY GUAR 144A 07/28 7.25%	124,000	124,173	127,326
RING CONTAINER TECH GROUP LLC 2024 TERM LOAN B due 08/12/28	539,390	540,114	540,199
RITCHIE BROS HLDGS INC COMPANY GUAR 144A 03/31 7.75%	610,000	623,167	637,799
RITCHIE BROS HLDGS INC SR SECURED 144A 03/28 6.75%	769,000	771,576	786,154
RLJ LODGING TRUST LP SR SECURED 144A 09/29 4%	245,000	231,497	222,022
ROBLOX CORP SR UNSECURED 144A 05/30 3.875%	828,000	781,680	746,149
ROCC TRUST ROCC 2024 CNTR A 144A	4,000,000	4,000,000	3,988,369
ROCC TRUST ROCC 2024 CNTR B 144A	1,050,000	1,050,000	1,050,864
ROCC TRUST ROCC 2024 CNTR C 144A	950,000	950,000	959,698
ROCC TRUST ROCC 2024 CNTR D 144A	4,857,000	4,857,000	4,929,267
ROCHE HOLDINGS INC COMPANY GUAR 144A 09/34 4.592%	640,000	640,000	613,666
ROCKCLIFF ENERGY II LLC SR UNSECURED 144A 10/29 5.5%	2,160,000	2,024,260	2,017,527
ROCKET SOFTWARE INC SR SECURED 144A 11/28 9	1,155,000	1,157,292	1,196,097
ROCKET SOFTWARE, INC. 2023 USD TERM LOAN due 11/28/28	1,164,573	1,157,568	1,171,851
ROCKETMTGE CO ISSUER INC COMPANY GUAR 144A 03/29 3.625%	1,006,000	964,757	911,051
ROCKETMTGE CO ISSUER INC COMPANY GUAR 144A 03/31 3.875%	1,421,000	1,397,680	1,238,113
ROCKETMTGE CO ISSUER INC COMPANY GUAR 144A 10/26 2.875%	564,000	564,000	535,150

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ROCKETMTGE CO ISSUER INC COMPANY GUAR 144A 10/33 4%	1,593,000	1,578,886	1,326,753
ROCKFORD TOWER CLO LTD ROCKT 2017 2A BR 144A	1,500,000	1,470,084	1,502,617
ROCKFORD TOWER CLO LTD ROCKT 2017 3A A 144A	127,200	127,306	127,415
ROCKFORD TOWER CLO LTD ROCKT 2018 1A A 144A	128,477	128,599	128,760
ROCKFORD TOWER CLO LTD ROCKT 2018 2A A 144A	317,031	313,465	317,650
ROCKFORD TOWER CLO LTD ROCKT 2020 1A A1R 144A	600,000	600,000	600,621
ROCKFORD TOWER CLO LTD ROCKT 2021 1A C 144A	250,000	250,116	250,468
ROCKFORD TOWER CLO LTD ROCKT 2023 1A D 144A	1,000,000	990,677	1,033,676
ROCKIES EXPRESS PIPELINE SR UNSECURED 144A 05/25 3.6%	1,319,000	1,305,353	1,305,542
ROCKIES EXPRESS PIPELINE SR UNSECURED 144A 05/30 4.8%	2,063,000	1,873,378	1,937,994
ROCKIES EXPRESS PIPELINE SR UNSECURED 144A 07/29 4.95%	84,000	84,178	79,752
ROCKPOINT GAS STORAGE CA TERM LOAN B due 09/18/31	1,135,000	1,124,049	1,141,243
ROCKWELL AUTOMATION SR UNSECURED 03/25 2.875	1,017,000	1,012,779	1,013,466
ROGERS COMMUNICATIONS IN COMPANY GUAR 02/34 5.3	1,830,000	1,822,651	1,784,943
ROGERS COMMUNICATIONS IN COMPANY GUAR 03/25 2.95%	1,225,000	1,224,948	1,218,274
ROGERS COMMUNICATIONS IN COMPANY GUAR 03/27 3.2%	3,345,000	3,207,187	3,230,686
ROLLS ROYCE PLC COMPANY GUAR 144A 10/27 5.75%	1,050,000	1,051,346	1,066,152
ROMANIA GOVERNMENT BOND BONDS 01/28 4.15%	2,940,000	595,570	559,089
ROMANIA GOVERNMENT BOND BONDS 02/25 4.75	1,945,000	420,042	403,589
ROMANIA GOVERNMENT BOND BONDS 04/30 8%	8,545,000	1,945,942	1,828,259
ROMANIA GOVERNMENT BOND BONDS 04/31 7.35%	6,730,000	1,548,268	1,397,110
ROMANIA GOVERNMENT BOND BONDS 07/27 5.8%	5,210,000	1,356,916	1,043,136
ROMANIA GOVERNMENT BOND BONDS 10/30 4.15%	5,560,000	1,406,389	987,814
ROMANIA SR UNSECURED 144A 01/29 5.875	1,760,000	1,729,808	1,713,122
ROMANIA SR UNSECURED 144A 01/33 7.125%	1,120,000	1,140,237	1,135,322
ROMANIA SR UNSECURED 144A 01/44 6.125%	1,690,000	2,024,778	1,503,351
ROMANIA SR UNSECURED 144A 02/31 3%	660,000	685,936	533,459
ROMANIA SR UNSECURED 144A 02/36 5.625	1,750,000	1,871,263	1,738,955
ROMANIA SR UNSECURED 144A 03/35 5.75%	2,428,000	2,356,671	2,166,475
ROMANIA SR UNSECURED 144A 05/37 5.625%	900,000	972,189	893,134
ROMANIA SR UNSECURED 144A 11/27 5.25%	84,000	81,707	82,113
ROMANIA SR UNSECURED REGS 01/29 5.875%	660,000	657,125	642,421
ROMANIA SR UNSECURED REGS 01/33 7.125%	272,000	283,933	275,721
ROMANIA SR UNSECURED REGS 01/44 6.125%	394,000	472,245	350,485
ROMANIA SR UNSECURED REGS 02/27 3%	282,000	264,964	265,472
ROMANIA SR UNSECURED REGS 02/28 6.625%	556,000	576,186	564,340
ROMANIA SR UNSECURED REGS 02/30 2.5%	296,000	268,506	274,988
ROMANIA SR UNSECURED REGS 02/31 3%	1,238,000	1,246,999	1,000,640
ROMANIA SR UNSECURED REGS 02/51 4%	744,000	688,428	468,088
ROMANIA SR UNSECURED REGS 03/32 3.625%	1,030,000	877,561	839,411
ROMANIA SR UNSECURED REGS 04/49 4.625%	600,000	921,872	503,011
ROMANIA SR UNSECURED REGS 06/48 5.125%	240,000	279,607	182,052
ROMANIA SR UNSECURED REGS 07/31 2.124%	342,000	286,499	292,991
ROMANIA SR UNSECURED REGS 12/29 1.375%	1,500,000	1,661,100	1,327,050
ROMANIA UNSECURED 144A 02/27 3%	1,566,000	1,524,757	1,474,217
ROMANIA UNSECURED 144A 05/34 6%	640,000	637,583	595,200
ROMARK CLO LTD RMRK 2017 1A B 144A	500,000	499,845	500,535
ROMARK CLO LTD RMRK 2018 2A A1R 144A	783,078	783,078	784,009
ROMARK CLO LTD RMRK 2018 2A A2R 144A	1,100,000	1,100,000	1,106,035
ROMARK CLO LTD RMRK 2021 4A C1 144A	250,000	250,000	251,318
ROSSINI SARL SR SECURED REGS 12/29 6.75%	100,000	108,790	109,504
ROSSINI SARL SR SECURED REGS 12/29 VAR	100,000	108,790	104,746
ROYAL BANK OF CANADA SR UNSECURED 01/26 0.875%	2,814,000	2,712,594	2,708,038
ROYAL BANK OF CANADA SR UNSECURED 02/34 5.15	160,000	162,089	158,126
ROYAL BANK OF CANADA SR UNSECURED 04/25 4.95	10,000,000	9,992,083	10,013,008
ROYAL BANK OF CANADA SR UNSECURED 10/30 VAR	2,526,000	2,525,336	2,473,694
ROYAL CARIBBEAN CRUISES SR UNSECURED 10/27 7.5%	130,000	138,829	136,359
ROYAL CARIBBEAN CRUISES SR UNSECURED 144A 02/33 6%	2,290,000	2,299,898	2,284,562
ROYAL CARIBBEAN CRUISES SR UNSECURED 144A 03/32 6.25	244,000	246,245	246,923
ROYAL CARIBBEAN CRUISES SR UNSECURED 144A 04/28 5.5%	30,000	30,072	29,775
ROYAL CARIBBEAN CRUISES SR UNSECURED 144A 07/26 4.25%	346,000	340,149	339,621

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
ROYAL CARIBBEAN CRUISES SR UNSECURED 144A 08/26 5.5%	270,000	266,885	269,734
ROYAL CARIBBEAN CRUISES SR UNSECURED 144A 09/31 5.625%	5,727,000	5,725,493	5,633,416
ROYALTY PHARMA PLC COMPANY GUAR 09/25 1.2%	850,000	848,691	828,969
ROYALTY PHARMA PLC COMPANY GUAR 09/27 1.75%	1,120,000	1,074,425	1,032,360
ROYALTY PHARMA PLC COMPANY GUAR 09/29 5.15	520,000	513,787	518,628
ROYALTY PHARMA PLC COMPANY GUAR 09/34 5.4	1,389,000	1,360,768	1,351,951
RR DONNELLEY + SONS CO SR SECURED 144A 08/29 9.5%	100,000	101,608	101,548
RR LTD RRAM 2021 16A A1 144A	250,000	250,478	250,398
RR LTD RRAM 2021 19A A1 144A	250,000	250,432	250,418
RR LTD RRAM 2024 29RA A1R 144A	1,600,000	1,600,000	1,609,582
RTE RESEAU DE TRANSPORT SR UNSECURED REGS 07/35 3.75%	300,000	320,114	316,253
RTX CORP SR UNSECURED 01/29 5.75%	1,909,000	1,993,505	1,970,635
RTX CORP SR UNSECURED 03/27 3.5%	1,704,000	1,653,468	1,661,989
RTX CORP SR UNSECURED 03/31 6%	900,000	899,547	944,749
RTX CORP SR UNSECURED 03/32 2.375%	3,209,000	2,689,441	2,664,093
RTX CORP SR UNSECURED 03/34 6.1%	2,765,000	2,830,694	2,912,264
RTX CORP SR UNSECURED 03/52 3.03%	130,000	86,627	82,373
RTX CORP SR UNSECURED 05/30 2.15%	1,594,000	1,584,578	1,570,352
RTX CORP SR UNSECURED 05/35 5.4	88,000	88,973	88,091
RTX CORP SR UNSECURED 06/42 4.5%	560,000	506,587	485,201
RTX CORP SR UNSECURED 07/30 2.25%	430,000	379,268	374,011
RTX CORP SR UNSECURED 11/28 4.125%	420,000	413,053	408,756
RTX CORP SR UNSECURED 12/44 4.2%	125,000	151,086	99,709
RUSSELL INVSTM US INSTL HOLD I 2024 PIK TERM LOAN due 05/30/27	156,205	148,065	148,590
RXO INC COMPANY GUAR 144A 11/27 7.5%	525,000	534,850	539,262
RYAN SPECIALTY GROUP LLC 2024 USD TERM LOAN B due 09/15/31	500,000	498,801	501,250
RYAN SPECIALTY SR SECURED 144A 08/32 5.875%	891,000	888,653	881,916
RYDER SYSTEM INC SR UNSECURED 06/28 5.25%	482,000	481,568	486,960
RYDER SYSTEM INC SR UNSECURED 12/26 2.9%	725,000	727,648	699,461
S+P GLOBAL INC COMPANY GUAR 03/29 2.7%	225,000	206,943	207,105
S+S HOLDINGS LLC 2024 TERM LOAN due 10/01/31	465,000	463,838	463,256
SABEY DATA CENTER ISSUER LLC SDCP 2020 1 A2 144A	1,470,000	1,554,312	1,460,074
SABINE PASS LIQUEFACTION SR SECURED 03/28 4.2%	4,457,000	4,338,939	4,351,233
SABINE PASS LIQUEFACTION SR SECURED 05/30 4.5%	963,000	943,908	932,818
SABRE GBL INC 2024 TERM LOAN B1 due 11/15/29	60,860	59,643	60,404
SABRE GBL INC SR SECURED 144A 06/27 8.625	1,088,000	1,075,854	1,073,026
SABRE GBL INC SR SECURED 144A 09/25 7.375%	200,000	200,000	196,000
SABRE GBL INC SR SECURED 144A 11/29 10.75%	2,072,000	2,160,015	2,137,562
SABRE GBL INC. 2021 TERM LOAN B1 due 12/17/27	24,581	23,537	23,844
SABRE GBL INC. 2021 TERM LOAN B2 due 12/17/27	38,623	36,982	37,464
SABRE GBL INC. 2022 1ST LIEN TERM LOAN B due 06/30/28	98,989	96,438	96,226
SAKS GLOBAL ENTERPRISES SR SECURED 144A 12/29 11%	1,340,000	1,340,000	1,290,742
SALLY HOLDINGS/SALLY CAP COMPANY GUAR 03/32 6.75	1,905,000	1,890,664	1,908,284
SAMARCO MINERACAO SA SR UNSECURED 144A 06/31 9%	70,552	69,000	68,907
SAMARCO MINERACAO SA SR UNSECURED REGS 06/31 9%	56,036	52,691	54,730
SAMMONS FINANCIAL GLOBAL SECURED 144A 12/29 5.1%	1,600,000	1,599,240	1,587,847
SAMMONS FINANCIAL GROUP SR UNSECURED 144A 04/31 3.35%	100,000	99,848	85,957
SAN DIEGO G + E 1ST MORTGAGE 04/53 5.35%	164,000	163,103	154,943
SAN DIEGO G + E 1ST MORTGAGE 06/47 3.75	86,000	66,440	64,519
SAN FRANCISCO CA CITY CNTY P SFOWTR 11/41 FIXED 2.825%	75,000	70,571	55,697
SAN FRANCISCO CITY CNTY CA C SFOCTF 11/41 FIXED 6.487%	7,695,000	7,214,039	8,219,527
SANDS CHINA LTD SR UNSECURED 03/27 2.55%	440,000	410,353	409,956
SANDS CHINA LTD SR UNSECURED 03/29 3.1%	300,000	269,671	267,441
SANDS CHINA LTD SR UNSECURED 06/30 4.625%	1,800,000	1,747,327	1,678,833
SANDS CHINA LTD SR UNSECURED 08/25 5.375%	2,250,000	2,244,717	2,240,670
SANDS CHINA LTD SR UNSECURED 08/28 5.65%	2,300,000	2,293,534	2,274,348
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 5 A2	486,974	488,224	487,904
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 5 A3	1,960,000	1,959,770	1,980,656
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 5 C	1,600,000	1,599,990	1,656,225
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 S1 R1 144A	997,452	997,365	1,013,145
SANTANDER DRIVE AUTO RECEIVABL SDART 2024 1 C	493,000	492,956	496,540

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
SANTANDER DRIVE AUTO RECEIVABL SDART 2024 A A2	1,988,577	1,988,479	1,994,462
SANTANDER DRIVE AUTO RECEIVABL SDART 2024 A 5A2	2,700,000	2,699,900	2,704,407
SANTANDER HOLDINGS USA SR UNSECURED 05/27 VAR	980,000	980,601	994,460
SANTANDER HOLDINGS USA SR UNSECURED 05/35 VAR	4,135,000	4,156,775	4,203,292
SANTANDER UK GROUP HLDGS SR UNSECURED 09/30 VAR	900,000	900,000	875,955
SANTANDER UK GROUP HLDGS SR UNSECURED 11/28 VAR	2,900,000	2,817,335	2,791,899
SANTOS FINANCE LTD COMPANY GUAR 144A 04/31 3.649%	125,000	125,000	110,087
SARTORIUS FINANCE BV COMPANY GUAR REGS 09/35 4.875%	400,000	417,870	444,283
SASOL FINANCING USA LLC COMPANY GUAR 09/26 4.375%	200,000	196,407	191,415
SASOL FINANCING USA LLC COMPANY GUAR 09/28 6.5%	200,000	203,464	192,024
SATURN OIL + GAS INC SR SECURED 144A 06/29 9.625	1,364,000	1,358,622	1,326,033
SAUDI ARABIAN OIL CO SR UNSECURED 144A 04/39 4.25%	680,000	733,060	581,578
SAUDI ARABIAN OIL CO SR UNSECURED 144A 07/34 5.25%	500,000	496,816	493,214
SAUDI ARABIAN OIL CO SR UNSECURED 144A 07/54 5.75%	3,940,000	3,872,763	3,684,794
SAUDI ARABIAN OIL CO SR UNSECURED 144A 07/64 5.875%	200,000	195,291	186,516
SAUDI ARABIAN OIL CO SR UNSECURED 144A 11/50 3.25%	625,000	619,585	406,388
SAUDI ARABIAN OIL CO SR UNSECURED 144A 11/70 3.5%	200,000	157,616	122,829
SAUDI ARABIAN OIL CO SR UNSECURED REGS 11/30 2.25%	2,000,000	1,721,245	1,704,880
SAUDI INTERNATIONAL BOND SR UNSECURED 144A 01/53 5%	646,000	618,758	546,342
SAUDI INTERNATIONAL BOND SR UNSECURED 144A 01/54 5.75	1,390,000	1,359,681	1,297,730
SAUDI INTERNATIONAL BOND SR UNSECURED 144A 01/55 3.75%	590,000	625,363	391,772
SAUDI INTERNATIONAL BOND SR UNSECURED 144A 02/61 3.45%	945,000	665,327	573,861
SAUDI INTERNATIONAL BOND SR UNSECURED 144A 04/49 5%	300,000	383,298	259,923
SAUDI INTERNATIONAL BOND SR UNSECURED 144A 10/47 4.625%	600,000	683,804	490,140
SAUDI INTERNATIONAL BOND SR UNSECURED 144A 11/51 3.25%	510,000	362,465	321,909
SAUDI INTERNATIONAL BOND SR UNSECURED REGS 01/28 4.75%	663,000	667,163	658,390
SAUDI INTERNATIONAL BOND SR UNSECURED REGS 01/50 5.25%	671,000	795,269	603,630
SAUDI INTERNATIONAL BOND SR UNSECURED REGS 01/55 3.75%	798,000	717,551	529,888
SAUDI INTERNATIONAL BOND SR UNSECURED REGS 04/30 4.5%	400,000	401,817	387,810
SAUDI INTERNATIONAL BOND SR UNSECURED REGS 04/60 4.5%	512,000	542,721	391,322
SAUDI INTERNATIONAL BOND SR UNSECURED REGS 10/47 4.625%	1,260,000	1,392,789	1,029,294
SBA COMMUNICATIONS CORP SR UNSECURED 02/27 3.875%	989,000	962,394	948,130
SBA COMMUNICATIONS CORP SR UNSECURED 02/29 3.125%	330,000	309,263	297,870
SBA TOWER TRUST ASSET BACKED 144A 07/52 2.328%	1,462,000	1,502,694	1,333,446
SBNA AUTO LEASE TRUST SBALT 2024 B A2 144A	946,514	946,511	950,918
SBNA AUTO LEASE TRUST SBALT 2024 C A2 144A	2,954,324	2,954,141	2,958,162
SBNA AUTO RECEIVABLES TRUST SBAT 2024 A A2 144A	344,099	344,098	344,626
SC GAMES HOLDIN/US FINCO SR UNSECURED 144A 03/30 6.625%	2,337,000	2,273,592	2,236,353
SCHLUMBERGER FIN CA COMPANY GUAR 09/25 1.4%	7,344,000	7,171,104	7,178,367
SCHLUMBERGER HLDGS CORP SR UNSECURED 144A 05/28 3.9%	54,000	52,869	52,424
SCIENTIFIC GAMES HOLDINGS LP 2024 USD TERM LOAN B due 04/04/29	1,781,458	1,783,688	1,784,130
SCIH SALT HOLDINGS INC 2021 TERM LOAN B due 03/16/27	795,953	798,179	797,251
SCIL IV LLC / SCIL USA H SR SECURED 144A 11/26 5.375%	1,335,000	1,342,913	1,307,509
SCIL IV LLC / SCIL USA H SR SECURED REGS 07/28 9.5%	200,000	222,190	221,854
SCOTTS MIRACLE GRO CO COMPANY GUAR 02/32 4.375%	167,000	126,289	145,808
SCOTTS MIRACLE GRO CO COMPANY GUAR 04/31 4%	905,000	870,131	789,081
SCOTTS MIRACLE GRO CO COMPANY GUAR 10/29 4.5%	357,000	321,560	328,947
SCRIPPS ESCROW II INC SR SECURED 144A 01/29 3.875%	100,000	95,237	73,425
SEADRILL FINANCE LTD SECURED 144A 08/30 8.375%	1,000,000	1,000,000	1,019,831
SEAGATE HDD CAYMAN COMPANY GUAR 01/31 4.125%	320,000	291,563	288,108
SEAGATE HDD CAYMAN COMPANY GUAR 06/27 4.875	2,000	1,976	1,970
SEAGATE HDD CAYMAN COMPANY GUAR 12/29 8.25	370,000	386,113	394,232
SEAGATE HDD CAYMAN COMPANY GUAR 12/32 9.625%	600,875	635,272	677,123
SEALED AIR CORP COMPANY GUAR 144A 12/27 4	4,000	3,836	3,817
SEALED AIR/SEALED AIR US COMPANY GUAR 144A 02/28 6.125%	127,000	128,091	127,423
SEALED AIR/SEALED AIR US COMPANY GUAR 144A 02/31 7.25%	2,466,000	2,471,036	2,541,923
SEATTLE CHILDREN HOSP UNSECURED 10/50 2.719%	115,000	87,319	70,880
SECURITIZED ASSET BACKED RECEI SABR 2006 WM4 A2A	528,302	516,533	140,208
SECURITIZED ASSET BACKED RECEI SABR 2007 BR1 A2A	495,036	473,307	206,051
SECURITIZED ASSET BACKED RECEI SABR 2007 BR5 A2A	317,498	291,592	233,836
SEDGWICK CLAIMS MGMT SRVCS INC 2023 TERM LOAN B due 02/24/28	198,992	199,863	199,987

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
SELECT MEDICAL CORP COMPANY GUAR 144A 12/32 6.25%	3,660,000	3,657,689	3,520,476
SELF COMMERCIAL MORTGAGE TRUST SELF 2024 STRG A 144A	410,000	408,987	410,507
SENSATA TECHNOLOGIES BV COMPANY GUAR 144A 04/29 4%	370,000	363,884	339,530
SENSATA TECHNOLOGIES BV COMPANY GUAR 144A 09/30 5.875%	496,000	488,825	483,426
SENSATA TECHNOLOGIES INC COMPANY GUAR 144A 02/31 3.75	4,000	3,513	3,497
SENSATA TECHNOLOGIES INC COMPANY GUAR 144A 07/32 6.625	919,000	919,000	918,009
SEQUOIA MORTGAGE TRUST SEMT 2003 4 2A1	5,314	5,044	5,212
SEQUOIA MORTGAGE TRUST SEMT 2007 2 1A2	850,638	834,689	781,936
SEQUOIA MORTGAGE TRUST SEMT 2024 7 A12 144A	2,070,549	2,049,737	2,062,301
SEQUOIA MORTGAGE TRUST SEMT 2024 HYB1 A1A 144A	1,470,212	1,448,531	1,442,450
SEQUOIA MORTGAGE TRUST SEMT 9 1A	28	25	27
SERVICE CORP INTL SR UNSECURED 05/31 4	3,000	2,691	2,673
SERVICE CORP INTL SR UNSECURED 08/30 3.375%	152,000	134,145	133,000
SERVICE CORP INTL SR UNSECURED 10/32 5.75%	764,000	764,000	741,067
SERVICE CORP INTL SR UNSECURED 12/27 4.625	5,000	4,868	4,865
SERVICE PROPERTIES TRUST COMPANY GUAR 06/29 8.375	560,000	552,747	541,788
SERVICE PROPERTIES TRUST COMPANY GUAR 06/32 8.875	1,655,000	1,622,556	1,533,584
SERVICE PROPERTIES TRUST COMPANY GUAR 12/27 5.5%	250,000	245,282	233,781
SERVICE PROPERTIES TRUST SR SECURED 144A 11/31 8.625%	1,790,000	1,813,863	1,862,576
SFAVE COMMERCIAL MORTGAGE SECU SFAVE 2015 SAVE A1 144A	472,500	501,113	398,204
SFO COMMERCIAL MORTGAGE TRUST SFO 2021 555 A 144A	5,880,000	5,745,546	5,733,000
SFO COMMERCIAL MORTGAGE TRUST SFO 2021 555 D 144A	680,000	620,263	648,137
SFS AUTO RECEIVABLES SECURITIZ SFAST 2024 1A B 144A	1,000,000	1,013,550	1,010,770
SFS AUTO RECEIVABLES SECURITIZ SFAST 2024 1A C 144A	770,000	771,987	777,223
SFS AUTO RECEIVABLES SECURITIZ SFAST 2024 2A A 144A	1,946,556	1,946,515	1,955,738
SFS AUTO RECEIVABLES SECURITIZ SFAST 2024 2A C 144A	1,325,000	1,335,838	1,343,986
SFS AUTO RECEIVABLES SECURITIZ SFAST 2024 3A A2 144A	3,985,000	3,984,752	3,989,372
SG CAPITAL PARTNERS SGR 2019 3 M1 144A	1,800,000	1,799,874	1,737,210
SG CAPITAL PARTNERS SGR 2021 2 A1 144A	1,890,415	1,535,542	1,550,562
SG CAPITAL PARTNERS SGR 2022 2 A1 144A	271,422	271,224	270,447
SG COMMERCIAL MORTGAGE SECURIT SGCMS 2016 C5 B	500,000	532,110	468,176
SG MORTGAGE SECURITIES TRUST SGMS 2006 OPT2 A2	2,626,104	2,391,690	2,341,620
SGL GROUP APS SR SECURED 04/30 VAR	200,000	217,319	208,705
SHEA HOMES LP/FNDG CP SR UNSECURED 02/28 4.75%	1,025,000	1,018,043	980,981
SHELL FINANCE US INC COMPANY GUAR 04/30 2.75%	210,000	192,074	188,749
SHELL FINANCE US INC COMPANY GUAR 04/50 3.25%	780,000	559,256	525,513
SHELL FINANCE US INC COMPANY GUAR 05/45 4.375%	650,000	569,751	544,117
SHELL FINANCE US INC COMPANY GUAR 08/43 4.55%	450,000	411,919	393,605
SHERWIN WILLIAMS CO SR UNSECURED 06/27 3.45%	1,230,000	1,266,177	1,195,905
SHERWIN WILLIAMS CO SR UNSECURED 06/47 4.5%	631,000	628,006	531,305
SHIFT4 PAYMENTS LLC/FIN COMPANY GUAR 144A 08/32 6.75%	722,000	732,673	734,315
SHIFT4 PAYMENTS LLC/FIN COMPANY GUAR 144A 11/26 4.625%	665,000	659,046	653,236
SHOWTIME ACQUISITION LLC 2024 1ST LIEN TERM LOAN due 08/13/31	1,360,710	1,341,319	1,363,540
SHR TRUST SHR 2024 LXRY D 144A	270,000	270,000	272,340
SIEMENS FINANCIERINGSMAT COMPANY GUAR REGS 09/30 1.375%	275,000	269,248	265,179
SIERRA RECEIVABLES FUNDING CO SRFC 2020 2A B 144A	132,626	131,127	131,223
SIERRA RECEIVABLES FUNDING CO SRFC 2020 2A C 144A	520,510	525,516	507,902
SIERRA RECEIVABLES FUNDING CO SRFC 2021 2A A 144A	308,304	305,232	296,805
SIERRA RECEIVABLES FUNDING CO SRFC 2022 1A A 144A	90,998	90,978	88,748
SIERRA RECEIVABLES FUNDING CO SRFC 2022 1A B 144A	1,699,618	1,666,560	1,664,815
SIERRA RECEIVABLES FUNDING CO SRFC 2022 1A C 144A	121,712	121,696	119,087
SIERRA RECEIVABLES FUNDING CO SRFC 2023 2A A 144A	1,015,001	1,015,309	1,009,386
SIERRA RECEIVABLES FUNDING CO SRFC 2023 3A B 144A	1,268,508	1,268,442	1,284,820
SIERRA RECEIVABLES FUNDING CO SRFC 2024 1A C 144A	933,068	933,062	929,026
SIERRA RECEIVABLES FUNDING CO SRFC 2024 2A B 144A	1,671,928	1,671,679	1,625,435
SIERRA RECEIVABLES FUNDING CO SRFC 2024 2A C 144A	1,076,183	1,076,104	1,058,026
SIG COMBIBLOC PURCHASER COMPANY GUAR REGS 06/25 2.125%	900,000	1,080,070	926,241
SIGMA HOLDCO BV COMPANY GUAR 144A 05/26 7.875%	2,873,000	2,805,456	2,843,489
SIGNAL PEAK CLO, LLC SPEAK 2016 3A D1R3 144A	1,000,000	1,000,000	1,020,686
SIGNAL PEAK CLO, LLC SPEAK 2017 4A AR 144A	9,000,000	9,000,000	9,016,998
SIGNAL PEAK CLO, LLC SPEAK 2020 8A A1R 144A	2,000,000	2,000,000	2,010,974

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
SIGNAL PEAK CLO, LLC SPEAK 2024 11A A1 144A	2,000,000	2,000,000	2,006,768
SILGAN HOLDINGS INC COMPANY GUAR 03/25 3.25%	200,000	241,512	206,466
SILVER POINT CLO, LTD SPCLO 2024 4A A1 144A	1,500,000	1,500,000	1,513,003
SIMMONS FOOD INC/SIMMONS SECURED 144A 03/29 4.625%	1,554,000	1,460,703	1,436,040
SIMON + SCHUSTER INC TERM LOAN B due 10/30/30	1,545,234	1,530,448	1,556,823
SIMON PROPERTY GROUP LP SR UNSECURED 09/25 3.5%	17,749,000	17,615,784	17,624,656
SINCLAIR TELEVISION GROU COMPANY GUAR 144A 02/27 5.125%	325,000	289,179	295,750
SINCLAIR TELEVISION GROUP INC 2022 TERM LOAN B4 due 04/21/29	925,483	861,212	751,261
SINOPEC GRP DEV 2018 COMPANY GUAR REGS 05/30 2.7%	510,000	490,926	464,579
SINOPEC GRP DEV 2018 COMPANY GUAR REGS 05/50 3.35%	200,000	170,061	148,407
SINOPEC GRP OVERSEA 2012 COMPANY GUAR REGS 05/42 4.875%	433,000	478,288	417,495
SIRIUS XM RADIO INC COMPANY GUAR 144A 07/28 4%	489,000	459,586	450,543
SIRIUS XM RADIO INC COMPANY GUAR 144A 07/29 5.5%	1,006,000	1,009,084	964,567
SIRIUS XM RADIO INC COMPANY GUAR 144A 07/30 4.125%	1,975,000	1,974,612	1,723,676
SIRIUS XM RADIO INC COMPANY GUAR 144A 08/27 5%	118,000	112,059	114,753
SIRIUS XM RADIO INC COMPANY GUAR 144A 09/26 3.125%	381,000	377,806	365,972
SIRIUS XM RADIO INC COMPANY GUAR 144A 09/31 3.875%	5,443,000	4,466,840	4,554,588
SITIO ROYAL OP / SIT FIN SR UNSECURED 144A 11/28 7.875%	2,238,000	2,298,393	2,300,380
SITIOS LATINOAMERICA COMPANY GUAR REGS 04/32 5.375	400,000	377,357	375,315
SIX FLAGS ENTER / THEME SR SECURED 144A 05/32 6.625	625,000	626,209	633,447
SIX FLAGS ENTERTAINMENT COMPANY GUAR 144A 04/27 5.5	195,000	193,415	193,770
SIX FLAGS ENTERTAINMENT COMPANY GUAR 144A 05/31 7.25%	4,590,000	4,545,317	4,687,896
SIX FLAGS THEME PARKS SR SECURED 144A 07/25 7%	134,000	134,283	133,875
SIXTH STREET CLO LTD. SIXST 2020 15A AR 144A	1,500,000	1,500,000	1,510,919
SIXTH STREET CLO LTD. SIXST 2021 20A A1 144A	2,000,000	1,973,557	2,000,386
SIXTH STREET CLO LTD. SIXST 2024 25A A 144A	2,000,000	2,000,000	2,017,567
SIXTH STREET CLO LTD. SIXST 2024 25A B 144A	400,000	400,000	403,218
SIXTH STREET CLO LTD. SIXST 2024 25A C 144A	250,000	250,000	250,862
SIXTH STREET LENDING PAR SR UNSECURED 144A 01/30 5.75%	991,000	990,099	975,588
SKANDINAVISKA ENSKILDA 144A 11/25 1.4%	1,625,000	1,580,737	1,579,802
SKANDINAVISKA ENSKILDA REGS 05/27 VAR	390,000	417,807	404,557
SKILLSOFT CORPORATION 2021 TERM LOAN due 07/14/28	656,674	648,969	571,214
SKYMILES IP LTD. 2020 SKYMILES TERM LOAN B due 10/20/27	367,950	376,659	374,103
SLM STUDENT LOAN TRUST SLMA 2005 4 A4	24,002,031	23,394,705	23,314,157
SLM STUDENT LOAN TRUST SLMA 2005 9 A7A	1,125,195	1,100,677	1,108,848
SM ENERGY CO SR UNSECURED 07/28 6.5%	300,000	302,422	298,126
SM ENERGY CO SR UNSECURED 09/26 6.75%	292,000	288,215	291,719
SM ENERGY CO SR UNSECURED 144A 08/29 6.75%	839,000	839,000	830,499
SM ENERGY CO SR UNSECURED 144A 08/32 7%	930,000	933,561	916,936
SMALL BUSINESS ADMINISTRATION SBAP 2005 20H 1	33,880	33,880	33,845
SMALL BUSINESS ADMINISTRATION SBAP 2006 20B 1	75,246	75,246	75,216
SMALL BUSINESS ADMINISTRATION SBAP 2006 20E 1	50,832	51,011	50,982
SMALL BUSINESS ADMINISTRATION SBAP 2006 20K 1	131,244	135,701	131,223
SMALL BUSINESS ADMINISTRATION SBAP 2009 20E 1	178,000	178,000	175,641
SMALL BUSINESS ADMINISTRATION SBAP 2010 20B 1	105,425	110,474	103,636
SMB PRIVATE EDUCATION LOAN TRU SMB 2017 A A2A 144A	262,814	262,328	259,731
SMB PRIVATE EDUCATION LOAN TRU SMB 2017 B A2B 144A	67,627	67,627	67,391
SMB PRIVATE EDUCATION LOAN TRU SMB 2018 A A2B 144A	365,090	365,090	363,046
SMB PRIVATE EDUCATION LOAN TRU SMB 2018 B A2A 144A	720,612	718,431	711,076
SMB PRIVATE EDUCATION LOAN TRU SMB 2020 PTB A2B 144A	92,505	89,357	91,805
SMB PRIVATE EDUCATION LOAN TRU SMB 2021 A A2A1 144A	1,062,212	1,053,102	1,045,773
SMB PRIVATE EDUCATION LOAN TRU SMB 2021 A A2B 144A	565,006	566,301	506,555
SMB PRIVATE EDUCATION LOAN TRU SMB 2021 A B 144A	171,732	171,683	164,777
SMB PRIVATE EDUCATION LOAN TRU SMB 2021 C APT1 144A	299,691	299,638	267,446
SMB PRIVATE EDUCATION LOAN TRU SMB 2023 A A1B 144A	546,141	546,141	546,441
SMB PRIVATE EDUCATION LOAN TRU SMB 2023 B A1A 144A	4,101,415	4,100,881	4,002,305
SMB PRIVATE EDUCATION LOAN TRU SMB 2023 B A1B 144A	1,891,996	1,899,729	1,923,511
SMB PRIVATE EDUCATION LOAN TRU SMB 2023 C A1A 144A	305,522	305,444	306,290
SMB PRIVATE EDUCATION LOAN TRU SMB 2023 D A1A 144A	2,709,470	2,709,160	2,770,582
SMB PRIVATE EDUCATION LOAN TRU SMB 2024 A A1A 144A	779,157	778,891	779,717
SMB PRIVATE EDUCATION LOAN TRU SMB 2024 A A1B 144A	1,856,226	1,856,226	1,875,052

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
SMB PRIVATE EDUCATION LOAN TRU SMB 2024 C A1A 144A	1,111,578	1,111,381	1,112,698
SMB PRIVATE EDUCATION LOAN TRU SMB 2024 F A1A 144A	3,511,474	3,511,415	3,448,126
SMURFIT KAPPA TREASURY COMPANY GUAR 144A 04/34 5.438%	1,000,000	1,009,433	999,319
SMYRNA READY MIX CONCRET SR SECURED 144A 11/28 6%	475,000	473,970	463,299
SMYRNA READY MIX CONCRET SR SECURED 144A 11/31 8.875%	1,546,000	1,555,640	1,620,967
SNAM SPA JR SUBORDINA REGS 12/99 VAR	100,000	109,816	105,675
SNF GROUP SACA SR UNSECURED 144A 03/27 3.125%	810,000	810,781	765,287
SNF GROUP SACA SR UNSECURED 144A 03/30 3.375%	1,015,000	1,014,823	889,513
SNOWFLAKE INC SR UNSECURED 144A 10/29 0.0000%	378,000	378,000	448,308
SOCIAL PROFESSIONAL LOAN PROGR SOFI 2017 F A2FX 144A	169,496	169,444	166,931
SOCIAL PROFESSIONAL LOAN PROGR SOFI 2020 C AFX 144A	117,351	117,336	107,731
SOCIEDAD QUIMICA Y MINER SR UNSECURED 144A 09/34 5.5%	1,000,000	1,002,075	947,380
SOCIETE GENERALE 144A 06/25 4.351	7,291,000	7,255,113	7,276,544
SOCIETE GENERALE 144A 06/32 VAR	3,016,000	2,522,617	2,519,276
SOCIETE GENERALE 144A 12/26 VAR	3,215,000	3,215,000	3,102,822
SOCIETE GENERALE REGS 06/29 VAR	800,000	766,736	749,934
SOFI PERS LN TR 2023 1 11/30 6	198,162	198,156	200,300
SOFI PERSONAL LOAN TRUST SPLT 2024 1A A 144A	965,085	965,047	971,978
SOFTBANK GROUP CORP SR UNSECURED REGS 01/29 5.375	200,000	215,575	214,716
SOFTBANK GROUP CORP SR UNSECURED REGS 07/26 4%	215,000	202,357	209,098
SOFTBANK GROUP CORP SR UNSECURED REGS 07/32 3.875%	100,000	88,868	98,392
SOFTBANK GROUP CORP SR UNSECURED REGS 07/32 5.75%	428,000	470,081	465,819
SOLARIS MIDSTREAM HOLDIN COMPANY GUAR 144A 04/26 7.625%	1,320,000	1,303,087	1,321,022
SOLIS IV BV USD TERM LOAN B1 due 02/26/29	198,477	197,241	197,981
SOLVENTUM CORP COMPANY GUAR 144A 02/27 5.45	1,716,000	1,715,453	1,732,066
SOLVENTUM CORP COMPANY GUAR 144A 03/29 5.4	2,540,000	2,547,603	2,546,420
SOLVENTUM CORP COMPANY GUAR 144A 03/31 5.45	640,000	649,863	639,594
SOLVENTUM CORP COMPANY GUAR 144A 03/34 5.6	7,335,000	7,418,015	7,303,979
SOLVENTUM CORP COMPANY GUAR 144A 04/54 5.9	820,000	847,738	798,848
SOLVENTUM CORP COMPANY GUAR 144A 05/64 6	3,372,000	3,420,758	3,294,504
SONIC AUTOMOTIVE INC COMPANY GUAR 144A 11/31 4.875%	520,000	512,328	466,541
SOPHIA L P 2024 1ST LIEN TERM LOAN B due 10/09/29	161,021	161,021	161,947
SOTERA HEALTH HLDGS LLC SR SECURED 144A 06/31 7.375	1,608,000	1,608,000	1,629,067
SOTERA HEALTH HOLDINGS LLC 2024 TERM LOAN B due 05/30/31	2,812,950	2,805,482	2,814,722
SOTHEBYFR 1/64 13/32S ARTFI MA ARTFI 2024 1A A1 144A	2,453,000	2,456,572	2,470,666
SOTHEBYS ARTFI MASTER TR 12/31 7.91	1,000,000	1,018,034	1,014,120
SOUND INPATIENT PHYSICIANS INC SECOND LIEN due 06/26/26	550,000	551,154	78,375
SOUND POINT CLO LTD SNDPT 2019 1A ARR 144A	355,000	355,000	355,739
SOUTH BOW CAN INFRA HOLD COMPANY GUAR 144A 03/55 VAR	100,000	103,691	102,529
SOUTH FIELD LLC TERM LOAN B due 08/29/31	37,918	37,737	38,139
SOUTH FIELD LLC TERM LOAN C due 08/29/31	2,326	2,315	2,339
SOUTHERN CAL EDISON 1ST MORTGAGE 02/51 2.95%	457,000	304,301	287,277
SOUTHERN CAL EDISON 1ST MORTGAGE 03/28 5.3	1,471,000	1,475,935	1,487,844
SOUTHERN CAL EDISON 1ST MORTGAGE 03/29 4.2%	750,000	748,595	727,314
SOUTHERN CAL EDISON 1ST MORTGAGE 03/49 4.875	189,000	177,229	165,404
SOUTHERN CAL EDISON 1ST MORTGAGE 06/29 5.15	1,000,000	1,005,845	1,006,132
SOUTHERN CAL EDISON 1ST MORTGAGE 10/28 5.65%	1,110,000	1,110,968	1,136,154
SOUTHERN CAL EDISON 1ST MORTGAGE 11/27 5.85	503,000	513,398	517,206
SOUTHERN CAL EDISON 1ST REF MORT 03/28 3.65	109,000	105,557	104,981
SOUTHERN CAL EDISON 1ST REF MORT 04/35 5.75%	167,000	168,274	170,737
SOUTHERN CAL EDISON 1ST REF MORT 04/47 4	75,000	58,913	57,784
SOUTHERN CO JR SUBORDINA 01/51 VAR	6,475,000	6,476,917	6,345,131
SOUTHERN CO JR SUBORDINA 08/27 5.113%	2,550,000	2,556,187	2,571,173
SOUTHERN CO JR SUBORDINA 09/51 VAR	2,665,000	2,278,506	2,552,053
SOUTHERN CO JR SUBORDINA 09/81 VAR	957,000	841,640	929,246
SOUTHERN CO SR UNSECURED 03/35 4.85%	2,231,000	2,229,666	2,129,098
SOUTHERN CO SR UNSECURED 04/30 3.7%	2,000,000	2,101,112	1,878,170
SOUTHERN CO SR UNSECURED 06/28 4.85	1,125,000	1,121,356	1,126,706
SOUTHERN CO SR UNSECURED 07/26 3.25%	980,000	973,545	960,086
SOUTHERN CO SR UNSECURED 07/36 4.25%	68,000	62,985	61,117
SOUTHERN COPPER CORP SR UNSECURED 11/42 5.25%	2,860,000	2,684,795	2,585,889

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
SOUTHERN GAS CORRIDOR GOVT GUARANT REGS 03/26 6.875%	826,000	865,081	836,697
SOUTHERN NATURAL GAS SR UNSECURED 03/32 8%	780,000	894,887	879,121
SOUTHWESTERN ENERGY CO COMPANY GUAR 02/29 5.375%	4,000	3,912	3,940
SOUTHWESTERN ENERGY CO COMPANY GUAR 02/32 4.75%	1,825,000	1,769,346	1,698,719
SOUTHWESTERN ENERGY CO COMPANY GUAR 03/30 5.375%	132,000	130,960	129,558
SOUTHWESTERN PUBLIC SERV 1ST MORTGAGE 06/54 6	1,050,000	1,042,276	1,062,616
SOVOS COMPLIANCE LLC 2021 TERM LOAN B due 08/11/28	197,961	196,974	199,152
SPDR BLACKSTONE SENIOR LOAN ET SPDR BLACKSTONE SENIOR LOAN	70,742	2,957,626	2,952,064
SPECIALTY BLDG PRODUCTS HLDGSO 2021 TERM LOAN B due 10/15/28	1,561,958	1,554,170	1,552,524
SPECIALTY BUI PRODUC HOLD LLC 2024 TERM LOAN B due 10/15/28	118,750	117,598	117,598
SPECIALTY BUILDING PRODU SR SECURED 144A 10/29 7.75%	650,000	650,000	659,578
SPECTACLE GARY HOLDINGS LLC 2021 TERM LOAN B due 12/11/28	187,500	185,987	186,718
SPECTRUM BRANDS INC COMPANY GUAR 144A 03/31 3.875%	686,000	590,691	591,269
SPIRIT AEROSYSTEMS INC COMPANY GUAR 06/28 4.6%	2,700,000	2,663,355	2,560,304
SPIRIT AEROSYSTEMS INC SR SECURED 144A 11/30 9.75%	294,000	294,000	325,343
SPIRIT AEROSYSTEMS, INC. 2022 TERM LOAN due 01/15/27	490,000	482,680	493,675
SPIRIT AIR 2015 1 PTT A PASS THRU CE 10/29 4.1%	25,747	25,786	23,929
SPRINGS WINDOWS FASHIONS LLC 2024 1ST LIEN 2ND OUT TL A2 due 10/06/28	1,315,913	1,315,913	1,177,742
SPRINT CAPITAL CORP COMPANY GUAR 03/32 8.75%	1,140,000	1,415,679	1,364,239
SPRINT LLC COMPANY GUAR 03/26 7.625%	505,000	514,487	516,080
SPX FLOW INC SR UNSECURED 144A 04/30 8.75%	2,335,000	2,232,394	2,392,651
SREIT TRUST SREIT 2021 FLWR A 144A	625,000	612,009	624,219
SREIT TRUST SREIT 2021 FLWR C 144A	1,295,000	1,264,063	1,292,572
SS+C TECHNOLOGIES INC COMPANY GUAR 144A 06/32 6.5	994,000	994,000	1,002,603
STACK INFRASTRUCTURE ISSUER LL SIDC 2023 2A A2 144A	1,450,000	1,467,254	1,460,788
STACK INFRASTRUCTURE ISSUER LL SIDC 2023 3A A2 144A	1,763,000	1,693,855	1,799,494
STANDARD BUILDING SOLUTI SR UNSECURED 144A 08/32 6.5%	2,075,000	2,083,111	2,078,323
STANDARD CHARTERED BK/NY SR UNSECURED 10/26 VAR	7,591,000	7,605,261	7,594,755
STANDARD CHARTERED PLC SR UNSECURED 144A 04/25 3.2%	1,400,000	1,391,688	1,392,850
STANDARD CHARTERED PLC SR UNSECURED 144A 04/26 4.05%	3,754,000	3,717,730	3,715,135
STANDARD CHARTERED PLC SR UNSECURED REGS 07/27 VAR	1,563,000	1,521,037	1,573,169
STANDARD CHARTERED PLC SR UNSECURED REGS 10/27 VAR	268,000	275,379	271,552
STANDARD INDUSTRIES INC SR UNSECURED 144A 01/28 4.75%	223,000	215,605	213,365
STANDARD INDUSTRIES INC SR UNSECURED 144A 01/31 3.375%	782,000	748,151	670,495
STANDARD INDUSTRIES INC SR UNSECURED 144A 02/27 5	4,000	3,939	3,915
STANDARD INDUSTRIES INC SR UNSECURED 144A 07/30 4.375%	537,000	545,235	492,005
STANDARD INDUSTRIES INC SR UNSECURED REGS 11/26 2.25%	2,400,000	2,854,462	2,432,241
STANDARD INDUSTRIES INC. 2021 TERM LOAN B due 09/22/28	241,251	240,459	241,609
STAR ENERGY CO ISSUE SR SECURED 144A 10/38 4.85%	295,000	296,263	273,117
STAR HOLDING LLC 2024 1ST LIEN TERM LOAN B due 07/31/31	698,250	691,501	695,632
STAR HOLDING LLC SR SECURED 144A 08/31 8.75%	395,000	393,101	392,013
STAR PARENT INC SR SECURED 144A 10/30 9%	1,842,000	1,885,955	1,913,101
STAR PARENT, INC. TERM LOAN B due 09/27/30	944,371	934,558	921,470
STARBUCKS CORP SR UNSECURED 02/32 3%	883,000	768,150	772,355
STARBUCKS CORP SR UNSECURED 11/28 4%	875,000	845,567	848,214
STARWOOD COMMERCIAL MORTGAGE T STWD 2019 FL1 AS 144A	15,771	15,231	15,761
STARWOOD MORTGAGE RESIDENTIAL STAR 2021 3 A1 144A	1,132,764	1,132,668	972,844
STARWOOD MORTGAGE RESIDENTIAL STAR 2021 6 A1 144A	776,777	776,718	670,247
STARWOOD PROPERTY TRUST INC 2021 TERM LOAN B3 due 07/26/26	480,122	480,122	480,122
STARWOOD PROPERTY TRUST INC 2024 TERM LOAN B due 11/18/27	1,070,925	1,070,925	1,068,248
STARWOOD PROPERTY TRUST SR UNSECURED 144A 01/27 4.375	97,000	92,688	93,783
STARWOOD PROPERTY TRUST SR UNSECURED 144A 04/29 7.25	105,000	104,545	107,705
STARWOOD PROPERTY TRUST SR UNSECURED 144A 07/26 3.625%	427,000	428,086	412,100
STARWOOD PROPERTY TRUST SR UNSECURED 144A 07/30 6.5%	2,280,000	2,280,000	2,282,860
STATE OF ISRAEL SR UNSECURED 07/30 2.75%	470,000	414,122	408,642
STATE OF ISRAEL SR UNSECURED 07/50 3.875%	200,000	200,000	141,319
STATE OF ISRAEL SR UNSECURED REGS 05/60 3.8%	1,400,000	1,411,080	905,443
STATE OF MINAS GERAIS GOVT GUARANT 144A 02/28 5.333%	200,000	209,576	197,998
STATE OF QATAR SR UNSECURED 144A 03/49 4.817%	700,000	851,827	633,097
STATE OF QATAR SR UNSECURED 144A 04/48 5.103%	900,000	1,114,836	853,875
STATE OF QATAR SR UNSECURED 144A 04/50 4.4%	995,000	1,181,659	843,075

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
STATE OF QATAR SR UNSECURED REGS 03/49 4.817%	1,563,000	1,771,217	1,413,615
STATE OF QATAR SR UNSECURED REGS 04/50 4.4%	200,000	233,804	169,462
STATE OF QATAR SR UNSECURED REGS 06/26 3.25%	943,000	956,142	923,161
STATE OIL CO OF THE AZER SR UNSECURED REGS 03/30 6.95%	608,000	679,205	628,063
STATE STREET CORP SR UNSECURED 03/31 VAR	120,000	111,377	109,965
STATE STREET CORP SR UNSECURED 08/25 3.55%	10,000,000	9,934,228	9,939,890
STATION CASINOS LLC 2024 TERM LOAN B due 03/14/31	496,250	494,044	496,488
STATION CASINOS LLC COMPANY GUAR 144A 02/28 4.5%	1,089,000	1,043,322	1,033,312
STATION CASINOS LLC COMPANY GUAR 144A 03/32 6.625	700,000	701,860	695,619
STATION CASINOS LLC COMPANY GUAR 144A 12/31 4.625%	1,122,000	982,818	1,005,078
STEEL DYNAMICS INC SR UNSECURED 04/30 3.45%	1,885,000	1,754,997	1,747,620
STEEL DYNAMICS INC SR UNSECURED 10/27 1.65%	575,000	573,350	529,011
STENA INTERNATIONAL SA SR SECURED 144A 01/31 7.25	200,000	200,000	204,049
STENA INTERNATIONAL SA SR SECURED 144A 02/31 7.625%	200,000	206,419	208,056
STEPSTNE GRUP MDCO 2 GMBH THE USD TERM LOAN due 12/04/31	1,600,000	1,552,000	1,580,000
STERIS PLC COMPANY GUAR 03/31 2.7%	1,099,000	1,072,364	949,197
STIFEL FINANCIAL CORP SR UNSECURED 05/30 4%	900,000	949,804	849,094
STL HOLDING CO LLC SR UNSECURED 144A 02/29 8.75	200,000	200,000	211,445
STRUCTURED ADJUSTABLE RATE MOR SARM 2004 14 M	831,163	808,757	733,152
STRUCTURED ASSET INVESTMENT LO SAIL 2005 HE1 M2	590,369	555,341	570,944
STRUCTURED ASSET MORTGAGE INVE SAMI 2004 AR7 A1A	529,208	520,179	507,359
STRUCTURED ASSET MORTGAGE INVE SAMI 2006 AR3 11A2	153,740	-	110,621
STRUCTURED ASSET MORTGAGE INVE SAMI 2006 AR3 3A1	172,059	126,978	74,507
STRUCTURED ASSET MORTGAGE INVE SAMI 2006 AR8 A1A	333,671	232,123	292,395
STRYKER CORP SR UNSECURED 06/30 1.95%	400,000	399,116	343,857
STRYKER CORP SR UNSECURED 09/34 4.625%	1,000,000	994,830	954,766
SUBURBAN PROPANE PARTNRS SR UNSECURED 03/27 5.875%	400,000	400,637	396,887
SUBURBAN PROPANE PARTNRS SR UNSECURED 144A 06/31 5%	870,000	796,867	775,558
SUBWAY FUNDING LLC SUBWAY 2024 1A A2I 144A	1,674,000	1,674,000	1,690,959
SUBWAY FUNDING LLC SUBWAY 2024 1A A2II 144A	155,000	155,000	157,478
SUCI SECOND INVEST CO SR UNSECURED REGS 09/27 4.375%	768,000	758,538	753,227
SUGAR HSP GMNG PROP/FIN SR SECURED 144A 05/25 5.875%	525,000	521,346	523,813
SUMITOMO MITSUI FINL GRP SR UNSECURED 01/25 2.348%	5,000,000	4,994,509	4,995,546
SUMITOMO MITSUI FINL GRP SR UNSECURED 01/26 0.948%	1,067,000	1,026,943	1,027,495
SUMITOMO MITSUI FINL GRP SR UNSECURED 07/25 1.474	10,000,000	9,806,880	9,832,598
SUMITOMO MITSUI FINL GRP SR UNSECURED 07/29 3.04%	3,300,000	3,307,381	3,029,797
SUMITOMO MITSUI FINL GRP SR UNSECURED 07/30 2.13%	2,200,000	2,200,000	1,881,575
SUMITOMO MITSUI FINL GRP SR UNSECURED 09/26 1.402%	1,309,000	1,239,320	1,237,822
SUMITOMO MITSUI TR BK LT SR UNSECURED 144A 09/25 1.05%	2,700,000	2,632,773	2,632,117
SUMITOMO MITSUI TR BK LT SR UNSECURED 144A 09/25 4.8%	4,111,000	4,116,424	4,117,659
SUMMIT DIGITEL INFRASTR SR SECURED 144A 08/31 2.875%	825,000	771,548	696,223
SUMMIT MATERIALS LLC 2023 INCREMENTAL TERM LOAN B due 11/30/28	496,250	495,241	496,339
SUMMIT MATERIALS LLC/FIN COMPANY GUAR 144A 01/29 5.25%	166,000	163,408	167,164
SUMMIT MATERIALS LLC/FIN COMPANY GUAR 144A 01/31 7.25%	1,308,000	1,308,666	1,387,900
SUMMIT MATERIALS LLC/FIN COMPANY GUAR 144A 03/27 6.5%	780,000	780,000	779,215
SUNAC CHINA HOLDINGS LIMITED 09/28 CONVERTIBLE	873,000	733,341	277,592
SUNAC CHINA HOLDINGS LTD SR SECURED 144A 09/26 6%	168,439	98,554	23,792
SUNAC CHINA HOLDINGS LTD SR SECURED 144A 09/27 6.25%	168,849	80,983	23,639
SUNAC CHINA HOLDINGS LTD SR SECURED 144A 09/27 6.5%	172,758	77,529	22,567
SUNAC CHINA HOLDINGS LTD SR SECURED 144A 09/28 6.75%	260,553	96,872	32,015
SUNAC CHINA HOLDINGS LTD SR SECURED 144A 09/29 7%	265,654	89,922	30,783
SUNAC CHINA HOLDINGS LTD SR SECURED 144A 09/30 7.25%	240,271	72,764	26,447
SUNNOVA HESTIA I ISSUER, LLC SNVA 2023 GRID1 1A 144A	230,138	224,630	227,093
SUNOCO LP COMPANY GUAR 144A 05/29 7	1,733,000	1,733,000	1,779,301
SUNOCO LP COMPANY GUAR 144A 05/32 7.25	2,697,000	2,698,798	2,785,947
SUNOCO LP/FINANCE CORP COMPANY GUAR 03/28 5.875%	100,000	100,150	99,592
SUNOCO LP/FINANCE CORP COMPANY GUAR 04/27 6%	750,000	752,158	748,513
SUNOCO LP/FINANCE CORP COMPANY GUAR 05/29 4.5%	250,000	250,000	234,878
SUNOCO LP/FINANCE CORP COMPANY GUAR 144A 09/28 7%	2,410,000	2,410,170	2,465,643
SUPPLYONE INC 2024 TERM LOAN B due 04/21/31	297,750	295,059	299,799
SURF HOLDINGS LLC 2024 INCREMENTAL TERM LOAN due 03/05/27	56,103	56,033	56,033

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
SURGERY CENTER HOLDINGS COMPANY GUAR 144A 04/32 7.25	1,964,000	1,981,425	2,003,465
SURGERY CENTER HOLDINGS INC 2024 TERM LOAN B due 12/19/30	292,834	293,424	294,834
SUZANO AUSTRIA GMBH COMPANY GUAR 01/32 3.125%	113,000	111,907	93,739
SWF ESCROW ISSUER CORP SR UNSECURED 144A 10/29 6.5%	300,000	299,507	186,223
SYCAMORE TREE CLO LTD STCP 2021 1A AR 144A	7,000,000	7,000,000	7,037,393
SYMPHONY CLO LTD SYMP 2018 19A B 144A	1,200,000	1,179,895	1,202,219
SYMPHONY CLO LTD SYMP 2020 23A CR 144A	750,000	750,000	750,586
SYMPHONY STATIC CLO LTD SSTAT 2021 1A A 144A	555,743	550,894	556,256
SYNAPTICS INC COMPANY GUAR 144A 06/29 4%	1,095,000	953,564	998,208
SYNCHRONY FINANCIAL SR UNSECURED 08/26 3.7%	900,000	922,471	880,287
SYNCHRONY FINANCIAL SUBORDINATED 02/33 7.25%	1,225,000	1,253,160	1,264,809
SYNECHRON INC TERM LOAN B due 10/03/31	750,000	742,747	754,688
SYSCO CORPORATION COMPANY GUAR 04/40 6.6%	150,000	149,744	161,880
SYSTEM ENERGY RESOURCES 1ST REF MORT 12/34 5.3%	105,000	104,758	102,845
T MOBILE USA INC COMPANY GUAR 01/33 5.2%	2,100,000	2,091,504	2,079,221
T MOBILE USA INC COMPANY GUAR 01/55 5.5%	355,000	358,504	334,444
T MOBILE USA INC COMPANY GUAR 02/26 1.5%	825,000	824,717	795,973
T MOBILE USA INC COMPANY GUAR 02/26 2.25%	1,825,000	1,822,607	1,772,582
T MOBILE USA INC COMPANY GUAR 02/28 2.05%	1,092,000	1,057,477	1,002,636
T MOBILE USA INC COMPANY GUAR 02/29 2.625%	1,860,000	1,716,283	1,690,870
T MOBILE USA INC COMPANY GUAR 02/31 2.55%	3,640,000	3,162,515	3,133,029
T MOBILE USA INC COMPANY GUAR 02/31 2.875%	10,902,000	9,888,679	9,581,663
T MOBILE USA INC COMPANY GUAR 02/41 3%	525,000	522,639	374,918
T MOBILE USA INC COMPANY GUAR 04/25 3.5%	940,000	936,115	935,758
T MOBILE USA INC COMPANY GUAR 04/27 3.75%	5,104,000	5,072,045	4,985,916
T MOBILE USA INC COMPANY GUAR 04/29 3.375%	6,705,000	6,379,913	6,258,174
T MOBILE USA INC COMPANY GUAR 04/30 3.875%	12,307,000	12,263,514	11,579,129
T MOBILE USA INC COMPANY GUAR 04/31 3.5%	3,620,000	3,584,614	3,285,862
T MOBILE USA INC COMPANY GUAR 04/34 5.15	1,570,000	1,574,663	1,545,054
T MOBILE USA INC COMPANY GUAR 04/40 4.375%	885,000	869,602	767,708
T MOBILE USA INC COMPANY GUAR 07/33 5.05	1,660,000	1,627,213	1,625,854
T MOBILE USA INC COMPANY GUAR 11/31 2.25%	34,000	29,708	28,255
T MOBILE USA INC COMPANY GUAR 11/60 3.6%	600,000	598,560	397,368
TACALA LLC 2024 TERM LOAN B due 01/31/31	300,000	302,250	301,749
TACALA LLC 2024 TERM LOAN due 01/31/31	446,631	445,658	449,234
TACO BELL FUNDING, LLC BELL 2016 1A A23 144A	529,688	510,614	527,639
TACO BELL FUNDING, LLC BELL 2018 1A A2II 144A	1,216,343	1,199,165	1,198,955
TACO BELL FUNDING, LLC BELL 2021 1A A2I 144A	3,782,625	3,627,744	3,522,979
TACO BELL FUNDING, LLC BELL 2021 1A A2II 144A	181,763	161,129	161,280
TAKE TWO INTERACTIVE SOF SR UNSECURED 04/27 3.7%	585,000	584,986	570,790
TAL ADVANTAGE VII LLC TAL 2020 1A A 144A	886,000	894,097	820,336
TALEN ENERGY SUPPLY LLC 2024 INCREMENTAL TERM LOAN B due 12/11/31	447,290	447,290	448,409
TALEN ENERGY SUPPLY LLC SR SECURED 144A 06/30 8.625%	1,545,000	1,551,955	1,646,507
TALEN ENERGY SUPPLY, LLC 2023 TERM LOAN B due 05/17/30	325,405	320,722	326,309
TALLGRASS NRG PRTNR/FIN COMPANY GUAR 144A 01/28 5.5%	110,000	100,354	105,780
TALLGRASS NRG PRTNR/FIN COMPANY GUAR 144A 03/27 6%	147,000	148,506	145,633
TALLGRASS NRG PRTNR/FIN COMPANY GUAR 144A 09/31 6%	60,000	59,649	56,630
TALLGRASS NRG PRTNR/FIN COMPANY GUAR 144A 12/30 6%	1,385,000	1,389,941	1,311,414
TALLGRASS NRG PRTNR/FIN SR UNSECURED 144A 02/29 7.375	960,000	961,863	963,039
TALOS PRODUCTION INC SECURED 144A 02/31 9.375	892,000	896,570	909,292
TAMPA ELECTRIC CO SR UNSECURED 03/29 4.9	1,949,000	1,947,083	1,947,621
TAPESTRY INC SR UNSECURED 03/30 5.1%	900,000	898,900	889,745
TAPESTRY INC SR UNSECURED 03/35 5.5%	600,000	599,192	583,415
TARGA RESOURCES CORP COMPANY GUAR 02/33 4.2%	565,000	564,199	513,369
TARGA RESOURCES CORP COMPANY GUAR 04/52 4.95	613,000	528,492	517,716
TARGA RESOURCES PARTNERS COMPANY GUAR 01/28 5%	1,591,000	1,566,918	1,573,841
TARGA RESOURCES PARTNERS COMPANY GUAR 01/29 6.875%	800,000	818,665	818,754
TARGA RESOURCES PARTNERS COMPANY GUAR 01/32 4%	2,952,000	2,731,616	2,685,913
TARGA RESOURCES PARTNERS COMPANY GUAR 02/31 4.875%	2,282,000	2,291,067	2,203,530
TARGA RESOURCES PARTNERS COMPANY GUAR 03/30 5.5%	731,000	732,962	733,299
TARGA RESOURCES PARTNERS COMPANY GUAR 07/27 6.5%	750,000	756,623	755,261

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
TAUBMAN CENTERS COMMERCIAL MOR TCO 2024 DPM A 144A	3,538,000	3,529,173	3,535,789
TAURUS CMBS TAURS 2021 UK4A D 144A	63,942	88,681	79,153
TAYLOR MORRISON COMM COMPANY GUAR 144A 01/28 5.75%	1,703,000	1,806,786	1,691,725
TAYLOR MORRISON COMM COMPANY GUAR 144A 06/27 5.875%	64,000	67,354	64,233
TCI FLATIRON CLO LTD TFLAT 2017 1A AR 144A	374,169	371,767	374,406
TCW GEM LTD TCW 2024 2A A1 144A	4,125,000	4,125,000	4,155,373
TEACHERS INSUR + ANNUITY SUBORDINATED 144A 09/44 4.9%	3,660,000	3,852,822	3,271,216
TEACHERS INSUR + ANNUITY SUBORDINATED 144A 12/39 6.85%	88,000	100,868	97,633
TEAMSYSTEM SPA SR SECURED REGS 02/28 3.5%	100,000	120,910	102,126
TEAMSYSTEM SPA SR SECURED REGS 07/31 VAR	200,000	218,289	208,136
TECHEM VERWALTUNGSGES SR SECURED REGS 07/26 6%	87,920	107,101	91,133
TECHEM VERWALTUNGSGESELL SR SECURED REGS 07/29 5.375%	136,000	148,444	145,622
TECK RESOURCES LIMITED SR UNSECURED 08/40 6%	30,000	29,821	29,274
TEGNA INC COMPANY GUAR 03/28 4.625%	159,000	158,971	150,255
TEGNA INC COMPANY GUAR 09/29 5	3,000	2,751	2,806
TEGNA INC COMPANY GUAR 144A 03/26 4.75%	86,000	86,167	84,813
TELE COLUMBUS AG SR SECURED REGS 05/25 3.875%	106,328	83,511	91,220
TELECOM ITALIA CAPITAL COMPANY GUAR 06/38 7.721%	1,482,000	1,501,256	1,530,847
TELECOM ITALIA CAPITAL COMPANY GUAR 07/36 7.2%	280,000	268,456	281,266
TELECOM ITALIA CAPITAL COMPANY GUAR 09/34 6%	341,000	308,287	328,426
TELECOM ITALIA CAPITAL COMPANY GUAR 11/33 6.375%	1,171,000	1,108,278	1,161,687
TELEFLEX INC COMPANY GUAR 11/27 4.625%	922,000	868,139	893,469
TELEFONICA EUROPE BV COMPANY GUAR REGS 12/99 VAR	600,000	687,482	658,383
TELEFONICA MOVILES CHILE SR UNSECURED 144A 11/31 3.537%	175,000	175,000	132,599
TELENET FINANCE LUX NOTE SR SECURED 144A 03/28 5.5%	2,000,000	2,001,943	1,942,000
TEMPUR SEALY INTL INC COMPANY GUAR 144A 04/29 4	3,000	2,771	2,764
TEMPUR SEALY INTL INC COMPANY GUAR 144A 10/31 3.875	104,000	92,872	90,733
TENET HEALTHCARE CORP COMPANY GUAR 10/28 6.125%	319,000	319,745	318,408
TENET HEALTHCARE CORP SECURED 02/27 6.25%	1,124,000	1,103,125	1,123,109
TENET HEALTHCARE CORP SR SECURED 01/30 4.375%	1,155,000	1,100,775	1,072,771
TENET HEALTHCARE CORP SR SECURED 05/31 6.75	3,173,000	3,174,224	3,206,621
TENET HEALTHCARE CORP SR SECURED 06/28 4.625%	380,000	380,218	363,655
TENET HEALTHCARE CORP SR SECURED 06/29 4.25%	700,000	666,799	657,159
TENET HEALTHCARE CORP SR SECURED 06/30 6.125%	1,422,000	1,423,181	1,410,792
TENET HEALTHCARE CORP SR SECURED 11/27 5.125%	852,000	852,000	834,366
TENN VALLEY AUTHORITY SR UNSECURED 01/38 6.15%	750,000	824,599	831,057
TENN VALLEY AUTHORITY SR UNSECURED 08/34 4.375%	8,770,000	8,694,373	8,476,288
TENN VALLEY AUTHORITY SR UNSECURED 09/52 4.25%	13,290,000	12,879,518	11,422,518
TENNECO INC 2022 TERM LOAN A due 11/17/28	632,939	556,114	609,698
TENNECO INC 2022 TERM LOAN B due 11/17/28	1,325,000	1,193,704	1,284,482
TENNECO INC SR SECURED 144A 11/28 8%	975,000	862,609	908,709
TEREOS FINANCE GROUPE I COMPANY GUAR REGS 04/30 5.875	100,000	107,230	106,139
TEREX CORP COMPANY GUAR 144A 05/29 5%	95,000	89,752	90,466
TEREX CORP COMPANY GUAR 144A 10/32 6.25%	1,585,000	1,590,639	1,553,293
TEREX CORPORATION 2024 TERM LOAN B due 10/08/31	650,000	650,498	651,424
TERNA RETE ELETTRICA SR UNSECURED REGS 09/30 0.375%	316,000	285,086	280,317
TERRAFORM POWER OPERATIN COMPANY GUAR 144A 01/28 5%	450,000	473,396	433,537
TERRAFORM POWER OPERATIN COMPANY GUAR 144A 01/30 4.75%	1,184,000	1,146,556	1,094,446
TERRAFORM POWER OPERATING, LLC 2023 TERM LOAN B due 05/21/29	779,900	782,578	780,547
TESCO PROPERTY FIN 3 PLC SR SECURED REGS 04/40 5.744%	1,230,489	2,079,045	1,510,797
TESLA AUTO LEASE TRUST TESLA 2024 A A2A 144A	475,174	475,145	476,153
TESLA AUTO LEASE TRUST TESLA 2024 B A2A 144A	1,826,000	1,825,865	1,828,428
TEVA PHARM FNC NL II COMPANY GUAR 09/29 7.375%	121,000	129,125	144,362
TEVA PHARM FNC NL II COMPANY GUAR 09/31 7.875%	305,000	352,622	383,710
TEVA PHARMACEUTICALS NE COMPANY GUAR 05/29 5.125%	262,000	259,486	255,848
TEVA PHARMACEUTICALS NE COMPANY GUAR 09/31 8.125%	200,000	229,361	223,499
TEVA PHARMACEUTICALS NE COMPANY GUAR 10/26 3.15%	100,000	96,066	96,090
TEXAS DEBT CAPITAL EURO CLO DA TCFCE 2024 1A B 144A	250,000	271,900	259,282
TEXAS DEBT CAPITAL EURO CLO DA TCFCE 2024 1A C 144A	250,000	271,900	259,785
TEXAS ELECTRIC MKT STABL SR SECURED 144A 08/36 4.265%	571,300	571,573	552,517
TEXAS INSTRUMENTS INC SR UNSECURED 05/63 5.05	57,000	53,539	51,453

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
TEXAS INSTRUMENTS INC SR UNSECURED 08/52 4.1	67,000	55,695	52,836
TEXAS INSTRUMENTS INC SR UNSECURED 09/51 2.7	236,000	159,480	143,532
TEXTAINER MARINE CONTAINERS LI TMCL 2020 2A A 144A	794,279	776,813	729,826
TEXTAINER MARINE CONTAINERS LI TMCL 2021 2A A 144A	1,600,600	1,448,272	1,460,332
TEXTRON INC SR UNSECURED 03/27 3.65%	282,000	275,887	274,824
TEXTRON INC SR UNSECURED 03/28 3.375	43,000	40,682	40,886
THAILAND GOVERNMENT BOND BONDS 06/25 0.95%	202,602,000	6,046,850	5,915,130
THAILAND GOVERNMENT BOND BONDS 06/36 3.4%	12,755,000	475,937	413,363
THAILAND GOVERNMENT BOND BONDS 06/38 3.3%	28,179,000	1,033,081	901,276
THAILAND GOVERNMENT BOND BONDS 06/42 2%	7,281,000	252,435	195,112
THAILAND GOVERNMENT BOND BONDS 06/46 2.875%	3,543,000	138,044	106,524
THAILAND GOVERNMENT BOND SR UNSECURED 06/26 2.35%	47,008,000	1,438,581	1,385,226
THAILAND GOVERNMENT BOND SR UNSECURED 06/32 3.775%	53,854,000	2,016,533	1,745,266
THAILAND GOVERNMENT BOND SR UNSECURED 06/37 3.39	57,714,000	1,727,713	1,860,407
THAILAND GOVERNMENT BOND SR UNSECURED 06/67 3.6%	1,107,000	49,071	36,709
THAILAND GOVERNMENT BOND SR UNSECURED 12/31 2%	21,076,000	582,063	610,466
THAILAND GOVERNMENT BOND SR UNSECURED 12/35 1.585%	54,556,000	1,488,304	1,486,559
THAMES WATER KEMBLE FINA SR SECURED REGS 05/26 4.625%	200,000	283,531	6,291
THAMES WATER UTIL FIN SR SECURED REGS 06/25 4%	100,000	121,842	100,817
THE CAMPBELLS COMPANY SR UNSECURED 03/35 4.75%	6,710,000	6,675,776	6,329,029
THE HUNTINGTON NATIONAL BANK 05/32 1	191,602	191,602	192,132
THE HUNTINGTON NATIONAL BANK HAACLN 2024 1 B1	1,706,021	1,706,021	1,724,886
THERMO FISHER SCIENTIFIC SR UNSECURED 08/33 5.086%	369,000	370,297	367,077
THERMO FISHER SCIENTIFIC SR UNSECURED 10/28 1.75%	175,000	174,955	157,383
THIRD COAST INFRASTRUCTURE LLC TERM LOAN B due 09/25/30	1,550,000	1,539,455	1,545,164
THOR INDUSTRIES COMPANY GUAR 144A 10/29 4%	1,006,000	865,934	907,049
THUNDER GENERATION FUNDING LLC TERM LOAN B due 10/03/31	94,208	93,753	94,709
TIAA CLO LTD TIA 2018 1A A2R 144A	1,275,000	1,275,000	1,277,182
TICP CLO LTD TICP 2016 6A BR2 144A	500,000	500,000	502,561
TICP CLO LTD TICP 2018 12A BR 144A	1,025,000	1,025,000	1,029,802
TICP CLO LTD TICP 2019 13A CR 144A	250,000	250,826	250,688
TIDL WSTE + RCYLNG HOLDIG LLC TERM LOAN B due 10/03/31	760,000	758,143	764,279
TIERRA MOJADA LUX II SRL SR SECURED 144A 12/40 5.75%	1,214,179	1,215,717	1,111,166
TIKEHAU TIKEH 12X D	100,000	107,120	104,940
TIME WARNER CABLE ENTRMN SR SECURED 07/33 8.375%	1,840,000	2,082,358	2,069,892
TIME WARNER CABLE LLC SR SECURED 05/37 6.55%	1,275,000	1,315,047	1,232,318
TIME WARNER CABLE LLC SR SECURED 06/39 6.75%	40,000	40,643	39,231
TIME WARNER CABLE LLC SR SECURED 07/38 7.3%	1,080,000	1,143,168	1,100,104
TIME WARNER CABLE LLC SR SECURED 11/40 5.875%	10,000	9,259	8,950
TITAN ACQUISITION LIMITED 2024 TERM LOAN B due 02/15/29	447,750	443,893	451,108
TITANIUM 2L BONDSCO SARL SR SECURED 01/31 6.25%	327,600	371,869	113,642
TITULOS DE TESORERIA BONDS 02/33 13.25%	6,704,500,000	1,871,280	1,642,957
TITULOS DE TESORERIA BONDS 03/31 7%	9,520,500,000	2,209,442	1,764,415
TITULOS DE TESORERIA BONDS 04/28 6%	4,189,900,000	1,037,370	835,947
TITULOS DE TESORERIA BONDS 06/32 7%	2,337,300,000	473,348	413,755
TITULOS DE TESORERIA BONDS 09/30 7.75%	1,514,500,000	329,472	298,359
TITULOS DE TESORERIA BONDS 10/34 7.25%	4,572,800,000	643,937	769,953
TITULOS DE TESORERIA BONDS 10/50 7.25%	4,552,900,000	763,856	614,148
TK ELEVATOR HOLDCO GMBH COMPANY GUAR 144A 07/28 7.625%	901,000	907,866	900,306
TK ELEVATOR US NEWCO INC SR SECURED 144A 07/27 5.25%	625,000	594,165	611,843
TK ELEVATOR US NEWCO INC USD TERM LOAN B due 04/30/30	2,498,089	2,495,400	2,514,651
TMS INTERNATIONAL CORP SR UNSECURED 144A 04/29 6.25%	1,630,000	1,562,300	1,567,346
TOORAK MORTGAGE CORP. TRK 2021 INV2 A1 144A	1,306,245	1,110,871	1,122,178
TOPBUILD CORP COMPANY GUAR 144A 03/29 3.625%	1,485,000	1,416,401	1,359,201
TOPGOLF CALLAWAY BRANDS CORP. TERM LOAN B due 03/15/30	332,368	332,726	330,566
TORONTO DOMINION BANK SR UNSECURED 06/25 3.766	5,000,000	4,970,853	4,981,431
TORONTO DOMINION BANK SR UNSECURED 06/32 4.456%	1,535,000	1,531,788	1,454,100
TOWD POINT MORTGAGE TRUST TPMT 2015 2 2B3 144A	1,000,000	927,462	954,083
TOWD POINT MORTGAGE TRUST TPMT 2016 1 B3 144A	2,250,000	2,009,939	2,022,454
TOWD POINT MORTGAGE TRUST TPMT 2016 5 B2 144A	1,730,000	1,453,937	1,514,887
TOWD POINT MORTGAGE TRUST TPMT 2017 2 A2 144A	328,202	315,526	325,426

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
TOWD POINT MORTGAGE TRUST TPMT 2017 2 B1 144A	1,610,000	1,405,225	1,522,705
TOWD POINT MORTGAGE TRUST TPMT 2017 2 B3 144A	1,500,000	1,424,853	1,344,608
TOWD POINT MORTGAGE TRUST TPMT 2017 4 B1 144A	700,000	628,302	605,139
TOWD POINT MORTGAGE TRUST TPMT 2017 5 M2 144A	1,750,000	1,745,802	1,766,984
TOWD POINT MORTGAGE TRUST TPMT 2017 6 B1 144A	900,000	730,713	748,200
TOWD POINT MORTGAGE TRUST TPMT 2018 1 B2 144A	1,500,000	1,337,143	1,323,773
TOWD POINT MORTGAGE TRUST TPMT 2018 2 B1 144A	1,600,000	1,300,314	1,370,710
TOWD POINT MORTGAGE TRUST TPMT 2018 3 B1 144A	1,500,000	1,171,186	1,221,472
TOWD POINT MORTGAGE TRUST TPMT 2018 5 B1 144A	2,000,000	1,448,328	1,511,246
TOWD POINT MORTGAGE TRUST TPMT 2019 2 A2 144A	1,280,000	1,153,011	1,141,945
TOWD POINT MORTGAGE TRUST TPMT 2019 2 M1 144A	1,250,000	978,656	1,076,834
TOWD POINT MORTGAGE TRUST TPMT 2019 4 A1 144A	1,704,530	1,720,218	1,621,473
TOWD POINT MORTGAGE TRUST TPMT 2019 4 M1 144A	1,530,000	1,416,762	1,323,933
TOWD POINT MORTGAGE TRUST TPMT 2019 HY1 B1 144A	1,130,000	1,119,245	1,156,968
TOWD POINT MORTGAGE TRUST TPMT 2019 HY2 A1 144A	664,830	653,960	679,951
TOWD POINT MORTGAGE TRUST TPMT 2019 HY2 M2 144A	1,220,000	1,185,910	1,246,192
TOWD POINT MORTGAGE TRUST TPMT 2019 HY3 A1A 144A	535,696	536,691	547,398
TOWD POINT MORTGAGE TRUST TPMT 2019 HY3 A2 144A	1,186,000	1,203,609	1,211,385
TOWD POINT MORTGAGE TRUST TPMT 2020 1 B1 144A	1,077,000	838,645	895,206
TOWD POINT MORTGAGE TRUST TPMT 2022 4 A1 144A	3,649,701	3,473,002	3,426,941
TOWD POINT MORTGAGE TRUST TPMT 2024 CES1 A1A 144A	486,487	485,342	486,207
TOWD POINT MORTGAGE TRUST TPMT 2024 CES1 A1B 144A	1,337,840	1,334,484	1,337,974
TOWD POINT MORTGAGE TRUST TPMT 2024 CES2 A1A 144A	1,984,422	1,984,304	1,991,594
TOYOTA AUTO LOAN EXTENDED NOTE TALNT 2023 1A A 144A	3,483,000	3,482,185	3,512,457
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 D A2A	3,545,000	3,544,785	3,547,519
TOYOTA LEASE OWNER TRUST TLOT 2024 B A2A 144A	2,717,000	2,716,691	2,712,549
TOYOTA MOTOR CREDIT CORP SR UNSECURED 01/26 4.8%	5,580,000	5,598,410	5,592,828
TOYOTA MOTOR CREDIT CORP SR UNSECURED 02/25 1.8	8,000,000	7,968,449	7,972,621
TOYOTA MOTOR CREDIT CORP SR UNSECURED 04/26 VAR	6,285,000	6,285,000	6,288,166
TOYOTA MOTOR CREDIT CORP SR UNSECURED 06/25 3.95%	1,911,000	1,898,491	1,904,494
TOYOTA MOTOR CREDIT CORP SR UNSECURED 10/25 0.8%	2,828,000	2,748,412	2,746,893
TOYOTA MOTOR FINANCE BV SR UNSECURED REGS 04/26 VAR	330,000	352,720	342,158
TP ICAP FINANCE PLC SR UNSECURED REGS 05/26 5.25%	1,200,000	1,646,836	1,500,615
TRAFIGURA SECURITISATION FINAN TRFIG 2024 1A A2 144A	2,207,000	2,206,902	2,230,438
TRANS ALLEGHENY INTERSTA SR UNSECURED 144A 06/25 3.85%	2,250,000	2,232,636	2,238,885
TRANSCANADA PIPELINES SR UNSECURED 04/30 4.1%	4,300,000	4,295,951	4,083,122
TRANSCANADA TRUST COMPANY GUAR 03/77 VAR	1,850,000	1,891,520	1,775,525
TRANSCANADA TRUST COMPANY GUAR 03/82 VAR	2,325,000	2,153,861	2,204,677
TRANSCANADA TRUST COMPANY GUAR 08/76 VAR	7,068,000	6,755,817	6,973,806
TRANSCANADA TRUST COMPANY GUAR 09/79 VAR	2,150,000	2,249,237	2,066,090
TRANSCONT GAS PIPE LINE SR UNSECURED 02/26 7.85%	490,000	502,089	502,263
TRANSDIGM INC 2024 TERM LOAN due 01/19/32	564,585	566,698	565,466
TRANSDIGM INC 2024 TERM LOAN K due 03/22/30	906,759	906,002	909,235
TRANSDIGM INC COMPANY GUAR 01/29 4.625%	1,027,000	1,016,790	961,393
TRANSDIGM INC COMPANY GUAR 05/29 4.875%	466,000	455,121	440,043
TRANSDIGM INC COMPANY GUAR 11/27 5.5%	196,000	194,783	192,596
TRANSDIGM INC SR SECURED 144A 01/33 6%	2,405,000	2,405,000	2,357,034
TRANSDIGM INC SR SECURED 144A 03/29 6.375	7,698,000	7,698,688	7,715,103
TRANSDIGM INC SR SECURED 144A 03/32 6.625	2,638,000	2,644,046	2,661,810
TRANSDIGM INC SR SECURED 144A 08/28 6.75%	830,000	842,978	837,241
TRANSDIGM INC SR SECURED 144A 12/30 6.875%	2,256,000	2,257,657	2,289,557
TRANSDIGM INC SR SECURED 144A 12/31 7.125	1,464,000	1,514,981	1,499,082
TRANSMONTAIGE PARTNERS COMPANY GUAR 02/26 6.125%	633,000	598,470	629,279
TRANSNET SOC LTD SR UNSECURED 144A 02/28 8.25%	660,000	655,273	672,421
TRANSOCEAN AQUILA LTD SR SECURED 144A 09/28 8%	376,692	375,894	385,134
TRANSOCEAN INC COMPANY GUAR 144A 05/29 8.25	265,000	265,000	259,586
TRANSOCEAN INC COMPANY GUAR 144A 05/31 8.5	190,000	190,528	186,263
TRANSOCEAN TITAN FIN LTD SR SECURED 144A 02/28 8.375%	477,000	479,267	486,720
TRAVEL + LEISURE CO 2023 TERM LOAN B due 12/14/29	441,914	441,251	442,745
TRAVEL + LEISURE CO SR SECURED 04/27 6%	2,000	1,993	2,000
TRAVEL + LEISURE CO SR SECURED 144A 07/26 6.625%	188,000	194,672	190,009

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
TRAVEL + LEISURE CO SR SECURED 144A 12/29 4.5%	749,000	664,985	699,536
TREEHOUSE FOODS INC COMPANY GUAR 09/28 4%	200,000	201,330	181,467
TRESTLES CLO LTD TREST 2017 1A A1RR 144A	1,300,000	1,300,000	1,311,006
TRESTLES CLO LTD TREST 2024 7A A1 144A	1,500,000	1,500,000	1,504,522
TRI POINTE HOMES INC COMPANY GUAR 06/27 5.25%	225,000	231,605	220,976
TRI POINTE HOMES INC COMPANY GUAR 06/28 5.7%	355,000	372,477	352,694
TRICOLOR AUTO SECURITIZATION T TAST 2024 3A A 144A	3,128,851	3,128,680	3,138,111
TRIDENT TPI HOLDINGS INC 2024 TERM LOAN B7 due 09/15/28	124,059	124,059	124,990
TRIMARAN ADVISORS CAVU 2019 2 CAVU 2019 2A C 144A	250,000	251,573	251,389
TRIMARAN CAVU LTD CAVU 2021 1A AR 144A	2,450,000	2,450,000	2,457,830
TRINET GROUP INC SR UNSECURED 144A 08/31 7.125%	2,730,000	2,727,602	2,779,836
TRINIDAD + TOBAGO SR UNSECURED 144A 06/34 6.4%	204,000	203,020	200,579
TRINITAS CLO LTD TRNTS 2018 9A CRR 144A	1,000,000	1,000,000	1,003,492
TRINITAS CLO LTD TRNTS 2020 14A BR 144A	1,000,000	1,000,000	1,000,000
TRINITAS CLO LTD TRNTS 2020 14A CR 144A	1,250,000	1,250,000	1,251,950
TRINITAS CLO LTD TRNTS 2023 25A A1 144A	1,500,000	1,500,000	1,511,219
TRINITAS CLO LTD TRNTS 2024 29A A1 144A	305,000	305,000	306,329
TRINITAS CLO LTD TRNTS 2024 29A D1 144A	335,000	335,000	339,260
TRINITAS CLO LTD TRNTS 2024 31A A1 144A	430,000	430,000	431,107
TRINITY INDUSTRIES INC COMPANY GUAR 144A 07/28 7.75%	365,000	368,656	378,772
TRINSEO OP / TRINSEO FIN COMPANY GUAR 144A 04/29 5.125%	1,776,000	1,778,758	1,097,068
TRITON WATER HOLDINGS IN SR UNSECURED 144A 04/29 6.25%	195,000	193,505	193,579
TRITON WATER HOLDINGS, INC. TERM LOAN due 03/31/28	198,462	197,114	199,778
TRIUMPH GROUP INC SR SECURED 144A 03/28 9%	800,000	800,000	832,986
TRIVIUM PACKAGING FIN SR SECURED 144A 08/26 5.5%	1,559,000	1,543,638	1,536,693
TRONOX INC COMPANY GUAR 144A 03/29 4.625%	310,000	297,098	278,256
TRP LLC TRP 2021 1 A 144A	1,591,138	1,532,905	1,476,108
TRUIST BANK SR UNSECURED 03/25 1.5	4,248,000	4,217,623	4,221,106
TRUIST FINANCIAL CORP JR SUBORDINA 12/99 VAR	1,190,000	1,210,218	1,160,157
TRUIST FINANCIAL CORP SR UNSECURED 01/29 VAR	1,675,000	1,663,668	1,666,602
TRUIST FINANCIAL CORP SR UNSECURED 01/30 VAR	700,000	711,823	706,081
TRUIST FINANCIAL CORP SR UNSECURED 01/35 VAR	3,790,000	3,821,784	3,819,796
TRUIST FINANCIAL CORP SR UNSECURED 03/27 VAR	3,200,000	3,031,198	3,068,631
TRUIST FINANCIAL CORP SR UNSECURED 06/25 3.7	17,721,000	17,573,706	17,638,690
TRUIST FINANCIAL CORP SR UNSECURED 06/27 VAR	385,000	385,000	391,382
TRUIST FINANCIAL CORP SR UNSECURED 08/25 1.2%	10,000,000	9,765,673	9,798,814
TRUIST INSURANCE HOLDINGS LLC 2024 TERM LOAN B due 05/06/31	658,871	658,871	659,899
TRUIST INSURANCE HOLDINGS LLC 2ND LIEN TERM LOAN due 05/06/32	157,895	157,895	161,283
TSY INFL IX N/B 04/25 0.125%	543,803	537,652	540,427
TSY INFL IX N/B 07/25 0.375%	3,400,858	3,353,401	3,380,191
TSY INFL IX N/B 07/34 1.875%	9,013,402	8,963,740	8,736,043
TTM TECHNOLOGIES INC 2024 TERM LOAN B due 05/30/30	432,936	432,936	432,754
TTM TECHNOLOGIES INC COMPANY GUAR 144A 03/29 4%	2,189,000	2,180,289	2,031,282
TUI CRUISES GMBH SR UNSECURED REGS 05/30 5%	126,000	133,390	132,435
TURK IHRACAT KR BK SR UNSECURED REGS 01/27 9%	361,000	359,744	379,018
TURKIYE GOVERNMENT BOND BONDS 10/33 26.2	125,746,319	3,798,945	3,408,585
TURKIYE GOVERNMENT BOND BONDS 11/28 31.08%	12,309,000	447,268	343,831
TVA PRIN STRIP BONDS 04/56	9,885,000	4,337,204	1,879,647
TWILIO INC COMPANY GUAR 03/29 3.625%	537,000	481,761	493,871
TWILIO INC COMPANY GUAR 03/31 3.875%	700,000	680,300	627,798
U.S. TREASURY FRN 01/25 VAR%	21,991,200	21,993,365	21,991,913
U.S. TREASURY N/B 01/30 3.5%	1,090,000	1,052,657	1,045,591
U.S. TREASURY N/B 02/27 1.875%	2,320,000	2,212,002	2,206,809
U.S. TREASURY N/B 02/30 1.5%	57,495,000	59,920,671	49,917,338
U.S. TREASURY N/B 02/30 4%	48,584,000	47,901,946	47,678,744
U.S. TREASURY N/B 02/32 1.875%	4,340,000	4,351,733	3,650,177
U.S. TREASURY N/B 02/33 3.5%	122,121,100	120,551,121	113,615,556
U.S. TREASURY N/B 02/37 4.75%	18,040,000	21,551,519	18,307,077
U.S. TREASURY N/B 02/38 4.375%	39,660,000	54,758,427	38,600,334
U.S. TREASURY N/B 02/40 4.625%	18,720,000	22,556,227	18,446,512
U.S. TREASURY N/B 02/41 1.875%	63,120,000	57,166,788	42,334,781

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
U.S. TREASURY N/B 02/41 4.75%	29,390,000	39,386,440	29,280,935
U.S. TREASURY N/B 02/42 2.375%	52,565,000	40,658,768	37,462,829
U.S. TREASURY N/B 02/42 3.125%	41,595,000	37,670,508	33,407,609
U.S. TREASURY N/B 02/43 3.125%	27,495,000	29,713,061	21,743,604
U.S. TREASURY N/B 02/43 3.875%	10,905,000	10,305,509	9,632,182
U.S. TREASURY N/B 02/44 3.625%	132,825,000	155,871,715	112,195,617
U.S. TREASURY N/B 02/45 2.5%	95,780,000	74,606,899	66,533,428
U.S. TREASURY N/B 02/46 2.5%	8,180,000	7,015,273	5,600,744
U.S. TREASURY N/B 02/47 3%	27,080,000	22,737,402	20,092,090
U.S. TREASURY N/B 02/48 3%	136,755,400	118,790,074	100,456,457
U.S. TREASURY N/B 02/49 3%	46,029,900	43,700,642	33,538,895
U.S. TREASURY N/B 02/50 2%	153,365,000	123,952,603	89,209,306
U.S. TREASURY N/B 02/51 1.875%	75,345,000	62,312,609	41,975,406
U.S. TREASURY N/B 02/52 2.25%	96,258,000	74,269,714	58,461,695
U.S. TREASURY N/B 02/53 3.625%	234,645,000	216,382,528	190,969,867
U.S. TREASURY N/B 03/30 3.625%	93,125,000	91,280,293	89,738,305
U.S. TREASURY N/B 04/29 2.875%	6,730,000	6,357,822	6,333,824
U.S. TREASURY N/B 04/30 3.5%	174,395,000	171,856,850	166,867,404
U.S. TREASURY N/B 05/25 4.25%	20,000,000	19,950,779	19,994,922
U.S. TREASURY N/B 05/28 1.25%	17,200	15,638	15,532
U.S. TREASURY N/B 05/30 0.625%	80,655,000	75,017,946	66,171,757
U.S. TREASURY N/B 05/30 3.75%	264,060,000	261,201,846	255,550,255
U.S. TREASURY N/B 05/31 1.625%	63,569,000	53,940,709	53,623,928
U.S. TREASURY N/B 05/32 2.875%	37,470,000	37,722,513	33,651,280
U.S. TREASURY N/B 05/33 3.375%	121,280,000	117,919,197	111,463,900
U.S. TREASURY N/B 05/37 5%	700,000	882,520	725,648
U.S. TREASURY N/B 05/38 4.5%	50,885,000	54,890,025	50,111,787
U.S. TREASURY N/B 05/40 1.125%	138,600,000	91,242,941	83,457,774
U.S. TREASURY N/B 05/41 2.25%	73,288,700	59,317,745	52,069,331
U.S. TREASURY N/B 05/41 4.375%	28,240,000	29,468,155	26,920,663
U.S. TREASURY N/B 05/42 3%	18,260,000	20,126,671	14,346,939
U.S. TREASURY N/B 05/42 3.25%	76,115,000	69,831,382	61,980,207
U.S. TREASURY N/B 05/43 2.875%	196,710,000	177,315,270	149,161,505
U.S. TREASURY N/B 05/43 3.875%	74,430,000	68,611,819	65,576,901
U.S. TREASURY N/B 05/44 3.375%	32,670,000	40,362,449	26,507,366
U.S. TREASURY N/B 05/45 3%	20,355,000	21,372,825	15,397,444
U.S. TREASURY N/B 05/46 2.5%	77,645,000	83,104,962	52,938,119
U.S. TREASURY N/B 05/47 3%	53,110,000	55,524,668	39,299,326
U.S. TREASURY N/B 05/48 3.125%	254,315,000	225,165,973	190,766,053
U.S. TREASURY N/B 05/49 2.875%	73,060,000	76,008,092	51,869,746
U.S. TREASURY N/B 05/51 2.375%	113,153,800	86,303,964	71,278,054
U.S. TREASURY N/B 05/52 2.875%	182,301,000	148,025,369	127,710,397
U.S. TREASURY N/B 05/53 3.625%	125,049,400	113,891,630	101,827,336
U.S. TREASURY N/B 06/25 2.75%	20,000,000	19,801,883	19,856,562
U.S. TREASURY N/B 06/26 4.125%	1,127,000	1,126,835	1,125,019
U.S. TREASURY N/B 06/28 1.25%	143,000	143,879	128,828
U.S. TREASURY N/B 06/30 3.75%	72,210,000	71,672,968	69,846,250
U.S. TREASURY N/B 07/25 0.25%	50,079,900	48,715,677	48,940,876
U.S. TREASURY N/B 07/25 4.75%	14,786,600	14,766,604	14,827,321
U.S. TREASURY N/B 07/26 4.5%	2,540,000	2,543,632	2,549,029
U.S. TREASURY N/B 07/30 4%	284,816,000	278,151,793	278,808,162
U.S. TREASURY N/B 08/25 3.125%	30,406,400	30,058,485	30,195,456
U.S. TREASURY N/B 08/28 2.875%	8,620,000	8,160,635	8,198,765
U.S. TREASURY N/B 08/30 0.625%	147,784,000	132,069,420	119,999,454
U.S. TREASURY N/B 08/30 4.125%	76,175,000	75,084,291	74,993,693
U.S. TREASURY N/B 08/31 1.25%	165,070,000	150,406,674	134,699,698
U.S. TREASURY N/B 08/32 2.75%	42,050,000	39,606,639	37,291,451
U.S. TREASURY N/B 08/33 3.875%	164,746,400	158,280,842	156,811,545
U.S. TREASURY N/B 08/40 1.125%	65,650,000	64,408,789	39,192,537
U.S. TREASURY N/B 08/41 1.75%	13,790,000	10,778,968	8,940,337
U.S. TREASURY N/B 08/41 3.75%	24,220,000	24,475,019	21,328,738

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
U.S. TREASURY N/B 08/42 2.75%	72,640,000	59,302,899	54,636,063
U.S. TREASURY N/B 08/42 3.375%	71,226,000	64,717,222	58,858,829
U.S. TREASURY N/B 08/43 3.625%	32,830,000	33,703,573	27,840,096
U.S. TREASURY N/B 08/43 4.375%	87,305,000	85,166,463	82,233,807
U.S. TREASURY N/B 08/44 3.125%	31,785,000	31,886,025	24,712,838
U.S. TREASURY N/B 08/45 2.875%	42,490,000	46,831,305	31,376,209
U.S. TREASURY N/B 08/46 2.25%	34,555,000	31,014,949	22,336,568
U.S. TREASURY N/B 08/47 2.75%	90,920,000	77,995,047	64,027,569
U.S. TREASURY N/B 08/48 3%	67,775,000	71,942,149	49,571,059
U.S. TREASURY N/B 08/49 2.25%	200,090,000	148,455,945	124,087,064
U.S. TREASURY N/B 08/50 3.375%	109,125,000	79,008,435	53,313,531
U.S. TREASURY N/B 08/51 2%	116,195,000	87,719,009	66,517,099
U.S. TREASURY N/B 08/52 3%	46,888,000	40,793,722	33,698,919
U.S. TREASURY N/B 08/53 4.125%	95,561,100	90,283,647	85,254,686
U.S. TREASURY N/B 09/30 4.625%	33,610,000	33,508,900	33,918,529
U.S. TREASURY N/B 10/25 5%	86,598,000	87,259,587	87,097,291
U.S. TREASURY N/B 10/30 4.875%	67,250,000	69,987,773	68,726,347
U.S. TREASURY N/B 11/25 0.375%	660,000	659,967	637,328
U.S. TREASURY N/B 11/25 4.875%	43,100,000	43,209,668	43,333,346
U.S. TREASURY N/B 11/29 3.875%	2,833,000	2,856,148	2,769,036
U.S. TREASURY N/B 11/30 0.875%	73,356,000	72,015,527	60,011,512
U.S. TREASURY N/B 11/30 4.375%	157,015,000	159,491,836	156,426,194
U.S. TREASURY N/B 11/31 1.375%	129,845,000	117,085,474	106,097,567
U.S. TREASURY N/B 11/33 4.5%	199,235,600	202,384,850	198,363,944
U.S. TREASURY N/B 11/39 4.375%	29,200,000	31,281,736	28,012,609
U.S. TREASURY N/B 11/40 1.375%	1,590,000	1,033,417	985,303
U.S. TREASURY N/B 11/40 4.25%	53,820,000	50,420,746	50,634,949
U.S. TREASURY N/B 11/41 2%	30,380,000	23,688,538	20,422,243
U.S. TREASURY N/B 11/41 3.125%	38,645,000	42,176,541	31,131,869
U.S. TREASURY N/B 11/42 2.75%	127,330,000	120,870,586	95,268,703
U.S. TREASURY N/B 11/42 4%	66,460,000	64,772,683	59,863,326
U.S. TREASURY N/B 11/43 3.75%	103,750,000	95,981,635	89,431,690
U.S. TREASURY N/B 11/43 4.75%	60,610,000	62,513,130	59,906,829
U.S. TREASURY N/B 11/44 3%	34,655,000	30,663,144	26,331,032
U.S. TREASURY N/B 11/45 3%	37,817,500	41,521,787	28,470,964
U.S. TREASURY N/B 11/46 2.875%	10,555,000	11,248,619	7,677,938
U.S. TREASURY N/B 11/47 2.75%	101,750,000	78,492,194	71,495,273
U.S. TREASURY N/B 11/48 3.375%	95,125,000	83,916,202	74,401,870
U.S. TREASURY N/B 11/49 2.375%	95,290,000	85,596,363	60,650,597
U.S. TREASURY N/B 11/50 1.625%	82,952,000	64,353,406	43,332,699
U.S. TREASURY N/B 11/51 1.875%	55,321,000	40,844,578	30,569,174
U.S. TREASURY N/B 11/52 4%	175,287,900	171,315,035	152,945,539
U.S. TREASURY N/B 11/53 4.75%	202,576,000	211,225,582	200,740,155
U.S. TREASURY N/B 12/25 0.375%	84,854,100	81,664,635	81,707,206
U.S. TREASURY N/B 12/26 4.375%	978,000	982,461	980,139
U.S. TREASURY N/B 12/29 3.875%	5,208,000	5,195,703	5,087,362
U.S. TREASURY STRIPS 02/37	102,775,000	66,700,288	57,227,100
U.S. TREASURY STRIPS 02/43	25,605,000	12,045,092	10,242,690
U.S. TREASURY STRIPS 05/37	52,565,000	36,609,557	28,814,272
U.S. TREASURY STRIPS 05/40	67,820,000	47,193,507	31,291,312
U.S. TREASURY STRIPS 05/41	21,895,000	15,978,989	9,566,214
U.S. TREASURY STRIPS 08/40	30,010,000	13,137,704	13,667,696
U.S. TSY INFL IX N/B 01/33 1.125%	2,575,022	2,423,679	2,368,737
U.S. TSY INFL IX N/B 02/53 1.5%	69,719,450	59,835,286	55,857,164
UBER TECHNOLOGIES INC SR UNSECURED 01/30 4.3%	805,000	804,781	778,765
UBER TECHNOLOGIES INC SR UNSECURED 09/34 4.8%	4,892,000	4,885,223	4,681,981
UBER TECHNOLOGIES INC SR UNSECURED 09/54 5.35%	1,210,000	1,205,827	1,125,190
UBS AG LONDON SR UNSECURED 09/28 5.65%	2,845,000	2,872,328	2,910,561
UBS AG LONDON SR UNSECURED REGS 04/26 VAR	400,000	426,193	414,494
UBS COMMERCIAL MORTGAGE TRUST UBSCM 2017 C7 C	450,000	497,489	414,963
UBS COMMERCIAL MORTGAGE TRUST UBSCM 2018 NYCH B 144A	2,400,000	2,400,000	2,350,229

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
UBS GROUP AG JR SUBORDINA 144A 12/99 VAR	1,850,000	1,741,885	1,641,334
UBS GROUP AG JR SUBORDINA REGS 12/49 VAR	1,500,000	1,520,462	1,501,820
UBS GROUP AG JR SUBORDINA REGS 12/99 VAR	216,000	197,181	211,626
UBS GROUP AG SR UNSECURED 03/25 3.75%	21,099,000	21,005,733	21,035,869
UBS GROUP AG SR UNSECURED 04/26 4.55%	1,204,000	1,208,042	1,199,714
UBS GROUP AG SR UNSECURED 144A 01/28 4.282	2,600,000	2,491,011	2,542,134
UBS GROUP AG SR UNSECURED 144A 01/29 VAR	367,000	356,680	353,310
UBS GROUP AG SR UNSECURED 144A 01/34 VAR	6,050,000	6,045,518	6,187,387
UBS GROUP AG SR UNSECURED 144A 02/27 VAR	700,000	570,105	672,648
UBS GROUP AG SR UNSECURED 144A 02/33 VAR	715,000	630,040	597,059
UBS GROUP AG SR UNSECURED 144A 03/28 4.253%	1,114,000	1,092,873	1,082,625
UBS GROUP AG SR UNSECURED 144A 04/31 VAR	2,935,000	2,800,602	2,775,403
UBS GROUP AG SR UNSECURED 144A 05/26 VAR	300,000	299,443	299,303
UBS GROUP AG SR UNSECURED 144A 05/28 4.751%	350,000	349,082	347,779
UBS GROUP AG SR UNSECURED 144A 05/32 VAR	1,775,000	1,648,765	1,544,880
UBS GROUP AG SR UNSECURED 144A 06/26 VAR	1,776,000	1,747,781	1,754,922
UBS GROUP AG SR UNSECURED 144A 09/25 4.125%	4,235,000	4,207,840	4,215,282
UBS GROUP AG SR UNSECURED 144A 09/30 VAR	1,000,000	999,675	1,015,788
UBS GROUP AG SR UNSECURED 144A 09/34 VAR	3,225,000	3,282,806	3,373,897
UBS GROUP AG SR UNSECURED 144A 11/33 VAR	1,550,000	1,550,000	1,880,220
UBS GROUP AG SR UNSECURED 144A 12/27 VAR	750,000	750,000	769,682
UDR INC COMPANY GUAR 08/32 2.1%	300,000	299,791	238,371
UFC HOLDINGS LLC 2024 TERM LOAN B due 11/21/31	150,000	149,815	150,648
UGI INTERNATIONAL LLC COMPANY GUAR REGS 12/29 2.5%	100,000	111,965	96,313
UKG INC SR SECURED 144A 02/31 6.875	4,911,000	4,939,292	4,982,369
UKG, INC, 2024 TERM LOAN B due 02/10/31	380,395	380,395	382,807
UKRAINE GOVERNMENT SR UNSECURED 144A 02/29 VAR	1,620,886	1,053,425	1,125,028
UKRAINE GOVERNMENT SR UNSECURED 144A 02/30 VAR	325,904	151,660	178,595
UKRAINE GOVERNMENT SR UNSECURED 144A 02/34 VAR	5,336,880	2,372,830	2,830,295
UKRAINE GOVERNMENT SR UNSECURED 144A 02/35 VAR	2,921,670	1,288,520	1,643,755
UKRAINE GOVERNMENT SR UNSECURED 144A 02/36 VAR	2,167,577	936,702	1,229,264
UKRAINE GOVERNMENT SR UNSECURED 144A 08/41 VAR	275,000	275,000	212,438
UKRAINE GOVERNMENT SR UNSECURED 144A 09/25 7.75%	196,000	198,819	72,853
ULTRA CLEAN HOLDINGS INC 2024 TERM LOAN B due 02/28/28	90,855	90,484	91,480
UNICREDIT SPA REGS 02/29 VAR	150,000	161,245	161,328
UNICREDIT SPA SUBORDINATED 144A 04/34 VAR	6,850,000	6,821,368	7,155,070
UNICREDIT SPA SUBORDINATED 144A 06/35 VAR	3,975,000	3,610,228	3,839,586
UNION PACIFIC CORP SR UNSECURED 02/30 2.4%	1,840,000	1,655,243	1,633,247
UNION PACIFIC CORP SR UNSECURED 02/32 2.8%	1,050,000	1,046,836	910,997
UNION PACIFIC CORP SR UNSECURED 02/50 3.25%	121,000	88,350	82,732
UNION PACIFIC CORP SR UNSECURED 02/70 3.75%	20,000	14,294	13,369
UNION PACIFIC CORP SR UNSECURED 03/52 2.95	622,000	411,686	393,461
UNION PACIFIC CORP SR UNSECURED 03/60 3.839%	630,000	477,217	450,456
UNION PACIFIC CORP SR UNSECURED 04/36 2.891%	1,050,000	874,231	847,342
UNION PACIFIC CORP SR UNSECURED 08/25 3.25%	4,612,000	4,560,665	4,572,736
UNION PACIFIC CORP SR UNSECURED 09/48 4.5%	88,000	92,858	74,527
UNION PACIFIC CORP SR UNSECURED 10/51 3.799	81,000	63,652	60,517
UNION PACIFIC RR CO 07 3 PASS THRU CE 01/31 6.176%	1,143,212	1,143,212	1,167,559
UNIPOLSAI ASSICURAZIONI SUBORDINATED REGS 05/34 4.9	100,000	108,548	107,719
UNITED AIR 2013 1 A PTT PASS THRU CE 02/27 4.3	21,142	20,756	21,026
UNITED AIR 2019 1 AA PTT PASS THRU CE 02/33 4.15%	108,913	108,913	103,937
UNITED AIR 2019 2 A PTT PASS THRU CE 11/29 2.9%	77,648	76,734	71,176
UNITED AIR 2020 1 A PTT PASS THRU CE 04/29 5.875%	1,683,253	1,717,115	1,718,910
UNITED AIR 2024 1 A PTT PASS THRU CE 08/38 5.875%	705,000	705,000	717,397
UNITED AIR 2024 1 AA PTT PASS THRU CE 08/38 5.45%	1,000,000	1,000,000	1,001,445
UNITED AIRLINES INC 2024 1ST LIEN TERM LOAN B due 02/22/31	1,467,250	1,467,250	1,469,876
UNITED AIRLINES INC 2024 TERM LOAN B due 02/22/31	417,500	415,664	418,247
UNITED AIRLINES INC SR SECURED 144A 04/26 4.375%	2,532,000	2,492,784	2,489,611
UNITED AIRLINES INC SR SECURED 144A 04/29 4.625%	3,260,000	3,170,232	3,099,563
UNITED MEXICAN STATES SR UNSECURED 01/28 3.75%	1,060,000	1,058,247	1,006,340
UNITED MEXICAN STATES SR UNSECURED 01/40 6.05%	6,430,000	6,404,561	5,945,796

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
UNITED MEXICAN STATES SR UNSECURED 01/45 5.55%	1,327,000	1,362,316	1,148,712
UNITED MEXICAN STATES SR UNSECURED 01/47 4.35%	1,825,000	1,510,157	1,272,407
UNITED MEXICAN STATES SR UNSECURED 02/28 5.4%	222,000	221,726	219,563
UNITED MEXICAN STATES SR UNSECURED 02/35 6.35%	400,000	404,990	390,699
UNITED MEXICAN STATES SR UNSECURED 02/48 4.6%	800,000	897,303	572,834
UNITED MEXICAN STATES SR UNSECURED 02/52 4.4%	2,573,000	2,125,503	1,737,668
UNITED MEXICAN STATES SR UNSECURED 03/27 4.15%	422,000	426,295	412,216
UNITED MEXICAN STATES SR UNSECURED 03/44 4.75%	1,878,000	1,773,070	1,424,952
UNITED MEXICAN STATES SR UNSECURED 04/29 4.5%	592,000	624,682	564,033
UNITED MEXICAN STATES SR UNSECURED 04/30 3.25%	1,500,000	1,554,274	1,304,726
UNITED MEXICAN STATES SR UNSECURED 04/71 3.75%	2,180,000	1,757,375	1,198,691
UNITED MEXICAN STATES SR UNSECURED 05/31 2.659%	1,913,000	1,869,595	1,552,091
UNITED MEXICAN STATES SR UNSECURED 05/36 6	5,682,000	5,735,039	5,346,946
UNITED MEXICAN STATES SR UNSECURED 05/53 6.338%	2,314,000	2,260,359	2,059,034
UNITED MEXICAN STATES SR UNSECURED 05/54 6.4%	781,000	765,499	699,375
UNITED MEXICAN STATES SR UNSECURED 05/61 3.771%	3,757,000	3,138,848	2,126,257
UNITED MEXICAN STATES SR UNSECURED 12/99 5.75%	1,376,000	1,419,970	1,053,122
UNITED NATURAL FOODS INC 2024 TERM LOAN due 05/01/31	698,500	701,013	707,930
UNITED PARCEL SERVICE SR UNSECURED 05/64 5.6%	550,000	562,338	534,124
UNITED RENTALS NORTH AM COMPANY GUAR 01/28 4.875%	92,000	92,666	89,537
UNITED RENTALS NORTH AM COMPANY GUAR 01/30 5.25%	85,000	80,748	82,587
UNITED RENTALS NORTH AM COMPANY GUAR 01/32 3.75%	906,000	913,935	793,497
UNITED RENTALS NORTH AM COMPANY GUAR 02/31 3.875%	1,264,000	1,223,537	1,129,183
UNITED RENTALS NORTH AM COMPANY GUAR 05/27 5.5	7,000	6,994	6,958
UNITED RENTALS NORTH AM COMPANY GUAR 07/30 4%	425,000	390,165	386,848
UNITED RENTALS NORTH AM COMPANY GUAR 144A 03/34 6.125	2,233,000	2,257,118	2,215,535
UNITED WHOLESALE MTGE LL SR UNSECURED 144A 04/29 5.5%	463,000	400,845	445,984
UNITED WHOLESALE MTGE LL SR UNSECURED 144A 06/27 5.75	164,000	159,401	161,992
UNITED WHOLESALE MTGE LL SR UNSECURED 144A 11/25 5.5	3,000	2,991	2,985
UNITEDHEALTH GROUP INC SR UNSECURED 01/47 4.2%	663,000	582,676	536,270
UNITEDHEALTH GROUP INC SR UNSECURED 02/63 6.05	47,000	50,952	48,056
UNITEDHEALTH GROUP INC SR UNSECURED 03/36 5.8%	300,000	319,365	309,595
UNITEDHEALTH GROUP INC SR UNSECURED 04/31 4.9	5,666,000	5,631,676	5,633,637
UNITEDHEALTH GROUP INC SR UNSECURED 04/33 4.5%	4,085,000	3,890,811	3,875,311
UNITEDHEALTH GROUP INC SR UNSECURED 04/34 5	4,470,000	4,438,050	4,365,785
UNITEDHEALTH GROUP INC SR UNSECURED 04/47 4.25%	58,000	49,515	47,053
UNITEDHEALTH GROUP INC SR UNSECURED 04/53 5.05%	1,064,000	1,057,024	959,653
UNITEDHEALTH GROUP INC SR UNSECURED 04/63 5.2	123,000	116,813	110,837
UNITEDHEALTH GROUP INC SR UNSECURED 04/64 5.5	28,000	27,447	26,207
UNITEDHEALTH GROUP INC SR UNSECURED 05/29 4%	400,000	391,666	386,769
UNITEDHEALTH GROUP INC SR UNSECURED 05/30 2%	380,000	332,447	327,628
UNITEDHEALTH GROUP INC SR UNSECURED 05/31 2.3%	80,000	69,437	68,063
UNITEDHEALTH GROUP INC SR UNSECURED 05/32 4.2%	280,000	270,755	263,900
UNITEDHEALTH GROUP INC SR UNSECURED 05/60 3.125%	150,000	98,607	89,436
UNITEDHEALTH GROUP INC SR UNSECURED 06/48 4.25%	179,000	151,772	143,823
UNITEDHEALTH GROUP INC SR UNSECURED 07/54 5.625%	4,285,000	4,326,675	4,167,266
UNITEDHEALTH GROUP INC SR UNSECURED 07/64 5.75%	1,453,000	1,478,677	1,416,912
UNITEDHEALTH GROUP INC SR UNSECURED 08/49 3.7%	170,000	131,702	123,851
UNITEDHEALTH GROUP INC SR UNSECURED 08/59 3.875%	121,000	93,384	85,766
UNITEDHEALTH GROUP INC SR UNSECURED 10/47 3.75%	300,000	237,472	223,870
UNITEDHEALTH GROUP INC SR UNSECURED 12/28 3.875%	210,000	205,329	203,130
UNITEDHEALTH GROUP INC SR UNSECURED 12/48 4.45%	80,000	69,964	65,962
UNITI GROUP/CSL CAPITAL SR SECURED 144A 02/28 10.5%	1,040,000	1,076,711	1,108,932
UNITI GROUP/CSL CAPITAL SR SECURED 144A 04/28 4.75%	1,164,000	1,091,708	1,090,943
UNIV OF CALIFORNIA CA REVENUES UNVHGR 05/12 FIXED 4.858%	230,000	212,229	191,153
UNIV OF CALIFORNIA CA REVENUES UNVHGR 05/50 FIXED 2.65%	165,000	122,419	104,266
UNIV OF CALIFORNIA CA REVENUES UNVHGR 12/99 FIXED 4.767%	71,000	64,333	57,898
UNIVISION COMMUNICATIONS INC 2022 FIRST LIEN TERM LOAN B due 06/24/29	1,975,664	1,943,230	1,981,848
UNIVISION COMMUNICATIONS INC 2022 TERM LOAN B due 01/31/29	148,347	148,803	146,864
UNIVISION COMMUNICATIONS INC. 2024 TERM LOAN B due 01/23/29	199,000	197,247	199,249
UNIVISION COMMUNICATIONS SR SECURED 144A 05/29 4.5%	420,000	381,333	375,932

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
UNIVISION COMMUNICATIONS SR SECURED 144A 06/27 6.625%	854,000	859,866	850,560
UNIVISION COMMUNICATIONS SR SECURED 144A 06/30 7.375%	1,272,000	1,231,242	1,216,743
UNIVISION COMMUNICATIONS SR SECURED 144A 07/31 8.5%	800,000	799,910	784,400
UNIVISION COMMUNICATIONS SR SECURED 144A 08/28 8%	493,000	495,233	501,978
UNUM GROUP SR UNSECURED 12/28 6.75%	509,000	502,454	536,047
UPC BROADBAND FINCO BV SR SECURED 144A 07/31 4.875%	400,000	385,240	362,824
UPC FINANCING PARTNERSHIP 2021 USD TERM LOAN AX due 01/31/29	273,779	272,326	274,899
UPSTART SECURITIZATION TRUST UPST 2024 1 A 144A	2,025,515	2,025,365	2,021,877
URU MONETARY REG BILL BILLS 04/25	4,583,000	107,453	102,007
URU MONETARY REG BILL BILLS 05/25	22,352,000	518,258	496,636
URU MONETARY REG BILL BILLS 07/25	12,152,000	279,019	264,597
URU MONETARY REG BILL BILLS 08/25	5,023,000	113,817	108,619
URU MONETARY REG BILL BILLS 10/25	37,780,000	846,168	806,277
US AIRWAYS 2012 2A PTT PASS THRU CE 12/26 4.625%	275,731	282,336	274,811
US BANCORP JR SUBORDINA 12/99 VAR	2,710,000	2,627,292	2,562,976
US BANCORP SR UNSECURED 01/28 VAR	680,000	625,407	644,673
US BANCORP SR UNSECURED 05/25 1.45	14,305,000	14,099,222	14,141,665
US BANCORP SR UNSECURED 05/28 VAR	300,000	325,043	309,908
US BANCORP SR UNSECURED 06/29 VAR	1,630,000	1,647,976	1,667,108
US BANCORP SR UNSECURED 06/34 VAR	1,211,000	1,214,283	1,235,156
US BANCORP SR UNSECURED 10/33 VAR	1,775,000	1,840,642	1,814,810
US BANK NA CINCINNATI SR UNSECURED 01/25 2.8	15,000,000	14,974,212	14,972,139
US BANK NA CINCINNATI SR UNSECURED 10/27 VAR	500,000	500,000	497,211
US FOODS INC 2024 TERM LOAN B due 11/22/28	474,330	474,330	477,361
US FOODS INC COMPANY GUAR 144A 01/32 7.25%	2,084,000	2,090,338	2,156,761
US FOODS INC COMPANY GUAR 144A 02/29 4.75%	341,000	341,496	326,567
US FOODS INC COMPANY GUAR 144A 04/33 5.75%	937,000	937,000	910,308
US FOODS INC COMPANY GUAR 144A 06/30 4.625%	361,000	360,875	339,573
US FOODS INC COMPANY GUAR 144A 09/28 6.875%	1,266,000	1,266,187	1,295,305
US TREASURY N/B 0.25% due 06/30/25	32,163,700	31,402,101	31,548,381
US TREASURY N/B 0.25% due 09/30/25	76,706,900	74,457,144	74,477,007
US TREASURY N/B 0.38% due 04/30/25	50,174,300	49,393,952	49,537,322
US TREASURY N/B 0.50% due 03/31/25	20,789,400	20,564,151	20,603,432
US TREASURY N/B 0.63% due 11/30/27	1,841,300	1,644,390	1,658,177
US TREASURY N/B 01/26 3.875%	61,100,100	60,847,440	60,895,319
US TREASURY N/B 05/26 4.875	5,585,000	5,587,623	5,631,033
US TREASURY N/B 05/31 4.625	11,435,000	11,685,358	11,527,909
US TREASURY N/B 05/34 4.375	320,493,300	324,814,254	315,635,823
US TREASURY N/B 05/50 1.25%	18,830,000	9,232,811	8,944,250
US TREASURY N/B 06/26 4.625	112,930,000	113,221,682	113,529,941
US TREASURY N/B 06/27 4.625	4,950,000	4,968,737	4,990,992
US TREASURY N/B 06/29 4.25%	20,294,000	20,434,957	20,179,054
US TREASURY N/B 06/31 4.25	191,500,000	191,141,677	189,076,328
US TREASURY N/B 07/27 2.75%	17,700,000	17,331,663	17,044,547
US TREASURY N/B 07/27 4.375%	4,031,000	4,056,463	4,040,920
US TREASURY N/B 07/29 4%	200,000	199,030	196,805
US TREASURY N/B 07/31 4.125%	172,230,000	176,770,362	168,785,400
US TREASURY N/B 08/25 2.75%	60,000,000	59,216,251	59,411,250
US TREASURY N/B 08/26 3.75%	3,795,000	3,803,181	3,764,759
US TREASURY N/B 08/27 3.75%	28,095,000	28,071,118	27,735,033
US TREASURY N/B 08/29 3.625%	5,000,000	5,025,625	4,840,625
US TREASURY N/B 08/31 3.75%	205,555,000	205,612,165	196,923,295
US TREASURY N/B 08/34 3.875%	235,134,000	232,795,272	222,385,328
US TREASURY N/B 08/44 4.125%	185,000	183,662	167,598
US TREASURY N/B 08/54 4.25%	100,621,000	95,998,162	92,052,493
US TREASURY N/B 09/25 5%	98,698,600	99,349,632	99,213,683
US TREASURY N/B 09/27 3.375%	8,050,000	8,022,675	7,865,731
US TREASURY N/B 09/29 3.5%	26,535,000	26,053,487	25,528,536
US TREASURY N/B 09/31 3.625%	15,014,000	14,959,142	14,266,232
US TREASURY N/B 1.13% due 02/28/25	24,784,500	24,624,005	24,658,448
US TREASURY N/B 10/25 0.25%	50,000,000	48,392,137	48,388,281

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Retirement Assets		
--	-------------------	--	--

Issuer Name	Par Value	Book Value	Market Value
US TREASURY N/B 10/27 0.5%	19,770,000	18,169,589	17,793,000
US TREASURY N/B 10/27 3.875%	3,730,000	3,705,893	3,690,369
US TREASURY N/B 10/29 4.125%	6,870,000	6,863,447	6,790,029
US TREASURY N/B 10/31 4.125%	86,490,000	86,182,170	84,652,088
US TREASURY N/B 11/25 2.25%	13,240,100	13,061,148	13,013,467
US TREASURY N/B 11/25 2.875%	70,000,000	69,120,675	69,139,218
US TREASURY N/B 11/25 4.5%	40,109,800	40,330,818	40,184,066
US TREASURY N/B 11/26 4.25%	89,000	88,891	88,976
US TREASURY N/B 11/27 4.125%	6,515,000	6,519,082	6,485,479
US TREASURY N/B 11/28 1.5%	1,197,800	1,109,145	1,075,634
US TREASURY N/B 11/29 4.125%	7,905,000	7,899,120	7,814,216
US TREASURY N/B 11/31 4.125%	158,743,000	155,492,607	155,344,908
US TREASURY N/B 11/34 4.25%	122,988,000	122,238,068	119,817,216
US TREASURY N/B 11/44 4.625%	62,041,000	61,434,725	60,218,546
US TREASURY N/B 11/54 4.5%	50,287,000	49,384,398	48,031,942
US TREASURY N/B 12/26 4.25%	340,000	339,543	340,000
US TREASURY N/B 12/29 4.375%	6,650,000	6,632,677	6,645,844
US TREASURY N/B 2.00% due 02/15/25	8,662,000	8,629,263	8,637,300
US TREASURY N/B 2.13% due 05/15/25	8,336,800	8,247,291	8,271,473
US TREASURY N/B 2.63% due 03/31/25	15,000,000	14,917,208	14,940,820
US TREASURY N/B 2.75% due 02/28/25	2,166,000	2,157,882	2,160,551
US TREASURY N/B 2.88% due 04/30/25	25,000,000	24,839,208	24,883,399
US TREASURY N/B 2.88% due 07/31/25	104,052,600	102,767,438	103,242,738
US TREASURY N/B 3.75% due 12/31/30	15,870,000	15,615,743	15,288,513
US TREASURY N/B 3.88% due 03/31/25	5,776,800	5,760,579	5,770,888
US TREASURY N/B 3.88% due 04/30/25	95,675,000	95,267,427	95,529,992
US TREASURY N/B 4.00% due 01/15/27	14,900,000	14,823,383	14,825,500
US TREASURY N/B 4.00% due 01/31/31	131,060,000	128,370,940	127,855,174
US TREASURY N/B 4.00% due 02/15/34	67,050,000	64,899,159	64,202,994
US TREASURY N/B 4.13% due 01/31/25	85,000,000	84,938,936	84,980,060
US TREASURY N/B 4.13% due 03/31/29	3,185,000	3,138,212	3,153,274
US TREASURY N/B 4.13% due 03/31/31	116,720,000	116,048,321	114,563,416
US TREASURY N/B 4.25% due 02/15/54	147,676,000	140,983,495	134,950,481
US TREASURY N/B 4.25% due 02/28/29	8,507,000	8,511,639	8,466,127
US TREASURY N/B 4.25% due 02/28/31	92,125,000	93,209,922	91,070,601
US TREASURY N/B 4.25% due 03/15/27	9,175,000	9,069,685	9,171,774
US TREASURY N/B 4.25% due 12/31/25	95,000,000	94,927,107	95,023,008
US TREASURY N/B 4.50% due 02/15/44	87,743,000	85,219,634	83,835,695
US TREASURY N/B 4.50% due 03/31/26	1,427,000	1,419,021	1,430,846
US TREASURY N/B 4.50% due 04/15/27	18,848,000	18,788,685	18,940,768
US TREASURY N/B 4.50% due 05/15/27	21,857,000	21,854,296	21,963,724
US TREASURY N/B 4.63% due 02/28/26	76,350,000	76,405,596	76,657,190
US TREASURY N/B 4.63% due 04/30/29	30,950,000	31,624,932	31,242,574
US TREASURY N/B 4.63% due 04/30/31	172,910,000	175,918,201	174,355,420
US TREASURY N/B 4.63% due 05/15/44	73,325,000	73,599,642	71,159,621
US TREASURY N/B 4.63% due 05/15/54	81,610,000	84,133,133	79,429,483
US TREASURY N/B 4.63% due 06/30/25	115,000,000	114,731,324	115,276,719
US TREASURY N/B 4.88% due 04/30/26	4,210,000	4,212,263	4,242,562
US TREASURY STRIPS 02/33	26,227,200	19,210,586	17,885,793
US TREASURY STRIPS 05/32	50,679,500	38,213,298	35,905,185
US TREASURY STRIPS 05/33	3,900,000	2,833,620	2,627,625
US TREASURY STRIPS 08/29	59,080,000	49,954,084	47,969,012
US TREASURY STRIPS 08/30	25,580,000	20,783,608	19,756,751
US TREASURY STRIPS 08/33	25,580,000	18,328,601	17,018,427
US TREASURY STRIPS 11/29	11,332,000	9,492,552	9,090,576
US TREASURY STRIPS 11/30	25,580,000	20,547,197	19,495,546
US TREASURY STRIPS 11/31	25,580,000	19,716,864	18,543,791
USA COM PART/USA COM FIN COMPANY GUAR 09/27 6.875	134,000	134,758	134,442
USA COM PART/USA COM FIN COMPANY GUAR 144A 03/29 7.125	3,127,000	3,135,089	3,182,183
USALCO LLC 2024 DELAYED DRAW TERM LOAN due 09/30/31	4,793	4,793	4,823
USALCO LLC 2024 TERM LOAN B due 09/30/31	46,523	46,298	46,813

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
USI INC 2024 TERM LOAN 2029 due 11/22/29	786,070	786,070	784,010
USI INC 2024 TERM LOAN 2030 due 09/27/30	723,183	723,183	721,194
USI INC/NY SR UNSECURED 144A 01/32 7.5%	2,550,000	2,550,000	2,637,201
USQ RAIL II LLC / USQ CANADA R STEAM 2021 3A A 144A	1,027,815	1,012,617	950,565
UWM HOLDINGS LLC COMPANY GUAR 144A 02/30 6.625%	1,246,000	1,246,253	1,238,302
UZBEKISTAN INTL BOND SR UNSECURED 144A 05/27 5.375	568,000	616,848	591,070
UZBEKISTAN INTL BOND SR UNSECURED 144A 10/28 7.85%	420,000	416,308	433,684
VAIL RESORTS INC COMPANY GUAR 144A 05/32 6.5	1,065,000	1,065,251	1,076,947
VALARIS LTD SECURED 144A 04/30 8.375%	1,750,000	1,800,023	1,768,444
VALE OVERSEAS LIMITED COMPANY GUAR 06/54 6.4	1,373,000	1,365,693	1,350,007
VALE OVERSEAS LIMITED COMPANY GUAR 07/30 3.75%	1,350,000	1,353,568	1,235,576
VALLOUREC SACA SR UNSECURED 144A 04/32 7.5	885,000	885,000	916,994
VANTAGE DATA CENTERS LLC VDC 2020 1A A2 144A	1,400,000	1,302,028	1,360,833
VAR ENERGI ASA JR SUBORDINA REGS 11/83 VAR	200,000	231,270	228,560
VARSITY BRANDS INC 2024 TERM LOAN B due 08/26/31	1,333,730	1,327,061	1,334,063
VASA TRUST VASA 2021 VASA B 144A	1,500,000	1,123,743	1,370,339
VEDANTA RESOURCES COMPANY GUAR 144A 09/29 10.875%	374,000	374,000	386,394
VEGAS TRUST VEGAS 2024 GCS C 144A	390,000	379,751	373,929
VEGAS TRUST VEGAS 2024 TI A 144A	1,550,000	1,549,985	1,553,751
VELOCITY VEHICLE GROUP SR UNSECURED 144A 06/29 8	1,808,000	1,827,092	1,880,139
VENTURE GLOBAL CALCASIEU SR SECURED 144A 01/30 6.25%	110,000	113,762	111,030
VENTURE GLOBAL CALCASIEU SR SECURED 144A 08/29 3.875%	1,916,000	1,829,133	1,760,263
VENTURE GLOBAL CALCASIEU SR SECURED 144A 08/31 4.125%	1,652,000	1,462,655	1,479,414
VENTURE GLOBAL CALCASIEU SR SECURED 144A 11/33 3.875%	3,402,000	3,043,618	2,922,735
VENTURE GLOBAL LNG INC JR SUBORDINA 144A 12/99 VAR	460,000	460,000	480,950
VENTURE GLOBAL LNG INC SR SECURED 144A 01/30 7%	2,994,000	3,026,314	3,038,847
VENTURE GLOBAL LNG INC SR SECURED 144A 02/29 9.5%	4,305,000	4,438,531	4,758,170
VENTURE GLOBAL LNG INC SR SECURED 144A 02/32 9.875%	1,970,000	1,997,104	2,161,640
VENTURE GLOBAL LNG INC SR SECURED 144A 06/28 8.125%	3,214,000	3,208,998	3,343,501
VENTURE GLOBAL LNG INC SR SECURED 144A 06/31 8.375%	6,237,000	6,252,126	6,504,733
VERALTO CORP COMPANY GUAR 09/33 5.45%	1,400,000	1,421,254	1,405,577
VERDE PURCHASER LLC SR SECURED 144A 11/30 10.5%	775,000	794,845	834,660
VERIFONE SYS INC TERM LOAN due 08/20/25	634,805	623,831	593,200
VERISURE HOLDING AB SR SECURED REGS 02/27 3.25%	100,000	120,925	101,997
VERISURE HOLDING AB SR SECURED REGS 10/27 9.25%	80,000	77,044	86,878
VERITIV CORPORATION TERM LOAN B due 11/30/30	1,576,600	1,560,402	1,580,210
VERIZON COMMUNICATIONS SR UNSECURED 01/31 1.75%	870,000	732,846	717,079
VERIZON COMMUNICATIONS SR UNSECURED 01/36 4.272%	663,000	610,353	596,456
VERIZON COMMUNICATIONS SR UNSECURED 02/29 3.875%	1,000,000	973,117	964,447
VERIZON COMMUNICATIONS SR UNSECURED 02/54 5.5%	735,000	750,545	705,296
VERIZON COMMUNICATIONS SR UNSECURED 03/30 3.15%	390,000	362,393	357,028
VERIZON COMMUNICATIONS SR UNSECURED 03/31 2.55%	15,099,000	13,330,343	13,011,242
VERIZON COMMUNICATIONS SR UNSECURED 03/41 3.4%	2,120,000	2,093,937	1,605,096
VERIZON COMMUNICATIONS SR UNSECURED 03/47 5.5%	80,000	81,863	77,068
VERIZON COMMUNICATIONS SR UNSECURED 03/61 3.7%	450,000	423,226	305,635
VERIZON COMMUNICATIONS SR UNSECURED 05/33 5.05%	2,315,000	2,270,140	2,290,778
VERIZON COMMUNICATIONS SR UNSECURED 08/33 4.5%	1,190,000	1,149,645	1,121,728
VERIZON COMMUNICATIONS SR UNSECURED 08/46 4.862%	2,130,000	1,922,654	1,903,209
VERIZON COMMUNICATIONS SR UNSECURED 09/28 4.329%	4,490,000	4,465,044	4,405,691
VERIZON COMMUNICATIONS SR UNSECURED 09/35 5.85	180,000	188,663	185,035
VERIZON COMMUNICATIONS SR UNSECURED 11/34 4.4%	934,000	892,537	865,565
VERIZON COMMUNICATIONS SR UNSECURED 11/40 2.65%	10,000	7,142	6,846
VERIZON COMMUNICATIONS SR UNSECURED 11/50 2.875%	500,000	498,819	307,670
VERTIV GROUP CORPORATION 2024 TERM LOAN B due 03/02/27	744,295	746,180	746,621
VERTIV GROUP CORPORATION SR SECURED 144A 11/28 4.125%	800,000	800,000	755,058
VERUS SECURITIZATION TRUST VERUS 2021 2 A2 144A	1,333,312	1,133,946	1,179,381
VERUS SECURITIZATION TRUST VERUS 2021 3 A1 144A	1,488,302	1,488,217	1,249,218
VERUS SECURITIZATION TRUST VERUS 2021 6 A1 144A	2,119,443	2,119,264	1,783,723
VERUS SECURITIZATION TRUST VERUS 2021 7 A1 144A	1,077,722	944,730	948,512
VERUS SECURITIZATION TRUST VERUS 2021 7 A2 144A	943,029	775,076	803,544
VERUS SECURITIZATION TRUST VERUS 2022 2 A1 144A	474,418	417,869	447,343

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
VERUS SECURITIZATION TRUST VERUS 2022 3 A1 144A	797,614	795,515	750,652
VERUS SECURITIZATION TRUST VERUS 2022 6 A1 144A	362,314	359,974	358,446
VERUS SECURITIZATION TRUST VERUS 2022 7 A1 144A	2,016,331	1,978,528	2,002,766
VERUS SECURITIZATION TRUST VERUS 2023 4 A1 144A	1,958,492	1,948,774	1,963,568
VERUS SECURITIZATION TRUST VERUS 2023 8 A1 144A	2,792,865	2,792,745	2,813,804
VERUS SECURITIZATION TRUST VERUS 2023 8 A2 144A	678,824	678,795	685,515
VERUS SECURITIZATION TRUST VERUS 2023 INV3 A1 144A	1,575,659	1,575,569	1,597,922
VERUS SECURITIZATION TRUST VERUS 2024 4 A1 144A	712,149	719,851	717,502
VERUS SECURITIZATION TRUST VERUS 2024 5 A1 144A	1,008,572	1,008,538	1,015,566
VERUS SECURITIZATION TRUST VERUS 2024 6 A3 144A	504,192	506,081	505,000
VERUS SECURITIZATION TRUST VERUS 2024 INV1 A1 144A	833,424	833,382	839,176
VERUS SECURITIZATION TRUST VERUS 2024 INV1 A2 144A	1,239,955	1,239,892	1,247,497
VF CORP SR UNSECURED 04/30 2.95%	180,000	156,903	153,730
VF UKRAINE (VFU FUNDING) SR UNSECURED REGS 02/25 6.2%	200,000	195,868	185,500
VFH PARENT / VALOR CO SR SECURED 144A 06/31 7.5	2,555,000	2,558,327	2,627,952
VFH PARENT LLC 2024 TERM LOAN B due 06/21/31	62,121	61,977	62,238
VIASAT INC SR UNSECURED 144A 05/31 7.5%	243,000	178,042	168,930
VIASAT INC SR UNSECURED 144A 07/28 6.5%	236,000	196,787	191,287
VIAVI SOLUTIONS INC COMPANY GUAR 144A 10/29 3.75%	1,835,000	1,610,171	1,654,791
VICI PROPERTIES / NOTE COMPANY GUAR 144A 01/28 4.5%	2,292,000	2,226,854	2,241,552
VICI PROPERTIES / NOTE COMPANY GUAR 144A 02/27 3.75%	1,751,000	1,672,376	1,699,971
VICI PROPERTIES / NOTE COMPANY GUAR 144A 02/27 5.75%	433,000	434,645	436,724
VICI PROPERTIES / NOTE COMPANY GUAR 144A 02/29 3.875%	2,564,000	2,405,123	2,416,036
VICI PROPERTIES / NOTE COMPANY GUAR 144A 06/25 4.625%	47,000	46,880	46,815
VICI PROPERTIES / NOTE COMPANY GUAR 144A 08/30 4.125%	600,000	554,245	557,500
VICI PROPERTIES / NOTE COMPANY GUAR 144A 09/26 4.5%	1,199,000	1,186,399	1,186,792
VICI PROPERTIES / NOTE COMPANY GUAR 144A 12/26 4.25%	6,677,000	6,555,971	6,566,207
VICI PROPERTIES / NOTE COMPANY GUAR 144A 12/29 4.625%	1,000,000	961,193	957,830
VICI PROPERTIES LP SR UNSECURED 02/28 4.75%	5,699,000	5,581,129	5,651,734
VICI PROPERTIES LP SR UNSECURED 02/30 4.95%	550,000	536,094	539,277
VICI PROPERTIES LP SR UNSECURED 04/54 6.125%	291,000	295,627	289,128
VICI PROPERTIES LP SR UNSECURED 05/25 4.375	43,000	42,752	42,877
VICI PROPERTIES LP SR UNSECURED 11/31 5.125%	1,500,000	1,489,865	1,466,748
VICTRA HLDG/VICTRA FIN SR SECURED 144A 09/29 8.75%	505,000	510,440	528,004
VIKING BAKED GOODS ACQUI SR SECURED 144A 11/31 8.625%	340,000	341,558	334,001
VIKING CRUISES LTD COMPANY GUAR 144A 09/27 5.875%	346,000	336,117	343,401
VIKING CRUISES LTD SR UNSECURED 144A 02/29 7%	1,274,000	1,268,678	1,280,990
VIKING CRUISES LTD SR UNSECURED 144A 07/31 9.125%	2,239,000	2,316,604	2,407,506
VIKING OCEAN CRUISES SHI SR SECURED 144A 02/29 5.625%	675,000	669,408	664,223
VIPER ENERGY INC SR UNSECURED 144A 11/27 5.375%	6,597,000	6,534,928	6,505,071
VIPER ENERGY INC SR UNSECURED 144A 11/31 7.375%	1,279,000	1,279,000	1,339,037
VIRGIN MEDIA BRISTOL LLC 2020 USD TERM LOAN Q due 01/31/29	500,000	500,000	496,720
VIRGIN MEDIA FINANCE PLC COMPANY GUAR 144A 07/30 5%	444,000	456,526	375,779
VIRGIN MEDIA O2 V DAC SR SECURED REGS 03/32 7.875%	100,000	127,425	125,112
VIRGIN MEDIA SECURED FIN SR SECURED 144A 05/29 5.5%	1,339,000	1,364,275	1,255,909
VIRGIN MEDIA SECURED FIN SR SECURED 144A 08/30 4.5%	813,000	773,934	702,175
VIRGIN MEDIA SECURED FIN SR SECURED REGS 01/30 4.25%	2,200,000	2,500,425	2,417,758
VIRGIN MEDIA VEND FIN IV SR UNSECURED 144A 07/28 5%	850,000	855,761	801,269
VIRGIN MEDIA VENDOR FIN SR SECURED REGS 07/28 4.875%	100,000	142,470	116,736
VIRGINIA ELEC + POWER CO SR UNSECURED 01/26 3.15%	1,405,000	1,385,410	1,384,123
VIRGINIA ELEC + POWER CO SR UNSECURED 01/34 5	2,150,000	2,135,958	2,091,585
VIRGINIA ELEC + POWER CO SR UNSECURED 05/25 3.1	21,222,000	21,041,218	21,094,060
VIRGINIA ELEC + POWER CO SR UNSECURED 12/50 2.45%	622,000	382,237	350,442
VIRTUSA CORPORATION 2024 TERM LOAN B due 02/15/29	149,250	149,250	150,137
VISA INC SR UNSECURED 04/30 2.05%	320,000	283,500	279,908
VISA INC SR UNSECURED 12/25 3.15%	2,990,000	2,955,924	2,955,366
VISA INC SR UNSECURED 12/45 4.3%	520,000	468,112	445,319
VISTA OIL + GAS ARGENTIN SR UNSECURED 144A 12/35 7.625%	125,000	125,000	124,188
VISTAJET MALTA/VM HOLDS SR UNSECURED 144A 06/28 9.5%	117,000	105,265	117,735
VISTRA CORP COMPANY GUAR 144A 07/27 5%	1,154,000	1,142,728	1,132,297
VISTRA CORP COMPANY GUAR 144A 09/26 5.5%	3,440,000	3,434,508	3,429,148

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities

Retirement Assets

Issuer Name	Par Value	Book Value	Market Value
VISTRA CORP JR SUBORDINA 144A 12/99 VAR	100,000	100,153	100,570
VISTRA CORP JR SUBORDINA 144A VAR	500,000	500,000	510,282
VISTRA OPERATIONS CO LLC COMPANY GUAR 144A 02/27 5.625%	1,270,000	1,255,001	1,264,912
VISTRA OPERATIONS CO LLC COMPANY GUAR 144A 04/32 6.875	2,386,000	2,386,000	2,443,065
VISTRA OPERATIONS CO LLC COMPANY GUAR 144A 05/29 4.375%	315,000	311,550	296,580
VISTRA OPERATIONS CO LLC COMPANY GUAR 144A 10/31 7.75%	1,782,000	1,766,112	1,869,435
VISTRA OPERATIONS CO LLC SR SECURED 144A 04/34 6	1,968,000	2,018,882	1,994,235
VISTRA OPERATIONS CO LLC SR SECURED 144A 10/33 6.95%	862,000	941,312	927,414
VISTRA OPERATIONS CO LLC SR SECURED 144A 12/26 5.05%	2,107,000	2,114,165	2,109,750
VISTRA ZERO OPRTNG COMPANY LLC TERM LOAN B due 04/30/31	149,250	149,422	149,405
VITAL ENERGY INC COMPANY GUAR 10/30 9.75%	275,000	292,168	289,939
VITAL ENERGY INC COMPANY GUAR 144A 04/32 7.875	2,580,000	2,575,794	2,482,466
VITERRA FINANCE BV COMPANY GUAR REGS 09/25 0.375%	1,055,000	1,160,813	1,070,347
VMED O2 UK FINAN SR SECURED 144A 01/31 4.25%	2,303,000	2,201,841	1,965,370
VMED O2 UK FINAN SR SECURED 144A 07/31 4.75%	2,983,000	2,747,241	2,564,420
VMED O2 UK FINAN SR SECURED REGS 01/29 4%	100,000	117,743	111,464
VMED O2 UK FINAN SR SECURED REGS 07/31 4.5%	548,000	634,357	585,084
VMED O2 UK FINANCING I SR SECURED 144A 04/32 7.75	670,000	670,000	675,146
VMWARE LLC SR UNSECURED 05/30 4.7%	435,000	491,048	425,764
VMWARE LLC SR UNSECURED 08/26 1.4%	1,350,000	1,349,243	1,278,829
VMWARE LLC SR UNSECURED 08/28 1.8%	469,000	467,708	420,731
VMWARE LLC SR UNSECURED 08/31 2.2%	875,000	873,823	726,010
VODAFONE GROUP PLC JR SUBORDINA 04/79 VAR	2,925,000	2,931,226	2,995,407
VODAFONE GROUP PLC JR SUBORDINA 06/81 VAR	217,000	201,303	199,306
VODAFONE GROUP PLC JR SUBORDINA REGS 08/80 VAR	415,000	463,055	415,242
VODAFONE GROUP PLC SR UNSECURED 06/54 5.75	2,750,000	2,741,618	2,654,902
VODAFONE GROUP PLC SR UNSECURED 06/64 5.875	1,660,000	1,646,134	1,609,593
VOLCAN CIA MINERA SAA CM SR SECURED 144A 01/30 8.75%	252,000	222,538	241,290
VOLKSWAGEN AUTO LEASE TRUST VWALT 2024 A A2A	2,451,537	2,451,480	2,463,707
VOLKSWAGEN AUTO LOAN ENHANCED VALET 2024 1 A2A	12,698,000	12,697,803	12,724,729
VOLKSWAGEN BANK GMBH REGS 01/26 4.25%	2,100,000	2,235,838	2,199,697
VOLKSWAGEN BANK GMBH REGS 05/31 4.625%	1,100,000	1,172,465	1,181,496
VOLKSWAGEN BANK GMBH REGS 07/26 2.5%	200,000	202,968	205,148
VOLKSWAGEN BANK GMBH REGS 12/25 1.25%	307,000	318,186	312,772
VOLKSWAGEN FIN SERV NV COMPANY GUAR REGS 09/27 6.5%	300,000	373,373	383,827
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 05/25 3.35%	4,000,000	3,968,794	3,977,016
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 06/25 3.95%	1,500,000	1,489,130	1,493,914
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 09/25 5.8%	12,248,000	12,320,596	12,322,658
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 09/25 VAR	15,000,000	15,033,165	15,029,675
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 11/28 6.2%	550,000	549,124	562,277
VOLKSWAGEN INTL FIN NV COMPANY GUAR REGS 03/26 VAR	200,000	213,712	207,539
VOLKSWAGEN INTL FIN NV COMPANY GUAR REGS 03/49 VAR	1,898,000	2,068,594	1,960,012
VOLKSWAGEN LEASING GMBH COMPANY GUAR REGS 06/26 1.5%	976,000	1,003,436	988,260
VOLOFIN FINANCE DESIGNATED ACT VFIN 2024 1A A	2,207,313	2,207,311	2,205,479
VOLVO TREASURY AB COMPANY GUAR REGS 05/26 VAR	100,000	108,596	103,578
VOYA CLO LTD INGIM 2013 1A A1AR 144A	93,100	91,813	93,143
VOYA CLO LTD VOYA 2017 2A A2AR 144A	1,000,000	976,275	1,001,793
VOYA CLO LTD VOYA 2019 3A BR 144A	250,000	244,298	250,610
VOYA CLO LTD VOYA 2019 4A BR 144A	750,000	750,000	752,256
VSTRONG AUTO RECEIVABLES TRUST VSTRG 2024 A A2 144A	305,922	305,907	306,942
VT TOPCO INC SR SECURED 144A 08/30 8.5%	1,563,000	1,565,815	1,655,490
VULCAN MATERIALS CO SR UNSECURED 12/29 4.95%	830,000	829,092	827,667
VULCAN MATERIALS CO SR UNSECURED 12/54 5.7%	750,000	745,825	731,161
VZ SECURED FINANCING BV SR SECURED 144A 01/32 5%	3,105,000	2,931,601	2,746,242
VZ SECURED FINANCING BV SR SECURED REGS 01/32 3.5	200,000	193,099	191,628
W + T OFFSHORE INC SECURED 144A 02/26 11.75	740,000	748,866	746,345
WACHOVIA STUDENT LOAN TRUST WSLT 2006 1 B 144A	320,534	306,194	292,827
WALGREENS BOOTS ALLIANCE SR UNSECURED 04/30 3.2%	111,000	93,551	89,195
WALGREENS BOOTS ALLIANCE SR UNSECURED 04/50 4.1%	615,000	440,486	380,201
WALGREENS BOOTS ALLIANCE SR UNSECURED 06/26 3.45	5,000	4,852	4,840
WALGREENS BOOTS ALLIANCE SR UNSECURED 08/29 8.125%	477,000	478,660	472,173

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
WALGREENS BOOTS ALLIANCE SR UNSECURED 11/44 4.8%	280,000	230,692	200,002
WALMART INC SR UNSECURED 06/25 3.55	1,275,000	1,264,673	1,269,294
WALMART INC SR UNSECURED 09/28 1.5%	10,000	9,063	8,982
WALMART INC SR UNSECURED 09/31 1.8%	110,000	93,767	91,813
WALT DISNEY COMPANY/THE COMPANY GUAR 01/26 1.75%	8,000,000	7,785,670	7,786,061
WALT DISNEY COMPANY/THE COMPANY GUAR 03/25 3.35%	9,058,000	9,021,467	9,032,655
WALT DISNEY COMPANY/THE COMPANY GUAR 11/37 6.65%	90,000	103,408	100,378
WAMU MORTGAGE PASS THROUGH CER WAMU 2004 AR10 X	529,862	5,267	5
WAMU MORTGAGE PASS THROUGH CER WAMU 2004 AR12 X	843,307	7,079	20
WAMU MORTGAGE PASS THROUGH CER WAMU 2004 AR8 X	397,273	(9,917)	308
WAMU MORTGAGE PASS THROUGH CER WAMU 2005 AR1 A2A1	320,845	317,485	312,390
WAMU MORTGAGE PASS THROUGH CER WAMU 2005 AR2 B1	1,757,135	482,896	1,532,510
WAMU MORTGAGE PASS THROUGH CER WAMU 2005 AR6 2A1A	124	99	124
WAMU MORTGAGE PASS THROUGH CER WAMU 2005 AR8 2AB2	827,111	825,629	790,711
WAMU MORTGAGE PASS THROUGH CER WAMU 2005 AR9 A1A	1,037,471	1,011,197	1,027,243
WAMU MORTGAGE PASS THROUGH CER WAMU 2006 AR4 1A1B	252,638	161,427	229,270
WAMU MORTGAGE PASS THROUGH CER WAMU 2007 HY6 2A1	392,772	302,559	333,505
WAND NEWCO 3 INC 2024 1ST LIEN TERM LOAN B due 01/30/31	979,914	982,755	982,922
WAND NEWCO 3 INC SR SECURED 144A 01/32 7.625	2,009,000	2,014,285	2,063,492
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/26 6.412%	10,000	10,008	10,004
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/27 3.755%	190,000	184,589	183,043
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/29 4.054%	910,000	897,575	846,947
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/32 4.279%	1,989,000	1,812,492	1,753,291
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/42 5.05%	24,620,000	20,063,653	19,830,932
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/52 5.141%	60,000	48,953	44,792
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/62 5.391%	4,384,000	3,826,966	3,236,972
WASH MULTIFAM ACQ INC SR SECURED 144A 04/26 5.75%	2,800,000	2,755,909	2,778,292
WASHINGTON MUTUAL MORTGAGE PAS WMALT 2006 AR2 A1A	506,692	335,829	403,390
WASHINGTON MUTUAL MORTGAGE PAS WMALT 2006 AR6 1A	398	219	328
WASTE CONNECTIONS INC SR UNSECURED 01/33 4.2%	416,000	390,393	386,736
WASTE CONNECTIONS INC SR UNSECURED 03/34 5	310,000	310,153	302,757
WASTE MANAGEMENT INC COMPANY GUAR 03/28 1.15%	3,175,000	2,903,107	2,840,166
WASTE MANAGEMENT INC COMPANY GUAR 03/31 1.5%	865,000	720,228	704,220
WASTE MANAGEMENT INC COMPANY GUAR 07/31 4.95%	829,000	855,653	829,960
WASTE MANAGEMENT INC COMPANY GUAR 11/25 0.75%	1,483,000	1,435,337	1,434,998
WASTE PRO USA INC SR UNSECURED 144A 02/26 5.5%	770,000	769,837	769,561
WATCO COS LLC/FINANCE CO SR UNSECURED 144A 08/32 7.125%	2,343,000	2,363,660	2,415,044
WATERBRDGE MDSTRM OPRTING LLC 2024 1ST LIEN TERM LOAN B due 06/27/29	2,832,830	2,808,660	2,817,476
WATERBRIDGE MIDSTREAM OPR LLC 2024 TERM LOAN B due 05/10/29	958,617	950,243	967,350
WCORE COMMERCIAL MORTGAGE TRUS WCORE 2024 CORE D 144A	965,000	962,600	965,904
WEATHERFORD INTERNATIONA COMPANY GUAR 144A 04/30 8.625%	2,450,000	2,394,912	2,529,233
WEEKLEY HOMES LLC/ FINAN SR UNSECURED 144A 09/28 4.875%	1,185,000	1,122,255	1,130,654
WELLS FARGO + COMPANY JR SUBORDINA 12/99 VAR	2,165,000	2,125,573	2,102,657
WELLS FARGO + COMPANY SR UNSECURED 01/29 4.15%	500,000	506,035	484,708
WELLS FARGO + COMPANY SR UNSECURED 01/30 VAR	1,025,000	1,025,000	1,027,277
WELLS FARGO + COMPANY SR UNSECURED 01/35 VAR	3,690,000	3,692,512	3,679,471
WELLS FARGO + COMPANY SR UNSECURED 02/25 3	41,800,000	41,667,224	41,703,876
WELLS FARGO + COMPANY SR UNSECURED 02/31 VAR	580,000	517,087	511,527
WELLS FARGO + COMPANY SR UNSECURED 03/33 VAR	3,910,000	3,925,263	3,428,465
WELLS FARGO + COMPANY SR UNSECURED 04/26 VAR	5,916,000	5,901,474	5,862,795
WELLS FARGO + COMPANY SR UNSECURED 04/28 VAR	1,375,000	1,375,000	1,397,800
WELLS FARGO + COMPANY SR UNSECURED 04/34 VAR	1,200,000	1,187,351	1,186,935
WELLS FARGO + COMPANY SR UNSECURED 04/51 VAR	463,000	428,278	411,571
WELLS FARGO + COMPANY SR UNSECURED 04/53 VAR	448,000	388,492	375,159
WELLS FARGO + COMPANY SR UNSECURED 05/28 VAR	2,945,000	2,917,898	2,854,098
WELLS FARGO + COMPANY SR UNSECURED 05/45 3.9%	72,000	60,649	55,950
WELLS FARGO + COMPANY SR UNSECURED 07/28 VAR	1,615,000	1,599,246	1,609,188
WELLS FARGO + COMPANY SR UNSECURED 07/33 VAR	5,512,000	5,403,501	5,322,464
WELLS FARGO + COMPANY SR UNSECURED 07/34 VAR	7,000,000	6,902,510	6,989,248
WELLS FARGO + COMPANY SR UNSECURED 08/26 VAR	740,000	740,462	738,516
WELLS FARGO + COMPANY SR UNSECURED 10/26 3%	2,125,000	2,123,440	2,060,362

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
WELLS FARGO + COMPANY SR UNSECURED 10/29 VAR	492,000	492,000	511,968
WELLS FARGO + COMPANY SR UNSECURED 10/30 VAR	1,247,000	1,162,348	1,125,311
WELLS FARGO + COMPANY SR UNSECURED 12/35 VAR	5,640,000	5,634,123	5,488,808
WELLS FARGO + COMPANY SR UNSECURED REGS 05/30 VAR	511,000	509,139	498,286
WELLS FARGO + COMPANY SR UNSECURED REGS 07/28 VAR	809,000	845,905	835,868
WELLS FARGO + COMPANY SR UNSECURED REGS 07/32 VAR	1,232,000	1,348,138	1,310,385
WELLS FARGO + COMPANY SR UNSECURED REGS 08/30 0.625%	295,000	269,657	264,607
WELLS FARGO + COMPANY SUBORDINATED 01/44 5.606%	840,000	841,825	804,513
WELLS FARGO + COMPANY SUBORDINATED 06/26 4.1%	2,025,000	2,025,800	2,003,244
WELLS FARGO + COMPANY SUBORDINATED 07/27 4.3%	4,325,000	4,374,741	4,264,097
WELLS FARGO + COMPANY SUBORDINATED 11/44 4.65%	450,000	398,703	378,186
WELLS FARGO BANK NA SR UNSECURED 08/25 5.55%	5,000,000	5,005,686	5,022,344
WELLS FARGO COMMERCIAL MORTGAG WFCM 2015 C27 A5	487,057	515,730	485,382
WELLS FARGO COMMERCIAL MORTGAG WFCM 2015 C27 XA	8,893,584	226,234	1,985
WELLS FARGO COMMERCIAL MORTGAG WFCM 2015 C28 XA	40,537,263	720,142	405
WELLS FARGO COMMERCIAL MORTGAG WFCM 2015 NX51 AS	1,310,000	1,295,433	1,297,808
WELLS FARGO COMMERCIAL MORTGAG WFCM 2015 NX52 A5	795,000	827,840	788,278
WELLS FARGO COMMERCIAL MORTGAG WFCM 2015 NX54 AS	467,000	439,444	460,308
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 C37 A4	2,822,151	2,673,017	2,759,336
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 LC25 A3	2,472,973	2,349,183	2,414,045
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 LC25 XA	3,802,682	265,187	45,673
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 NX56 C	1,062,000	945,055	990,324
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 NX56 XA	10,019,270	512,096	157,937
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 C39 B	835,000	767,100	778,364
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 C40 B	1,000,000	1,068,786	928,005
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 SMP C 144A	2,650,000	2,644,449	1,503,112
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 SMP D 144A	2,200,000	2,197,256	1,083,527
WELLS FARGO COMMERCIAL MORTGAG WFCM 2018 1745 A 144A	395,000	420,218	351,984
WELLS FARGO COMMERCIAL MORTGAG WFCM 2018 C44 A2	213,220	223,273	210,503
WELLS FARGO COMMERCIAL MORTGAG WFCM 2018 C46 A2	108,204	113,878	104,398
WELLS FARGO COMMERCIAL MORTGAG WFCM 2018 C46 A4	440,000	451,690	423,155
WELLS FARGO COMMERCIAL MORTGAG WFCM 2019 C50 B	455,000	506,655	419,676
WELLS FARGO COMMERCIAL MORTGAG WFCM 2019 C53 A4	2,225,000	1,988,971	2,029,081
WELLS FARGO COMMERCIAL MORTGAG WFCM 2021 FCMT C 144A	1,000,000	935,692	972,774
WELLS FARGO COMMERCIAL MORTGAG WFCM 2021 SAVE D 144A	800,000	801,496	800,145
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 1CHI A 144A	2,150,000	2,117,409	2,154,843
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 1CHI C 144A	845,000	832,169	846,980
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 1CHI D 144A	1,165,000	1,147,294	1,167,487
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 5C2 A3	280,000	288,381	288,441
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 BPRC C 144A	260,000	260,000	263,425
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 C63 A5	4,510,000	4,642,144	4,528,119
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 C63 AS	1,000,000	1,029,763	1,013,911
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 SVEN D 144A	1,240,000	1,270,554	1,233,626
WELLTOWER OP LLC COMPANY GUAR 01/29 2.05%	1,570,000	1,517,304	1,403,981
WESCO DISTRIBUTION INC COMPANY GUAR 144A 03/29 6.375	965,000	964,972	977,897
WESCO DISTRIBUTION INC COMPANY GUAR 144A 03/32 6.625	2,678,000	2,699,637	2,721,882
WESCO DISTRIBUTION INC COMPANY GUAR 144A 06/28 7.25%	414,000	418,340	420,961
WESTERN DIGITAL CORP COMPANY GUAR 02/26 4.75%	110,000	109,334	108,940
WESTERN DIGITAL CORP SR SECURED 02/29 2.85%	310,000	277,942	275,959
WESTERN MIDSTREAM OPERAT SR UNSECURED 01/29 6.35%	660,000	658,945	682,504
WESTERN MIDSTREAM OPERAT SR UNSECURED 02/30 4.05%	1,370,000	1,300,788	1,284,996
WESTERN MIDSTREAM OPERAT SR UNSECURED 02/50 5.25%	175,000	160,671	149,834
WESTERN MIDSTREAM OPERAT SR UNSECURED 03/28 4.5%	100,000	98,671	97,896
WESTERN MIDSTREAM OPERAT SR UNSECURED 03/48 5.3%	2,160,000	1,992,732	1,836,705
WESTERN MIDSTREAM OPERAT SR UNSECURED 04/44 5.45%	400,000	354,485	356,121
WESTERN MIDSTREAM OPERAT SR UNSECURED 07/26 4.65%	3,795,000	3,743,481	3,775,063
WESTERN MIDSTREAM OPERAT SR UNSECURED 08/48 5.5%	500,000	460,185	434,664
WESTJET LOYALTY LP TERM LOAN B due 02/14/31	471,437	467,292	472,871
WESTLAKE AUTOMOBILE RECEIVABLE WLAKE 2024 3A A2A 144A	2,800,000	2,799,821	2,804,147
WESTROCK MWV LLC COMPANY GUAR 02/31 7.95%	500,000	559,226	563,632
WEYERHAEUSER CO SR UNSECURED 04/30 4%	2,600,000	2,858,125	2,463,521

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
WEYERHAEUSER CO SR UNSECURED 12/33 6.875%	700,000	893,056	764,435
WF RBS COMMERCIAL MORTGAGE TRU WFRBS 2013 C14 AS	59,831	62,013	57,888
WF RBS COMMERCIAL MORTGAGE TRU WFRBS 2014 C21 XA	2,022,435	72,144	4,004
WHATABRANDS LLC 2024 TERM LOAN B due 08/03/28	971,298	972,153	972,231
WHITE CAP BUYER LLC 2024 TERM LOAN B due 10/19/29	2,716,052	2,728,877	2,718,307
WHITE CAP BUYER LLC SR UNSECURED 144A 10/28 6.875%	178,000	172,656	176,048
WHITEBOX CLO I LTD WBOX 2019 1A D1RR 144A	1,350,000	1,350,000	1,355,983
WHITEBOX CLO I LTD WBOX 2020 2A A1R2 144A	1,250,000	1,250,000	1,253,737
WILDFIRE INTERMEDIATE HO SR UNSECURED 144A 10/29 7.5%	450,000	443,134	432,962
WILLIAM MORRIS ENDEAVOR ENTMT TERM LOAN B 1 due 05/18/25	156,790	155,808	156,986
WILLIAMS COMPANIES INC SR UNSECURED 01/31 7.5%	409,000	457,383	452,135
WILLIAMS COMPANIES INC SR UNSECURED 03/32 8.75%	354,000	427,148	418,094
WILLIAMS COMPANIES INC SR UNSECURED 03/33 5.65%	975,000	974,112	983,894
WILLIAMS COMPANIES INC SR UNSECURED 03/34 5.15	1,410,000	1,393,992	1,370,968
WILLIAMS COMPANIES INC SR UNSECURED 03/48 4.85%	490,000	440,499	417,826
WILLIAMS COMPANIES INC SR UNSECURED 08/28 5.3%	2,955,000	2,992,910	2,982,971
WILLIAMS COS INC SR UNSECURED 06/31 7.75%	334,000	379,629	372,290
WILLIAMS SCOTSMAN INC SR SECURED 144A 06/29 6.625	826,000	828,785	835,830
WILLIAMS SCOTSMAN INC SR SECURED 144A 08/28 4.625%	235,000	226,777	224,380
WILLIAMS SCOTSMAN INC SR SECURED 144A 10/31 7.375%	1,260,000	1,255,499	1,296,496
WILSONART LLC 2024 TERM LOAN B due 08/05/31	498,750	491,694	499,314
WILSONART LLC SR UNSECURED 144A 08/32 11%	375,000	375,000	367,566
WINDSOR HOLDINGS III LLC 2024 USD 1ST LIEN TERM LOAN B due 08/01/30	1,037,978	1,037,802	1,048,919
WINDSOR HOLDINGS III LLC SR SECURED 144A 06/30 8.5%	1,447,000	1,459,582	1,522,571
WINDSTREAM SERVICES/ESCR SR SECURED 144A 10/31 8.25%	3,160,000	3,208,222	3,263,720
WINNEBAGO INDUSTRIES SR UNSECURED 144A 01/30 3.25%	613,000	591,749	558,443
WINTERSHALL DEA FINANCE COMPANY GUAR REGS 09/25 0.84%	1,000,000	1,061,820	1,018,911
WINTERSHALL DEA FINANCE COMPANY GUAR REGS 09/28 1.332%	1,500,000	1,438,738	1,439,501
WINTERSHALL DEA FINANCE COMPANY GUAR REGS 10/32 4.357%	727,000	796,447	757,606
WIRECO WORLDGROUP INC 2023 TERM LOAN B due 11/13/28	701,637	702,329	652,522
WMG ACQUISITION CORP SR SECURED 144A 02/31 3%	1,400,000	1,254,598	1,219,090
WMG ACQUISITION CORP SR SECURED 144A 07/30 3.875%	87,000	88,044	79,274
WMRK COMMERCIAL MORTGAGE TRUST WMRK 2022 WMRK A 144A	515,000	512,707	519,976
WOLVERINE WORLD WIDE COMPANY GUAR 144A 08/29 4%	271,000	258,850	237,971
WOODSIDE FINANCE LTD COMPANY GUAR 09/54 5.7%	1,500,000	1,494,681	1,401,464
WOODWARD CAPITAL MANAGEMENT RCKT 2021 1 A1 144A	463,255	391,894	369,097
WOODWARD CAPITAL MANAGEMENT RCKT 2024 CES2 A1A 144A	1,348,663	1,348,495	1,349,058
WOODWARD CAPITAL MANAGEMENT RCKT 2024 CESS A3 144A	1,260,000	1,259,877	1,269,137
WORKDAY INC SR UNSECURED 04/29 3.7%	25,000	24,999	23,775
WORKDAY INC SR UNSECURED 04/32 3.8%	325,000	324,510	295,930
WORLD OMNI AUTO RECEIVABLES TR WOART 2022 D A3	903,306	908,940	908,707
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 B A2A	484,890	484,362	485,115
WORLDLINE SA/France SR UNSECURED REGS 09/28 4.125%	1,400,000	1,526,445	1,429,715
WORLDLINE SA/France SR UNSECURED REGS 11/29 5.25%	600,000	627,337	633,051
WP CAREY INC SR UNSECURED 02/25 4%	315,000	314,882	314,594
WP CAREY INC SR UNSECURED 02/31 2.4%	400,000	397,765	340,036
WR GRACE CO 2021 TERM LOAN B due 09/22/28	466,800	468,391	470,534
WR GRACE HOLDING LLC SR SECURED 144A 03/31 7.375%	220,000	223,213	225,094
WR GRACE HOLDING LLC SR SECURED 144A 06/27 4.875%	1,541,000	1,527,301	1,493,317
WR GRACE HOLDING LLC SR UNSECURED 144A 08/29 5.625%	2,068,000	1,991,474	1,901,904
WRANGLER HOLDCO CORP COMPANY GUAR 144A 04/32 6.625	530,000	531,515	539,540
WRKCO INC COMPANY GUAR 06/28 3.9%	715,000	732,856	690,035
WYNDHAM HOTELS + RESORTS COMPANY GUAR 144A 08/28 4.375%	1,685,000	1,673,122	1,601,863
WYNN LAS VEGAS LLC/CORP COMPANY GUAR 144A 05/27 5.25%	1,600,000	1,618,439	1,582,708
WYNN MACAU LTD SR UNSECURED 144A 01/26 5.5%	600,000	598,062	594,038
WYNN RESORTS FINANCE LLC COMPANY GUAR 144A 02/31 7.125%	1,000,000	1,007,471	1,041,410
WYNN RESORTS FINANCE LLC COMPANY GUAR 144A 03/33 6.25%	470,000	470,000	461,768
WYNN RESORTS FINANCE LLC COMPANY GUAR 144A 10/29 5.125%	485,000	464,594	464,440
XCEL ENERGY INC SR UNSECURED 12/26 3.35%	1,975,000	1,920,054	1,925,508
XEROX HOLDINGS CORP COMPANY GUAR 144A 08/28 5.5	449,000	387,441	385,141
XHR LP COMPANY GUAR 144A 05/30 6.625%	121,000	121,000	121,397

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **Retirement Assets**

Issuer Name	Par Value	Book Value	Market Value
XHR LP SR SECURED 144A 06/29 4.875%	565,000	553,411	533,025
XPLORNET COMMUNICATIONS INC 2024 TAKEBACK TERM LOAN due 10/24/31	212,254	162,296	171,926
XPO INC COMPANY GUAR 144A 02/32 7.125%	815,000	819,797	833,984
XPO INC COMPANY GUAR 144A 06/31 7.125%	75,000	75,000	76,909
XPO INC SR SECURED 144A 06/28 6.25	1,146,000	1,146,000	1,153,010
YAMANA GOLD INC COMPANY GUAR 08/31 2.63%	1,000,000	978,719	841,721
YPF SOCIEDAD ANONIMA SR SECURED 144A 01/31 9.5	152,000	152,679	162,573
YUM BRANDS INC SR UNSECURED 01/32 4.625%	25,000	25,000	23,101
YUM BRANDS INC SR UNSECURED 03/31 3.625%	811,000	817,665	716,970
YUM BRANDS INC SR UNSECURED 04/32 5.375%	173,000	170,692	167,544
YUM BRANDS INC SR UNSECURED 144A 01/30 4.75%	234,000	245,095	223,782
ZAIS MATRIX CDO I ZAIS 2020 16A A1R 144A	9,000,000	9,000,000	9,025,025
ZAYO GROUP HOLDINGS INC 2022 USD INCR TL B due 03/09/27	1,113,513	1,100,739	1,043,083
ZAYO GROUP HOLDINGS INC SR SECURED 144A 03/27 4%	3,219,000	2,896,070	2,968,752
ZAYO GROUP HOLDINGS INC SR UNSECURED 144A 03/28 6.125%	287,000	287,714	243,948
ZAYO GROUP HOLDINGS INC USD TERM LOAN due 03/09/27	1,288,761	1,171,481	1,204,451
ZEBRA TECHNOLOGIES CORP COMPANY GUAR 144A 06/32 6.5	2,085,000	2,085,824	2,115,037
ZEGONA COMMUNICATIONS PLC USD TERM LOAN due 07/17/29	350,000	346,707	351,750
ZEGONA FINANCE PLC SR SECURED 144A 07/29 8.625%	865,000	868,066	916,929
ZEGONA FINANCE PLC SR SECURED REGS 07/29 6.75%	215,000	240,500	236,903
ZF FINANCE GMBH COMPANY GUAR REGS 08/26 5.75	200,000	224,025	210,724
ZF FINANCE GMBH COMPANY GUAR REGS 09/28 3.75%	2,900,000	3,000,347	2,849,049
ZF NA CAPITAL COMPANY GUAR 144A 04/25 4.75%	264,000	261,832	262,668
ZF NA CAPITAL COMPANY GUAR 144A 04/28 6.875%	490,000	489,535	488,667
ZF NA CAPITAL COMPANY GUAR 144A 04/30 6.75	295,000	301,760	283,771
ZF NA CAPITAL COMPANY GUAR 144A 04/30 7.125%	920,000	925,107	902,890
ZF NA CAPITAL COMPANY GUAR 144A 04/32 6.875	1,414,000	1,420,979	1,340,815
ZI TECH LLC/ZI FIN CORP COMPANY GUAR 144A 02/29 3.875%	1,566,000	1,414,651	1,423,352
ZIFF DAVIS INC COMPANY GUAR 144A 10/30 4.625%	374,000	372,876	342,396
ZIGGO BOND CO BV COMPANY GUAR 144A 02/30 5.125%	2,638,000	2,533,363	2,376,858
ZIGGO BOND CO BV SR UNSECURED 144A 01/27 6%	20,000	20,007	19,838
ZIGGO BOND CO BV SR UNSECURED REGS 11/32 6.125%	173,000	191,624	180,037
ZIGGO BV SR SECURED 144A 01/30 4.875%	978,000	928,940	898,578
ZIGGO BV SR SECURED REGS 01/30 2.875%	200,000	188,876	193,897
ZIONS BANCORP NA SUBORDINATED 11/35 VAR	660,000	670,257	664,516
ZIPLY FIBER ISSUER, LLC ZIPLY 2024 1A A2 144A	2,060,000	2,095,004	2,106,299
ZIPLY FIBER ISSUER, LLC ZIPLY 2024 1A B 144A	971,000	970,951	996,160
ZIPRECRUITER INC SR UNSECURED 144A 01/30 5%	1,180,000	1,076,474	1,063,024
ZOETIS INC SR UNSECURED 09/47 3.95%	1,300,000	1,552,355	1,011,217

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities		Retirement Assets	
Issuer Name	Shares	Book Value	Market Value
Total Cash Equivalent Securities	4,148,789,749	4,134,728,586	4,133,689,043
ANTALIS S.A due 01/27/25	25,000,000	24,918,750	24,918,750
ANTALIS S.A due 02/04/25	30,000,000	29,865,983	29,865,983
AUST + NEW ZEA due 01/30/25	7,700,000	7,670,537	7,670,537
BANC OF AMERICA SEURITIES LLC TBA CASH COLLATERAL USD	1,880,000	1,880,000	1,880,000
BANK OF AMERICA 5.44% due 01/02/25	25,000,000	25,000,000	25,000,000
BANK OF AMERICA N/A due 06/16/25	8,500,000	8,500,000	8,500,000
BANK OF MONTREAL 06/25 VAR	7,750,000	7,750,000	7,750,000
BARCLAYS BK PLC / BARCLAYS US due 01/17/25	30,000,000	29,930,400	29,930,400
BARCLAYS BK PLC / BARCLAYS US due 04/03/25	30,000,000	29,661,900	29,661,900
BEDFORD ROW FDG CORP due 04/01/25	30,000,000	30,000,000	30,000,000
BNK OF NOVA SCOTIA NY TRI A R TRI A REPO due 01/02/25	105,000,000	105,000,000	105,000,000
BNP PARIBAS NY BRANCH 5.20% due 02/10/25	7,500,000	7,500,000	7,500,000
BRIGANTINE FDG 01/25 ZCP due 01/30/25	20,000,000	19,923,150	19,923,150
BRITANNIA FDG CO due 01/14/25	8,500,000	8,484,561	8,484,561
BRITANNIA FDG CO due 01/24/25	10,000,000	9,970,228	9,970,228
CAN AST + CAN LTD JT due 04/29/25	35,000,000	34,478,014	34,478,014
CCBOSHUS6 BANK OF AMERICA CCPC CCBOSHUS6 BANK OF AMERICA CCPC	1,530,000	1,530,000	1,530,000
CCBOSZUS6 BOA CCPC COC CCBOSZUS6 BOA CCPC COC	3,477,000	3,477,000	3,477,000
CCBRCIUS4 SWBC BRC SWAP CASH COLLATERAL USD	(300,000)	(300,000)	(300,000)
CCSCXIUS6 STANDARD CHARTER BOC CCSCXIUS6 STANDARD CHARTER BOC	(480,000)	(480,000)	(480,000)
CCWFSTUS6 COC CASH COLL SOCIETE GEN	280,000	280,000	280,000
CITIBANK NA N Y BRH INSTL due 06/23/25	10,375,000	10,375,000	10,375,000
CITIBANK NA N Y BRH INSTL due 09/19/25	12,500,000	12,500,000	12,500,000
CITIGROUP TRI PARTY C due 01/02/24	69,139,000	69,139,000	69,139,000
CMMNWLTH BNK OF AUS 5.57% due 02/26/25	15,000,000	15,000,000	15,000,000
CMMNWLTH BNK OF AUS due 04/15/25	20,000,000	20,000,531	20,000,531
COLLATERALIZED CP FLEX due 06/09/25	20,000,000	20,000,000	20,000,000
COLLATERALIZED CP FLEX due 07/07/25	30,000,000	30,000,000	30,000,000
COLUMBIA FDG CO due 04/24/25	35,000,000	34,497,935	34,497,935
DEUTSCHE TRI PARTY A due 01/02/24	170,000,000	170,000,000	170,000,000
DNB NOR BANK ASA due 05/30/25	11,323,000	11,080,241	11,080,241
FED HOME LN DISCOUNT NT due 01/02/25	26,100,000	26,097,028	26,097,028
FED HOME LN DISCOUNT NT due 01/06/25	14,000,000	13,990,324	13,990,177
FED HOME LN DISCOUNT NT due 01/10/25	15,000,000	14,981,276	14,982,458
FED HOME LN DISCOUNT NT due 02/14/25	5,989,000	5,952,930	5,957,371
FED HOME LN DISCOUNT NT due 03/28/25	35,000,000	34,645,489	34,645,489
FORWARDS HSBC BOC CASH COLLATERAL	(120,000)	(120,000)	(120,000)
FORWARDS HSBC COCLLATERAL TBA CASH COLLATERAL	90,000	90,000	90,000
FUTURES GOLDMAN COC CASH COLLATERAL	2,562,000	2,562,000	2,562,000
GOLDMAN SACS TRI PARTY A due 01/02/24	200,000,000	200,000,000	200,000,000
HSBC BANK PLC 5.67% due 02/07/25	4,253,000	4,253,000	4,253,000
HSBC TRI PARTY A due 01/02/24	150,000,000	150,000,000	150,000,000
HSBC USA INC due 08/06/25	13,500,000	13,112,655	13,112,655
HSBC USA INC due 08/19/25	1,997,000	1,939,203	1,939,203
HSBC USA INC due 11/03/25	2,981,000	2,865,710	2,865,710
ING US FUNDING LLC due 03/21/25	15,380,000	15,380,000	15,380,000
ING US FUNDING LLC due 05/22/25	9,690,000	9,689,682	9,689,682
ING US FUNDING LLC due 08/19/25	15,000,000	15,000,000	15,000,000
IONIC FUNDING LLC 01/25 ZCP due 01/08/25	30,000,000	29,972,117	29,972,117
JP MORGAN SEC INC TBA CASH COLLATERAL	913,000	913,000	913,000
JP MORGAN SEC LLC TPR C due 01/02/24	150,000,000	150,000,000	150,000,000
LEGACY CAPITAL CO LLC 02/25 VAR	25,000,000	25,000,000	25,000,000
LIBERTY FUNDING LLC due 05/05/25	30,000,000	29,533,967	29,533,967
LLOYDS BANK PLC 10/25 ZCP due 10/22/25	21,945,000	21,171,676	21,171,676
LONGSHIP FUNDING DAC due 02/18/25	20,000,000	19,876,533	19,876,533
MACQUARIE BANK LIMITED due 03/28/25	25,000,000	25,000,000	25,000,000
MACQUARIE BANK LIMITED due 04/02/25	25,000,000	25,000,000	25,000,000
MERRILL LYNCH TRI PARTY A REPO due 01/02/25	182,566,000	182,566,000	182,566,000
MINNESOTA ST CERTIFICATE OF DEPOSIT 4.46% due 04/16/25	15,750,000	15,750,000	15,750,000
MINNESOTA ST CERTIFICATE OF DEPOSIT 4.67% due 01/16/25	25,000,000	25,000,000	25,000,000

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
MINNESOTA ST CERTIFICATE OF DEPOSIT 5.39% due 01/16/25	20,000,000	20,000,000	20,000,000
MIZUHO BK LTD NEW YORK BRH INS 01/25 VAR	30,000,000	30,000,000	30,000,000
MORGAN STANLEY TBA CASH COLLATERAL	1,878,000	1,878,000	1,878,000
MUFG BK LTD due 02/06/25	25,000,000	25,000,000	25,000,000
MUFG SECS CDA LTD due 12/12/25	12,051,000	11,545,159	11,545,159
NATIONAL BK OF CANAD due 05/28/25	11,327,000	11,084,177	11,084,177
NATL AUSTRALIA BK LT 5.62% due 03/21/25	20,000,000	20,000,000	20,000,000
NATL AUSTRALIA BK LT due 05/21/25	20,000,000	19,650,000	19,650,000
NATL AUSTRALIA BK LT due 06/20/25	15,000,000	15,000,000	15,000,000
NIEUW AMSTERDAM RECV due 01/10/25	32,000,000	31,958,240	31,958,240
NORDEA BANK ABP 02/25 VAR	30,000,000	30,000,000	30,000,000
NORDEA BANK ABP 06/25 VAR	20,000,000	20,000,000	20,000,000
NORDEA BK AB PUBL due 06/13/25	20,000,000	20,000,000	20,000,000
PARADELLE FDG LLC due 03/19/25	25,000,000	24,718,736	24,718,736
RIDGEFIELD FUNDING CO due 04/09/25	11,000,000	11,000,000	11,000,000
ROYAL BANK OF CANADA due 04/10/25	5,000,000	5,000,000	5,000,000
ROYAL BANK OF CANADA due 11/06/25	25,000,000	24,066,563	24,066,563
RYL BNK OF SCOT TRI A due 01/02/24	90,000,000	90,000,000	90,000,000
STARBIRD FDG. CORP due 06/06/25	15,000,000	14,708,150	14,708,150
STATE STREET BANK + TRUST CO SHORT TERM INV FUND	910,299,491	910,299,491	910,299,491
SUNAC SERVICES HOLDINGS LTD COMMON STOCK HKD.01	195,882	1,165,020	41,860
SVENSKA HANDELSBANKEN AB 08/25 FIXED 4.585 due 08/19/25	20,000,000	19,999,567	19,999,567
SWAP HSBC BOC SWAP CASH COLLATERAL USD	(1,530,000)	(1,530,000)	(1,530,000)
SWAP HSBC COC SWAP CASH COLLATERAL USD	140,000	140,000	140,000
SWAP JP MORGAN BOC SWAP CASH COLLATERAL USD	310,000	310,000	310,000
SWAP JP MORGAN COC SWAP CASH COLLATERAL USD	(40,000)	(40,000)	(40,000)
SWAP MORGAN STANLEY COC SWAP CASH COLLATERAL USD	170,000	170,000	170,000
TBA WESTERN/LEHMAN RECEIVABLE LBI LEHESC R(LEH ESCROW REC)	748,477	-	3,742
TORONTO DOMINION BK 5.60% due 02/21/25	14,500,000	14,500,000	14,500,000
TOYOTA MOTOR CREDIT due 06/23/25	30,000,000	30,000,000	30,000,000
UNITED OVERSEAS BK LTD due 02/18/25	30,000,000	29,998,734	29,998,734
UNITED OVERSEAS BK LTD due 03/12/25	25,000,000	25,000,000	25,000,000
US TREASURY BILL due 01/09/25	700,000	699,348	699,427
US TREASURY BILL due 01/14/25	150,000,000	149,764,430	149,764,430
US TREASURY BILL due 01/21/25	18,815,100	18,769,486	18,772,965
US TREASURY BILL due 01/23/25	85,000,000	84,749,780	84,760,834
US TREASURY BILL due 02/11/25	50,000,000	49,757,417	49,757,417
US TREASURY BILL due 02/13/25	50,000,000	49,712,736	49,712,736
US TREASURY BILL due 02/20/25	83,000,000	82,448,359	82,481,096
US TREASURY BILL due 02/25/25	5,900,000	5,862,106	5,862,106
US TREASURY BILL due 02/27/25	30,000,000	29,790,116	29,790,116
US TREASURY BILL due 03/13/25	24,940,000	24,717,018	24,717,018
US TREASURY BILL due 03/20/25	2,940,000	2,912,689	2,912,689
US TREASURY BILL due 03/27/25	22,060,000	21,837,142	21,837,142
US TREASURY BILL due 04/01/25	10,275,000	10,163,979	10,163,979
US TREASURY BILL due 04/03/25	35,090,000	34,710,911	34,710,911
US TREASURY BILL due 04/10/25	35,040,000	34,622,881	34,622,881
US TREASURY BILL due 05/15/25	41,684,400	40,989,423	41,022,839
US TREASURY BILL due 05/22/25	35,000,000	34,408,853	34,408,853
US TREASURY BILL due 05/29/25	29,990,000	29,456,061	29,456,061
US TREASURY BILL due 06/05/25	35,010,000	34,361,259	34,361,259
US TREASURY BILL due 06/20/25	60,000,000	58,819,440	58,819,440
US TREASURY BILL due 10/02/25	5,703,400	5,539,313	5,529,096
US TREASURY BILL due 11/28/25	2,322,000	2,233,730	2,237,582
VERTO CAP I 144A DISC COML PAP due 02/07/25	15,000,000	14,927,079	14,927,079
VICTORY RECEIVABLES due 01/02/25	20,000,000	19,997,372	19,997,372

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
Total Underlying Fixed Income Securities	1,426,739,185	1,419,763,830	1,385,713,818
ABAY LEASING 2014 LLC US GOVT GUAR 11/26 2.654%	264,624	264,624	258,022
ADVOCATE HEALTH CORP UNSECURED 06/30 2.211%	1,250,000	1,251,193	1,088,353
AGILENT TECHNOLOGIES INC SR UNSECURED 06/30 2.1%	450,000	443,445	387,471
AGILENT TECHNOLOGIES INC SR UNSECURED 09/27 4.2%	600,000	599,276	592,761
AGILENT TECHNOLOGIES INC SR UNSECURED 09/29 2.75%	490,000	502,015	445,098
AGREE LP COMPANY GUAR 06/28 2	450,000	402,265	407,573
AGREE LP COMPANY GUAR 10/30 2.9%	1,100,000	955,434	974,629
ALABAMA FEDERAL AID HIGHWAY FI ALSTRN 09/29 FIXED 1.856%	1,000,000	917,245	886,634
ALABAMA FEDERAL AID HIGHWAY FI ALSTRN 09/32 FIXED 2.156%	750,000	649,280	622,266
ALBEMARLE CORP SR UNSECURED 06/27 4.65%	600,000	599,419	594,925
ALBEMARLE CORP SR UNSECURED 06/32 5.05%	420,000	419,047	399,762
ALEXANDRIA REAL ESTATE E COMPANY GUAR 01/26 4.3%	190,000	187,119	189,042
ALEXANDRIA REAL ESTATE E COMPANY GUAR 01/27 3.95	400,000	390,103	393,197
ALEXANDRIA REAL ESTATE E COMPANY GUAR 01/28 3.95%	250,000	246,985	243,003
ALLIANT ENERGY FINANCE COMPANY GUAR 144A 06/27 5.4	600,000	599,719	603,926
ALLY AUTO RECEIVABLES TRUST ALLYA 2024 1 A3	1,305,000	1,304,841	1,314,208
ALLY AUTO RECEIVABLES TRUST ALLYA 2024 2 A3	830,000	829,919	824,148
AMEREN CORP SR UNSECURED 12/26 5.7%	360,000	359,703	365,838
AMEREN ILLINOIS CO 1ST MORTGAGE 11/30 1.55%	2,030,000	1,600,883	1,683,137
AMEREN MISSOURI SEC FU I SR SECURED 10/41 4.85%	1,080,000	1,079,880	1,056,845
AMERICAN EXPRESS CO SR UNSECURED 02/28 VAR	640,000	640,000	643,728
AMERICAN EXPRESS CO SR UNSECURED 04/30 VAR	975,000	975,000	993,125
AMERICAN EXPRESS CO SR UNSECURED 07/27 VAR	680,000	680,000	687,492
AMERICAN EXPRESS CO SR UNSECURED 07/28 VAR	590,000	592,530	593,026
AMERICAN EXPRESS CO SR UNSECURED 07/29 VAR	280,000	280,000	283,124
AMERICAN EXPRESS CO SR UNSECURED 10/26 VAR	140,000	140,000	141,733
AMERICAN EXPRESS CO SR UNSECURED 10/31 VAR	280,000	280,040	299,375
AMERICAN EXPRESS CREDIT ACCOUN AMXCA 2023 1 A	2,840,000	2,839,824	2,854,972
AMERICAN EXPRESS CREDIT ACCOUN AMXCA 2024 1 A	2,810,000	2,809,500	2,852,695
AMERICAN EXPRESS CREDIT ACCOUN AMXCA 2024 3 A	1,840,000	1,839,923	1,843,622
AMERICAN HONDA FINANCE SR UNSECURED 03/29 4.9	620,000	619,767	617,833
AMERICAN HONDA FINANCE SR UNSECURED 07/27 4.9%	470,000	469,485	471,621
AMERICAN HONDA FINANCE SR UNSECURED 09/29 4.4%	630,000	629,289	612,528
AMERICAN HONDA FINANCE SR UNSECURED 10/27 4.45%	210,000	209,864	208,472
AMERICREDIT AUTOMOBILE RECEIVA AMCAR 2023 1 A3	1,410,000	1,409,931	1,420,439
AMERICREDIT AUTOMOBILE RECEIVA AMCAR 2024 1 A3	365,000	364,970	368,852
AMGEN INC SR UNSECURED 03/28 5.15%	780,000	779,101	785,613
AMPHENOL CORP SR UNSECURED 04/29 5.05	375,000	374,675	377,332
AMPHENOL CORP SR UNSECURED 09/31 2.2%	660,000	658,323	553,133
ANGLO AMERICAN CAPITAL COMPANY GUAR 144A 03/28 2.25%	200,000	199,453	182,923
ANGLO AMERICAN CAPITAL COMPANY GUAR 144A 04/27 4.75%	330,000	326,845	327,248
ANGLO AMERICAN CAPITAL COMPANY GUAR 144A 05/25 4.875%	860,000	867,300	859,017
ANGLO AMERICAN CAPITAL COMPANY GUAR 144A 09/30 2.625%	540,000	537,060	468,239
AON CORP COMPANY GUAR 05/29 3.75%	500,000	491,421	474,745
AON NORTH AMERICA INC COMPANY GUAR 03/29 5.15	350,000	349,587	351,123
ASCENSION HEALTH SR UNSECURED 11/29 2.532%	2,000,000	2,022,773	1,797,156
ASTRAZENECA FINANCE LLC COMPANY GUAR 02/29 4.85	600,000	599,467	601,243
AT+T INC SR UNSECURED 02/28 1.65%	2,030,000	1,906,505	1,845,832
AT+T INC SR UNSECURED 02/32 2.25%	460,000	459,462	380,450
AT+T INC SR UNSECURED 03/26 1.7%	910,000	909,615	877,153
AT+T INC SR UNSECURED 05/35 4.5%	800,000	841,096	739,997
AT+T INC SR UNSECURED 06/27 2.3%	250,000	249,866	235,921
AT+T INC SR UNSECURED 12/33 2.55%	2,199,000	2,203,416	1,772,464
AUTOZONE INC SR UNSECURED 07/29 5.1	740,000	739,283	744,230
BAE SYSTEMS HOLDINGS INC COMPANY GUAR 144A 12/25 3.85%	1,580,000	1,604,551	1,565,391
BAE SYSTEMS PLC SR UNSECURED 144A 03/27 5	730,000	727,737	733,183
BAE SYSTEMS PLC SR UNSECURED 144A 03/29 5.125	230,000	229,379	230,472
BAE SYSTEMS PLC SR UNSECURED 144A 04/30 3.4	1,410,000	1,292,076	1,300,400
BANC OF AMERICA COMMERCIAL MOR BACM 2017 BNK3 A3	1,390,335	1,377,019	1,349,983
BANK BANK 2017 BNK5 A4	1,936,198	1,868,887	1,859,800

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
BANK BANK 2017 BNK6 A5	1,410,000	1,329,446	1,359,276
BANK BANK 2018 BN11 A2	2,363,139	2,344,714	2,275,176
BANK BANK 2018 BN12 A4	1,290,000	1,341,677	1,256,263
BANK OF AMERICA AUTO TRUST BAAT 2023 2A A3 144A	2,525,000	2,524,965	2,562,379
BANK OF AMERICA CORP SR UNSECURED 02/28 VAR	1,550,000	1,524,165	1,477,955
BANK OF AMERICA CORP SR UNSECURED 04/26 VAR	300,000	300,000	298,877
BANK OF AMERICA CORP SR UNSECURED 04/28 VAR	300,000	300,000	296,785
BANK OF AMERICA CORP SR UNSECURED 04/32 VAR	900,000	802,661	773,963
BANK OF AMERICA CORP SR UNSECURED 04/33 VAR	340,000	340,000	323,281
BANK OF AMERICA CORP SR UNSECURED 07/27 VAR	2,990,000	2,999,279	2,850,701
BANK OF AMERICA CORP SR UNSECURED 07/28 VAR	1,510,000	1,512,142	1,501,012
BANK OF AMERICA CORP SR UNSECURED 07/29 VAR	2,100,000	2,100,000	2,046,280
BANK OF AMERICA CORP SR UNSECURED 09/27 VAR	630,000	630,000	641,349
BANK OF AMERICA CORP SR UNSECURED 10/26 VAR	1,260,000	1,260,000	1,224,101
BANK OF AMERICA CORP SR UNSECURED 12/28 VAR	930,000	897,689	891,313
BANK OF AMERICA CREDIT CARD TR BACCT 2023 A1 A1	2,035,000	2,034,678	2,043,902
BANK OF AMERICA CREDIT CARD TR BACCT 2024 A1 A	3,490,000	3,489,825	3,523,390
BANK OF MONTREAL SR UNSECURED 02/28 5.203%	170,000	169,999	171,308
BANK OF MONTREAL SR UNSECURED 09/26 1.25%	25,000	24,985	23,641
BANK OF MONTREAL SR UNSECURED 09/28 5.717%	400,000	414,650	410,126
BANK OF MONTREAL SR UNSECURED 09/30 VAR	800,000	800,000	784,637
BANK OF MONTREAL SR UNSECURED 12/26 5.266%	460,000	459,950	465,303
BANK OF NOVA SCOTIA SR UNSECURED 02/30 4.85%	440,000	439,767	436,790
BANK OF NOVA SCOTIA SR UNSECURED 09/28 VAR	2,030,000	2,030,000	2,009,244
BANK OF NY MELLON CORP SR UNSECURED 02/29 VAR	1,470,000	1,470,000	1,458,681
BANK OF NY MELLON CORP SR UNSECURED 03/30 VAR	395,000	395,000	395,500
BANK OF NY MELLON CORP SR UNSECURED 06/28 VAR	920,000	897,629	903,174
BANK OF NY MELLON CORP SR UNSECURED 07/26 VAR	210,000	210,000	209,435
BANK OF NY MELLON CORP SR UNSECURED 07/28 VAR	560,000	561,883	562,201
BAXTER INTERNATIONAL INC SR UNSECURED 02/27 1.915%	1,460,000	1,459,999	1,376,081
BAXTER INTERNATIONAL INC SR UNSECURED 04/30 3.95%	270,000	269,436	255,118
BAYER US FINANCE II LLC COMPANY GUAR 144A 12/25 4.25%	950,000	949,740	943,608
BAYER US FINANCE II LLC COMPANY GUAR 144A 12/28 4.375%	1,210,000	1,206,191	1,163,520
BAYLOR SCOTT + WHITE HOL UNSECURED 11/25 3.095%	1,500,000	1,518,472	1,475,786
BCCY0VMU7 FWD SETTLE AGY CMBS	1,685,000	1,668,677	1,668,677
BCCY0WUJ1 FWD SETTLE AGY CMBS	1,490,000	1,474,402	1,474,402
BCCY0WUJ1FWD SETTLE AGY CMBS	510,000	504,661	504,661
BCCY0Y985 FWD SETTLE AGY CMBS	1,350,000	1,341,193	1,341,193
BCCY10WU3 FWD SETTLE AGY CMBS	1,045,000	1,045,327	1,045,327
BCCY14J29 FWD SETTLE AGY CMBS	3,560,000	3,516,613	3,516,613
BCCY18700 FWD SETTLE AGY CMBS	830,000	831,038	831,038
BCCY18718 FWD SETTLE AGY CMBS	2,010,000	2,012,513	2,012,513
BECTON DICKINSON + CO SR UNSECURED 02/28 4.693%	430,000	430,000	427,911
BECTON DICKINSON + CO SR UNSECURED 02/29 4.874	1,170,000	1,170,000	1,166,698
BECTON DICKINSON + CO SR UNSECURED 05/30 2.823%	430,000	389,077	385,099
BECTON DICKINSON + CO SR UNSECURED 06/27 3.7%	190,000	184,616	185,492
BECTON DICKINSON + CO SR UNSECURED 08/32 4.298%	130,000	130,170	122,383
BENCHMARK MORTGAGE TRUST BMARK 2018 B8 A5	1,270,000	1,270,918	1,215,678
BFLD TRUST BFLD 2024 UNIV A 144A	1,185,000	1,182,054	1,185,000
BHP BILLITON FIN USA LTD COMPANY GUAR 09/28 5.1%	180,000	184,219	181,498
BLACK HILLS CORP SR UNSECURED 01/26 3.95%	1,395,000	1,414,007	1,380,500
BLACK HILLS CORP SR UNSECURED 01/27 3.15%	320,000	321,140	308,821
BMP TRUST BMP 2024 MF23 A 144A	1,960,000	1,955,229	1,967,286
BMW US CAPITAL LLC COMPANY GUAR 144A 08/27 4.6%	700,000	703,396	696,405
BMW US CAPITAL LLC COMPANY GUAR 144A 08/28 3.95%	1,160,000	1,146,767	1,119,279
BMW US CAPITAL LLC COMPANY GUAR 144A 08/29 4.65%	500,000	499,260	490,717
BMW VEHICLE LEASE TRUST BMWLT 2024 2 A3	1,510,000	1,509,871	1,497,954
BNP PARIBAS 144A 01/30 VAR	770,000	770,000	767,406
BNP PARIBAS 144A 06/27 VAR	580,000	580,000	552,302
BNP PARIBAS 144A 08/28 4.4%	1,120,000	1,117,516	1,088,274
BNP PARIBAS 144A 09/28 VAR	650,000	601,837	595,864

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
BOCA COMMERCIAL MORTGAGE TRUST BOCA 2024 BOCA A 144A	1,710,000	1,705,793	1,717,475
BOEING CO SR UNSECURED 02/26 2.196%	250,000	246,718	242,437
BOEING CO SR UNSECURED 02/27 2.7%	950,000	949,234	905,478
BOEING CO SR UNSECURED 05/27 5.04%	50,000	50,000	50,120
BOEING CO SR UNSECURED 05/30 5.15%	710,000	710,000	699,776
BOFA AUTO TRUST BAAT 2024 1A A3 144A	1,020,000	1,019,855	1,032,555
BOSTON MA BOS 03/34 FIXED 1.738%	1,400,000	1,136,562	1,074,344
BP CAP MARKETS AMERICA COMPANY GUAR 01/27 3.017	225,000	217,595	218,059
BP CAP MARKETS AMERICA COMPANY GUAR 04/29 4.699	600,000	599,934	596,907
BPCE SA 144A 07/27 4.75%	1,650,000	1,645,651	1,642,175
BPR TRUST BPR 2022 OANA A 144A	2,370,000	2,365,121	2,378,888
BRAZOS EDUCATION LOAN AUTHORIT BELA 2021 1 A1B	1,959,528	1,959,528	1,939,518
BRAZOS EDUCATION LOAN AUTHORIT BELA 2021 2 A1B	1,064,060	1,064,060	1,050,991
BROADCOM INC SR UNSECURED 02/28 4.15%	460,000	459,390	452,344
BROADCOM INC SR UNSECURED 02/30 4.35%	680,000	678,872	661,647
BX TRUST BX 2021 ARIA A 144A	2,780,000	2,716,218	2,772,181
BX TRUST BX 2021 RISE A 144A	1,005,942	989,629	1,001,541
BX TRUST BX 2021 VOLT A 144A	3,170,000	3,113,437	3,164,056
BX TRUST BX 2022 CSMO A 144A	585,000	583,822	586,828
BX TRUST BX 2022 IND A 144A	4,054,693	4,045,149	4,059,761
BX TRUST BX 2022 PSB A 144A	1,072,993	1,066,723	1,078,013
BX TRUST BX 2024 AIRC A 144A	2,685,000	2,678,423	2,703,484
BX TRUST BX 2024 BIO A 144A	1,700,000	1,695,921	1,701,594
BX TRUST BX 2024 GPA3 A 144A	2,185,000	2,179,548	2,185,671
BX TRUST BX 2024 MDHS A 144A	745,362	743,555	748,856
BX TRUST BX 2024 VLT4 A 144A	1,035,000	1,032,668	1,039,205
BX TRUST BX 2024 XL5 A 144A	1,347,912	1,344,666	1,353,388
CALIFORNIA ST CAS 10/31 FIXED 5.75%	1,250,000	1,316,122	1,310,911
CAMPBELL CA UNION HIGH SCH DIS CMESCD 08/29 FIXED 1.472%	2,805,000	2,513,399	2,452,196
CANADIAN NATL RESOURCES SR UNSECURED 06/27 3.85%	1,210,000	1,184,344	1,184,248
CANADIAN NATL RESOURCES SR UNSECURED 144A 12/29 5%	520,000	519,837	514,625
CANADIAN PACIFIC RAILWAY COMPANY GUAR 06/28 4%	1,200,000	1,182,772	1,168,328
CANADIAN PACIFIC RAILWAY COMPANY GUAR 12/26 1.75%	380,000	379,778	359,798
CANADIAN PACIFIC RR CO SR UNSECURED 02/26 3.7	650,000	637,369	641,199
CAPITAL ONE FINANCIAL CO SR UNSECURED 02/29 VAR	380,000	380,000	382,609
CAPITAL ONE FINANCIAL CO SR UNSECURED 03/26 VAR	470,000	470,000	468,017
CAPITAL ONE FINANCIAL CO SR UNSECURED 03/30 VAR	330,000	330,000	305,113
CAPITAL ONE FINANCIAL CO SR UNSECURED 05/28 VAR	200,000	200,000	199,341
CAPITAL ONE FINANCIAL CO SR UNSECURED 05/33 VAR	580,000	580,000	564,913
CAPITAL ONE FINANCIAL CO SR UNSECURED 11/27 VAR	725,000	707,037	684,961
CAPITAL ONE PRIME AUTO RECEIVA COPAR 2023 2 A3	665,000	664,909	676,881
CARGILL INC SR UNSECURED 144A 11/31 2.125%	500,000	416,803	413,281
CARMAX AUTO OWNER TRUST CARMX 2023 3 A3	1,025,000	1,024,992	1,033,667
CARMAX AUTO OWNER TRUST CARMX 2024 1 A3	2,250,000	2,249,861	2,262,256
CARMAX AUTO OWNER TRUST CARMX 2024 2 A3	510,000	509,985	518,128
CARMAX AUTO OWNER TRUST CARMX 2024 3 A3	770,000	769,968	774,225
CEDARS SINAI HEALTH SYS SECURED 08/31 2.288%	1,500,000	1,436,527	1,261,076
CENTERPOINT ENER HOUSTON 1ST MORTGAGE 03/32 3%	890,000	779,137	773,810
CENTERPOINT ENER HOUSTON GENL REF MOR 03/34 5.15	600,000	598,052	593,258
CENTERPOINT ENER HOUSTON GENL REF MOR 09/26 2.4%	330,000	320,907	318,184
CENTERPOINT ENER HOUSTON GENL REF MOR 10/28 5.2%	420,000	428,525	425,117
CENTERPOINT ENER HOUSTON GENL REF MOR 10/32 4.45%	1,070,000	1,066,945	1,018,452
CES MU2 LLC US GOVT GUAR 05/27 1.994%	546,008	546,008	524,186
CHARLES SCHWAB CORP SR UNSECURED 05/29 VAR	790,000	790,000	806,058
CHARLES SCHWAB CORP SR UNSECURED 08/26 5.875%	965,000	964,538	981,631
CHARLES SCHWAB CORP SR UNSECURED 11/29 VAR	490,000	490,000	510,656
CHARTER COMM OPT LLC/CAP SR SECURED 04/33 4.4%	740,000	737,870	661,270
CHASE AUTO OWNER TRUST CHAOT 2024 1A A3 144A	835,000	834,952	841,332
CHASE AUTO OWNER TRUST CHAOT 2024 3A A3 144A	755,000	754,970	763,022
CHASE AUTO OWNER TRUST CHAOT 2024 5A A3 144A	1,120,000	1,119,888	1,109,427
CHEROKEE CNTY GA SCH SYS CHESCD 08/28 FIXED 5.626%	1,250,000	1,315,140	1,275,524

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
CHESAPEAKE FUNDING II LLC CFII 2023 2A A1 144A	1,373,456	1,373,339	1,393,465
CHILDREN S HOSPITAL MEDI SR UNSECURED 11/26 2.853%	1,600,000	1,600,000	1,540,576
CHRISTUS HEALTH SR SECURED 07/28 4.341%	1,000,000	1,000,000	978,934
CITIBANK NA SR UNSECURED 08/29 4.838%	730,000	730,000	726,698
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2015 GC29 A4	976,696	979,950	972,124
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2015 GC31 A4	965,000	986,092	957,290
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2016 P6 A4	1,121,813	1,091,714	1,094,923
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2016 P6 A5	1,507,803	1,513,970	1,450,639
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2017 B1 A3	1,470,823	1,414,642	1,409,379
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2017 P7 A4	806,000	805,190	774,761
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2018 B2 A4	1,205,000	1,218,113	1,169,380
CITIGROUP INC SR UNSECURED 02/28 VAR	3,230,000	3,209,882	3,105,843
CITIGROUP INC SR UNSECURED 03/30 VAR	800,000	747,797	763,990
CITIGROUP INC SR UNSECURED 03/33 VAR	910,000	910,000	817,199
CITIGROUP INC SR UNSECURED 04/26 VAR	340,000	340,469	338,369
CITIGROUP INC SR UNSECURED 06/31 VAR	1,440,000	1,440,000	1,255,548
CITIGROUP INC SR UNSECURED 07/28 VAR	600,000	583,414	581,175
CITIGROUP INC SR UNSECURED 09/26 VAR	350,000	350,000	351,901
CITIGROUP INC SR UNSECURED 09/30 VAR	550,000	550,000	534,530
CITIGROUP INC SR UNSECURED 10/28 VAR	1,200,000	1,159,653	1,154,830
CITIZENS AUTO RECEIVABLES TRUS CITZN 2024 1 A3 144A	1,605,000	1,604,995	1,615,759
CITIZENS AUTO RECEIVABLES TRUS CITZN 2024 2 A3 144A	1,410,000	1,409,835	1,425,304
CITIZENS BANK NA/RI SR UNSECURED 02/26 3.75%	420,000	419,972	414,675
CITIZENS BANK NA/RI SR UNSECURED 08/28 VAR	1,020,000	1,020,000	1,010,599
CNH EQUIPMENT TRUST CNH 2024 B A3	2,340,000	2,339,816	2,366,784
CNH EQUIPMENT TRUST CNH 2024 C A3	2,155,000	2,154,687	2,123,209
CNH INDUSTRIAL CAP LLC COMPANY GUAR 04/29 5.1	990,000	982,839	990,135
CNH INDUSTRIAL CAP LLC COMPANY GUAR 05/25 3.95%	460,000	459,665	458,402
CNH INDUSTRIAL CAP LLC COMPANY GUAR 07/26 1.45%	300,000	282,311	285,263
CNH INDUSTRIAL CAP LLC COMPANY GUAR 10/25 5.45%	250,000	249,563	251,307
CNH INDUSTRIAL CAP LLC COMPANY GUAR 10/27 4.5%	620,000	618,902	614,455
COLLEGE LOAN CORPORATION TRUST COLLE 2006 1 A7A 144A	900,000	900,058	900,348
COLORADO ST HSG FIN AUTH COSHSG 05/49 FIXED 6%	465,000	472,613	473,524
COLORADO ST HSG FIN AUTH COSHSG 11/47 FIXED 5%	1,630,000	1,621,489	1,608,942
COMCAST CORP COMPANY GUAR 04/30 3.4%	920,000	919,080	855,282
COMCAST CORP COMPANY GUAR 05/28 3.55%	220,000	216,673	211,187
COMCAST CORP COMPANY GUAR 10/28 4.15%	300,000	300,603	292,620
COMM MORTGAGE TRUST COMM 2015 CR26 A4	2,630,000	2,721,867	2,600,104
COMM MORTGAGE TRUST COMM 2016 COR1 A3	1,499,135	1,432,906	1,450,205
COMM MORTGAGE TRUST COMM 2016 COR1 A4	910,000	886,165	877,537
COMM MORTGAGE TRUST COMM 2016 CR28 A3	912,678	912,447	904,683
COMM MORTGAGE TRUST COMM 2016 CR28 A4	1,628,375	1,754,185	1,612,887
CONNECTICUT LIGHT + PWR 1ST MORTGAGE 01/29 4.65	1,140,000	1,138,075	1,134,326
CONNECTICUT LIGHT + PWR 1ST MORTGAGE 08/34 4.95%	50,000	49,784	48,768
CONNECTICUT LIGHT + PWR 1ST REF MORT 03/27 3.2%	360,000	351,341	349,243
CONOCOPHILLIPS COMPANY COMPANY GUAR 01/30 4.7%	840,000	840,868	831,260
CONSUMERS 23 SECURE FUND SR SECURED 09/31 5.21%	1,370,000	1,369,583	1,383,682
CONSUMERS ENERGY CO 1ST MORTGAGE 01/30 4.7%	450,000	449,065	446,870
CONSUMERS ENERGY CO 1ST MORTGAGE 02/29 4.9%	470,000	469,825	471,241
CONSUMERS ENERGY CO 1ST MORTGAGE 05/29 4.6	100,000	99,810	99,067
CONSUMERS ENERGY CO 1ST MORTGAGE 11/28 3.8%	1,200,000	1,165,825	1,157,349
COOPERATIEVE RABOBANK UA 144A 02/29 VAR	550,000	550,000	557,266
COOPERATIEVE RABOBANK UA 144A 04/28 VAR	960,000	960,000	931,384
COOPERATIEVE RABOBANK UA 144A 06/26 VAR	830,000	818,483	815,786
COOPERATIEVE RABOBANK UA 144A 12/27 VAR	1,915,000	1,915,000	1,813,956
COREBRIDGE GLOB FUNDING SECURED 144A 08/27 4.65%	230,000	229,968	229,171
COREBRIDGE GLOB FUNDING SECURED 144A 09/28 5.9%	610,000	610,216	627,115
COTERRA ENERGY INC SR UNSECURED 05/27 3.9%	1,120,000	1,104,603	1,094,972
CRH AMERICA FINANCE INC COMPANY GUAR 144A 04/28 3.95%	300,000	297,032	290,985
CRH AMERICA FINANCE INC COMPANY GUAR 144A 05/27 3.4%	350,000	341,747	338,748
CRH AMERICA INC COMPANY GUAR 144A 05/25 3.875%	1,330,000	1,335,195	1,322,915

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
CRH SMW FINANCE DAC COMPANY GUAR 05/29 5.2	780,000	778,611	785,441
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2016 C7 A5	2,140,000	2,087,008	2,065,232
CUBESMART LP COMPANY GUAR 09/26 3.125%	400,000	392,114	388,852
CUBESMART LP COMPANY GUAR 11/25 4%	320,000	325,907	317,729
CUBESMART LP COMPANY GUAR 12/28 2.25%	970,000	892,376	872,301
CVS HEALTH CORP SR UNSECURED 02/30 5.125%	1,790,000	1,780,828	1,752,521
CVS HEALTH CORP SR UNSECURED 03/28 4.3%	533,000	530,224	516,342
CVS HEALTH CORP SR UNSECURED 06/26 2.875%	400,000	385,748	388,400
CVS HEALTH CORP SR UNSECURED 08/26 3%	240,000	239,932	232,473
CVS HEALTH CORP SR UNSECURED 08/27 1.3%	1,320,000	1,271,643	1,196,204
DAIMLER TRUCK FINAN NA COMPANY GUAR 144A 01/27 5	460,000	459,466	460,985
DAIMLER TRUCK FINAN NA COMPANY GUAR 144A 04/27 3.65%	530,000	529,499	515,613
DAIMLER TRUCK FINAN NA COMPANY GUAR 144A 09/28 5.4%	530,000	529,614	536,794
DAIMLER TRUCK FINAN NA COMPANY GUAR 144A 12/26 2%	1,380,000	1,377,584	1,307,504
DC COMMERCIAL MORTGAGE TRUST DC 2023 DC A 144A	1,455,000	1,454,851	1,491,634
DELL EQUIPMENT FINANCE TRUST DEFT 2024 1 A3 144A	340,000	339,993	342,101
DENTON TX INDEP SCH DIST DNNSCD 08/29 FIXED 5%	1,000,000	1,022,869	1,016,844
DEUTSCHE BANK COMMERCIAL MORTG DBJPM 2016 C1 A4	1,075,000	1,072,468	1,049,800
DIGITAL REALTY TRUST LP COMPANY GUAR 01/28 5.55%	270,000	269,880	274,434
DIGITAL REALTY TRUST LP COMPANY GUAR 07/28 4.45%	1,100,000	1,099,356	1,080,325
DLLAA LLC DLLAA 2023 1A A3 144A	1,490,000	1,489,939	1,506,400
DLLAD LLC DLLAD 2021 1A A4 144A	940,000	858,188	895,565
DLLMT LLC DLLMT 2023 1A A3 144A	1,610,000	1,609,848	1,616,450
DLLST LLC DLLST 2024 1A A3 144A	820,000	819,959	820,661
DOC DR LLC COMPANY GUAR 03/27 4.3%	375,000	375,287	370,933
DOMINION ENERGY SOUTH 1ST MORTGAGE 12/31 2.3%	400,000	399,823	335,076
DTE ELECT SECUR FND II SR SECURED 03/33 5.97%	2,370,803	2,370,335	2,448,828
DTE ELECTRIC CO 1ST MORTGAGE 03/31 2.625%	680,000	679,320	595,099
DTE ELECTRIC CO GENL REF MOR 03/32 3%	1,110,000	1,106,663	975,082
DTE ELECTRIC CO GENL REF MOR 04/28 1.9%	370,000	345,842	338,821
DUKE ENERGY CAROLINAS 1ST MORTGAGE 08/29 2.45%	385,000	382,933	346,332
DUKE ENERGY FLORIDA LLC 1ST MORTGAGE 12/31 2.4%	420,000	419,546	354,648
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 03/29 3.45%	985,000	1,000,174	933,323
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 08/31 2%	930,000	928,913	769,800
DUKE ENERGY PROGRESS LLC 1ST MORTGAGE 09/28 3.7%	1,190,000	1,189,917	1,146,177
EAST OHIO GAS CO/THE SR UNSECURED 144A 06/25 1.3%	1,700,000	1,698,645	1,670,807
EASTMAN CHEMICAL CO SR UNSECURED 12/28 4.5%	470,000	465,188	461,155
ECMC GROUP STUDENT LOAN TRUST ECMC 2018 2A A 144A	1,658,816	1,656,884	1,634,100
ECMC GROUP STUDENT LOAN TRUST ECMC 2021 1A A1B 144A	984,200	984,200	962,785
ELM TRUST 2024 ELM 2024 ELM A10 144A	765,000	769,565	772,312
ELM TRUST 2024 ELM 2024 ELM A15 144A	830,000	835,314	837,933
EMD FINANCE LLC COMPANY GUAR 144A 03/25 3.25%	500,000	500,000	498,391
ENBRIDGE INC COMPANY GUAR 02/25 2.5%	310,000	310,003	309,084
ENBRIDGE INC COMPANY GUAR 04/27 5.25	275,000	274,878	278,197
ENBRIDGE INC COMPANY GUAR 11/26 5.9%	470,000	469,935	479,136
ENBRIDGE INC COMPANY GUAR 11/28 6%	880,000	879,810	911,138
ENERGY TRANSFER LP SR UNSECURED 03/27 4.4%	200,000	200,401	198,063
ENERGY TRANSFER LP SR UNSECURED 07/29 5.25	550,000	548,996	552,612
ENERGY TRANSFER LP SR UNSECURED 12/26 6.05%	720,000	719,772	735,416
ENERGY TRANSFER LP SR UNSECURED 12/28 6.1%	870,000	869,286	903,643
ENTERGY ARKANSAS LLC 1ST MORTGAGE 06/28 4%	900,000	973,279	877,845
ENTERGY TEXAS INC 1ST MORTGAGE 09/26 1.5%	960,000	959,230	908,817
ENTERPRISE FLEET FINANCING LLC EFF 2023 2 A2 144A	1,349,878	1,349,696	1,361,516
ENTERPRISE FLEET FINANCING LLC EFF 2024 1 A2 144A	1,391,419	1,391,252	1,401,367
ENTERPRISE FLEET FINANCING LLC EFF 2024 2 A3 144A	750,000	749,955	762,912
ENTERPRISE FLEET FINANCING LLC EFF 2024 3 A3 144A	1,100,000	1,099,846	1,106,382
ENTERPRISE PRODUCTS OPER COMPANY GUAR 01/30 2.8%	550,000	572,167	497,347
EQUIFAX INC SR UNSECURED 06/28 5.1%	770,000	768,402	772,860
EQUIFAX INC SR UNSECURED 09/29 4.8%	190,000	189,948	187,596
EQUIFAX INC SR UNSECURED 09/31 2.35%	450,000	375,398	376,483
EQUIFAX INC SR UNSECURED 12/27 5.1%	340,000	339,828	341,817

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
ETHIOPIAN LEASING 2012 US GOVT GUAR 05/26 2.646%	651,516	651,516	642,912
ETHIOPIAN LEASING 2012 US GOVT GUAR 08/26 2.566%	848,897	856,807	828,519
EVERGY METRO 1ST MORTGAGE 06/30 2.25%	760,000	759,499	658,657
EVERGY METRO GENL REF MOR 04/33 4.95%	720,000	719,223	702,464
EVERGY MISSOURI WEST INC 1ST MORTGAGE 144A 12/27 5.15%	300,000	299,643	301,052
EXELON CORP SR UNSECURED 03/28 5.15%	650,000	649,294	653,828
EXP IMP IMB SECURED 03/27 2.372%	450,264	458,957	435,260
EXPERIAN FINANCE PLC COMPANY GUAR 144A 02/29 4.25%	890,000	912,720	864,519
EXTENDED STAY AMERICA TRUST ESA 2021 ESH A 144A	1,972,971	1,961,009	1,974,204
EXTRA SPACE STORAGE LP COMPANY GUAR 04/29 3.9%	250,000	249,816	239,090
EXTRA SPACE STORAGE LP COMPANY GUAR 07/26 3.5%	300,000	290,240	294,366
EXTRA SPACE STORAGE LP COMPANY GUAR 07/30 5.5%	1,160,000	1,149,439	1,179,977
FANNIE MAE FNR 2007 88 HC	27,082	27,099	28,158
FANNIEMAE GRANTOR TRUST FNGT 2003 T4 1A	670	670	657
FANNIEMAE GRANTOR TRUST FNGT 2004 T2 1A1	7,768	8,064	7,887
FANNIEMAE WHOLE LOAN FNW 2003 W2 1A2	17,789	18,793	18,359
FANNIEMAE WHOLE LOAN FNW 2003 W4 3A	10,352	10,901	10,922
FANNIEMAE WHOLE LOAN FNW 2004 W11 1A3	30,403	31,744	30,306
FANNIEMAE WHOLE LOAN FNW 2004 W8 3A	7,228	7,628	7,368
FED HM LN PC POOL 1B4924 FH 09/40 FLT	106,208	107,874	109,928
FED HM LN PC POOL 1B8747 FH 09/41 FLT	63,382	64,401	65,345
FED HM LN PC POOL 1B8908 FH 11/41 FLT	65,500	66,620	67,583
FED HM LN PC POOL 1G0062 FH 02/35 FLT	36,124	35,751	36,556
FED HM LN PC POOL 1G0208 FH 04/35 FLT	4,110	4,069	4,127
FED HM LN PC POOL 1G1496 FH 02/37 FLT	11,185	11,163	11,364
FED HM LN PC POOL 1G1503 FH 02/37 FLT	376	378	376
FED HM LN PC POOL 1J0248 FH 02/37 FLT	8,248	8,289	8,396
FED HM LN PC POOL 1J1064 FH 05/38 FLT	28,962	28,931	29,119
FED HM LN PC POOL 1J1068 FH 04/38 FLT	51,728	54,360	53,332
FED HM LN PC POOL 1J2841 FH 09/37 FLT	38,483	38,383	39,677
FED HM LN PC POOL 1Q0001 FH 01/36 FLT	13,120	13,010	13,330
FED HM LN PC POOL 2B0244 FH 02/42 FLT	10,222	10,611	10,318
FED HM LN PC POOL 2B0620 FH 07/42 FLT	117,949	120,593	121,024
FED HM LN PC POOL 2B0635 FH 08/42 FLT	67,872	69,587	69,277
FED HM LN PC POOL 2B0669 FH 07/42 FLT	6,731	6,896	6,881
FED HM LN PC POOL 2B1601 FH 08/43 FLT	59,649	60,128	61,221
FED HM LN PC POOL 2B1649 FH 09/43 FLT	102,135	102,916	104,820
FED HM LN PC POOL 2B1783 FH 10/43 FLT	133,113	134,649	136,916
FED HM LN PC POOL 2B2965 FH 08/44 FLT	146,277	149,052	150,469
FED HM LN PC POOL 2B3360 FH 11/44 FLT	51,466	51,948	52,822
FED HM LN PC POOL 2B3423 FH 11/44 FLT	133,650	136,646	136,766
FED HM LN PC POOL 2B3493 FH 12/44 FLT	289,981	297,815	295,622
FED HM LN PC POOL 2B3623 FH 01/45 FLT	249,781	255,195	254,996
FED HM LN PC POOL 2B3626 FH 12/44 FLT	277,975	284,519	283,693
FED HM LN PC POOL 2B3656 FH 01/45 FLT	172,463	176,188	176,079
FED HM LN PC POOL 2B4151 FH 05/45 FLT	193,406	197,331	198,298
FED HM LN PC POOL 2B4166 FH 05/45 FLT	99,373	101,720	103,247
FED HM LN PC POOL 2B4462 FH 08/45 FLT	199,792	202,685	205,583
FED HM LN PC POOL 2B4739 FH 09/45 FLT	125,143	127,889	129,534
FED HM LN PC POOL 2B4808 FH 11/45 FLT	193,378	197,234	198,343
FED HM LN PC POOL 2B4933 FH 12/45 FLT	114,395	115,993	117,043
FED HM LN PC POOL 2B5033 FH 01/46 FLT	76,915	76,983	76,194
FED HM LN PC POOL 2B5130 FH 02/46 FLT	43,378	43,680	44,508
FED HM LN PC POOL 2B5188 FH 03/46 FLT	73,938	74,219	72,920
FED HM LN PC POOL 2B5599 FH 09/46 FLT	141,788	145,385	146,031
FED HM LN PC POOL 2B5647 FH 10/46 FLT	314,629	320,908	323,438
FED HM LN PC POOL 2B5812 FH 01/47 FLT	274,025	278,249	281,247
FED HM LN PC POOL 2B6451 FH 08/47 FLT	203,734	208,214	209,749
FED HM LN PC POOL 2B6506 FH 10/47 FLT	222,190	224,458	228,023
FED HM LN PC POOL 2B6612 FH 11/47 FLT	108,654	108,674	111,591
FED HM LN PC POOL 2B6628 FH 11/47 FLT	302,253	306,311	310,205

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
FED HM LN PC POOL 2B6641 FH 11/47 FLT	243,386	246,259	249,242
FED HM LN PC POOL 2B7736 FH 02/50 FLT	562,966	574,761	538,626
FED HM LN PC POOL 781804 FH 07/34 FLT	3,431	3,367	3,558
FED HM LN PC POOL 782656 FH 03/36 FLT	5,518	5,516	5,701
FED HM LN PC POOL 840637 FH 03/47 FLT	52,850	52,703	54,261
FED HM LN PC POOL 847565 FH 04/36 FLT	26,619	26,298	26,929
FED HM LN PC POOL 8C0269 FH 05/52 FLT	4,204,271	4,025,457	3,877,608
FED HM LN PC POOL 8C0303 FH 07/52 FLT	1,299,394	1,265,763	1,236,410
FED HM LN PC POOL 8C0329 FH 08/52 FLT	1,652,986	1,647,153	1,598,039
FED HM LN PC POOL 8C0376 FH 09/52 FLT	802,476	807,294	778,300
FED HM LN PC POOL 8C0382 FH 09/52 FLT	811,486	820,062	799,831
FED HM LN PC POOL 8C0399 FH 10/52 FLT	1,131,017	1,111,004	1,101,329
FED HM LN PC POOL 8C0430 FH 11/52 FLT	908,669	885,913	891,669
FED HM LN PC POOL 8C0464 FH 12/52 FLT	1,342,378	1,333,563	1,328,106
FED HM LN PC POOL G04540 FG 08/38 FIXED 6%	165,842	168,092	172,121
FED HM LN PC POOL G14573 FG 04/27 FIXED 3%	113,506	115,371	111,865
FED HM LN PC POOL G67702 FG 01/47 FIXED 4%	820,085	852,903	765,554
FED HM LN PC POOL J13882 FG 12/25 FIXED 3.5%	11,498	11,500	11,417
FED HM LN PC POOL J14492 FG 02/26 FIXED 4%	12,880	12,917	12,809
FED HM LN PC POOL J17545 FG 12/26 FIXED 3%	51,502	51,856	50,777
FED HM LN PC POOL J18801 FG 04/27 FIXED 3%	59,732	60,294	58,836
FED HM LN PC POOL Q40083 FG 04/46 FIXED 3.5%	847,033	888,398	765,440
FED HM LN PC POOL QA5182 FR 12/49 FIXED 3%	1,873,035	1,905,073	1,613,691
FED HM LN PC POOL QB4931 FR 11/50 FIXED 2%	2,921,931	3,022,199	2,300,489
FED HM LN PC POOL QE8086 FR 08/52 FIXED 4%	2,386,302	2,395,520	2,202,829
FED HM LN PC POOL QE8113 FR 08/52 FIXED 4%	2,540,306	2,545,653	2,333,335
FED HM LN PC POOL QE9162 FR 09/52 FIXED 4.5%	2,035,872	2,040,454	1,920,416
FED HM LN PC POOL QN1110 FR 12/34 FIXED 2.5%	4,974,713	5,012,474	4,565,097
FED HM LN PC POOL QN1350 FR 01/35 FIXED 2.5%	768,055	776,822	704,903
FED HM LN PC POOL QN1355 FR 01/35 FIXED 2.5%	2,326,813	2,352,416	2,135,492
FED HM LN PC POOL QN1370 FR 01/35 FIXED 3%	192,759	197,323	180,307
FED HM LN PC POOL QN1374 FR 01/35 FIXED 3%	201,697	206,734	189,418
FED HM LN PC POOL QN1377 FR 01/35 FIXED 3%	288,775	296,034	271,191
FED HM LN PC POOL QN1511 FR 02/35 FIXED 2.5%	1,509,785	1,530,244	1,381,890
FED HM LN PC POOL QN1577 FR 02/35 FIXED 2.5%	204,677	207,735	187,189
FED HM LN PC POOL QN1678 FR 02/35 FIXED 2.5%	1,152,079	1,167,291	1,054,473
FED HM LN PC POOL RA6388 FR 12/51 FIXED 2.5%	4,352,043	4,289,585	3,597,341
FED HM LN PC POOL SD8005 FR 08/49 FIXED 3.5%	66,443	67,830	59,605
FED HM LN PC POOL U40189 FG 03/27 FIXED 3%	169,252	170,840	166,726
FED HM LN PC POOL U59002 FG 09/32 FIXED 3.5%	278,574	291,949	268,294
FED HM LN PC POOL U62123 FG 02/43 FIXED 3.5%	897,310	941,914	812,765
FED HM LN PC POOL U70048 FG 08/27 FIXED 3%	80,184	81,563	78,805
FED HM LN PC POOL U90739 FG 02/43 FIXED 3.5%	49,382	52,177	44,790
FEDERAL REALTY OP LP SR UNSECURED 02/26 1.25%	660,000	650,794	633,539
FEDERAL REALTY OP LP SR UNSECURED 05/28 5.375%	1,375,000	1,386,716	1,388,483
FEDERAL REALTY OP LP SR UNSECURED 07/27 3.25%	300,000	292,535	288,480
FEDEX CORP COMPANY GUAR 02/28 3.4%	290,000	281,462	277,826
FEDEX CORP COMPANY GUAR 08/29 3.1%	690,000	651,114	639,554
FHLMC MULTIFAMILY STRUCTURED P FHMS K508 A2	1,115,000	1,095,364	1,114,675
FHLMC MULTIFAMILY STRUCTURED P FHMS K509 A2	3,270,000	3,186,366	3,282,752
FHLMC MULTIFAMILY STRUCTURED P FHMS K511 A2	1,100,000	1,096,760	1,103,550
FHLMC MULTIFAMILY STRUCTURED P FHMS Q004 A2H	88,715	89,748	88,359
FHLMC MULTIFAMILY STRUCTURED P FHMS Q016 APT1	2,202,548	2,223,214	2,114,905
FHLMC MULTIFAMILY STRUCTURED P FHMS Q016 APT2	2,434,224	2,456,458	2,213,083
FHLMC STRUCTURED PASS THROUGH FSPC T 63 1A1	115,386	109,646	110,773
FIFTH THIRD BANCORP SR UNSECURED 04/28 VAR	550,000	550,000	538,164
FIFTH THIRD BANCORP SR UNSECURED 07/30 VAR	950,000	950,120	931,044
FIFTH THIRD BANCORP SR UNSECURED 10/28 VAR	630,000	630,000	651,508
FIFTH THIRD BANK SUBORDINATED 03/26 3.85%	550,000	543,440	543,080
FIRSTENERGY TRANSMISSION SR UNSECURED 144A 09/28 2.866%	360,000	343,402	333,439
FISERV INC SR UNSECURED 03/28 5.45%	430,000	429,629	436,791

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
FISERV INC SR UNSECURED 03/30 4.75%	250,000	249,469	247,114
FISERV INC SR UNSECURED 07/26 3.2%	1,170,000	1,137,441	1,144,365
FISERV INC SR UNSECURED 08/28 5.375%	1,190,000	1,187,669	1,206,308
FLORIDA GAS TRANSMISSION SR UNSECURED 144A 07/25 4.35%	1,850,000	1,859,946	1,842,363
FLORIDA POWER + LIGHT CO 1ST MORTGAGE 05/28 4.4%	350,000	346,528	346,583
FMC CORP SR UNSECURED 10/26 3.2%	560,000	552,951	543,151
FMC CORP SR UNSECURED 10/29 3.45%	470,000	486,633	430,499
FNMA POOL 295541 FN 10/32 FLT	17,939	17,877	17,763
FNMA POOL 555743 FN 09/33 FIXED 5.0%	106,844	110,707	106,216
FNMA POOL 725027 FN 11/33 FIXED 5.0%	198,984	206,846	197,769
FNMA POOL 725205 FN 03/34 FIXED 5.0%	216,365	225,224	215,214
FNMA POOL 725206 FN 02/34 FIXED 5.5%	98,992	104,827	99,816
FNMA POOL 725232 FN 03/34 FIXED 5.0%	41,983	45,012	41,761
FNMA POOL 725238 FN 03/34 FIXED 5.0%	100,300	104,689	99,763
FNMA POOL 735803 FN 07/35 FLT	89,714	89,693	90,640
FNMA POOL 739757 FN 08/33 FLT	4,583	4,572	4,657
FNMA POOL 739759 FN 08/33 FLT	29,535	29,479	30,312
FNMA POOL 745484 FN 12/35 FLT	27,331	27,135	28,126
FNMA POOL 745606 FN 05/36 FLT	5,885	5,805	5,973
FNMA POOL 745777 FN 07/36 FLT	11,619	11,705	11,925
FNMA POOL 745859 FN 11/35 FLT	13,923	13,760	14,222
FNMA POOL 764364 FN 06/34 FLT	14,347	14,339	14,302
FNMA POOL 776486 FN 03/34 FLT	17,644	18,442	17,959
FNMA POOL 789463 FN 06/34 FLT	107,545	107,552	109,152
FNMA POOL 796989 FN 08/34 FLT	5,707	5,803	5,783
FNMA POOL 815055 FN 04/35 FLT	8,659	8,551	8,778
FNMA POOL 818982 FN 03/35 FLT	94,808	94,186	95,922
FNMA POOL 832729 FN 09/35 FLT	14,245	14,190	14,392
FNMA POOL 888635 FN 09/36 FIXED 5.5%	77,971	85,138	78,553
FNMA POOL 889911 FN 05/36 FLT	194,356	195,809	192,493
FNMA POOL 933584 FN 05/38 FLT	17,248	17,301	17,540
FNMA POOL AB1940 FN 12/25 FIXED 3.5%	18,464	18,614	18,320
FNMA POOL AB5358 FN 06/27 FIXED 2.5%	173,010	174,460	169,183
FNMA POOL AE8281 FN 12/40 FLT	37,734	38,401	38,589
FNMA POOL AJ2155 FN 10/41 FLT	46,634	47,198	48,226
FNMA POOL AJ3295 FN 11/41 FLT	40,391	41,332	41,117
FNMA POOL AK4888 FN 03/42 FLT	30,061	31,190	30,819
FNMA POOL AK6361 FN 04/27 FIXED 3%	7,501	7,578	7,443
FNMA POOL AK6431 FN 04/27 FIXED 3%	109,405	110,159	107,103
FNMA POOL AK7385 FN 03/27 FIXED 3%	108,492	109,380	106,684
FNMA POOL AL2964 FN 07/27 FIXED 2.5%	678,107	685,505	662,640
FNMA POOL AL9502 FN 11/45 FIXED 4.0%	398,569	414,363	373,946
FNMA POOL AN0571 FN 01/26 FIXED 3.1%	2,480,000	2,440,437	2,442,066
FNMA POOL AO4573 FN 06/42 FLT	84,291	86,040	86,990
FNMA POOL AP2392 FN 08/42 FLT	24,135	24,772	24,718
FNMA POOL AP4058 FN 08/27 FIXED 3%	41,188	41,565	40,408
FNMA POOL AP5947 FN 09/32 FIXED 4%	317,066	331,125	308,799
FNMA POOL AP6310 FN 09/42 FLT	66,844	68,491	68,400
FNMA POOL AP7487 FN 09/27 FIXED 3%	115,774	118,103	113,704
FNMA POOL AP7557 FN 09/42 FLT	23,550	23,486	24,145
FNMA POOL AQ4651 FN 11/42 FIXED 3.5%	63,356	66,990	57,655
FNMA POOL AQ4697 FN 11/42 FIXED 3.5%	81,250	85,647	74,004
FNMA POOL AQ9465 FN 01/33 FIXED 3%	98,782	101,693	92,575
FNMA POOL AS7056 FN 04/31 FIXED 3%	1,112,517	1,143,443	1,066,749
FNMA POOL AU3148 FN 07/43 FLT	19,285	19,329	19,565
FNMA POOL AU3730 FN 09/43 FLT	27,043	27,596	27,777
FNMA POOL AW1181 FN 03/44 FLT	221,187	224,056	226,832
FNMA POOL AW5021 FN 08/44 FLT	145,599	149,088	150,100
FNMA POOL AW8592 FN 10/44 FLT	113,312	116,020	116,101
FNMA POOL AX0686 FN 08/44 FLT	59,191	60,659	61,009
FNMA POOL AY0090 FN 12/44 FLT	343,184	352,724	351,751

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
FNMA POOL BC0145 FN 01/46 FLT	121,716	123,792	126,087
FNMA POOL BF0105 FN 06/56 FIXED 4%	2,192,935	2,318,208	2,009,621
FNMA POOL BF0107 FN 06/56 FIXED 4.5%	1,583,919	1,700,125	1,503,644
FNMA POOL BF0108 FN 06/56 FIXED 4.5%	951,385	1,012,774	903,170
FNMA POOL BF0118 FN 06/56 FIXED 4.5%	825,566	885,711	783,726
FNMA POOL BF0125 FN 07/56 FIXED 4%	1,412,147	1,488,947	1,294,112
FNMA POOL BF0132 FN 07/56 FIXED 4%	803,918	849,842	736,725
FNMA POOL BF0136 FN 08/56 FIXED 5%	1,219,331	1,339,020	1,189,004
FNMA POOL BF0154 FN 11/46 FIXED 3.5%	1,096,054	1,135,051	1,013,440
FNMA POOL BF0172 FN 01/41 FIXED 4%	170,076	174,762	161,477
FNMA POOL BF0193 FN 04/41 FIXED 4%	1,305,651	1,343,291	1,239,642
FNMA POOL BF0198 FN 11/40 FIXED 4%	2,623,859	2,690,203	2,491,176
FNMA POOL BF0201 FN 08/51 FIXED 4%	3,533,899	3,588,663	3,267,342
FNMA POOL BF0202 FN 01/51 FIXED 4.5%	1,496,997	1,553,504	1,410,097
FNMA POOL BH2589 FN 08/47 FLT	109,775	112,505	112,786
FNMA POOL BH5786 FN 11/47 FLT	97,751	98,124	100,188
FNMA POOL BH7365 FN 08/47 FLT	254,761	260,823	261,405
FNMA POOL BJ2463 FN 11/47 FLT	387,015	392,607	398,091
FNMA POOL BK0700 FN 02/35 FIXED 2.5%	111,457	113,292	102,291
FNMA POOL BK0706 FN 02/35 FIXED 2.5%	133,760	135,840	122,761
FNMA POOL BK0707 FN 02/35 FIXED 2.5%	126,115	128,244	115,743
FNMA POOL BK7939 FN 11/48 FIXED 4.5%	906,258	929,372	864,273
FNMA POOL BM7030 FN 06/52 FLT	1,342,988	1,279,768	1,244,259
FNMA POOL BM7055 FN 09/52 FLT	1,850,011	1,813,759	1,774,401
FNMA POOL BO1843 FN 08/49 FLT	333,568	340,569	333,391
FNMA POOL BO2240 FN 09/49 FLT	604,379	616,870	594,803
FNMA POOL BO3236 FN 11/49 FLT	746,478	757,205	737,887
FNMA POOL BO4955 FN 11/49 FLT	205,354	208,887	197,938
FNMA POOL BO4956 FN 11/49 FLT	156,066	159,008	150,399
FNMA POOL BO5007 FN 12/49 FLT	141,822	144,274	136,596
FNMA POOL BO6254 FN 12/49 FLT	347,218	352,237	333,674
FNMA POOL BO6257 FN 12/49 FLT	274,161	276,806	263,380
FNMA POOL BO7258 FN 01/35 FIXED 3%	488,801	500,825	459,034
FNMA POOL BO7259 FN 01/35 FIXED 3%	378,928	388,317	355,862
FNMA POOL BO7262 FN 01/35 FIXED 3%	267,378	273,712	249,974
FNMA POOL BO7270 FN 01/50 FLT	714,863	720,447	686,338
FNMA POOL BO9283 FN 02/35 FIXED 2.5%	251,112	254,847	230,216
FNMA POOL BP0633 FN 01/50 FLT	687,091	694,044	660,109
FNMA POOL BS3060 FN 11/28 FIXED 1.39%	870,000	870,967	769,717
FNMA POOL BS3066 FN 11/28 FIXED 1.39%	1,450,000	1,451,611	1,282,862
FNMA POOL BS4249 FN 02/29 FIXED 1.99%	4,199,144	4,248,058	3,798,717
FNMA POOL BS4956 FN 04/29 FIXED 2.27%	1,490,000	1,491,946	1,354,229
FNMA POOL BS5306 FN 12/30 FIXED 2.59%	3,410,000	3,414,992	3,014,319
FNMA POOL BS6526 FN 10/29 FIXED 3.5%	5,230,000	5,242,520	4,936,296
FNMA POOL BS6891 FN 10/29 FIXED 4.43%	967,018	971,508	953,989
FNMA POOL BS7574 FN 02/28 FIXED 4.21%	4,470,000	4,470,150	4,409,246
FNMA POOL BS7916 FN 04/28 FIXED 4.02%	1,610,000	1,551,661	1,581,442
FNMA POOL BS7985 FN 03/28 FIXED 4.79%	600,000	595,723	600,979
FNMA POOL BS9640 FN 10/28 FIXED 4.92%	3,150,000	3,117,569	3,171,173
FNMA POOL BS9766 FN 10/28 FIXED 5.38%	2,710,000	2,718,622	2,770,545
FNMA POOL BS9862 FN 12/28 FIXED 5.33%	1,910,000	1,913,373	1,946,502
FNMA POOL BT7869 FN 09/52 FIXED 4.5%	1,038,885	1,042,752	982,254
FNMA POOL BT8141 FN 06/52 FLT	1,487,967	1,430,259	1,381,229
FNMA POOL BT8249 FN 07/52 FLT	849,237	833,307	814,874
FNMA POOL BT8268 FN 08/52 FLT	1,199,996	1,199,879	1,167,264
FNMA POOL BU8809 FN 05/52 FLT	1,037,040	1,022,613	979,800
FNMA POOL BV2500 FN 06/52 FLT	1,626,457	1,627,486	1,568,346
FNMA POOL BV7994 FN 08/52 FLT	901,569	894,437	887,280
FNMA POOL BW1300 FN 10/52 FLT	2,771,080	2,707,647	2,741,097
FNMA POOL BW1315 FN 11/52 FIXED 4.5%	2,375,416	2,263,057	2,258,703
FNMA POOL BW1384 FN 12/52 FLT	1,357,246	1,350,554	1,359,288

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
FNMA POOL BW5040 FN 07/52 FLT	2,256,783	2,276,586	2,181,785
FNMA POOL BW9708 FN 11/52 FLT	2,216,342	2,194,339	2,214,654
FNMA POOL BZ0084 FN 01/29 FIXED 5.09%	7,440,000	7,502,334	7,540,810
FNMA POOL BZ0085 FN 12/28 FIXED 5.18%	820,000	821,307	830,354
FNMA POOL BZ0920 FN 05/31 FIXED 4.57	3,260,000	3,215,394	3,197,967
FNMA POOL BZ1599 FN 09/29 FIXED 4.755%	3,820,000	3,830,728	3,816,574
FNMA POOL BZ1646 FN 08/29 FIXED 4.37%	2,530,000	2,506,206	2,487,457
FNMA POOL BZ2018 FN 10/29 FIXED 3.8%	2,060,000	2,035,664	1,975,905
FNMA POOL BZ2123 FN 10/29 FIXED 4.08%	1,070,000	1,070,231	1,038,314
FNMA POOL BZ2186 FN 12/31 FIXED 3.86%	1,540,000	1,513,142	1,452,578
FNMA POOL BZ2333 FN 11/31 FIXED 4.14%	1,200,000	1,179,596	1,150,667
FNMA POOL BZ2708 FN 01/32 FIXED 4.4%	1,715,000	1,690,421	1,666,762
FNMA POOL BZ2726 FN 12/29 FIXED 4.35%	2,600,000	2,567,919	2,552,270
FNMA POOL BZ2727 FN 01/30 FIXED 4.36%	780,000	775,827	766,032
FNMA POOL BZ2744 FN 01/30 FIXED 4.3%	320,000	317,413	313,407
FNMA POOL BZ2775 FN 01/30 FIXED 4.325%	2,640,000	2,621,649	2,588,570
FNMA POOL BZ2785 FN 01/30 FIXED 4.255%	270,000	267,259	263,891
FNMA POOL BZ2814 FN 01/30 FIXED 4.32%	1,750,000	1,737,221	1,715,515
FNMA POOL CA3155 FN 02/34 FIXED 4%	149,184	153,309	144,332
FNMA POOL CA3156 FN 02/34 FIXED 4%	101,101	103,751	97,813
FNMA POOL CB2624 FN 01/52 FIXED 2.5%	3,196,649	3,200,610	2,640,049
FNMA POOL CB3854 FN 06/52 FIXED 4%	11,365,998	11,033,554	10,486,180
FNMA POOL CB4905 FN 10/52 FIXED 5.5%	4,151,254	4,146,807	4,144,930
FNMA POOL CB6531 FN 06/53 FLT	2,954,548	2,875,821	2,950,772
FNMA POOL FM2268 FN 01/35 FIXED 2.5%	664,493	674,310	609,858
FNMA POOL FM7599 FN 01/51 FIXED 3.5%	1,719,372	1,518,742	1,537,658
FNMA POOL MA0952 FN 01/32 FIXED 4%	294,451	302,870	287,712
FNMA POOL MA3937 FN 02/50 FIXED 3%	3,430,283	2,954,587	2,952,495
FORD CREDIT AUTO LEASE TRUST FORDL 2024 B A3	1,655,000	1,654,954	1,665,856
FORD CREDIT AUTO OWNER TRUST FORDO 2023 B A3	1,360,000	1,359,987	1,371,803
FORD CREDIT AUTO OWNER TRUST FORDO 2023 C A3	2,195,000	2,194,632	2,223,949
FORD CREDIT AUTO OWNER TRUST FORDO 2024 A A3	1,525,000	1,524,784	1,538,631
FORD CREDIT AUTO OWNER TRUST FORDO 2024 C A3	1,505,000	1,504,990	1,489,943
FORD CREDIT AUTO OWNER TRUST/F FORDR 2021 1 A 144A	2,670,000	2,669,992	2,564,484
FORD CREDIT AUTO OWNER TRUST/F FORDR 2022 1 A 144A	2,750,000	2,749,354	2,700,324
FORD CREDIT AUTO OWNER TRUST/F FORDR 2024 1 A 144A	2,050,000	2,049,388	2,053,085
FORD CREDIT FLOORPLAN MASTER O FORDF 2024 1 A1 144A	820,000	819,859	828,963
FORD MOTOR CREDIT CO LLC SR UNSECURED 09/29 5.303%	500,000	500,000	489,899
FORD MOTOR CREDIT CO LLC SR UNSECURED 11/26 5.125%	520,000	519,983	519,567
FREDDIE MAC SCRT SCRT 2018 3 MA	558,484	555,556	532,532
FREDDIE MAC SCRT SCRT 2018 4 M55D	318,061	323,609	296,865
FREDDIE MAC SCRT SCRT 2019 1 M55D	1,091,824	1,117,059	1,002,028
FREDDIE MAC SCRT SCRT 2020 2 M55H	1,084,829	1,141,261	944,217
FREDDIE MAC SCRT SCRT 2020 2 MT	1,727,117	1,777,083	1,346,295
FREDDIE MAC SCRT SCRT 2020 3 M5TU	476,849	501,247	412,974
FREDDIE MAC SCRT SCRT 2020 3 MTU	1,541,668	1,634,583	1,247,851
FREDDIE MAC SCRT SCRT 2020 3 TTU	521,206	544,900	473,194
FREDDIE MAC SCRT SCRT 2021 1 TTU	1,047,150	1,089,509	946,050
FRISCO TX INDEP SCH DIST FSCSD 02/26 FIXED 4%	1,000,000	993,997	997,659
GE HEALTHCARE TECH INC COMPANY GUAR 03/30 5.857%	360,000	360,002	372,948
GE HEALTHCARE TECH INC COMPANY GUAR 11/27 5.65%	1,370,000	1,366,703	1,403,282
GE HEALTHCARE TECH INC SR UNSECURED 08/29 4.8%	120,000	119,867	118,888
GE HEALTHCARE TECH INC SR UNSECURED 11/25 5.6%	700,000	699,539	704,691
GENERAL MILLS INC SR UNSECURED 01/27 4.7	300,000	299,788	299,893
GENERAL MILLS INC SR UNSECURED 04/28 4.2%	390,000	381,556	381,880
GENERAL MILLS INC SR UNSECURED 04/30 2.875%	640,000	639,282	575,601
GENERAL MILLS INC SR UNSECURED 10/28 5.5%	680,000	677,158	694,131
GENERAL MOTORS FINL CO SR UNSECURED 04/25 3.8%	750,000	749,986	747,635
GENERAL MOTORS FINL CO SR UNSECURED 04/27 5%	490,000	489,743	490,507
GENERAL MOTORS FINL CO SR UNSECURED 04/29 4.3%	820,000	819,055	791,974
GENERAL MOTORS FINL CO SR UNSECURED 05/27 5.4	630,000	629,632	636,567

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
GENERAL MOTORS FINL CO SR UNSECURED 10/25 6.05%	440,000	439,841	443,779
GENERAL MOTORS FINL CO SR UNSECURED 10/28 2.4%	1,370,000	1,368,076	1,241,996
GENERAL MOTORS GFORT 2023 1 A1 144A	3,730,000	3,729,353	3,771,912
GEORGIA PACIFIC LLC SR UNSECURED 144A 03/25 3.6%	340,000	338,859	339,257
GILEAD SCIENCES INC SR UNSECURED 03/26 3.65	330,000	323,636	326,039
GM FINANCIAL REVOLVING RECEIVA GMREV 2021 1 A 144A	2,660,000	2,558,051	2,510,079
GM FINANCIAL REVOLVING RECEIVA GMREV 2022 1 A 144A	1,030,000	1,029,825	1,062,216
GM FINANCIAL REVOLVING RECEIVA GMREV 2023 2 A 144A	2,240,000	2,239,637	2,320,949
GM FINANCIAL REVOLVING RECEIVA GMREV 2024 1 A 144A	1,135,000	1,134,674	1,144,516
GM FINANCIAL REVOLVING RECEIVA GMREV 2024 2 A 144A	2,205,000	2,204,122	2,178,755
GM FINANCIAL SECURITIZED TERM GMCAR 2023 4 A3	1,025,000	1,024,840	1,042,324
GM FINANCIAL SECURITIZED TERM GMCAR 2024 1 A3	1,620,000	1,619,735	1,628,274
GM FINANCIAL SECURITIZED TERM GMCAR 2024 3 A3	985,000	984,863	995,859
GNMA II POOL 082977 G2 11/41 FLT	253,421	259,139	256,798
GNMA II POOL 082997 G2 12/41 FLT	127,762	130,761	129,461
GNMA II POOL 710055 G2 09/60 FIXED 4.5%	2,471	2,644	2,417
GNMA II POOL 714618 G2 07/59 FIXED 5.46%	5,199	5,350	5,201
GNMA II POOL 725607 G2 11/59 FIXED 5.47%	5	5	5
GNMA II POOL 765167 G2 11/61 FIXED 4.7%	6,139	6,568	6,019
GNMA II POOL 773419 G2 09/61 FIXED 4.14%	28,573	30,662	27,771
GNMA II POOL 773426 G2 09/61 FIXED 4.7%	9,233	9,862	9,156
GNMA II POOL 891615 G2 05/58 FLT	238,596	234,818	238,075
GNMA II POOL AY8928 G2 02/67 FIXED 4.468%	401,274	426,348	397,369
GNMA II POOL AY8939 G2 02/67 FIXED 4.565%	290,672	310,198	285,513
GNMA II POOL MA3195 G2 10/45 FLT	116,733	118,129	118,455
GOLDMAN SACHS GROUP INC SR UNSECURED 02/28 VAR	2,860,000	2,809,724	2,728,011
GOLDMAN SACHS GROUP INC SR UNSECURED 07/30 VAR	390,000	390,000	388,011
GOLDMAN SACHS GROUP INC SR UNSECURED 08/26 VAR	680,000	680,000	683,762
GOLDMAN SACHS GROUP INC SR UNSECURED 08/28 VAR	1,110,000	1,104,627	1,097,102
GOLDMAN SACHS GROUP INC SR UNSECURED 09/27 VAR	3,020,000	2,931,430	2,855,922
GOLDMAN SACHS GROUP INC SR UNSECURED 10/27 VAR	2,260,000	2,258,712	2,144,168
GOVERNMENT NATIONAL MORTGAGE A GNR 2015 H25 FD	1,207,483	1,192,979	1,204,678
GOVERNMENT NATIONAL MORTGAGE A GNR 2016 H01 FA	481,505	486,799	483,213
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H01 FA	2,480,969	2,487,562	2,486,306
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 H06 FD	2,202,496	2,202,496	2,211,330
GREAT WOLF TRUST GWT 2024 WLF2 A 144A	1,380,000	1,376,649	1,385,175
GS MORTGAGE SECURITIES TRUST GSMS 2017 GS5 A3	1,590,478	1,547,409	1,546,364
GS MORTGAGE SECURITIES TRUST GSMS 2017 GS6 A2	1,487,431	1,442,652	1,426,291
GS MORTGAGE SECURITIES TRUST GSMS 2017 GS8 A3	3,030,000	2,916,666	2,903,079
GS MORTGAGE SECURITIES TRUST GSMS 2018 GS10 A4	2,705,000	2,677,943	2,577,134
GUARDIAN LIFE GLOB FUND SR SECURED 144A 03/27 3.246%	680,000	665,458	659,277
GULFSTREAM NATURAL GAS SR UNSECURED 144A 09/25 4.6%	620,000	618,254	617,534
GULFSTREAM NATURAL GAS SR UNSECURED 144A 11/25 6.19%	240,000	248,702	242,206
HALEON UK CAPITAL PLC COMPANY GUAR 03/25 3.125%	680,000	679,863	677,300
HALLIBURTON CO SR UNSECURED 03/30 2.92%	1,240,000	1,239,823	1,116,678
HARAR LEASING 2013 LLC US GOVT GUAR 07/25 2.582%	141,875	142,632	140,049
HARLEY DAVIDSON MOTORCYCLE TRU HDMOT 2023 A A3	1,841,972	1,841,856	1,848,009
HAWAII ST HIS 08/29 FIXED 1.892%	1,250,000	1,256,464	1,112,352
HEALTH CARE SERVICE CORP SR UNSECURED 144A 06/25 1.5%	1,010,000	1,009,895	996,115
HEALTH CARE SERVICE CORP SR UNSECURED 144A 06/29 5.2	1,350,000	1,351,106	1,356,630
HEALTHPEAK OP LLC COMPANY GUAR 01/31 2.875%	890,000	885,260	783,590
HEALTHPEAK OP LLC COMPANY GUAR 06/25 4%	770,000	771,352	766,314
HEALTHPEAK OP LLC COMPANY GUAR 07/29 3.5%	540,000	538,855	505,534
HEINEKEN NV SR UNSECURED 144A 01/28 3.5%	650,000	624,218	625,547
HNA 2015 LLC US GOVT GUAR 06/27 2.291%	341,504	348,175	328,306
HONDA AUTO RECEIVABLES OWNER T HAROT 2022 2 A4	450,000	449,937	446,869
HONDA AUTO RECEIVABLES OWNER T HAROT 2023 4 A3	1,135,000	1,134,848	1,153,016
HONDA AUTO RECEIVABLES OWNER T HAROT 2023 4 A4	135,000	134,974	137,727
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 1 A3	1,050,000	1,049,963	1,060,847
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 2 A3	1,315,000	1,314,861	1,330,891
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 3 A3	2,020,000	2,019,707	2,021,562

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
HONOLULU CITY CNTY HI WSTWTR HONUTL 07/30 FIXED 1.473%	700,000	617,808	594,704
HOSPITAL SPECIAL SURGERY SECURED 04/28 3.737%	285,000	285,000	274,534
HP ENTERPRISE CO SR UNSECURED 09/26 4.45%	240,000	239,992	238,773
HP ENTERPRISE CO SR UNSECURED 09/27 4.4%	520,000	519,777	514,605
HP ENTERPRISE CO SR UNSECURED 10/29 4.55%	1,290,000	1,288,711	1,258,003
HP INC SR UNSECURED 01/28 4.75%	200,000	199,820	199,718
HP INC SR UNSECURED 04/29 4%	710,000	708,945	680,578
HPEFS EQUIPMENT TRUST HPEFS 2022 2A A3 144A	91,796	91,787	91,742
HSBC HOLDINGS PLC SR UNSECURED 03/28 VAR	1,850,000	1,791,260	1,810,850
HSBC HOLDINGS PLC SR UNSECURED 03/29 VAR	390,000	390,000	400,563
HSBC HOLDINGS PLC SR UNSECURED 06/28 VAR	580,000	575,547	575,993
HSBC HOLDINGS PLC SR UNSECURED 06/29 VAR	440,000	440,000	431,035
HSBC HOLDINGS PLC SR UNSECURED 08/29 VAR	750,000	716,337	673,876
HSBC HOLDINGS PLC SR UNSECURED 09/26 VAR	610,000	610,000	607,209
HSBC HOLDINGS PLC SR UNSECURED 09/28 VAR	700,000	635,053	645,506
HSBC HOLDINGS PLC SR UNSECURED 11/32 VAR	1,560,000	1,560,000	1,316,151
HUNTINGTON AUTO TRUST HUNT 2024 1A A3 144A	1,830,000	1,829,943	1,848,679
HUNTINGTON BANCSHARES SR UNSECURED 08/28 VAR	810,000	810,000	801,684
HUNTINGTON NATIONAL BANK SR UNSECURED 05/28 VAR	640,000	640,000	634,894
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 B A3 144A	765,000	764,983	773,918
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 C A3 144A	1,835,000	1,834,959	1,835,918
HYUNDAI AUTO RECEIVABLES TRUST HART 2023 C A3	3,130,000	3,129,679	3,176,023
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 A A3	1,000,000	999,813	1,007,368
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 B A3	760,000	759,896	763,854
HYUNDAI CAPITAL AMERICA SR UNSECURED 144A 09/27 4.3%	410,000	409,678	403,348
IBM CORP SR UNSECURED 02/27 2.2%	840,000	839,891	797,964
IDAHO POWER CO 1ST MORTGAGE 08/34 5.2%	470,000	469,719	467,020
INDIANA ST HSG CMNTY DEV AUT INSSFH 07/54 FIXED 5.75%	490,000	493,448	493,965
INDIANAPOLIS IN LOCAL PUBLIC I INPBBK 01/30 FIXED 5.854%	625,000	681,806	632,074
INDIANAPOLIS PWR + LIGHT 1ST MORTGAGE 144A 12/32 5.6%	1,200,000	1,227,381	1,211,281
INGREDION INC SR UNSECURED 06/30 2.9%	800,000	817,162	718,850
INGREDION INC SR UNSECURED 10/26 3.2%	400,000	389,297	388,868
INT DEVELOPMENT FIN CORP US GOVT GUAR 03/35 3.6%	2,510,870	2,510,870	2,359,733
INT DEVELOPMENT FIN CORP US GOVT GUAR 10/25 ZERO CPN	1,669,000	1,669,000	1,889,461
INTEL CORP SR UNSECURED 02/31 5	310,000	308,982	304,308
INTEL CORP SR UNSECURED 03/30 3.9%	730,000	729,145	684,201
INTERSTATE POWER + LIGHT SR UNSECURED 04/29 3.6%	180,000	172,095	170,458
INTERSTATE POWER + LIGHT SR UNSECURED 09/28 4.1%	900,000	982,201	873,852
INTOWN 2022 STAY TOWN 2022 STAY A 144A	1,480,000	1,475,126	1,480,925
JOBOSHIO BEVERAGE SYS STWD LIQ JOBGEN 01/29 FIXED 3.985%	850,000	855,982	840,430
JOHN DEERE OWNER TRUST JDOT 2023 B A3	770,000	769,911	774,031
JOHN DEERE OWNER TRUST JDOT 2024 A A3	2,350,000	2,349,890	2,359,673
JOHN DEERE OWNER TRUST JDOT 2024 C A3	2,245,000	2,244,508	2,215,153
JOHNS HOPKINS HEALTH SYS UNSECURED 01/30 2.42%	1,600,000	1,622,526	1,417,737
JOHNSON CONTROLS/TYCO FI SR UNSECURED 04/29 5.5	540,000	538,757	549,840
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2015 JP1 A5	875,000	882,788	864,057
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2022 ACB A 144A	595,000	593,746	596,488
JP MORGAN CHASE COMMERCIAL MOR JPMCC 2022 NLP A 144A	1,625,505	1,574,049	1,589,440
JPMBB COMMERCIAL MORTGAGE SECU JPMBB 2014 C24 A5	201,833	207,160	201,267
JPMBB COMMERCIAL MORTGAGE SECU JPMBB 2014 C26 A4	42,372	41,834	42,285
JPMBB COMMERCIAL MORTGAGE SECU JPMBB 2015 C30 A5	1,300,000	1,337,979	1,279,917
JPMBB COMMERCIAL MORTGAGE SECU JPMBB 2016 C1 A5	710,000	704,423	699,627
JPMDB COMMERCIAL MORTGAGE SECU JPMDB 2016 C4 A2	1,205,462	1,158,576	1,172,378
JPMDB COMMERCIAL MORTGAGE SECU JPMDB 2016 C4 A3	1,135,000	1,112,137	1,083,574
JPMORGAN CHASE + CO SR UNSECURED 01/28 VAR	640,000	640,000	642,327
JPMORGAN CHASE + CO SR UNSECURED 02/28 VAR	2,130,000	2,110,771	2,049,261
JPMORGAN CHASE + CO SR UNSECURED 04/28 VAR	1,220,000	1,220,000	1,237,627
JPMORGAN CHASE + CO SR UNSECURED 06/28 VAR	1,000,000	1,009,554	939,344
JPMORGAN CHASE + CO SR UNSECURED 06/29 VAR	390,000	390,000	354,483
JPMORGAN CHASE + CO SR UNSECURED 07/28 VAR	1,190,000	1,189,947	1,192,304
JPMORGAN CHASE + CO SR UNSECURED 07/29 VAR	1,590,000	1,590,000	1,560,926

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
JPMORGAN CHASE + CO SR UNSECURED 09/27 VAR	3,230,000	3,150,943	3,055,756
JPMORGAN CHASE + CO SR UNSECURED 10/27 VAR	520,000	520,000	532,083
JPMORGAN CHASE + CO SR UNSECURED 12/29 VAR	1,520,000	1,520,000	1,489,257
KELLANOVA SR UNSECURED 11/27 3.4%	650,000	649,754	627,286
KENTUCKY HIGHER EDUCATION STUD KHESL 2020 1 A1B	2,072,500	2,050,164	1,968,875
KEY BANK NA SR UNSECURED 01/26 4.7%	330,000	329,898	329,373
KEY BANK NA SR UNSECURED 01/33 5%	470,000	468,089	450,892
KEY BANK NA SR UNSECURED 11/27 5.85%	250,000	249,746	256,132
KEY BANK NA SUBORDINATED 05/26 3.4%	1,320,000	1,314,048	1,289,943
KIMCO REALTY OP LLC COMPANY GUAR 02/25 3.3%	1,230,000	1,229,985	1,228,061
KIMCO REALTY OP LLC COMPANY GUAR 04/27 3.8%	500,000	488,786	489,765
KIMCO REALTY OP LLC COMPANY GUAR 12/31 2.25%	1,500,000	1,495,120	1,245,422
KINDER MORGAN INC COMPANY GUAR 02/29 5	940,000	938,697	937,013
KINDER MORGAN INC COMPANY GUAR 11/26 1.75%	1,310,000	1,298,153	1,242,008
KUBOTA CREDIT OWNER TRUST KCOT 2023 1A A3 144A	1,665,000	1,664,844	1,670,554
KUBOTA CREDIT OWNER TRUST KCOT 2024 1A A3 144A	795,000	794,975	800,275
KUBOTA CREDIT OWNER TRUST KCOT 2024 2A A3 144A	560,000	559,988	566,523
L3HARRIS TECH INC SR UNSECURED 01/27 5.4%	640,000	639,498	647,824
L3HARRIS TECH INC SR UNSECURED 06/28 4.4%	600,000	599,300	589,373
L3HARRIS TECH INC SR UNSECURED 06/29 5.05	570,000	568,942	569,809
LABORATORY CORP OF AMER COMPANY GUAR 04/30 4.35%	580,000	579,620	559,669
LENNOX INTERNATIONAL INC COMPANY GUAR 08/25 1.35%	1,300,000	1,299,384	1,272,327
LENNOX INTERNATIONAL INC COMPANY GUAR 08/27 1.7%	640,000	613,934	590,100
LIFE FINANCIAL SERVICES TRUST LIFE 2021 BMR A 144A	801,066	789,471	791,052
LIFE FINANCIAL SERVICES TRUST LIFE 2022 BMR2 A1 144A	2,905,000	2,888,103	2,839,638
LINCOLN W HAYMARKET NE JT PUBL LINGEN 12/30 FIXED 5.4%	1,730,000	1,843,781	1,740,890
LOS ALAMITOS CA UNIF SCH DIST LALSCD 02/26 FIXED 6.19%	1,000,000	1,028,610	1,019,170
LOS ANGELES CA CMNTY CLG DIST LOSHGR 08/30 FIXED 1.806%	1,000,000	888,674	871,209
LOUISIANA ST LOCAL GOVT ENVRNM LASGOV 02/29 FIXED 3.615	1,146,703	1,146,565	1,133,085
LOUISIANA ST LOCAL GOVT ENVRNM LASGOV 02/33 FIXED 4.145	1,750,000	1,646,774	1,699,519
LOUISIANA ST LOCAL GOVT ENVRNM LASGOV 06/31 FIXED 5.081	1,736,565	1,734,063	1,745,522
LOUISIANA ST LOCAL GOVT ENVRNM LASGOV 08/39 FIXED 4.475%	1,000,000	920,612	931,315
LOUISIANA ST LOCAL GOVT ENVRNM LASGOV 12/34 FIXED 5.048	80,000	80,353	79,973
LULWA LTD US GOVT GUAR 02/25 1.888%	138,556	138,641	138,045
LULWA LTD US GOVT GUAR 03/25 1.831%	37,096	37,073	36,865
M+T BANK AUTO RECEIVABLES TRUS MTBAT 2024 1A A3 144A	825,000	824,819	831,859
M+T BANK CORPORATION SR UNSECURED 08/28 VAR	430,000	430,000	425,384
M+T EQUIPMENT NOTES MTLRF 2023 1A A3 144A	695,000	694,975	700,792
MANUF + TRADERS TRUST CO SR UNSECURED 01/28 4.7%	1,670,000	1,668,490	1,653,498
MANUF + TRADERS TRUST CO SR UNSECURED 11/25 5.4%	640,000	639,880	641,907
MARATHON PETROLEUM CORP SR UNSECURED 04/28 3.8%	1,600,000	1,578,284	1,543,861
MARATHON PETROLEUM CORP SR UNSECURED 05/25 4.7%	1,795,000	1,800,381	1,792,991
MARIN CA CMNTY CLG DIST MRNHGR 08/30 FIXED 1.61%	515,000	488,053	438,603
MARTIN MARIETTA MATERIAL SR UNSECURED 03/30 2.5%	500,000	496,861	442,302
MARYLAND ST CMNTY DEV ADMIN DE MDSDEV 09/53 FIXED 6%	965,000	981,977	982,648
MARYLAND ST CMNTY DEV ADMIN DE MDSMFH 09/48 FIXED 3.242%	1,290,000	1,250,514	1,276,556
MASCO CORP SR UNSECURED 10/30 2%	1,260,000	1,259,453	1,062,458
MASCO CORP SR UNSECURED 11/27 3.5%	300,000	291,435	288,911
MASSACHUSETTS ST MAS 08/31 FIXED 4.5%	1,435,000	1,498,380	1,398,295
MASSACHUSETTS ST MAS 11/25 FIXED 0.695%	1,540,000	1,496,603	1,495,884
MASSACHUSETTS ST SCH BLDG AUTH MASEDU 08/30 FIXED 1.753%	750,000	753,776	656,734
MASSACHUSETTS ST SPL OBLG REVE MASOBL 07/31 FIXED 4.11%	990,025	985,297	967,185
MASSACHUSETTS ST WTR RESOURCES MASWTR 08/33 FIXED 2.39%	415,000	349,926	340,182
MASSMUTUAL GLOBAL FUNDIN SR SECURED 144A 01/29 4.85	800,000	799,914	800,443
MASSMUTUAL GLOBAL FUNDIN SR SECURED 144A 09/31 4.35%	210,000	209,723	201,668
MCDONALD S CORP SR UNSECURED 07/30 3.6%	285,000	283,789	267,402
MERCEDES BENZ AUTO LEASE TRUST MBALT 2024 A A3	1,305,000	1,304,872	1,320,441
MERCEDES BENZ AUTO LEASE TRUST MBALT 2024 B A3	1,360,000	1,359,788	1,353,759
MERCEDES BENZ AUTO RECEIVABLES MBART 2023 2 A3	1,795,000	1,794,881	1,828,090
MERCEDES BENZ AUTO RECEIVABLES MBART 2024 1 A3	3,595,000	3,594,802	3,610,914
MERCEDES BENZ FIN NA COMPANY GUAR 144A 01/29 4.85	300,000	299,706	297,719

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
MERCEDES BENZ FIN NA COMPANY GUAR 144A 03/28 4.8%	950,000	949,128	943,277
MERCEDES BENZ FIN NA COMPANY GUAR 144A 08/27 4.75%	730,000	729,194	728,830
MERCEDES BENZ FIN NA COMPANY GUAR 144A 08/28 5.1%	390,000	389,658	390,276
MERCEDES BENZ FIN NA COMPANY GUAR 144A 11/27 4.9%	325,000	324,657	324,402
MET GOVT NASHVILLE DAVIDSON MET 07/34 FIXED 5.707%	555,000	662,901	561,725
MET LIFE GLOB FUNDING I SR SECURED 144A 09/28 5.4%	560,000	559,316	568,973
MET TOWER GLOBAL FUNDING SR SECURED 144A 04/29 5.25	620,000	618,899	628,016
MET TOWER GLOBAL FUNDING SR SECURED 144A 10/27 4%	360,000	359,805	353,968
METLIFE SECURITIZATION TRUST MST 2019 1A A1A 144A	474,222	482,422	465,392
METROPOLITAN EDISON CO SR UNSECURED 144A 04/28 5.2%	450,000	449,577	452,105
MEXICAN AIR FINANCE V US GOVT GUAR 01/27 2.329%	375,000	374,665	355,894
MHC COMMERCIAL MORTGAGE TRUST MHC 2021 MHC A 144A	741,970	736,732	741,506
MICHIGAN ST FIN AUTH REVENUE MISFIN 07/61 FLOATING VAR	199,556	199,556	199,140
MICROCHIP TECHNOLOGY INC COMPANY GUAR 02/30 5.05%	670,000	669,493	664,797
MICROCHIP TECHNOLOGY INC COMPANY GUAR 03/28 4.9%	500,000	499,505	498,414
MICROCHIP TECHNOLOGY INC COMPANY GUAR 03/29 5.05	880,000	878,226	878,393
MID AMERICA APARTMENTS SR UNSECURED 02/31 1.7%	350,000	348,868	288,368
MID AMERICA APARTMENTS SR UNSECURED 06/28 4.2%	200,000	199,714	195,549
MID AMERICA APARTMENTS SR UNSECURED 09/26 1.1%	377,000	356,414	355,146
MID ATLANTIC INTERSTATE SR UNSECURED 144A 05/28 4.1%	590,000	581,756	572,636
MISSISSIPPI HIGHER EDUCATION A MHEAC 2014 1 A1	495,450	495,450	488,506
MISSOURI HIGHER EDUCATION LOAN MHELA 2021 1 A1B	585,825	585,825	580,347
MISSOURI HIGHER EDUCATION LOAN MHELA 2021 3 A1B	527,760	527,760	521,371
MITSUBISHI UFJ FIN GRP SR UNSECURED 01/28 VAR%	830,000	830,000	789,612
MITSUBISHI UFJ FIN GRP SR UNSECURED 04/28 VAR	540,000	536,015	530,705
MITSUBISHI UFJ FIN GRP SR UNSECURED 07/27 VAR	2,010,000	2,010,000	1,911,594
MMAF EQUIPMENT FINANCE LLC MMAF 2020 A A4 144A	555,000	498,233	517,152
MMAF EQUIPMENT FINANCE LLC MMAF 2021 A A3 144A	534,752	534,696	525,691
MMAF EQUIPMENT FINANCE LLC MMAF 2021 A A4 144A	1,570,000	1,424,460	1,491,567
MMAF EQUIPMENT FINANCE LLC MMAF 2023 A A3 144A	1,750,000	1,749,720	1,779,076
MMAF EQUIPMENT FINANCE LLC MMAF 2024 A A3 144A	1,365,000	1,364,780	1,368,415
MONDELEZ INTL HLDINGS NE COMPANY GUAR 144A 09/26 1.25%	730,000	729,019	687,423
MORGAN STANLEY BAML TRUST MSBAM 2016 C28 A3	321,792	302,375	317,897
MORGAN STANLEY BAML TRUST MSBAM 2016 C31 A4	1,267,678	1,206,909	1,233,079
MORGAN STANLEY BAML TRUST MSBAM 2016 C32 A4	805,000	797,255	782,756
MORGAN STANLEY BAML TRUST MSBAM 2017 C33 A4	1,735,000	1,637,344	1,680,641
MORGAN STANLEY BANK NA SR UNSECURED 01/28 VAR	900,000	900,000	901,217
MORGAN STANLEY BANK NA SR UNSECURED 07/28 VAR	580,000	581,777	581,822
MORGAN STANLEY CAPITAL I TRUST MSC 2018 H3 A5	1,200,000	1,231,868	1,164,810
MORGAN STANLEY SR UNSECURED 01/28 VAR	1,470,000	1,470,039	1,400,731
MORGAN STANLEY SR UNSECURED 01/30 VAR	1,660,000	1,660,000	1,646,717
MORGAN STANLEY SR UNSECURED 04/28 VAR	1,840,000	1,840,000	1,823,428
MORGAN STANLEY SR UNSECURED 04/29 VAR	970,000	970,000	972,650
MORGAN STANLEY SR UNSECURED 04/30 VAR	890,000	890,000	905,893
MORGAN STANLEY SR UNSECURED 05/27 VAR	800,000	751,465	766,874
MORGAN STANLEY SR UNSECURED 07/26 VAR	560,000	560,000	559,418
MORGAN STANLEY SR UNSECURED 07/27 VAR	1,210,000	1,200,568	1,150,119
MORGAN STANLEY SR UNSECURED 07/29 VAR	260,000	260,000	262,882
MORGAN STANLEY SR UNSECURED 10/28 VAR	330,000	330,000	342,181
MOSAIC CO SR UNSECURED 11/27 4.05%	420,000	414,332	411,499
MOTOROLA SOLUTIONS INC SR UNSECURED 04/29 5	230,000	229,551	229,623
MOUNT SAN ANTONIO CA CMNTY CLG MSAHGR 08/29 FIXED 2.569%	580,000	603,436	532,412
MPLX LP SR UNSECURED 02/25 4%	620,000	620,000	619,234
MPLX LP SR UNSECURED 03/26 1.75%	500,000	499,766	482,717
MPLX LP SR UNSECURED 03/27 4.125%	960,000	947,965	945,810
MPLX LP SR UNSECURED 03/28 4%	490,000	489,210	475,333
MPLX LP SR UNSECURED 06/25 4.875%	270,000	270,447	269,817
MPLX LP SR UNSECURED 09/32 4.95%	280,000	278,729	270,102
MUTUAL OF OMAHA GLOBAL SECURED 144A 04/27 5.35	695,000	694,973	700,404
MUTUAL OF OMAHA GLOBAL SECURED 144A 07/26 5.8%	420,000	419,853	425,402
MUTUAL OF OMAHA GLOBAL SECURED 144A 12/28 5.45%	1,250,000	1,249,169	1,263,193

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
MUTUAL OF OMAHA GLOBAL SR SECURED 144A 10/29 4.75%	370,000	369,843	364,274
NATIONAL SECS CLEARING SR UNSECURED 144A 06/29 4.9	1,000,000	998,366	1,001,287
NATURE CONSERVANCY (THE) SR UNSECURED 03/30 3.016%	1,000,000	1,000,000	898,407
NATURE CONSERVANCY (THE) SR UNSECURED 07/25 0.794%	1,200,000	1,200,000	1,176,200
NAVIENT STUDENT LOAN TRUST NAVSL 2020 FA A 144A	662,512	649,972	607,098
NAVIENT STUDENT LOAN TRUST NAVSL 2021 1A A1B 144A	2,266,055	2,266,055	2,245,797
NAVIENT STUDENT LOAN TRUST NAVSL 2021 EA A 144A	870,349	870,171	756,980
NAVIENT STUDENT LOAN TRUST NAVSL 2021 GA A 144A	1,293,613	1,291,770	1,142,552
NAVIENT STUDENT LOAN TRUST NAVSL 2022 A A 144A	590,237	590,226	520,534
NAVIENT STUDENT LOAN TRUST NAVSL 2022 BA A 144A	783,839	783,705	751,873
NAVISTAR FINANCIAL DEALER NOTE NAVMT 2023 1 A 144A	465,000	464,950	469,242
NAVISTAR FINANCIAL DEALER NOTE NAVMT 2024 1 A 144A	160,000	159,981	161,752
NELNET STUDENT LOAN TRUST NSLT 2021 A A1 144A	761,693	762,890	756,401
NELNET STUDENT LOAN TRUST NSLT 2021 A APT1 144A	2,097,978	2,097,645	1,937,964
NELNET STUDENT LOAN TRUST NSLT 2021 BA AFL 144A	493,797	494,493	491,607
NELNET STUDENT LOAN TRUST NSLT 2021 CA AFL 144A	1,006,561	1,005,979	1,000,492
NELNET STUDENT LOAN TRUST NSLT 2021 CA AFX 144A	355,133	355,034	319,777
NELNET STUDENT LOAN TRUST NSLT 2021 DA AFL 144A	1,011,885	1,011,885	1,001,929
NELNET STUDENT LOAN TRUST NSLT 2021 DA AFX 144A	1,805,965	1,805,837	1,660,479
NEW YORK LIFE GLOBAL FDG SR SECURED 144A 06/28 4.9%	660,000	671,354	662,977
NEW YORK ST DORM AUTH ST PERSO NYSHGR 03/26 FIXED 1.187%	1,500,000	1,454,942	1,444,424
NEW YORK ST DORM AUTH ST PERSO NYSHGR 03/30 FIXED 5.5%	1,000,000	1,018,023	1,000,490
NEW YORK ST DORM AUTH ST PERSO NYSHGR 03/39 FIXED 5.628%	110,000	110,959	110,068
NEW YORK ST NYS 02/36 FIXED 3.08%	1,000,000	1,038,857	817,777
NEW YORK ST URBAN DEV CORP SAL NYSFAC 03/31 FIXED 2.15%	750,000	617,153	642,375
NEWMONT / NEWCREST FIN COMPANY GUAR 03/26 5.3%	600,000	599,948	604,193
NEWMONT / NEWCREST FIN COMPANY GUAR 03/34 5.35%	350,000	348,972	348,469
NEXTERA ENERGY CAPITAL COMPANY GUAR 01/27 1.875%	685,000	684,807	647,220
NISSAN AUTO LEASE TRUST NALT 2024 A A3	2,770,000	2,769,822	2,782,900
NISSAN AUTO LEASE TRUST NALT 2024 B A3	1,805,000	1,804,993	1,817,133
NISSAN AUTO RECEIVABLES OWNER NAROT 2023 B A4	1,300,000	1,299,823	1,330,431
NISSAN AUTO RECEIVABLES OWNER NAROT 2024 A A3	1,385,000	1,384,887	1,403,834
NISSAN MASTER OWNER TRUST RECE NMOTR 2024 B A 144A	600,000	599,966	603,861
NNN REIT INC SR UNSECURED 10/27 3.5%	300,000	294,143	289,665
NNN REIT INC SR UNSECURED 10/28 4.3%	960,000	932,760	937,288
NNN REIT INC SR UNSECURED 11/25 4%	310,000	309,154	307,470
NORFOLK SOUTHERN CORP SR UNSECURED 08/25 3.65%	730,000	729,854	725,288
NORFOLK SOUTHERN CORP SR UNSECURED 11/29 2.55%	1,129,000	1,047,895	1,018,823
NORTH DAKOTA ST PUBLIC FIN AUT NDSFIN 12/34 FIXED 2.58%	2,250,000	2,250,000	1,834,387
NORTH TEXAS HIGHER EDUCATION A NTHEA 2021 1 A1B	1,120,553	1,120,553	1,110,513
NORTH TEXAS HIGHER EDUCATION A NTHEA 2021 2 A1B	1,389,872	1,389,872	1,364,665
NORTHROP GRUMMAN CORP SR UNSECURED 01/28 3.25%	620,000	604,299	592,532
NORTHROP GRUMMAN CORP SR UNSECURED 05/30 4.4%	1,000,000	990,107	973,783
NORTHWESTERN MUTUAL GBL SECURED 144A 04/29 3.3%	620,000	619,169	578,634
NTT FINANCE CORP COMPANY GUAR 144A 04/26 1.162%	570,000	570,000	545,774
NTT FINANCE CORP NTT FINANCE CORP	530,000	530,000	534,621
NTT FINANCE CORP SR UNSECURED 144A 07/29 5.11	960,000	960,000	967,182
NUCOR CORP SR UNSECURED 05/25 3.95%	140,000	139,988	139,493
NUTRIEN LTD SR UNSECURED 03/28 4.9%	480,000	479,462	479,821
NUTRIEN LTD SR UNSECURED 04/25 3%	170,000	170,000	169,245
NUTRIEN LTD SR UNSECURED 05/30 2.95%	380,000	379,776	341,900
NUTRIEN LTD SR UNSECURED 06/27 5.2	600,000	599,975	606,119
NUVEEN LLC COMPANY GUAR 144A 11/28 4%	580,000	573,474	562,881
NXP BV/NXP FDG/NXP USA COMPANY GUAR 01/33 5%	270,000	269,369	262,796
NXP BV/NXP FDG/NXP USA COMPANY GUAR 02/32 2.65%	1,240,000	1,237,819	1,043,984
NXP BV/NXP FDG/NXP USA COMPANY GUAR 06/27 4.4%	510,000	509,753	505,077
NY STATE ELECTRIC + GAS SR UNSECURED 144A 08/28 5.65%	1,220,000	1,228,456	1,248,177
OHIO ST HGR EDUCATNL FAC COMMIS OHSHGR 01/32 FIXED 4.723%	800,000	801,248	785,174
OHIO ST HOSP FAC REVENUE OHSMED 01/42 FIXED 3.276%	750,000	815,218	603,132
OHIO ST OHS 08/31 FIXED 1.73%	1,500,000	1,432,400	1,250,180
OHIOHEALTH CORP SECURED 11/31 2.297%	1,500,000	1,459,496	1,257,430

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
OKLAHOMA ST DEV FIN AUTH OKSDEV 05/37 FIXED 3.877	2,546,310	2,478,927	2,432,466
ONCOR ELECTRIC DELIVERY SR SECURED 05/30 2.75%	630,000	581,279	565,526
ONCOR ELECTRIC DELIVERY SR SECURED 09/32 4.55%	1,270,000	1,269,072	1,220,617
ONCOR ELECTRIC DELIVERY SR SECURED 11/28 3.7%	2,085,000	1,993,305	2,005,431
ONE GAS INC SR UNSECURED 04/29 5.1%	1,050,000	1,051,739	1,057,382
ONEOK INC COMPANY GUAR 09/27 4.25%	390,000	389,941	384,322
ONEOK INC COMPANY GUAR 10/29 4.4%	200,000	199,801	193,967
ONEOK INC SR UNSECURED 03/26 5	1,920,000	1,943,447	1,923,093
ONNI COMMERCIAL MORTGAGE TRUST ONNI 2024 APT A 144A	920,000	901,719	923,047
ORACLE CORP SR UNSECURED 03/26 1.65%	700,000	693,930	674,940
ORACLE CORP SR UNSECURED 03/28 2.3%	1,180,000	1,151,867	1,090,868
ORACLE CORP SR UNSECURED 04/25 2.5%	280,000	279,995	278,390
ORACLE CORP SR UNSECURED 04/30 2.95%	2,860,000	2,858,347	2,583,295
ORACLE CORP SR UNSECURED 11/29 6.15%	210,000	209,853	220,250
OREGON ST ORS 06/27 FIXED 5.892%	1,181,931	1,274,247	1,211,425
ORLANDO HEALTH OBL GRP UNSECURED 10/28 3.777%	1,200,000	1,198,157	1,149,404
PACIFIC LIFE GF II SECURED 144A 07/28 5.5%	1,680,000	1,689,381	1,709,357
PACIFICORP 1ST MORTGAGE 07/25 3.35%	830,000	823,062	823,649
PACKAGING CORP OF AMERIC SR UNSECURED 12/27 3.4%	310,000	298,208	298,616
PEACEHEALTH OBLIGATED GR SR UNSECURED 11/25 1.375%	890,000	890,714	862,399
PENNSYLVANIA ELECTRIC CO SR UNSECURED 144A 03/26 5.15%	410,000	407,430	411,056
PENNSYLVANIA HIGHER EDUCATION PHEAA 2014 2A A 144A	1,065,902	1,063,596	1,060,553
PENTA AIRCRAFT LEASING 2 US GOVT GUAR 04/25 1.691%	311,168	311,575	309,066
PENTA AIRCRAFT LEASING 2 US GOVT GUAR 11/25 2.646%	158,882	160,340	156,955
PETROLEOS MEXICANOS US GOVT GUAR 04/25 2.378%	150,000	150,000	147,687
PFS FINANCING CORP. PFSFC 2023 C A 144A	970,000	969,895	981,675
PFS FINANCING CORP. PFSFC 2024 B A 144A	1,255,000	1,254,949	1,260,219
PFS FINANCING CORP. PFSFC 2024 F A 144A	310,000	309,970	309,596
PHILLIPS 66 CO COMPANY GUAR 06/31 5.25	820,000	826,113	822,498
PHILLIPS 66 COMPANY GUAR 03/28 3.9%	600,000	588,944	581,699
PHILLIPS 66 COMPANY GUAR 04/25 3.85%	385,000	386,433	383,924
PIONEER NATURAL RESOURCE SR UNSECURED 01/31 2.15%	650,000	559,754	551,818
PIONEER NATURAL RESOURCE SR UNSECURED 08/30 1.9%	500,000	427,279	425,960
PNC BANK NA SUBORDINATED 10/29 2.7%	1,150,000	1,032,191	1,031,710
PNC FINANCIAL SERVICES SR UNSECURED 01/28 VAR	250,000	250,000	252,122
PNC FINANCIAL SERVICES SR UNSECURED 06/26 VAR	360,000	360,000	361,530
PNC FINANCIAL SERVICES SR UNSECURED 07/27 VAR	460,000	460,000	462,313
PNC FINANCIAL SERVICES SR UNSECURED 10/27 VAR	320,000	320,072	329,652
PNC FINANCIAL SERVICES SR UNSECURED 12/28 VAR	790,000	790,000	801,178
PORSCHE FINANCIAL AUTO SECURIT PFAST 2023 2A A3 144A	1,340,000	1,339,932	1,351,386
PPG INDUSTRIES INC SR UNSECURED 06/30 2.55%	640,000	637,672	564,657
PPL ELECTRIC UTILITIES 1ST MORTGAGE 05/33 5%	1,460,000	1,447,283	1,442,357
PRES + FELLOWS OF HARVAR SR UNSECURED 10/31 3.529%	580,000	615,802	535,060
PRINCIPAL LFE GLB FND II SECURED 144A 08/27 4.6%	720,000	723,656	717,860
PRINCIPAL LFE GLB FND II SR SECURED 144A 01/29 5.1	890,000	888,712	891,944
PRINCIPAL LFE GLB FND II SR SECURED 144A 04/26 3	400,000	389,249	391,351
PROTECTIVE LIFE GLOBAL SECURED 144A 07/27 4.714%	310,000	310,000	309,532
PROTECTIVE LIFE GLOBAL SECURED 144A 09/26 1.303%	600,000	561,170	566,077
PROTECTIVE LIFE GLOBAL SECURED 144A 09/27 4.335%	1,570,000	1,574,384	1,555,144
PROTECTIVE LIFE GLOBAL SECURED 144A 12/28 5.467%	530,000	532,286	538,687
PROV ST JOSEPH HLTH OBL UNSECURED 10/26 2.746%	500,000	495,406	482,309
PUB SVC NEW HAMP 1ST MORTGAGE 06/31 2.2%	670,000	568,674	563,633
PUB SVC NEW HAMP 1ST MORTGAGE 10/33 5.35	280,000	281,919	282,887
PUBLIC SERVICE ELECTRIC 1ST MORTGAGE 08/31 1.9%	1,780,000	1,691,363	1,466,550
PUBLIC SERVICE ELECTRIC 1ST MORTGAGE 09/28 3.65%	490,000	482,490	471,288
PUBLIC SERVICE NEW HAMPSHIRE F PSNH 2018 1 A2	602,613	602,604	596,113
PUGET SOUND ENERGY INC SR SECURED 06/34 5.33	700,000	699,998	695,850
REALTY INCOME CORP SR UNSECURED 01/27 3%	400,000	402,608	386,897
REALTY INCOME CORP SR UNSECURED 03/30 4.85%	360,000	356,773	357,692
REALTY INCOME CORP SR UNSECURED 10/26 4.125%	430,000	430,320	425,895
REGIONS FINANCIAL CORP SR UNSECURED 08/28 1.8%	1,110,000	1,108,493	988,626

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
RELIANCE INDUSTRIES LTD US GOVT GUAR 01/26 1.87%	503,684	503,684	495,855
RELIANCE INDUSTRIES LTD US GOVT GUAR 01/26 2.444%	420,000	424,147	414,830
RELIANCE INDUSTRIES LTD US GOVT GUAR 01/26 2.512%	287,250	290,213	282,842
REVVITY INC SR UNSECURED 09/28 1.9%	1,010,000	1,009,605	904,049
REXFORD INDUSTRIAL REALT COMPANY GUAR 06/28 5	760,000	754,647	757,102
RIMON LLC US GOVT GUAR 06/26 2.623%	386,830	392,415	379,050
ROCC TRUST ROCC 2024 CNTR A 144A	1,370,000	1,373,342	1,366,016
ROCHESTER GAS + ELECTRIC 1ST MORTGAGE 144A 06/27 3.1%	2,320,000	2,314,025	2,219,090
ROGERS COMMUNICATIONS IN COMPANY GUAR 02/29 5	830,000	828,015	824,627
ROGERS COMMUNICATIONS IN COMPANY GUAR 03/25 2.95%	270,000	269,989	268,518
ROGERS COMMUNICATIONS IN COMPANY GUAR 03/27 3.2%	650,000	631,463	627,787
ROGERS COMMUNICATIONS IN COMPANY GUAR 03/32 3.8%	990,000	987,937	890,205
ROGERS COMMUNICATIONS IN COMPANY GUAR 12/25 3.625%	450,000	451,321	444,838
ROLLS ROYCE PLC COMPANY GUAR 144A 10/25 3.625%	450,000	449,959	441,078
ROPER TECHNOLOGIES INC SR UNSECURED 09/29 2.95%	500,000	488,133	456,755
ROPER TECHNOLOGIES INC SR UNSECURED 10/29 4.5%	290,000	288,786	284,711
ROPER TECHNOLOGIES INC SR UNSECURED 12/26 3.8%	660,000	649,764	649,752
ROYAL BANK OF CANADA SR UNSECURED 02/29 4.95	830,000	829,393	829,861
ROYAL BANK OF CANADA SR UNSECURED 05/27 3.625%	610,000	594,703	596,019
ROYAL BANK OF CANADA SR UNSECURED 07/27 VAR	30,000	30,000	30,136
ROYAL BANK OF CANADA SR UNSECURED 08/30 VAR	610,000	610,000	605,261
ROYAL BANK OF CANADA SR UNSECURED 10/28 VAR	630,000	630,000	624,703
ROYAL BANK OF CANADA SR UNSECURED 10/30 VAR	790,000	790,000	773,641
ROYAL BANK OF CANADA SR UNSECURED 11/27 6	550,000	562,541	568,046
RTX CORP SR UNSECURED 01/29 5.75%	1,020,000	1,019,734	1,052,932
RTX CORP SR UNSECURED 03/31 6%	720,000	719,638	755,799
RTX CORP SR UNSECURED 05/27 3.125%	1,030,000	995,409	993,993
RTX CORP SR UNSECURED 07/30 2.25%	680,000	679,507	591,460
RTX CORP SR UNSECURED 11/26 5.75%	510,000	509,708	518,991
RTX CORP SR UNSECURED 11/28 4.125%	890,000	967,209	866,174
RUSH OBLIGATED GROUP UNSECURED 11/29 3.922%	505,000	505,000	484,199
RYDER SYSTEM INC SR UNSECURED 03/27 5.3	240,000	239,812	242,616
RYDER SYSTEM INC SR UNSECURED 09/26 1.75%	590,000	589,743	561,081
SABINE PASS LIQUEFACTION SR SECURED 03/28 4.2%	300,000	299,306	292,881
SABINE PASS LIQUEFACTION SR SECURED 05/30 4.5%	1,410,000	1,439,614	1,365,809
SABINE PASS LIQUEFACTION SR SECURED 06/26 5.875%	310,000	316,444	312,920
SAN FRANCISCO CA CITY CNTY SFO 06/28 FIXED 1.555%	200,000	200,275	180,362
SANTA MONICA CA CMNTY CLG DIST SMCHGR 08/30 FIXED 1.696%	1,000,000	845,118	854,504
SANTANDER DRIVE AUTO RECEIVABL SDART 2022 7 A3	63,004	63,001	63,055
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 5 A3	1,075,000	1,074,874	1,086,329
SBNA AUTO LEASE TRUST SBALT 2024 B A3 144A	935,000	934,887	946,621
SBNA AUTO LEASE TRUST SBALT 2024 C A3 144A	575,000	574,954	574,752
SDR COMMERCIAL MORTGAGE TRUST SDR 2024 DSNY A 144A	1,770,000	1,765,725	1,769,447
SEALED AIR CORP SR SECURED 144A 10/26 1.573%	530,000	530,000	498,494
SEATTLE WA DRAIN WSTWTR REVE SEAUTL 11/39 FIXED OID 5.55%	1,250,000	1,244,162	1,243,861
SEMPRA SR UNSECURED 04/25 3.3%	540,000	539,919	537,882
SFS AUTO RECEIVABLES SECURITIZ SFAST 2023 1A A3 144A	2,320,000	2,319,827	2,340,710
SFS AUTO RECEIVABLES SECURITIZ SFAST 2024 1A A3 144A	1,360,000	1,359,928	1,365,132
SFS AUTO RECEIVABLES SECURITIZ SFAST 2024 2A A3 144A	1,290,000	1,289,795	1,302,647
SHERWIN WILLIAMS CO SR UNSECURED 05/30 2.3%	1,210,000	1,209,868	1,056,750
SHERWIN WILLIAMS CO SR UNSECURED 06/27 3.45%	1,300,000	1,254,354	1,263,965
SHERWIN WILLIAMS CO SR UNSECURED 08/29 2.95%	120,000	123,235	110,158
SHR TRUST SHR 2024 LXRY A 144A	1,480,000	1,480,000	1,490,630
SIMON PROPERTY GROUP LP SR UNSECURED 01/26 3.3%	380,000	374,674	375,126
SLM STUDENT LOAN TRUST SLMA 2003 10A A4 144A	2,928,279	2,929,996	2,923,416
SLM STUDENT LOAN TRUST SLMA 2010 1 A	116,254	116,252	113,316
SLM STUDENT LOAN TRUST SLMA 2013 5 A3	1,243,815	1,246,348	1,233,983
SMALL BUSINESS ADMINISTRATION SBAP 2006 20A 1	5,986	5,986	5,980
SMALL BUSINESS ADMINISTRATION SBAP 2006 20D 1	18,646	18,861	18,676
SMALL BUSINESS ADMINISTRATION SBAP 2006 20K 1	20,254	20,269	20,250
SMALL BUSINESS ADMINISTRATION SBAP 2007 20E 1	11,269	11,275	10,981

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
SMALL BUSINESS ADMINISTRATION SBAP 2008 20F 1	77,133	76,823	77,606
SMALL BUSINESS ADMINISTRATION SBAP 2008 20J 1	156,349	156,349	156,662
SMALL BUSINESS ADMINISTRATION SBAP 2008 20K 1	68,722	31,485	70,727
SMALL BUSINESS ADMINISTRATION SBAP 2008 20L 1	106,414	107,823	107,368
SMALL BUSINESS ADMINISTRATION SBAP 2009 20A 1	199,772	203,367	200,855
SMALL BUSINESS ADMINISTRATION SBAP 2013 20J 1	715,455	729,624	677,661
SMALL BUSINESS ADMINISTRATION SBAP 2014 20B 1	515,849	515,849	486,318
SMALL BUSINESS ADMINISTRATION SBAP 2014 20C 1	493,103	493,103	462,414
SMALL BUSINESS ADMINISTRATION SBAP 2015 20E 1	707,122	707,122	647,471
SMALL BUSINESS ADMINISTRATION SBAP 2015 20F 1	882,527	882,527	817,891
SMALL BUSINESS ADMINISTRATION SBAP 2017 20F 1	811,750	811,750	725,786
SMALL BUSINESS ADMINISTRATION SBAP 2017 20G 1	938,518	938,518	860,871
SMALL BUSINESS ADMINISTRATION SBAP 2018 20G 1	1,626,565	1,626,565	1,518,539
SMALL BUSINESS ADMINISTRATION SBAP 2022 25E 1	4,732,299	4,732,299	4,352,024
SMALL BUSINESS ADMINISTRATION SBAP 2022 25H 1	4,862,744	4,862,744	4,418,942
SMALL BUSINESS ADMINISTRATION SBAP 2022 25J 1	2,131,706	2,131,706	2,089,063
SMALL BUSINESS ADMINISTRATION SBAP 2022 25K 1	2,509,764	2,509,764	2,463,785
SMALL BUSINESS ADMINISTRATION SBAP 2022 25L 1	3,501,909	3,501,909	3,390,198
SMALL BUSINESS ADMINISTRATION SBAP 2023 25A 1	870,532	870,532	851,399
SMALL BUSINESS ADMINISTRATION SBAP 2023 25D 1	1,815,933	1,815,933	1,741,768
SMALL BUSINESS ADMINISTRATION SBAP 2023 25G 1	2,431,331	2,431,331	2,474,506
SMALL BUSINESS ADMINISTRATION SBAP 2023 25L 1	2,142,235	2,142,235	2,122,868
SMALL BUSINESS ADMINISTRATION SBAP 2024 25D 1	2,153,807	2,153,807	2,152,300
SMALL BUSINESS ADMINISTRATION SBIC 2015 10A 1	346,534	346,534	343,414
SMALL BUSINESS ADMINISTRATION SBIC 2015 10B 1	443,921	443,921	436,358
SMALL BUSINESS ADMINISTRATION SBIC 2017 10A 1	1,981,549	1,981,549	1,916,743
SMALL BUSINESS ADMINISTRATION SBIC 2017 10B 1	1,036,571	1,036,571	986,206
SMALL BUSINESS ADMINISTRATION SBIC 2018 10B 1	1,611,201	1,611,201	1,550,744
SMALL BUSINESS ADMINISTRATION SBIC 2019 10A 1	1,036,507	1,036,507	984,085
SMALL BUSINESS ADMINISTRATION SBIC 2020 10A 1	2,509,055	2,509,055	2,263,069
SMALL BUSINESS ADMINISTRATION SBIC 2020 10B 1	3,121,480	3,121,480	2,678,500
SMALL BUSINESS ADMINISTRATION SBIC 2021 10A 1	1,766,138	1,766,138	1,550,213
SMALL BUSINESS ADMINISTRATION SBIC 2021 10B 1	3,336,532	3,336,532	2,856,938
SMALL BUSINESS ADMINISTRATION SBIC 2022 10A 1	10,937,361	10,937,361	10,214,192
SMALL BUSINESS ADMINISTRATION SBIC 2023 10A 1	6,072,319	6,072,319	6,072,860
SMALL BUSINESS ADMINISTRATION SBIC 2023 10B 1	8,913,752	8,913,752	8,999,882
SMURFIT KAPPA TREASURY COMPANY GUAR 144A 01/30 5.2	550,000	549,455	551,878
SOUTH CAROLINA ST STUDENT LOAN SCSHGR 01/41 FLOATING VAR	329,852	329,536	328,021
SOUTH DAKOTA ST BLDG AUTH REVE SDSFAC 06/32 FIXED 1.912%	500,000	501,800	410,433
SOUTH DAKOTA ST HSG DEV AUTH SDSHSG 05/54 FIXED 6.009%	2,455,000	2,521,171	2,419,368
SOUTH32 TREASURY LTD COMPANY GUAR 144A 04/32 4.35%	1,960,000	1,952,139	1,795,916
SOUTHERN CO GAS CAPITAL COMPANY GUAR 11/25 3.875%	140,000	138,864	138,713
SPIRE MISSOURI INC 1ST MORTGAGE 08/34 5.15%	80,000	79,736	79,399
STANFORD HEALTH CARE UNSECURED 08/30 3.31%	1,245,000	1,300,943	1,146,008
STANFORD UNIVERSITY UNSECURED 05/29 3.089%	1,450,000	1,354,567	1,370,542
STANFORD UNIVERSITY UNSECURED 06/27 1.289%	685,000	685,000	631,039
STANLEY BLACK + DECKER I SR UNSECURED 02/25 2.3%	470,000	469,968	468,198
STARBUCKS CORP SR UNSECURED 03/30 2.25%	160,000	155,057	140,314
STATE STREET CORP SR UNSECURED 02/26 VAR	700,000	700,000	697,714
STATE STREET CORP SR UNSECURED 02/28 VAR	650,000	650,000	617,684
STATE STREET CORP SR UNSECURED 02/29 VAR	560,000	560,000	553,673
STATE STREET CORP SR UNSECURED 05/33 VAR	380,000	380,000	361,978
STATE STREET CORP SR UNSECURED 11/29 VAR	910,000	910,000	935,248
SUMITOMO MITSUI FINL GRP SR UNSECURED 09/26 1.402%	960,000	960,000	907,799
SUMITOMO MITSUI FINL GRP SR UNSECURED 09/28 1.902%	1,700,000	1,700,000	1,522,988
SUMITOMO MITSUI FINL GRP SR UNSECURED 09/28 5.716%	660,000	660,000	675,939
SUTTER HEALTH UNSECURED 08/25 1.321%	590,000	590,000	576,992
SYNCHRONY CARD ISSUANCE TRUST SYNIT 2024 A1 A	2,065,000	2,064,718	2,081,063
SYNCHRONY CARD ISSUANCE TRUST SYNIT 2024 A2 A	1,475,000	1,474,666	1,484,347
T MOBILE USA INC COMPANY GUAR 02/26 2.25%	80,000	77,747	77,702
T MOBILE USA INC COMPANY GUAR 03/29 2.4%	770,000	769,711	693,502

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
T MOBILE USA INC COMPANY GUAR 04/26 2.625%	160,000	155,523	155,922
T MOBILE USA INC COMPANY GUAR 04/29 3.375%	300,000	281,672	280,008
T MOBILE USA INC COMPANY GUAR 04/30 3.875%	960,000	910,984	903,223
T MOBILE USA INC COMPANY GUAR 07/28 4.8%	490,000	489,289	487,281
T MOBILE USA INC COMPANY GUAR 10/29 4.2%	520,000	518,982	503,441
TAKE TWO INTERACTIVE SOF SR UNSECURED 03/26 5%	325,000	324,926	325,836
TAKE TWO INTERACTIVE SOF SR UNSECURED 03/28 4.95	720,000	712,007	719,857
TAKE TWO INTERACTIVE SOF SR UNSECURED 04/25 3.55%	100,000	99,996	99,634
TAKE TWO INTERACTIVE SOF SR UNSECURED 04/27 3.7%	400,000	399,990	390,284
TAKE TWO INTERACTIVE SOF SR UNSECURED 06/29 5.4	605,000	605,380	613,221
TAMPA ELECTRIC CO SR UNSECURED 03/29 4.9	750,000	749,600	749,469
TAUBMAN CENTERS COMMERCIAL MOR TCO 2024 DPM A 144A	2,145,000	2,139,648	2,143,659
TEMPE AZ UNION HIGH SCH DIST TEMSCD 07/31 FIXED 1.714%	500,000	501,642	418,666
TESLA AUTO LEASE TRUST TESLA 2024 A A3 144A	770,000	769,925	774,483
TESLA ELECTRIC VEHICLE TRUST TEVT 2023 1 A3 144A	1,225,000	1,224,932	1,236,700
TEXAS ELECTRIC MKT STABL SR SECURED 144A 08/36 4.265%	1,973,899	1,974,843	1,909,000
TEXAS NATURAL GAS SECURITIZTN TNGUTL 04/35 FIXED 5.102	2,525,818	2,579,987	2,531,118
TEXAS ST TRANSPRTN COMMISSIONS TXSTRN 04/30 FIXED 5.178%	1,000,000	1,082,100	1,009,418
TEXAS ST TXS 04/33 FIXED 4.631%	1,780,000	1,912,398	1,744,715
TEXAS ST TXS 10/29 FIXED 4%	1,425,000	1,422,308	1,394,640
TORONTO DOMINION BANK SR UNSECURED 03/27 2.8%	1,200,000	1,167,815	1,151,160
TORONTO DOMINION BANK SR UNSECURED 04/27 4.98	560,000	560,000	561,934
TORONTO DOMINION BANK SR UNSECURED 04/29 4.994	650,000	650,000	648,648
TORONTO DOMINION BANK SR UNSECURED 07/28 5.523%	1,020,000	1,022,374	1,036,610
TORONTO DOMINION BANK SR UNSECURED 09/27 4.693%	490,000	490,000	488,909
TOWD POINT MORTGAGE TRUST TPMT 2017 6 A1 144A	344,018	344,899	335,914
TOWD POINT MORTGAGE TRUST TPMT 2018 3 A1 144A	467,515	467,615	455,269
TOWD POINT MORTGAGE TRUST TPMT 2019 4 A1 144A	1,558,198	1,568,344	1,482,271
TOWD POINT MORTGAGE TRUST TPMT 2019 HY3 A1A 144A	324,754	325,139	331,847
TOWD POINT MORTGAGE TRUST TPMT 2021 1 A1 144A	1,040,346	1,056,927	956,977
TOWD POINT MORTGAGE TRUST TPMT 2022 1 A1 144A	1,871,849	1,795,813	1,753,311
TOWD POINT MORTGAGE TRUST TPMT 2022 4 A1 144A	1,661,930	1,578,598	1,560,494
TOYOTA AUTO LOAN EXTENDED NOTE TALNT 2021 1A A 144A	2,325,000	2,219,429	2,235,861
TOYOTA AUTO LOAN EXTENDED NOTE TALNT 2022 1A A 144A	3,925,000	3,923,661	3,856,618
TOYOTA AUTO LOAN EXTENDED NOTE TALNT 2023 1A A 144A	2,780,000	2,779,350	2,803,511
TOYOTA AUTO LOAN EXTENDED NOTE TALNT 2024 1A A 144A	3,260,000	3,259,029	3,310,180
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 B A3	1,205,000	1,204,851	1,221,374
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 C A3	785,000	785,000	790,393
TOYOTA LEASE OWNER TRUST TLOT 2024 A A3 144A	2,105,000	2,104,934	2,121,687
TOYOTA LEASE OWNER TRUST TLOT 2024 B A3 144A	1,540,000	1,539,837	1,531,052
TOYOTA MOTOR CREDIT CORP SR UNSECURED 03/31 5.1	630,000	629,835	631,939
TOYOTA MOTOR CREDIT CORP SR UNSECURED 08/29 4.55%	130,000	129,755	128,461
TRANE TECH FIN LTD COMPANY GUAR 03/26 3.5%	600,000	587,423	591,641
TRANSCONT GAS PIPE LINE SR UNSECURED 03/28 4%	1,480,000	1,499,574	1,437,959
TRUIST BANK SUBORDINATED 03/30 2.25%	500,000	433,089	429,308
TRUIST BANK SUBORDINATED 09/25 3.625%	920,000	918,893	912,752
TRUIST BANK SUBORDINATED 10/26 3.8%	700,000	680,135	686,935
TRUIST FINANCIAL CORP SR UNSECURED 01/29 VAR	810,000	810,000	805,939
TRUIST FINANCIAL CORP SR UNSECURED 01/30 VAR	1,170,000	1,170,000	1,180,164
TRUIST FINANCIAL CORP SR UNSECURED 07/26 VAR	770,000	770,004	766,971
TSMC ARIZONA CORP COMPANY GUAR 10/26 1.75%	530,000	529,953	502,178
TSMC GLOBAL LTD COMPANY GUAR 144A 04/26 1.25%	300,000	288,085	286,701
U.S. TREASURY N/B 02/33 3.5%	10,890,000	10,901,693	10,131,528
U.S. TREASURY N/B 05/33 3.375%	4,390,000	4,287,873	4,034,684
U.S. TREASURY N/B 08/33 3.875%	4,650,000	4,574,566	4,426,037
U.S. TREASURY N/B 09/28 4.625%	3,050,000	3,049,644	3,078,117
U.S. TREASURY N/B 10/28 4.875%	13,000,000	13,128,270	13,232,070
U.S. TREASURY N/B 11/28 4.375%	4,265,000	4,290,006	4,266,166
U.S. TREASURY N/B 11/33 4.5%	7,000,000	7,214,321	6,969,375
UBS COMMERCIAL MORTGAGE TRUST UBSCM 2017 C3 A3	1,365,000	1,290,968	1,324,962
UBS COMMERCIAL MORTGAGE TRUST UBSCM 2018 C10 A4	1,650,000	1,770,204	1,599,670

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
UBS GROUP AG SR UNSECURED 144A 01/27 VAR	710,000	710,000	682,780
UBS GROUP AG SR UNSECURED 144A 01/29 VAR	420,000	420,000	404,333
UBS GROUP AG SR UNSECURED 144A 02/33 VAR	360,000	360,000	300,617
UBS GROUP AG SR UNSECURED 144A 03/28 4.253%	600,000	589,134	583,101
UBS GROUP AG SR UNSECURED 144A 05/26 VAR	360,000	360,000	359,163
UBS GROUP AG SR UNSECURED 144A 05/28 4.751%	350,000	350,000	347,779
UBS GROUP AG SR UNSECURED 144A 08/27 4.703%	830,000	830,000	826,296
UBS GROUP AG SR UNSECURED 144A 08/27 VAR	1,510,000	1,510,000	1,428,626
UBS GROUP AG SR UNSECURED 144A 12/27 VAR	350,000	350,000	359,185
UDR INC COMPANY GUAR 01/28 3.5%	1,170,000	1,200,475	1,119,541
UDR INC COMPANY GUAR 01/30 3.2%	700,000	634,129	640,895
UDR INC COMPANY GUAR 09/26 2.95%	560,000	545,083	542,950
UNION ELECTRIC CO 1ST MORTGAGE 03/29 3.5%	275,000	254,473	261,156
UNION ELECTRIC CO 1ST MORTGAGE 03/30 2.95%	700,000	644,536	637,238
UNION ELECTRIC CO SR SECURED 06/27 2.95	770,000	742,752	739,878
UNITEDHEALTH GROUP INC SR UNSECURED 01/30 4.8%	770,000	769,580	766,905
UNIV OF COLORADO CO ENTERPRISE UCOHGR 06/29 FIXED 1.613%	5,000	4,537	4,379
US BANCORP SR UNSECURED 01/28 VAR	1,325,000	1,325,000	1,256,165
US BANCORP SR UNSECURED 01/30 VAR	1,150,000	1,150,000	1,159,973
US BANCORP SR UNSECURED 07/28 VAR	1,790,000	1,790,000	1,775,167
US BANCORP SR UNSECURED 10/33 VAR	120,000	120,000	122,691
US TREASURY N/B 05/34 4.375	12,255,000	12,254,605	12,069,260
US TREASURY N/B 06/27 4.625	3,975,000	3,988,596	4,007,918
US TREASURY N/B 08/29 3.625%	3,885,000	3,875,329	3,761,166
US TREASURY N/B 08/34 3.875%	4,465,000	4,482,827	4,222,913
US TREASURY N/B 09/27 3.375%	6,845,000	6,810,820	6,688,314
US TREASURY N/B 10/27 3.875%	8,895,000	8,846,434	8,800,491
US TREASURY N/B 10/29 4.125%	6,200,000	6,173,640	6,127,828
US TREASURY N/B 11/27 4.125%	31,280,000	31,266,999	31,138,263
US TREASURY N/B 11/34 4.25%	4,965,000	4,974,505	4,836,996
US TREASURY N/B 12/27 4%	2,910,000	2,892,621	2,887,266
US TREASURY N/B 12/29 4.375%	4,180,000	4,180,177	4,177,388
US TREASURY N/B 4.00% due 01/31/29	4,340,000	4,293,093	4,279,986
US TREASURY N/B 4.00% due 02/15/34	10,985,000	10,668,246	10,518,567
US TREASURY N/B 4.13% due 02/15/27	4,185,000	4,167,667	4,173,230
US TREASURY N/B 4.13% due 03/31/29	4,315,000	4,274,165	4,272,019
US TREASURY N/B 4.25% due 02/28/29	8,595,000	8,576,368	8,553,704
US TREASURY N/B 4.25% due 03/15/27	11,875,000	11,836,399	11,870,825
US TREASURY N/B 4.50% due 04/15/27	12,315,000	12,249,324	12,375,613
US TREASURY N/B 4.50% due 05/15/27	18,740,000	18,662,411	18,831,504
US TREASURY N/B 4.63% due 04/30/29	4,225,000	4,259,924	4,264,939
USAA AUTO OWNER TRUST USAOT 2024 A A3 144A	985,000	984,832	992,640
USAA CAPITAL CORP SR UNSECURED 144A 05/30 2.125%	150,000	149,759	129,903
UTAH ST UTS 07/25 FIXED 3.539%	196,817	197,987	196,102
VENTAS REALTY LP COMPANY GUAR 01/25 2.65%	280,000	279,990	279,552
VENTAS REALTY LP COMPANY GUAR 01/29 4.4%	1,500,000	1,499,717	1,459,943
VENTAS REALTY LP COMPANY GUAR 02/25 3.5%	280,000	280,000	279,516
VENTAS REALTY LP COMPANY GUAR 04/27 3.85%	280,000	276,336	273,427
VERIZON COMMUNICATIONS SR UNSECURED 01/31 1.75%	1,100,000	910,022	906,651
VERIZON COMMUNICATIONS SR UNSECURED 03/28 2.1%	1,935,000	1,867,018	1,779,867
VERIZON MASTER TRUST VZMT 2023 4 A1A	2,015,000	2,014,830	2,028,929
VERIZON MASTER TRUST VZMT 2023 7 A1A	1,435,000	1,434,854	1,457,423
VERIZON MASTER TRUST VZMT 2024 3 A1A	3,130,000	3,129,382	3,172,769
VERIZON MASTER TRUST VZMT 2024 6 A1A	2,420,000	2,419,400	2,382,668
VERMONT ST STUDENT ASSISTANCEC VTSHGR 04/35 FLOATING VAR	112,552	112,552	112,078
VIRGINIA POWER FUEL SEC SR SECURED 05/33 4.877%	1,505,000	1,505,052	1,503,784
VOLKSWAGEN AUTO LEASE TRUST VWALT 2024 A A3	1,435,000	1,434,907	1,448,437
VOLKSWAGEN AUTO LOAN ENHANCED VALET 2023 1 A3	1,845,000	1,844,680	1,855,631
VOLKSWAGEN AUTO LOAN ENHANCED VALET 2023 2 A3	2,475,000	2,474,803	2,515,280
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 05/25 3.35%	330,000	332,150	328,104
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 06/27 4.35%	780,000	779,716	764,105

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 08/27 4.85%	250,000	249,963	247,376
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 09/26 5.7%	620,000	619,841	625,364
VOLKSWAGEN GROUP AMERICA COMPANY GUAR 144A 09/28 5.65%	1,230,000	1,228,871	1,235,586
VOLVO FINANCIAL EQUIPMENT LLC VFET 2024 1A A3 144A	1,130,000	1,129,828	1,118,364
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/25 3.638%	390,000	390,000	388,684
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/27 3.755%	840,000	840,000	809,241
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/32 4.279%	2,430,000	2,430,000	2,142,030
WASHINGTON AIRCRAFT 1 CO US GOVT GUAR 09/26 2.637%	508,605	517,477	496,708
WASHINGTON CNTY OR SCH DIST 1 WASSCD 06/26 FIXED 5.909%	1,695,000	1,774,733	1,732,671
WASTE MANAGEMENT INC COMPANY GUAR 03/28 4.5%	770,000	768,375	765,293
WEC ENERGY GROUP INC SR UNSECURED 06/25 3.55%	362,000	365,127	359,469
WEC ENERGY GROUP INC SR UNSECURED 09/26 5.6%	155,000	154,986	156,973
WEC ENERGY GROUP INC SR UNSECURED 10/27 1.375%	360,000	333,896	328,625
WEC ENERGY GROUP INC SR UNSECURED 10/27 5.15%	990,000	988,822	1,000,262
WEC ENERGY GROUP INC SR UNSECURED 12/28 2.2%	460,000	459,359	414,833
WELLS FARGO + COMPANY SR UNSECURED 01/30 VAR	1,380,000	1,380,000	1,383,066
WELLS FARGO + COMPANY SR UNSECURED 03/28 VAR	3,350,000	3,350,000	3,248,696
WELLS FARGO + COMPANY SR UNSECURED 03/33 VAR	2,460,000	2,460,000	2,157,040
WELLS FARGO + COMPANY SR UNSECURED 04/26 VAR	460,000	460,000	458,591
WELLS FARGO + COMPANY SR UNSECURED 04/28 VAR	280,000	280,000	284,643
WELLS FARGO + COMPANY SR UNSECURED 05/28 VAR	190,000	180,513	184,135
WELLS FARGO + COMPANY SR UNSECURED 07/28 VAR	1,920,000	1,920,000	1,913,090
WELLS FARGO + COMPANY SR UNSECURED 07/29 VAR	660,000	660,000	670,187
WELLS FARGO + COMPANY SR UNSECURED 08/26 VAR	530,000	530,000	528,937
WELLS FARGO CARD ISSUANCE TRUS WFCIT 2024 A1 A	1,120,000	1,119,745	1,130,563
WELLS FARGO CARD ISSUANCE TRUS WFCIT 2024 A2 A	1,505,000	1,504,784	1,494,621
WELLS FARGO COMMERCIAL MORTGAG WFCM 2015 C28 A4	1,350,000	1,353,200	1,342,320
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 LC24 A3	1,124,075	1,057,208	1,091,803
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 LC24 A4	1,585,000	1,601,996	1,533,422
WELLS FARGO COMMERCIAL MORTGAG WFCM 2016 NXS6 A3	1,230,000	1,173,753	1,199,779
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 C38 A4	944,228	907,897	907,234
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 C39 A4	3,215,000	3,088,499	3,059,489
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 RB1 A5	1,515,000	1,497,038	1,449,191
WELLS FARGO COMMERCIAL MORTGAG WFCM 2018 C43 A4	1,180,000	1,176,489	1,139,208
WELLTOWER OP LLC COMPANY GUAR 01/29 2.05%	390,000	389,385	348,760
WELLTOWER OP LLC COMPANY GUAR 03/29 4.125%	1,030,000	1,027,871	995,975
WELLTOWER OP LLC COMPANY GUAR 04/28 4.25%	825,000	815,462	807,619
WEYERHAEUSER CO SR UNSECURED 04/30 4%	850,000	790,260	805,382
WEYERHAEUSER CO SR UNSECURED 05/26 4.75%	840,000	838,692	840,172
WHEELS FLEET LEASE FUNDING LLC WFLF 2023 1A A 144A	1,938,591	1,938,511	1,950,748
WHEELS FLEET LEASE FUNDING LLC WFLF 2024 1A A1 144A	1,490,000	1,489,897	1,506,957
WILLIAMS COMPANIES INC SR UNSECURED 03/26 5.4%	710,000	710,069	714,842
WILLIAMS COMPANIES INC SR UNSECURED 03/29 4.9	570,000	569,274	565,791
WILLIAMS COMPANIES INC SR UNSECURED 03/33 5.65%	500,000	499,545	504,561
WILLIAMS COMPANIES INC SR UNSECURED 08/28 5.3%	900,000	899,239	908,519
WISCONSIN POWER + LIGHT SR UNSECURED 03/34 5.375	500,000	499,129	497,922
WISCONSIN POWER + LIGHT SR UNSECURED 09/32 3.95%	500,000	495,305	462,101
WISCONSIN POWER + LIGHT SR UNSECURED 10/27 3.05%	300,000	285,462	287,126
WMRK COMMERCIAL MORTGAGE TRUST WMRK 2022 WMRK A 144A	950,000	945,770	959,179
WORCESTER MA WOR 01/28 FIXED OID 6.25%	640,000	680,470	656,019
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 C A3	1,480,000	1,479,859	1,490,527
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 D A3	1,800,000	1,799,764	1,831,582
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 B A3	1,030,000	1,029,872	1,042,959
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 C A3	1,450,000	1,449,728	1,444,839
WORLD OMNI AUTOMOBILE LEASE SE WOLS 2024 A A3	1,160,000	1,159,921	1,173,252
WORLD OMNI SELECT AUTO TRUST WOSAT 2023 A A3	1,275,000	1,274,940	1,284,132
WORLD OMNI SELECT AUTO TRUST WOSAT 2024 A A3	845,000	844,831	849,117
WRKCO INC COMPANY GUAR 03/28 4%	820,000	796,259	794,957
WRKCO INC COMPANY GUAR 06/28 3.9%	1,460,000	1,439,628	1,409,023
WRKCO INC COMPANY GUAR 09/27 3.375%	420,000	407,787	404,058
XCEL ENERGY INC SR UNSECURED 03/27 1.75%	1,145,000	1,143,927	1,072,102

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
XCEL ENERGY INC SR UNSECURED 06/25 3.3%	330,000	330,000	327,578
YALE UNIVERSITY UNSECURED 04/30 1.482%	423,000	423,000	359,719

Stable Value Fund	Participant-Directed Investment Assets		
Issuer Name	Par Value	Book Value	Market Value
Total Cash Equivalent Securities	22,609,942	22,609,942	22,609,942
STATE STREET BANK + TRUST CO SHORT TERM INV FUND	22,609,942	22,609,942	22,609,942

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
Total Domestic Equity Securities	26,326,049	1,779,382,173	3,683,986,714
3M CO COMMON STOCK USD.01	40,421	7,709,599	5,217,947
ABBOTT LABORATORIES COMMON STOCK	128,316	7,955,815	14,513,823
ABBVIE INC COMMON STOCK USD.01	130,907	12,570,485	23,262,174
ACCENTURE PLC CL A COMMON STOCK USD.0000225	46,347	7,333,659	16,304,411
ADOBE INC COMMON STOCK USD.0001	32,616	6,530,344	14,503,683
ADVANCED MICRO DEVICES COMMON STOCK USD.01	120,142	3,396,017	14,511,952
AES CORP COMMON STOCK USD.01	52,342	661,197	673,642
AFLAC INC COMMON STOCK USD.1	37,307	1,636,310	3,859,036
AGILENT TECHNOLOGIES INC COMMON STOCK USD.01	21,429	1,533,969	2,878,772
AIR PRODUCTS + CHEMICALS INC COMMON STOCK USD1.0	16,484	2,813,141	4,781,019
AIRBNB INC CLASS A COMMON STOCK USD.0001	32,123	4,587,063	4,221,283
AKAMAI TECHNOLOGIES INC COMMON STOCK USD.01	11,230	689,394	1,074,150
ALBEMARLE CORP COMMON STOCK USD.01	8,838	1,200,974	760,775
ALEXANDRIA REAL ESTATE EQUIT REIT USD.01	11,723	1,613,782	1,143,579
ALIGN TECHNOLOGY INC COMMON STOCK USD.0001	5,189	1,333,290	1,081,958
ALLEGION PLC COMMON STOCK USD.01	6,479	537,368	846,676
ALLIANT ENERGY CORP COMMON STOCK USD.01	19,408	891,667	1,147,789
ALLSTATE CORP COMMON STOCK USD.01	19,734	2,013,603	3,804,518
ALPHABET INC CL A COMMON STOCK USD.001	432,923	24,373,987	81,952,324
ALPHABET INC CL C COMMON STOCK USD.001	352,702	19,255,603	67,168,569
ALTRIA GROUP INC COMMON STOCK USD.333	125,017	8,054,285	6,537,139
AMAZON.COM INC COMMON STOCK USD.01	693,384	52,646,824	152,121,516
AMCOR PLC COMMON STOCK USD.01	109,421	1,192,461	1,029,652
AMEREN CORPORATION COMMON STOCK USD.01	20,123	1,318,048	1,793,764
AMERICAN ELECTRIC POWER COMMON STOCK USD6.5	39,852	3,135,564	3,675,550
AMERICAN EXPRESS CO COMMON STOCK USD.2	41,233	4,091,798	12,237,542
AMERICAN INTERNATIONAL GROUP COMMON STOCK USD2.5	45,739	2,660,219	3,329,799
AMERICAN TOWER CORP REIT USD.01	34,672	5,618,588	6,359,192
AMERICAN WATER WORKS CO INC COMMON STOCK USD.01	14,177	1,443,189	1,764,895
AMERIPRISE FINANCIAL INC COMMON STOCK USD.01	7,242	1,170,053	3,855,858
AMETEK INC COMMON STOCK USD.01	17,255	1,285,044	3,110,386
AMGEN INC COMMON STOCK USD.0001	39,808	7,097,668	10,375,557
AMPHENOL CORP CL A COMMON STOCK USD.001	89,298	2,189,388	6,201,746
ANALOG DEVICES INC COMMON STOCK USD.167	36,694	3,332,774	7,796,007
ANSYS INC COMMON STOCK USD.01	6,565	1,044,662	2,214,571
AON PLC CLASS A COMMON STOCK	16,026	2,582,415	5,755,898
APA CORP COMMON STOCK USD.625	27,627	1,086,745	637,907
APOLLO GLOBAL MANAGEMENT INC COMMON STOCK USD.0001	32,942	5,634,070	5,440,701
APPLE INC COMMON STOCK USD.00001	1,119,969	64,048,348	280,462,637
APPLIED MATERIALS INC COMMON STOCK USD.01	61,146	3,371,066	9,944,174
ARCH CAPITAL GROUP LTD COMMON STOCK USD.01	27,688	1,591,977	2,556,987
ARCHER DANIELS MIDLAND CO COMMON STOCK	36,044	1,493,331	1,820,943
ARISTA NETWORKS INC COMMON STOCK USD.0001	76,489	1,582,618	8,454,329
ARTHUR J GALLAGHER + CO COMMON STOCK USD1.0	17,813	1,764,562	5,056,220
ASSURANT INC COMMON STOCK USD.01	3,897	417,911	830,918
AT+T INC COMMON STOCK USD1.0	532,255	14,041,622	12,119,446
ATMOS ENERGY CORP COMMON STOCK	11,607	1,146,582	1,616,507
AUTODESK INC COMMON STOCK USD.01	15,944	1,870,489	4,712,568
AUTOMATIC DATA PROCESSING COMMON STOCK USD.1	30,198	3,631,887	8,839,861
AUTOZONE INC COMMON STOCK USD.01	1,252	972,800	4,008,904
AVALONBAY COMMUNITIES INC REIT USD.01	10,573	1,932,343	2,325,743
AVERY DENNISON CORP COMMON STOCK USD1.0	5,946	664,607	1,112,675
AXON ENTERPRISE INC COMMON STOCK USD.00001	5,378	1,172,545	3,196,253
BAKER HUGHES CO COMMON STOCK USD.0001	73,189	2,088,352	3,002,213
BALL CORP COMMON STOCK	21,476	878,008	1,183,972
BANK OF AMERICA CORP COMMON STOCK USD.01	494,925	13,971,049	21,751,954
BANK OF NEW YORK MELLON CORP COMMON STOCK USD.01	53,871	2,795,850	4,138,909
BAXTER INTERNATIONAL INC COMMON STOCK USD1.0	37,859	2,553,809	1,103,968
BECTON DICKINSON AND CO COMMON STOCK USD1.0	21,441	4,815,724	4,864,320
BERKSHIRE HATHAWAY INC CL B COMMON STOCK USD.0033	135,808	27,500,751	61,559,050

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BEST BUY CO INC COMMON STOCK USD.1	14,554	935,455	1,248,733
BIO TECHNE CORP COMMON STOCK USD.01	11,930	1,480,189	859,318
BIOGEN INC COMMON STOCK USD.0005	10,757	3,362,457	1,644,960
BLACKROCK INC COMMON STOCK USD.01	10,763	5,732,707	11,033,259
BLACKSTONE INC COMMON STOCK USD.00001	53,380	6,087,409	9,203,780
BOEING CO/THE COMMON STOCK USD5.0	55,232	13,149,769	9,776,064
BOOKING HOLDINGS INC COMMON STOCK USD.008	2,462	4,307,654	12,232,250
BORGWARNER INC COMMON STOCK USD.01	16,085	701,051	511,342
BOSTON PROPERTIES INC REIT USD.01	10,980	1,317,168	816,473
BOSTON SCIENTIFIC CORP COMMON STOCK USD.01	109,410	3,183,589	9,772,501
BRISTOL MYERS SQUIBB CO COMMON STOCK USD.1	150,161	9,056,579	8,493,106
BROADCOM INC COMMON STOCK	346,138	14,805,345	80,248,634
BROADRIDGE FINANCIAL SOLUTIO COMMON STOCK USD.01	8,787	1,013,896	1,986,653
BROWN + BROWN INC COMMON STOCK USD.1	17,784	1,010,907	1,814,324
BROWN FORMAN CORP CLASS B COMMON STOCK USD.15	13,350	670,061	507,033
BUILDERS FIRSTSOURCE INC COMMON STOCK USD.01	8,304	1,350,903	1,186,891
BUNGE GLOBAL SA COMMON STOCK USD.01	10,223	1,056,066	794,940
C.H. ROBINSON WORLDWIDE INC COMMON STOCK USD.1	8,902	739,344	919,755
CADENCE DESIGN SYS INC COMMON STOCK USD.01	20,326	988,355	6,107,150
CAESARS ENTERTAINMENT INC COMMON STOCK	15,717	1,386,835	525,262
CAMDEN PROPERTY TRUST REIT USD.01	8,065	1,317,065	935,863
CAMPBELL SOUP CO COMMON STOCK USD.0375	14,895	694,708	623,803
CAPITAL ONE FINANCIAL CORP COMMON STOCK USD.01	28,332	2,537,034	5,052,162
CARDINAL HEALTH INC COMMON STOCK	17,634	1,055,900	2,085,573
CARMAX INC COMMON STOCK USD.5	11,701	799,487	956,674
CARNIVAL CORP COMMON STOCK USD.01	75,578	2,517,299	1,883,404
CARRIER GLOBAL CORP COMMON STOCK USD.01	62,239	1,361,575	4,248,434
CATERPILLAR INC COMMON STOCK USD1.0	35,853	5,088,994	13,006,034
CBOE GLOBAL MARKETS INC COMMON STOCK	7,502	901,900	1,465,891
CBRE GROUP INC A COMMON STOCK USD.01	22,307	1,023,880	2,928,686
CDW CORP/DE COMMON STOCK USD.01	9,939	1,259,937	1,729,784
CELANESE CORP COMMON STOCK USD.0001	8,195	733,689	567,176
CENCORA INC COMMON STOCK USD.01	12,842	1,273,880	2,885,341
CENTENE CORP COMMON STOCK USD.001	36,804	2,089,786	2,229,586
CENTERPOINT ENERGY INC COMMON STOCK USD.01	47,780	1,341,853	1,516,059
CERIDIAN HCM HOLDING INC COMMON STOCK USD.01	11,946	1,124,979	867,757
CF INDUSTRIES HOLDINGS INC COMMON STOCK USD.01	12,468	494,466	1,063,770
CHARLES RIVER LABORATORIES COMMON STOCK USD.01	3,878	1,247,869	715,879
CHARTER COMMUNICATIONS INC A COMMON STOCK USD.001	7,104	2,387,001	2,435,038
CHEVRON CORP COMMON STOCK USD.75	123,714	14,953,918	17,918,736
CHIPOTLE MEXICAN GRILL INC COMMON STOCK USD.01	101,036	912,698	6,092,471
CHUBB LTD COMMON STOCK	27,669	4,239,300	7,644,945
CHURCH + DWIGHT CO INC COMMON STOCK USD1.0	18,459	940,402	1,932,842
CINCINNATI FINANCIAL CORP COMMON STOCK USD2.0	11,284	879,150	1,621,511
CINTAS CORP COMMON STOCK	25,464	1,186,604	4,652,273
CISCO SYSTEMS INC COMMON STOCK USD.001	293,668	11,405,501	17,385,146
CITIGROUP INC COMMON STOCK USD.01	140,307	10,109,197	9,876,210
CITIZENS FINANCIAL GROUP COMMON STOCK USD.01	32,243	1,279,725	1,410,954
CLOROX COMPANY COMMON STOCK USD1.0	9,114	1,303,222	1,480,205
CME GROUP INC COMMON STOCK USD.01	26,784	4,145,552	6,220,048
CMS ENERGY CORP COMMON STOCK USD.01	22,533	1,144,415	1,501,824
COCA COLA CO/THE COMMON STOCK USD.25	287,933	13,412,754	17,926,709
COGNIZANT TECH SOLUTIONS A COMMON STOCK USD.01	36,511	2,580,396	2,807,696
COLGATE PALMOLIVE CO COMMON STOCK USD1.0	60,248	4,328,677	5,477,146
COMCAST CORP CLASS A COMMON STOCK USD.01	282,154	10,567,937	10,589,240
CONAGRA BRANDS INC COMMON STOCK USD5.0	34,828	1,224,447	966,477
CONOCOPHILLIPS COMMON STOCK USD.01	96,289	5,836,026	9,548,980
CONSOLIDATED EDISON INC COMMON STOCK USD.1	25,756	2,250,714	2,298,208
CONSTELLATION BRANDS INC A COMMON STOCK USD.01	11,478	2,439,200	2,536,638
CONSTELLATION ENERGY COMMON STOCK	23,268	925,897	5,205,284
COOPER COS INC/THE COMMON STOCK USD.1	15,018	953,952	1,380,605

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
COPART INC COMMON STOCK	64,831	1,137,244	3,720,651
CORNING INC COMMON STOCK USD.5	56,745	1,833,610	2,696,522
CORPAY INC COMMON STOCK USD.001	5,223	1,160,212	1,767,568
CORTEVA INC COMMON STOCK USD.01	50,866	2,070,134	2,897,327
COSTAR GROUP INC COMMON STOCK USD.01	30,071	2,127,576	2,152,783
COSTCO WHOLESALE CORP COMMON STOCK USD.005	32,855	6,862,088	30,104,051
COTERRA ENERGY INC COMMON STOCK USD.1	55,769	1,473,201	1,424,340
CROWDSTRIKE HOLDINGS INC A COMMON STOCK	17,139	6,505,878	5,864,280
CROWN CASTLE INC REIT USD.01	32,204	3,769,739	2,922,835
CSX CORP COMMON STOCK USD1.0	143,498	2,672,296	4,630,680
CUMMINS INC COMMON STOCK USD2.5	10,114	1,653,274	3,525,740
CVS HEALTH CORP COMMON STOCK USD.01	93,121	6,905,663	4,180,202
DANAHER CORP COMMON STOCK USD.01	47,669	4,896,034	10,942,419
DARDEN RESTAURANTS INC COMMON STOCK	8,706	763,826	1,625,323
DAVITA INC COMMON STOCK USD.001	3,495	252,187	522,677
DECKERS OUTDOOR CORP COMMON STOCK USD.01	11,274	1,710,049	2,289,637
DEERE + CO COMMON STOCK USD1.0	18,948	3,044,857	8,028,268
DELL TECHNOLOGIES C COMMON STOCK	22,464	2,637,982	2,588,751
DELTA AIR LINES INC COMMON STOCK USD.0001	47,462	2,238,587	2,871,451
DEVON ENERGY CORP COMMON STOCK USD.1	48,677	1,571,606	1,593,198
DEXCOM INC COMMON STOCK USD.001	29,095	3,073,736	2,262,718
DIAMONDBACK ENERGY INC COMMON STOCK USD.01	13,470	1,434,301	2,206,790
DIGITAL REALTY TRUST INC REIT USD.01	23,002	2,838,895	4,078,945
DISCOVER FINANCIAL SERVICES COMMON STOCK USD.01	18,453	1,264,121	3,196,613
DOLLAR GENERAL CORP COMMON STOCK USD.875	16,153	1,619,378	1,224,720
DOLLAR TREE INC COMMON STOCK USD.01	15,170	1,565,543	1,136,840
DOMINION ENERGY INC COMMON STOCK	62,074	4,987,465	3,343,306
DOMINO S PIZZA INC COMMON STOCK USD.01	2,476	934,865	1,039,326
DOVER CORP COMMON STOCK USD1.0	10,249	907,872	1,922,712
DOW INC COMMON STOCK USD.01	52,682	3,489,586	2,114,129
DR HORTON INC COMMON STOCK USD.01	21,835	1,240,116	3,052,970
DTE ENERGY COMPANY COMMON STOCK	15,421	1,551,879	1,862,086
DUKE ENERGY CORP COMMON STOCK USD.001	56,954	5,106,012	6,136,224
DUPONT DE NEMOURS INC COMMON STOCK USD.01	31,098	3,051,055	2,371,223
EASTMAN CHEMICAL CO COMMON STOCK USD.01	8,650	797,998	789,918
EATON CORP PLC COMMON STOCK USD.01	29,401	2,356,193	9,757,310
EBAY INC COMMON STOCK USD.001	35,658	1,260,950	2,209,013
ECOLAB INC COMMON STOCK USD1.0	18,629	2,605,847	4,365,147
EDISON INTERNATIONAL COMMON STOCK	29,043	2,216,001	2,318,793
EDWARDS LIFESCIENCES CORP COMMON STOCK USD1.0	43,724	1,894,886	3,236,888
ELECTRONIC ARTS INC COMMON STOCK USD.01	17,684	1,867,038	2,587,169
ELEVANCE HEALTH INC COMMON STOCK USD.01	17,273	4,210,259	6,372,010
ELI LILLY + CO COMMON STOCK	58,380	6,350,386	45,069,360
EMERSON ELECTRIC CO COMMON STOCK USD.5	42,512	2,744,669	5,268,512
ENPHASE ENERGY INC COMMON STOCK USD.00001	10,101	2,025,618	693,737
ENTERGY CORP COMMON STOCK USD.01	32,148	1,448,773	2,437,461
EOG RESOURCES INC COMMON STOCK USD.01	41,500	4,127,860	5,087,070
EPAM SYSTEMS INC COMMON STOCK USD.001	4,279	2,802,374	1,000,516
EQT CORP COMMON STOCK	44,764	1,757,975	2,064,068
EQUIFAX INC COMMON STOCK USD1.25	9,305	1,118,816	2,371,379
EQUINIX INC REIT USD.001	7,067	3,554,335	6,663,404
EQUITY RESIDENTIAL REIT USD.01	24,684	1,633,703	1,771,324
ERIE INDEMNITY COMPANY CL A COMMON STOCK	1,870	974,282	770,870
ESSEX PROPERTY TRUST INC REIT USD.0001	4,825	1,200,796	1,377,248
ESTEE LAUDER COMPANIES CL A COMMON STOCK USD.01	17,518	2,374,261	1,313,500
EVEREST GROUP LTD COMMON STOCK USD.01	3,248	755,942	1,177,270
EVERGY INC COMMON STOCK	17,080	928,736	1,051,274
EVERSOURCE ENERGY COMMON STOCK USD5.0	26,660	1,802,395	1,531,084
EXELON CORP COMMON STOCK	74,374	2,239,030	2,799,437
EXPEDIA GROUP INC COMMON STOCK USD.001	8,974	1,120,199	1,672,125
EXPEDITORS INTL WASH INC COMMON STOCK USD.01	10,486	681,607	1,161,534

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
EXTRA SPACE STORAGE INC REIT USD.01	15,515	1,759,036	2,321,044
EXXON MOBIL CORP COMMON STOCK	325,897	25,653,661	35,056,740
F5 INC COMMON STOCK	4,132	551,640	1,039,074
FACTSET RESEARCH SYSTEMS INC COMMON STOCK USD.01	2,731	1,286,122	1,311,645
FAIR ISAAC CORP COMMON STOCK USD.01	1,797	1,176,923	3,577,701
FASTENAL CO COMMON STOCK USD.01	42,230	1,217,448	3,036,759
FEDERAL REALTY INVS TRUST REIT USD.01	5,687	709,577	636,660
FEDEX CORP COMMON STOCK USD.1	16,538	3,604,006	4,652,636
FIDELITY NATIONAL INFO SERV COMMON STOCK USD.01	40,109	4,505,355	3,239,604
FIFTH THIRD BANCORP COMMON STOCK	49,347	1,468,093	2,086,391
FIRST SOLAR INC COMMON STOCK USD.001	7,868	1,253,668	1,386,656
FIRSTENERGY CORP COMMON STOCK USD.1	38,090	1,380,065	1,515,220
FISERV INC COMMON STOCK USD.01	42,121	3,557,188	8,652,496
FMC CORP COMMON STOCK USD.1	9,385	746,441	456,205
FORD MOTOR CO COMMON STOCK USD.01	288,684	3,449,170	2,857,972
FORTINET INC COMMON STOCK USD.001	47,064	789,486	4,446,607
FORTIVE CORP COMMON STOCK USD.01	25,239	1,589,098	1,892,925
FOX CORP CLASS A COMMON STOCK USD.01	16,215	651,954	787,725
FOX CORP CLASS B COMMON STOCK USD.01	9,943	381,215	454,793
FRANKLIN RESOURCES INC COMMON STOCK USD.1	22,342	921,560	453,319
FREEPORT MCMORAN INC COMMON STOCK USD.1	106,805	1,600,074	4,067,134
GARMIN LTD COMMON STOCK CHF.1	11,241	774,654	2,318,569
GARTNER INC COMMON STOCK USD.0005	5,701	717,510	2,761,963
GE HEALTHCARE TECHNOLOGY COMMON STOCK	33,414	2,602,401	2,612,307
GE VERNOVA INC COMMON STOCK USD.01	20,447	1,459,090	6,725,632
GEN DIGITAL INC COMMON STOCK USD.01	40,899	1,095,969	1,119,815
GENERAC HOLDINGS INC COMMON STOCK USD.01	4,220	1,252,316	654,311
GENERAL DYNAMICS CORP COMMON STOCK USD1.0	19,109	4,039,960	5,035,030
GENERAL ELECTRIC CO COMMON STOCK USD.01	80,190	5,584,762	13,374,890
GENERAL MILLS INC COMMON STOCK USD.1	41,470	2,330,290	2,644,542
GENERAL MOTORS CO COMMON STOCK USD.01	81,472	3,501,588	4,340,013
GENUINE PARTS CO COMMON STOCK USD1.0	10,095	1,012,106	1,178,692
GILEAD SCIENCES INC COMMON STOCK USD.001	92,042	6,730,539	8,501,920
GLOBAL PAYMENTS INC COMMON STOCK	18,783	1,926,952	2,104,823
GLOBE LIFE INC COMMON STOCK USD1.0	6,080	551,111	678,042
GODADDY INC CLASS A COMMON STOCK USD.001	10,401	1,434,813	2,052,845
GOLDMAN SACHS GROUP INC COMMON STOCK USD.01	23,258	5,538,750	13,317,996
HALLIBURTON CO COMMON STOCK USD2.5	66,319	2,454,324	1,803,214
HARTFORD FINANCIAL SVCS GRP COMMON STOCK USD.01	21,381	1,235,835	2,339,081
HASBRO INC COMMON STOCK USD.5	9,510	894,912	531,704
HCA HEALTHCARE INC COMMON STOCK USD.01	13,574	1,176,858	4,074,236
HEALTHPEAK PROPERTIES INC REIT USD1.0	52,803	1,359,154	1,070,317
HENRY SCHEIN INC COMMON STOCK USD.01	9,694	539,683	670,825
HERSHEY CO/THE COMMON STOCK USD1.0	11,020	1,389,205	1,866,237
HESS CORP COMMON STOCK USD1.0	20,400	1,034,710	2,713,404
HEWLETT PACKARD ENTERPRISE COMMON STOCK USD.01	94,952	1,302,337	2,027,225
HILTON WORLDWIDE HOLDINGS IN COMMON STOCK USD.01	18,057	1,435,612	4,462,968
HOLOGIC INC COMMON STOCK USD.01	17,524	759,317	1,263,305
HOME DEPOT INC COMMON STOCK USD.05	73,609	13,558,998	28,633,165
HONEYWELL INTERNATIONAL INC COMMON STOCK USD1.0	48,174	7,141,275	10,882,025
HORMEL FOODS CORP COMMON STOCK USD.01465	21,981	809,069	689,544
HOST HOTELS + RESORTS INC REIT USD.01	52,870	978,419	926,282
HOWMET AEROSPACE INC COMMON STOCK	30,208	828,718	3,303,849
HP INC COMMON STOCK USD.01	71,980	1,634,048	2,348,707
HUBBELL INC COMMON STOCK USD.01	3,960	1,177,213	1,658,804
HUMANA INC COMMON STOCK USD.1666666	9,050	2,350,925	2,296,076
HUNT (JB) TRANSPRT SVCS INC COMMON STOCK USD.01	5,850	636,670	998,361
HUNTINGTON BANCSHARES INC COMMON STOCK USD.01	109,379	1,566,950	1,779,596
HUNTINGTON INGALLS INDUSTRIE COMMON STOCK USD.01	2,974	687,460	561,997
IDEX CORP COMMON STOCK USD.01	5,680	923,914	1,188,767
IDEXX LABORATORIES INC COMMON STOCK USD.1	6,082	1,050,204	2,514,542

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
ILLINOIS TOOL WORKS COMMON STOCK USD.01	19,791	3,272,868	5,018,206
INCYTE CORP COMMON STOCK USD.001	12,044	1,120,536	831,879
INGERSOLL RAND INC COMMON STOCK USD.01	29,592	1,062,738	2,676,892
INSULET CORP COMMON STOCK USD.001	5,254	1,579,520	1,371,662
INTEL CORP COMMON STOCK USD.001	318,262	14,033,085	6,381,153
INTERCONTINENTAL EXCHANGE IN COMMON STOCK USD.01	42,417	3,114,372	6,320,557
INTERNATIONAL PAPER CO COMMON STOCK USD1.0	25,752	1,326,282	1,385,973
INTERPUBLIC GROUP OF COS INC COMMON STOCK USD.1	28,502	598,921	798,626
INTL BUSINESS MACHINES CORP COMMON STOCK USD.2	68,611	9,855,075	15,082,756
INTL FLAVORS + FRAGRANCES COMMON STOCK USD.125	18,995	2,547,227	1,606,027
INTUIT INC COMMON STOCK USD.01	20,751	4,222,874	13,042,004
INTUITIVE SURGICAL INC COMMON STOCK USD.001	26,429	3,830,804	13,794,881
INVESCO LTD COMMON STOCK USD.2	34,303	997,849	599,616
INVITATION HOMES INC REIT USD.01	42,810	1,575,317	1,368,636
IQVIA HOLDINGS INC COMMON STOCK USD.01	12,661	1,466,565	2,488,013
IRON MOUNTAIN INC REIT USD.01	21,569	840,447	2,267,118
JABIL INC COMMON STOCK USD.001	8,314	1,105,014	1,196,385
JACK HENRY + ASSOCIATES INC COMMON STOCK USD.01	5,411	763,527	948,548
JACOBS SOLUTIONS INC COMMON STOCK	9,393	547,392	1,255,093
JM SMUCKER CO/THE COMMON STOCK	8,038	941,782	885,145
JOHNSON + JOHNSON COMMON STOCK USD1.0	178,692	25,173,013	25,842,437
JOHNSON CONTROLS INTERNATION COMMON STOCK USD.01	49,416	1,916,355	3,900,405
JPMORGAN CHASE + CO COMMON STOCK USD1.0	208,596	21,871,038	50,002,547
JUNIPER NETWORKS INC COMMON STOCK USD.00001	24,486	722,162	917,001
KELLANOVA COMMON STOCK USD.25	20,127	1,265,273	1,629,683
KENVUE INC COMMON STOCK	140,761	3,033,572	3,005,247
KEURIG DR PEPPER INC COMMON STOCK USD.01	82,360	2,780,883	2,645,403
KEYCORP COMMON STOCK USD1.0	69,818	1,282,656	1,196,681
KEYSIGHT TECHNOLOGIES IN COMMON STOCK	12,756	862,356	2,048,996
KIMBERLY CLARK CORP COMMON STOCK USD1.25	24,863	2,998,805	3,258,048
KIMCO REALTY CORP REIT USD.01	50,788	980,695	1,189,963
KINDER MORGAN INC COMMON STOCK USD.01	142,662	2,431,248	3,908,939
KKR + CO INC COMMON STOCK USD.01	50,316	5,475,286	7,442,240
KLA CORP COMMON STOCK USD.001	9,948	1,247,200	6,268,434
KRAFT HEINZ CO/THE COMMON STOCK USD.01	65,102	3,765,283	1,999,282
KROGER CO COMMON STOCK USD1.0	48,757	1,237,127	2,981,491
L3HARRIS TECHNOLOGIES INC COMMON STOCK USD1.0	14,007	2,141,584	2,945,392
LABCORP HOLDINGS INC COMMON STOCK USD.1	6,160	850,991	1,412,611
LAM RESEARCH CORP COMMON STOCK USD.001	95,931	2,107,161	6,929,096
LAMB WESTON HOLDINGS INC COMMON STOCK USD1.0	10,882	799,137	727,244
LAS VEGAS SANDS CORP COMMON STOCK USD.001	25,785	1,401,278	1,324,318
LEIDOS HOLDINGS INC COMMON STOCK USD.0001	9,846	849,017	1,418,415
LENNAR CORP A COMMON STOCK USD.1	17,821	1,176,044	2,430,250
LENNOX INTERNATIONAL INC COMMON STOCK USD.01	2,262	1,421,169	1,378,237
LINDE PLC COMMON STOCK	35,238	6,030,937	14,753,093
LIVE NATION ENTERTAINMENT IN COMMON STOCK USD.01	11,752	889,913	1,521,884
LKQ CORP COMMON STOCK USD.01	19,808	728,286	727,944
LOCKHEED MARTIN CORP COMMON STOCK USD1.0	15,571	5,076,700	7,566,572
LOEWS CORP COMMON STOCK USD.01	13,617	698,504	1,153,224
LOWE S COS INC COMMON STOCK USD.5	42,094	3,745,071	10,388,799
LULULEMON ATHLETICA INC COMMON STOCK USD.005	8,428	3,473,143	3,222,951
LYONDELLBASELL INDU CL A COMMON STOCK EUR.04	19,434	1,985,011	1,443,363
M + T BANK CORP COMMON STOCK USD.5	12,274	2,027,556	2,307,635
MARATHON PETROLEUM CORP COMMON STOCK USD.01	23,563	1,494,613	3,287,039
MARKETAXESS HOLDINGS INC COMMON STOCK USD.003	2,745	905,221	620,480
MARRIOTT INTERNATIONAL CL A COMMON STOCK USD.01	17,152	2,250,434	4,784,379
MARSH + MCLENNAN COS COMMON STOCK USD1.0	36,250	3,204,177	7,699,863
MARTIN MARIETTA MATERIALS COMMON STOCK USD.01	4,551	1,018,922	2,350,592
MASCO CORP COMMON STOCK USD1.0	15,957	666,123	1,157,999
MASTERCARD INC A COMMON STOCK USD.0001	60,733	9,988,559	31,980,176
MATCH GROUP INC COMMON STOCK USD.001	19,316	2,955,507	631,826

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
MCCORMICK + CO NON VTG SHRS COMMON STOCK	18,695	1,052,036	1,425,307
MCDONALD S CORP COMMON STOCK USD.01	53,249	9,276,802	15,436,353
MCKESSON CORP COMMON STOCK USD.01	9,411	1,556,667	5,363,423
MEDTRONIC PLC COMMON STOCK USD.1	94,923	7,895,617	7,582,449
MERCK + CO. INC. COMMON STOCK USD.5	187,256	10,694,893	18,628,227
META PLATFORMS INC CLASS A COMMON STOCK USD.000006	161,522	28,811,824	94,572,746
METLIFE INC COMMON STOCK USD.01	42,682	2,321,152	3,494,802
METTLER TOLEDO INTERNATIONAL COMMON STOCK USD.01	1,556	986,361	1,904,046
MGM RESORTS INTERNATIONAL COMMON STOCK USD.01	17,279	581,319	598,717
MICROCHIP TECHNOLOGY INC COMMON STOCK USD.001	39,132	1,738,462	2,244,220
MICRON TECHNOLOGY INC COMMON STOCK USD.1	82,110	3,804,696	6,910,378
MICROSOFT CORP COMMON STOCK USD.00000625	550,869	55,092,701	232,191,284
MID AMERICA APARTMENT COMM REIT USD.01	8,764	953,773	1,354,651
MODERNA INC COMMON STOCK USD.0001	25,200	8,036,935	1,047,816
MOHAWK INDUSTRIES INC COMMON STOCK USD.01	3,946	1,032,028	470,087
MOLINA HEALTHCARE INC COMMON STOCK USD.001	4,167	1,297,477	1,212,805
MOLSON COORS BEVERAGE CO B COMMON STOCK USD.01	13,286	968,008	761,554
MONDELEZ INTERNATIONAL INC A COMMON STOCK	98,952	4,388,898	5,910,403
MONOLITHIC POWER SYSTEMS INC COMMON STOCK USD.001	3,673	1,463,826	2,173,314
MONSTER BEVERAGE CORP COMMON STOCK	51,209	1,621,659	2,691,545
MOODY S CORP COMMON STOCK USD.01	11,636	1,872,428	5,508,133
MORGAN STANLEY COMMON STOCK USD.01	92,059	4,798,636	11,573,657
MOSAIC CO/THE COMMON STOCK USD.01	24,331	631,643	598,056
MOTOROLA SOLUTIONS INC COMMON STOCK USD.01	12,412	1,343,179	5,737,199
MSCI INC COMMON STOCK USD.01	5,799	1,038,502	3,479,458
NASDAQ INC COMMON STOCK USD.01	31,094	998,965	2,403,877
NETAPP INC COMMON STOCK USD.001	15,078	852,813	1,750,254
NETFLIX INC COMMON STOCK USD.001	31,671	6,967,596	28,228,996
NEWMONT CORP COMMON STOCK USD1.6	85,074	3,189,846	3,166,454
NEWS CORP CLASS A COMMON STOCK USD.01	28,461	465,337	783,816
NEWS CORP CLASS B COMMON STOCK	8,792	169,510	267,541
NEXTERA ENERGY INC COMMON STOCK USD.01	152,369	6,858,162	10,923,334
NIKE INC CL B COMMON STOCK	88,324	5,729,328	6,683,477
NISOURCE INC COMMON STOCK USD.01	33,574	925,787	1,234,180
NORDSON CORP COMMON STOCK	4,076	906,296	852,862
NORFOLK SOUTHERN CORP COMMON STOCK USD1.0	16,736	2,359,388	3,927,939
NORTHERN TRUST CORP COMMON STOCK USD1.666666	14,492	1,402,960	1,485,430
NORTHROP GRUMMAN CORP COMMON STOCK USD1.0	10,215	3,216,564	4,793,797
NORWEGIAN CRUISE LINE HOLDIN COMMON STOCK USD.001	32,474	1,134,658	835,556
NRG ENERGY INC COMMON STOCK USD.01	14,766	480,990	1,332,189
NUCOR CORP COMMON STOCK USD.4	17,173	1,100,636	2,004,261
NVIDIA CORP COMMON STOCK USD.001	1,817,489	12,421,853	244,070,598
NVR INC COMMON STOCK USD.01	223	881,260	1,823,895
NXP SEMICONDUCTORS NV COMMON STOCK	18,831	3,800,596	3,914,023
O REILLY AUTOMOTIVE INC COMMON STOCK USD.01	4,272	1,250,724	5,065,738
OCCIDENTAL PETROLEUM CORP COMMON STOCK USD.2	50,257	3,018,785	2,483,198
OLD DOMINION FREIGHT LINE COMMON STOCK USD.1	13,906	988,124	2,453,018
OMNICOM GROUP COMMON STOCK USD.15	14,610	1,081,861	1,257,044
ON SEMICONDUCTOR COMMON STOCK USD.01	31,484	1,691,427	1,985,066
ONEOK INC COMMON STOCK USD.01	43,272	2,329,040	4,344,509
ORACLE CORP COMMON STOCK USD.01	118,994	6,380,430	19,829,160
OTIS WORLDWIDE CORP COMMON STOCK USD.01	29,234	1,835,865	2,707,361
P G + E CORP COMMON STOCK	159,419	2,201,699	3,217,075
PACCAR INC COMMON STOCK USD1.0	38,769	1,793,971	4,032,751
PACKAGING CORP OF AMERICA COMMON STOCK USD.01	6,625	751,939	1,491,486
PALANTIR TECHNOLOGIES INC A COMMON STOCK USD.001	151,543	5,726,091	11,461,197
PALO ALTO NETWORKS INC COMMON STOCK USD.0001	48,360	6,070,168	8,799,586
PARAMOUNT GLOBAL CLASS B COMMON STOCK USD.001	44,415	1,737,959	464,581
PARKER HANNIFIN CORP COMMON STOCK USD.5	9,493	1,745,154	6,037,833
PAYCHEX INC COMMON STOCK USD.01	23,955	1,676,858	3,358,970
PAYCOM SOFTWARE INC COMMON STOCK USD.01	3,570	1,110,328	731,743

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
PAYPAL HOLDINGS INC COMMON STOCK	74,782	5,978,182	6,382,644
PENTAIR PLC COMMON STOCK USD.01	12,267	555,854	1,234,551
PEPSICO INC COMMON STOCK USD.017	101,654	12,207,319	15,457,507
PFIZER INC COMMON STOCK USD.05	418,842	14,743,940	11,111,878
PHILIP MORRIS INTERNATIONAL COMMON STOCK	115,415	11,439,993	13,890,195
PHILLIPS 66 COMMON STOCK	30,818	2,897,208	3,511,095
PINNACLE WEST CAPITAL COMMON STOCK	8,586	758,519	727,835
PNC FINANCIAL SERVICES GROUP COMMON STOCK USD5.0	29,537	4,072,931	5,696,210
POOL CORP COMMON STOCK USD.001	2,889	949,534	984,976
PPG INDUSTRIES INC COMMON STOCK USD1.66666	16,964	1,973,638	2,026,350
PPL CORP COMMON STOCK USD.01	54,481	1,865,747	1,768,453
PRINCIPAL FINANCIAL GROUP COMMON STOCK USD.01	15,591	1,118,180	1,206,899
PROCTER + GAMBLE CO/THE COMMON STOCK	174,491	16,411,693	29,253,416
PROGRESSIVE CORP COMMON STOCK USD1.0	43,475	2,511,424	10,417,045
PROLOGIS INC REIT USD.01	68,432	4,848,358	7,233,262
PRUDENTIAL FINANCIAL INC COMMON STOCK USD.01	26,232	2,919,806	3,109,279
PTC INC COMMON STOCK USD.01	8,737	1,225,513	1,606,472
PUBLIC SERVICE ENTERPRISE GP COMMON STOCK	36,679	1,931,472	3,099,009
PUBLIC STORAGE REIT USD.1	11,622	2,517,536	3,480,092
PULTEGROUP INC COMMON STOCK USD.01	15,136	561,355	1,648,310
QUALCOMM INC COMMON STOCK USD.0001	82,355	5,754,678	12,651,375
QUANTA SERVICES INC COMMON STOCK USD.00001	10,869	440,540	3,435,147
QUEST DIAGNOSTICS INC COMMON STOCK USD.01	8,401	823,723	1,267,375
RALPH LAUREN CORP COMMON STOCK USD.01	2,741	267,555	633,116
RAYMOND JAMES FINANCIAL INC COMMON STOCK USD.01	13,489	840,776	2,095,246
REALTY INCOME CORP REIT USD1.0	64,827	3,932,333	3,462,410
REGENCY CENTERS CORP REIT USD.01	12,252	823,438	905,790
REGENERON PHARMACEUTICALS COMMON STOCK USD.001	7,781	3,492,512	5,542,640
REGIONS FINANCIAL CORP COMMON STOCK USD.01	66,440	1,094,109	1,562,669
REPUBLIC SERVICES INC COMMON STOCK USD.01	15,015	1,035,195	3,020,718
RESMED INC COMMON STOCK USD.004	10,850	1,117,195	2,481,287
REVVITY INC COMMON STOCK USD1.0	9,007	774,158	1,005,271
ROCKWELL AUTOMATION INC COMMON STOCK USD1.0	8,293	1,579,111	2,370,056
ROLLINS INC COMMON STOCK USD1.0	20,819	608,502	964,961
ROPER TECHNOLOGIES INC COMMON STOCK USD.01	7,967	2,195,151	4,141,645
ROSS STORES INC COMMON STOCK USD.01	24,620	1,921,256	3,724,267
ROYAL CARIBBEAN CRUISES LTD COMMON STOCK USD.01	18,191	2,007,836	4,196,482
RTX CORP COMMON STOCK USD1.0	98,745	7,348,834	11,426,771
S+P GLOBAL INC COMMON STOCK USD1.0	23,524	4,196,174	11,715,658
SALESFORCE INC COMMON STOCK USD.001	70,832	9,315,331	23,681,263
SBA COMMUNICATIONS CORP REIT USD.01	7,739	1,386,202	1,577,208
SCHLUMBERGER LTD COMMON STOCK USD.01	104,870	5,910,504	4,020,716
SCHWAB (CHARLES) CORP COMMON STOCK USD.01	110,674	5,171,670	8,190,983
SEAGATE TECHNOLOGY HOLDINGS COMMON STOCK USD.00001	14,875	623,159	1,283,861
SEMPRA COMMON STOCK	46,871	2,882,858	4,111,524
SERVICENOW INC COMMON STOCK USD.001	15,292	4,662,976	16,211,355
SHERWIN WILLIAMS CO/THE COMMON STOCK USD1.0	17,280	2,481,950	5,873,990
SIMON PROPERTY GROUP INC REIT USD.0001	22,667	3,388,426	3,903,484
SKYWORKS SOLUTIONS INC COMMON STOCK USD.25	11,958	1,258,986	1,060,435
SMITH (A.O.) CORP COMMON STOCK USD1.0	9,093	557,472	620,234
SNAP ON INC COMMON STOCK USD1.0	3,887	666,450	1,319,559
SOLVENTUM CORP COMMON STOCK	10,448	1,513,457	690,195
SOUTHERN CO/THE COMMON STOCK USD5.0	81,524	4,317,768	6,711,056
SOUTHWEST AIRLINES CO COMMON STOCK USD1.0	44,828	2,293,364	1,507,117
STANLEY BLACK + DECKER INC COMMON STOCK USD2.5	11,449	1,873,314	919,240
STARBUCKS CORP COMMON STOCK USD.001	83,755	4,985,262	7,642,644
STATE STREET CORP COMMON STOCK USD1.0	21,758	1,952,520	2,135,548
STEEL DYNAMICS INC COMMON STOCK USD.005	10,480	1,116,962	1,195,454
STERIS PLC COMMON STOCK USD75.0	7,328	1,203,628	1,506,344
STRYKER CORP COMMON STOCK USD.1	25,450	4,171,991	9,163,273
SUPER MICRO COMPUTER INC COMMON STOCK USD.001	37,960	4,025,089	1,157,021

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SYNCHRONY FINANCIAL COMMON STOCK USD.001	28,979	1,038,559	1,883,635
SYNOPSIS INC COMMON STOCK USD.01	11,407	1,174,807	5,536,502
SYSCO CORP COMMON STOCK USD1.0	35,956	2,187,361	2,749,196
T MOBILE US INC COMMON STOCK USD.0001	36,304	3,507,618	8,013,382
T ROWE PRICE GROUP INC COMMON STOCK USD.2	16,728	1,727,020	1,891,770
TAKE TWO INTERACTIVE SOFTWARE COMMON STOCK USD.01	12,136	1,348,854	2,233,995
TAPESTRY INC COMMON STOCK USD.01	17,147	691,140	1,120,214
TARGA RESOURCES CORP COMMON STOCK USD.001	16,363	1,082,887	2,920,796
TARGET CORP COMMON STOCK USD.0833	34,266	2,302,028	4,632,078
TELEDYNE TECHNOLOGIES INC COMMON STOCK USD.01	3,448	1,196,650	1,600,320
TELEFLEX INC COMMON STOCK USD1.0	3,443	911,856	612,785
TERADYNE INC COMMON STOCK USD.125	11,891	959,299	1,497,315
TESLA INC COMMON STOCK USD.001	206,922	49,535,629	83,563,380
TEXAS INSTRUMENTS INC COMMON STOCK USD1.0	67,776	6,873,200	12,708,678
TEXAS PACIFIC LAND CORP COMMON STOCK USD.01	1,366	2,165,273	1,510,741
TEXTRON INC COMMON STOCK USD.125	13,618	714,866	1,041,641
THE CIGNA GROUP COMMON STOCK USD.01	20,601	4,036,325	5,688,760
THERMO FISHER SCIENTIFIC INC COMMON STOCK USD1.0	28,356	6,379,441	14,751,642
TJX COMPANIES INC COMMON STOCK USD1.0	83,840	3,336,091	10,128,710
TRACTOR SUPPLY COMPANY COMMON STOCK USD.008	39,510	672,279	2,096,401
TRANE TECHNOLOGIES PLC COMMON STOCK USD1.0	16,669	1,249,330	6,156,695
TRANSDIGM GROUP INC COMMON STOCK USD.01	4,161	1,460,835	5,273,152
TRAVELERS COS INC/THE COMMON STOCK NPV	16,757	2,275,039	4,036,594
TRIMBLE INC COMMON STOCK USD.001	18,441	1,309,963	1,303,041
TRUIST FINANCIAL CORP COMMON STOCK USD5.0	99,030	4,677,698	4,295,921
TYLER TECHNOLOGIES INC COMMON STOCK USD.01	3,215	1,088,332	1,853,898
TYSON FOODS INC CL A COMMON STOCK USD.1	20,568	1,615,162	1,181,426
UBER TECHNOLOGIES INC COMMON STOCK USD.00001	155,434	9,633,855	9,375,779
UDR INC REIT USD.01	22,415	919,329	973,035
ULTA BEAUTY INC COMMON STOCK	3,474	852,730	1,510,947
UNION PACIFIC CORP COMMON STOCK USD2.5	44,806	5,728,879	10,217,560
UNITED AIRLINES HOLDINGS INC COMMON STOCK USD.01	24,333	1,315,645	2,362,734
UNITED PARCEL SERVICE CL B COMMON STOCK USD.01	54,153	6,532,956	6,828,693
UNITED RENTALS INC COMMON STOCK USD.01	4,916	812,503	3,463,027
UNITEDHEALTH GROUP INC COMMON STOCK USD.01	68,186	16,508,719	34,492,570
UNIVERSAL HEALTH SERVICES B COMMON STOCK USD.01	4,466	479,961	801,290
US BANCORP COMMON STOCK USD.01	115,903	5,903,802	5,543,640
VALERO ENERGY CORP COMMON STOCK USD.01	23,178	1,972,663	2,841,391
VENTAS INC REIT USD.25	30,431	1,856,712	1,792,082
VERALTO CORP COMMON STOCK USD.01	18,564	885,663	1,890,743
VERISIGN INC COMMON STOCK USD.001	6,116	820,257	1,265,767
VERISK ANALYTICS INC COMMON STOCK USD.001	10,339	1,099,134	2,847,671
VERIZON COMMUNICATIONS INC COMMON STOCK USD.1	312,477	15,712,234	12,495,955
VERTEX PHARMACEUTICALS INC COMMON STOCK USD.01	19,160	3,098,425	7,715,732
VIATRIS INC COMMON STOCK	88,866	1,325,557	1,106,382
VICI PROPERTIES INC REIT USD.01	78,017	2,446,046	2,278,877
VISA INC CLASS A SHARES COMMON STOCK USD.0001	128,063	17,060,688	40,473,031
VISTRA CORP COMMON STOCK USD.01	25,450	2,106,946	3,508,792
VULCAN MATERIALS CO COMMON STOCK USD1.0	9,781	1,211,401	2,515,967
WABTEC CORP COMMON STOCK USD.01	12,827	923,796	2,431,871
WALGREENS BOOTS ALLIANCE INC COMMON STOCK USD.01	54,321	3,689,083	506,815
WALMART INC COMMON STOCK USD.1	321,861	11,195,835	29,080,141
WALT DISNEY CO/THE COMMON STOCK USD.01	134,177	13,816,179	14,940,609
WARNER BROS DISCOVERY INC COMMON STOCK	167,731	4,941,275	1,772,917
WASTE MANAGEMENT INC COMMON STOCK USD.01	27,166	2,375,434	5,481,827
WATERS CORP COMMON STOCK USD.01	4,414	896,435	1,637,506
WEC ENERGY GROUP INC COMMON STOCK USD.01	23,737	1,709,760	2,232,227
WELLS FARGO + CO COMMON STOCK USD1.666	247,268	12,860,548	17,368,104
WELLTOWER INC REIT USD1.0	43,583	3,205,373	5,492,765
WEST PHARMACEUTICAL SERVICES COMMON STOCK USD.25	5,359	1,170,636	1,755,394
WESTERN DIGITAL CORP COMMON STOCK USD.01	25,162	1,843,221	1,500,410

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Domestic Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
WEYERHAEUSER CO REIT USD1.25	54,141	1,843,576	1,524,069
WILLIAMS COS INC COMMON STOCK USD1.0	90,453	2,615,689	4,895,316
WILLIS TOWERS WATSON PLC COMMON STOCK USD.000304635	7,405	1,199,169	2,319,542
WORKDAY INC CLASS A COMMON STOCK USD.001	15,662	4,276,352	4,041,266
WR BERKLEY CORP COMMON STOCK USD.2	22,653	717,941	1,325,654
WW GRAINGER INC COMMON STOCK USD.5	3,299	819,748	3,477,311
WYNN RESORTS LTD COMMON STOCK USD.01	6,973	982,833	600,794
XCEL ENERGY INC COMMON STOCK USD2.5	42,273	2,247,478	2,854,273
XYLEM INC COMMON STOCK	18,103	1,402,111	2,100,310
YUM BRANDS INC COMMON STOCK	20,713	1,759,429	2,778,856
ZEBRA TECHNOLOGIES CORP CL A COMMON STOCK USD.01	3,858	1,003,758	1,490,037
ZIMMER BIOMET HOLDINGS INC COMMON STOCK USD.01	14,409	1,632,812	1,522,023
ZOETIS INC COMMON STOCK USD.01	33,249	2,642,539	5,417,260

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

International Equity	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
Total International Equity Securities	76,341	5,278,575	6,222,141
APTIV PLC COMMON STOCK USD.01	17,435	1,455,453	1,054,469
SMURFIT WESTROCK PLC COMMON STOCK	36,518	1,713,615	1,966,859
TE CONNECTIVITY PLC COMMON STOCK USD.01	22,388	2,109,507	3,200,812

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
Total Fixed Income and Short-Term Securities	2,979,768,578	2,656,412,072	2,502,057,816
ABBVIE INC SR UNSECURED 05/25 3.6%	5,000,000	5,004,087	4,979,342
ABBVIE INC SR UNSECURED 05/35 4.5%	2,150,000	2,268,649	2,014,023
ACCENTURE CAPITAL INC COMPANY GUAR 10/34 4.5%	1,815,000	1,813,149	1,725,008
AETNA INC SR UNSECURED 06/36 6.625%	1,785,000	2,471,884	1,881,372
AGCO CORP COMPANY GUAR 03/27 5.45	810,000	809,517	817,605
AGILENT TECHNOLOGIES INC SR UNSECURED 03/31 2.3%	3,040,000	3,036,503	2,576,584
ALEXANDRIA REAL ESTATE E COMPANY GUAR 05/32 2%	1,830,000	1,826,164	1,459,366
ALGONQUIN PWR + UTILITY SR UNSECURED 06/26 VAR	1,535,000	1,527,172	1,542,227
ALTRIA GROUP INC COMPANY GUAR 02/41 3.4%	2,130,000	2,119,283	1,539,151
ALTRIA GROUP INC COMPANY GUAR 05/30 3.4%	770,000	768,619	706,815
AMEREN ILLINOIS CO 1ST MORTGAGE 03/49 4.5%	720,000	719,440	608,690
AMERICAN ELECTRIC POWER JR SUBORDINA 08/25 5.699%	460,000	462,113	461,993
AMERICAN HOMES 4 RENT AH4R 2015 SFR2 XS 144A	1,577,078	16	16
AMERICAN TOWER CORP SR UNSECURED 02/29 5.2	3,810,000	3,798,371	3,832,138
AMERICREDIT AUTOMOBILE RECEIVA AMCAR 2021 2 C	1,400,000	1,399,847	1,371,556
AMERICREDIT AUTOMOBILE RECEIVA AMCAR 2021 3 C	1,500,000	1,499,863	1,446,700
AMERICREDIT AUTOMOBILE RECEIVA AMCAR 2023 1 C	2,100,000	2,099,625	2,137,885
AMGEN INC SR UNSECURED 03/33 5.25%	2,575,000	2,566,269	2,557,141
AMGEN INC SR UNSECURED 11/41 5.15	925,000	870,524	861,662
ANHEUSER BUSCH CO/INBEV COMPANY GUAR 02/46 4.9%	2,116,000	2,014,417	1,925,854
APTIV PLC / GLOBAL FIN COMPANY GUAR 09/34 5.15%	2,765,000	2,758,736	2,611,984
ARCH CAPITAL FINANCE LLC COMPANY GUAR 12/26 4.011%	2,980,000	3,009,011	2,944,404
ARIZONA PUBLIC SERVICE SR UNSECURED 05/50 3.35%	580,000	577,545	392,385
ARIZONA PUBLIC SERVICE SR UNSECURED 12/31 2.2%	3,460,000	3,423,414	2,835,244
AT+T INC SR UNSECURED 03/39 4.85%	5,340,000	5,184,254	4,939,394
AT+T INC SR UNSECURED 03/49 4.55%	875,000	939,986	727,358
AT+T INC SR UNSECURED 06/31 2.75%	395,000	348,708	343,651
AT+T INC SR UNSECURED 08/37 4.9%	150,000	165,247	141,601
AT+T INC SR UNSECURED 12/33 2.55%	220,000	179,896	177,327
ATLANTIC CITY ELECTRIC 1ST MORTGAGE 03/31 2.3%	1,475,000	1,474,487	1,253,421
AUTOZONE INC SR UNSECURED 01/31 1.65%	470,000	469,143	386,850
AUTOZONE INC SR UNSECURED 04/29 3.75%	2,320,000	2,316,989	2,210,839
BALTIMORE GAS + ELECTRIC SR UNSECURED 08/26 2.4%	3,755,000	3,712,099	3,623,169
BANK BANK 2017 BNK9 A3	4,430,374	4,468,199	4,240,671
BANK BANK 2018 BN10 A4	5,407,247	5,454,397	5,175,998
BANK BANK 2020 BN27 A4	5,500,000	5,549,531	4,688,960
BANK BANK 2020 BN29 A3	2,800,000	2,824,476	2,329,320
BANK BANK 2021 BN33 A3	7,504,000	7,573,060	6,592,778
BANK BANK 2022 BNK43 A1	2,142,507	2,131,503	2,125,524
BANK OF AMERICA CORP SR UNSECURED 02/31 VAR	300,000	266,921	263,752
BANK OF AMERICA CORP SR UNSECURED 03/32 VAR	7,425,000	6,370,430	6,402,312
BANK OF AMERICA CORP SR UNSECURED 04/32 VAR	2,795,000	2,795,000	2,403,584
BANK OF AMERICA CORP SR UNSECURED 04/34 VAR	85,000	85,599	84,427
BANK OF AMERICA CORP SR UNSECURED 06/26 VAR	3,060,000	3,063,319	3,009,993
BANK OF AMERICA CORP SR UNSECURED 07/28 VAR	190,000	188,668	187,986
BANK OF AMERICA CORP SR UNSECURED 07/29 VAR	1,000,000	997,693	974,419
BANK OF AMERICA CORP SR UNSECURED 07/32 VAR	4,285,000	4,285,000	3,574,730
BANK OF AMERICA CORP SR UNSECURED 07/33 VAR	60,000	59,803	58,825
BANK OF AMERICA CORP SR UNSECURED 10/32 VAR	70,000	59,923	59,106
BANK OF AMERICA CORP SR UNSECURED 11/28 VAR	150,000	155,960	155,308
BANK OF AMERICA CORP SR UNSECURED 12/28 VAR	205,000	197,275	196,472
BANK OF AMERICA CORP SUBORDINATED 01/25 4%	3,030,000	3,029,619	3,028,483
BANK OF AMERICA CORP SUBORDINATED 03/37 VAR	1,475,000	1,329,907	1,306,793
BANK OF AMERICA CORP SUBORDINATED 10/26 4.25%	560,000	555,627	555,630
BANK5 BANK5 2023 5YR3 A3	5,500,000	5,660,916	5,783,586
BANK5 BANK5 2024 5YR10 A3	8,600,000	8,856,568	8,639,532
BANK5 BANK5 2024 5YR7 A3	6,600,000	6,664,965	6,751,304
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2020 C7 A4	6,700,000	6,757,700	5,711,655
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2022 C14 A4	6,900,000	6,962,972	5,926,117
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2023 C21 A2	3,500,000	3,537,978	3,634,986

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BARCLAYS COMMERCIAL MORTGAGE S BBCMS 2024 5C27 A3	3,700,000	3,809,833	3,823,751
BARCLAYS PLC SR UNSECURED 03/32 VAR	4,490,000	4,490,000	3,805,824
BARCLAYS PLC SR UNSECURED 05/27 VAR	1,955,000	1,955,883	1,975,998
BARCLAYS PLC SR UNSECURED 08/28 VAR	1,300,000	1,317,195	1,313,814
BARCLAYS PLC SR UNSECURED 09/28 VAR	1,000,000	993,455	993,833
BARCLAYS PLC SR UNSECURED 09/29 VAR	260,000	272,759	270,510
BARCLAYS PLC SR UNSECURED 11/32 VAR	2,000,000	1,649,475	1,689,253
BARCLAYS PLC SUBORDINATED 05/28 4.836%	350,000	346,611	343,793
BARCLAYS PLC SUBORDINATED 06/30 VAR	335,000	331,032	326,254
BARRICK NA FINANCE LLC COMPANY GUAR 05/41 5.7%	1,481,000	1,533,032	1,453,509
BAT CAPITAL CORP COMPANY GUAR 03/28 2.259%	220,000	203,151	202,123
BAT CAPITAL CORP COMPANY GUAR 03/31 2.726%	250,000	219,282	215,854
BAT CAPITAL CORP COMPANY GUAR 03/32 4.742%	975,000	950,460	938,090
BAT CAPITAL CORP COMPANY GUAR 08/30 6.343%	4,670,000	4,647,210	4,912,488
BAT CAPITAL CORP COMPANY GUAR 08/33 6.421%	250,000	266,541	264,259
BAT CAPITAL CORP COMPANY GUAR 10/32 7.75%	140,000	160,981	158,752
BAT INTL FINANCE PLC COMPANY GUAR 02/29 5.931%	455,000	455,528	468,654
BAY AREA CA TOLL AUTH TOLL BRI BAYTRN 04/49 FIXED 6.263%	2,850,000	3,791,580	3,012,163
BAYER US FINANCE LLC COMPANY GUAR 144A 01/29 6.25%	415,000	429,737	423,298
BAYER US FINANCE LLC COMPANY GUAR 144A 11/30 6.375%	425,000	444,003	437,314
BAYER US FINANCE LLC COMPANY GUAR 144A 11/33 6.5	520,000	545,595	528,940
BENCHMARK 2024 V8 MORTGAGE TRU BMARK 2024 V8 A3	10,700,000	11,100,582	11,119,674
BENCHMARK MORTGAGE TRUST BMARK 2018 B1 A4	2,242,338	2,261,285	2,148,994
BENCHMARK MORTGAGE TRUST BMARK 2019 B15 A4	6,500,000	6,559,714	5,792,142
BENCHMARK MORTGAGE TRUST BMARK 2020 B21 A4	2,800,000	2,824,621	2,340,681
BENCHMARK MORTGAGE TRUST BMARK 2021 B23 A4A1	6,500,000	6,557,318	5,365,019
BENCHMARK MORTGAGE TRUST BMARK 2021 B24 A3	3,000,000	3,026,683	2,670,321
BENCHMARK MORTGAGE TRUST BMARK 2021 B24 A4	3,100,000	3,127,603	2,659,592
BENCHMARK MORTGAGE TRUST BMARK 2021 B25 A3	5,700,000	5,699,477	5,010,257
BENCHMARK MORTGAGE TRUST BMARK 2021 B25 A4	3,600,000	3,632,047	3,073,740
BENCHMARK MORTGAGE TRUST BMARK 2021 B27 A4	6,400,000	6,457,026	5,380,769
BENCHMARK MORTGAGE TRUST BMARK 2021 B31 A4	6,500,000	6,558,927	5,459,531
BENCHMARK MORTGAGE TRUST BMARK 2022 B33 A5	5,900,000	6,064,254	5,215,116
BENCHMARK MORTGAGE TRUST BMARK 2023 V3 A3	7,000,000	7,204,060	7,261,895
BERRY GLOBAL INC SR SECURED 01/26 1.57%	3,150,000	3,042,087	3,039,848
BHP BILLITON FIN USA LTD COMPANY GUAR 09/30 5.25	5,330,000	5,377,860	5,414,480
BLACKROCK FUNDING INC COMPANY GUAR 03/34 5	5,690,000	5,681,685	5,623,835
BMO MORTGAGE TRUST BMO 2023 5C1 A3	7,100,000	7,307,248	7,399,020
BMO MORTGAGE TRUST BMO 2023 5C2 A3	8,700,000	8,955,443	9,280,209
BNP PARIBAS SUBORDINATED 144A 03/27 4.625%	1,025,000	1,013,624	1,008,644
BNP PARIBAS SUBORDINATED 144A 05/26 4.375%	560,000	553,809	553,783
BNP PARIBAS SUBORDINATED 144A 09/25 4.375%	340,000	337,611	337,592
BNSF RAILWAY CO 2015 1 P PASS THRU CE 144A 06/28 3.442%	202,442	193,992	192,417
BOEING CO SR UNSECURED 02/26 2.196%	5,120,000	5,120,000	4,965,101
BOEING CO SR UNSECURED 02/31 3.625%	1,510,000	1,509,423	1,370,799
BOEING CO SR UNSECURED 03/38 3.55%	1,080,000	771,569	817,715
BOEING CO SR UNSECURED 05/30 5.15%	4,340,000	4,204,316	4,277,503
BOEING CO SR UNSECURED 05/49 3.9	1,400,000	991,370	975,915
BOEING CO SR UNSECURED 11/48 3.85%	995,000	740,089	683,166
BOSTON PROPERTIES LP SR UNSECURED 01/25 3.2%	160,000	159,876	159,871
BOSTON PROPERTIES LP SR UNSECURED 01/31 3.25	670,000	593,260	589,332
BOSTON PROPERTIES LP SR UNSECURED 01/34 6.5%	390,000	413,289	408,778
BOSTON PROPERTIES LP SR UNSECURED 02/26 3.65%	100,000	98,431	98,557
BOSTON PROPERTIES LP SR UNSECURED 03/30 2.9%	155,000	137,684	136,866
BOSTON PROPERTIES LP SR UNSECURED 06/29 3.4	285,000	263,504	261,479
BOSTON PROPERTIES LP SR UNSECURED 12/27 6.75%	100,000	104,235	104,317
BOSTON PROPERTIES LP SR UNSECURED 12/28 4.5%	370,000	360,318	360,100
BP CAP MARKETS AMERICA COMPANY GUAR 06/51 2.939%	660,000	660,000	409,316
BP CAPITAL MARKETS PLC COMPANY GUAR 12/99 VAR	588,000	588,000	582,580
BRIXMOR OPERATING PART SR UNSECURED 02/34 5.5	1,300,000	1,297,853	1,291,179
BRIXMOR OPERATING PART SR UNSECURED 06/26 4.125%	2,450,000	2,456,369	2,424,499

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
BRIXMOR OPERATING PART SR UNSECURED 08/31 2.5%	605,000	603,643	507,813
BROADCOM INC SR UNSECURED 07/29 5.05%	7,724,000	7,726,944	7,751,189
BURLINGTN NORTH SANTA FE SR UNSECURED 02/51 3.05%	1,375,000	1,114,684	904,439
CALIFORNIA ST CAS 04/34 FIXED 7.5%	280,000	326,831	319,441
CALIFORNIA ST CAS 10/39 FIXED 7.3%	640,000	743,310	728,708
CAPITAL ONE FINANCIAL CO SR UNSECURED 02/25 3.2%	160,000	159,732	159,968
CAPITAL ONE FINANCIAL CO SR UNSECURED 02/30 VAR	130,000	132,767	131,777
CAPITAL ONE FINANCIAL CO SR UNSECURED 03/26 VAR	130,000	128,942	129,451
CAPITAL ONE FINANCIAL CO SR UNSECURED 05/28 VAR	320,000	320,971	318,946
CAPITAL ONE FINANCIAL CO SR UNSECURED 06/29 VAR	250,000	259,951	258,197
CAPITAL ONE FINANCIAL CO SR UNSECURED 06/34 VAR	205,000	215,460	212,939
CAPITAL ONE FINANCIAL CO SR UNSECURED 07/30 VAR	325,000	328,219	325,964
CAPITAL ONE FINANCIAL CO SR UNSECURED 10/31 VAR	380,000	422,258	419,645
CAPITAL ONE FINANCIAL CO SUBORDINATED 07/26 3.75%	40,000	39,239	39,259
CAPITAL ONE FINANCIAL CO SUBORDINATED 10/25 4.2%	475,000	472,223	471,896
CARLISLE COS INC SR UNSECURED 03/32 2.2%	4,895,000	4,878,304	3,995,382
CARMAX AUTO OWNER TRUST CARMX 2021 2 C	1,200,000	1,199,973	1,183,590
CARMAX AUTO OWNER TRUST CARMX 2021 3 C	990,000	989,946	963,519
CARMAX AUTO OWNER TRUST CARMX 2021 4 C	900,000	899,809	870,050
CARMAX AUTO OWNER TRUST CARMX 2022 1 C	1,300,000	1,299,797	1,257,596
CARMAX AUTO OWNER TRUST CARMX 2022 1 D	600,000	599,937	580,570
CBOE GLOBAL MARKETS INC SR UNSECURED 12/30 1.625%	3,160,000	3,148,233	2,621,769
CCO HLDGS LLC/CAP CORP SR UNSECURED 05/32 4.5%	705,000	600,239	606,415
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 02/31 4.25%	150,000	130,588	130,729
CCO HLDGS LLC/CAP CORP SR UNSECURED 144A 06/33 4.5%	1,280,000	1,067,247	1,076,976
CD COMMERCIAL MORTGAGE TRUST CD 2019 CD8 A3	5,400,000	5,446,870	4,886,352
CDW LLC/CDW FINANCE COMPANY GUAR 12/26 2.67%	2,715,000	2,715,000	2,603,201
CELULOSA ARAUCO CONSTITU SR UNSECURED 11/27 3.875%	2,281,000	2,227,401	2,187,147
CEMEX SAB DE CV COMPANY GUAR 144A 07/31 3.875%	335,000	299,899	292,225
CEMEX SAB DE CV COMPANY GUAR 144A 09/30 5.2%	750,000	737,267	717,777
CEMEX SAB DE CV COMPANY GUAR 144A 11/29 5.45%	255,000	254,283	251,603
CENOVUS ENERGY INC SR UNSECURED 06/47 5.4%	696,000	719,142	619,970
CENTERPOINT ENER HOUSTON GENL REF MOR 03/48 3.95%	910,000	906,576	699,573
CENTERPOINT ENERGY INC SR UNSECURED 09/49 3.7%	890,000	883,303	633,739
CF INDUSTRIES INC COMPANY GUAR 03/44 5.375%	1,665,000	2,086,529	1,550,090
CHARLES SCHWAB CORP SR UNSECURED 03/31 1.65%	3,240,000	3,236,054	2,653,314
CHARLES SCHWAB CORP SR UNSECURED 05/29 VAR	240,000	246,413	244,878
CHARLES SCHWAB CORP SR UNSECURED 05/34 VAR	125,000	130,370	128,785
CHARLES SCHWAB CORP SR UNSECURED 08/34 VAR	280,000	297,824	294,171
CHARLES SCHWAB CORP SR UNSECURED 11/29 VAR	490,000	514,957	510,656
CHARTER COMM OPT LLC/CAP SR SECURED 03/29 5.05%	2,800,000	2,723,269	2,739,893
CHARTER COMM OPT LLC/CAP SR SECURED 03/50 4.8%	205,000	153,202	154,317
CHARTER COMM OPT LLC/CAP SR SECURED 04/33 4.4%	140,000	125,765	125,105
CHARTER COMM OPT LLC/CAP SR SECURED 04/48 5.75%	1,085,000	925,690	928,357
CHARTER COMM OPT LLC/CAP SR SECURED 05/47 5.375%	1,560,000	1,500,258	1,281,809
CHARTER COMM OPT LLC/CAP SR SECURED 07/25 4.908%	385,000	384,628	384,550
CHARTER COMM OPT LLC/CAP SR SECURED 07/49 5.125%	225,000	176,526	176,958
CHARTER COMM OPT LLC/CAP SR SECURED 10/35 6.384%	1,010,000	1,185,781	1,008,564
CHARTER COMM OPT LLC/CAP SR SECURED 10/45 6.484%	2,790,000	2,915,690	2,638,651
CIGNA GROUP/THE COMPANY GUAR 05/27 7.875%	95,000	101,292	100,881
CIGNA GROUP/THE COMPANY GUAR 10/28 4.375%	225,000	221,750	220,493
CIGNA GROUP/THE SR UNSECURED 03/30 2.4%	500,000	441,602	437,508
CIGNA GROUP/THE SR UNSECURED 03/31 2.375%	2,622,000	2,254,027	2,220,690
CIGNA GROUP/THE SR UNSECURED 03/40 3.2%	2,110,000	2,210,102	1,547,954
CITIBANK CREDIT CARD ISSUANCE CCCIT 2018 A7 A7	5,300,000	5,297,812	5,168,435
CITICORP MORTGAGE SECURITIES, CMSI 2005 4 3A4	28,348	27,521	27,210
CITIFINANCIAL CREDIT CO SR UNSECURED 02/25 7.875%	1,800,000	1,806,010	1,803,945
CITIGROUP CAPITAL XIII PREFERRED STOCK 10/40 VAR	59,000	1,789,855	1,768,230
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2016 C1 A3	2,981,788	2,781,401	2,921,873
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2016 P5 A3	4,024,701	3,708,760	3,898,052
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2017 B1 A3	6,773,528	6,794,923	6,490,562

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
CITIGROUP COMMERCIAL MORTGAGE CGCMT 2018 C6 A3	5,800,000	5,848,826	5,507,360
CITIGROUP INC SR UNSECURED 01/31 VAR	370,000	336,540	327,333
CITIGROUP INC SR UNSECURED 03/31 VAR	310,000	301,422	297,975
CITIGROUP INC SR UNSECURED 07/28 VAR	4,040,000	4,002,372	3,913,247
CITIGROUP INC SR UNSECURED 11/30 VAR	3,950,000	4,086,732	3,563,743
CITIGROUP INC SUBORDINATED 02/35 VAR	1,595,000	1,547,244	1,589,483
CITIGROUP INC SUBORDINATED 05/34 VAR	335,000	347,504	341,552
CITIGROUP INC SUBORDINATED 09/27 4.45%	8,950,000	9,164,998	8,829,673
CLEVELAND CLINIC FOUND UNSECURED 01/14 4.858%	1,175,000	1,230,840	978,463
CMS ENERGY CORP JR SUBORDINA 06/50 VAR	665,000	665,000	630,051
CNH INDUSTRIAL CAP LLC COMPANY GUAR 01/29 5.5	3,480,000	3,525,700	3,529,697
COMCAST CORP COMPANY GUAR 01/51 2.8%	1,175,000	1,139,997	700,788
COMM MORTGAGE TRUST COMM 2015 CR25 A4	5,000,000	5,200,615	4,959,811
COMM MORTGAGE TRUST COMM 2015 LC23 A4	7,070,000	6,884,007	7,001,001
COMMONWEALTH EDISON CO 1ST MORTGAGE 03/48 4%	700,000	699,892	546,649
CON EDISON CO OF NY INC SR UNSECURED 05/49 4.125%	1,920,000	2,141,966	1,512,652
CONOCOPHILLIPS COMPANY COMPANY GUAR 01/35 5%	2,130,000	2,113,814	2,067,962
CONOCOPHILLIPS COMPANY COMPANY GUAR 09/33 5.05%	870,000	868,536	858,869
CONSTELLATION BRANDS INC COMPANY GUAR 11/28 4.65%	1,155,000	1,153,585	1,142,217
CORPORATE OFFICE PROP LP COMPANY GUAR 12/33 2.9%	1,520,000	1,514,438	1,221,976
COX COMMUNICATIONS INC COMPANY GUAR 144A 06/33 5.7%	105,000	105,386	104,368
COX COMMUNICATIONS INC COMPANY GUAR 144A 09/28 5.45%	230,000	234,268	232,361
COX COMMUNICATIONS INC COMPANY GUAR 144A 10/30 1.8%	40,000	33,226	32,960
COX COMMUNICATIONS INC SR UNSECURED 144A 02/25 3.85%	760,000	759,089	759,200
COX COMMUNICATIONS INC SR UNSECURED 144A 08/27 3.5%	120,000	116,196	116,011
COX COMMUNICATIONS INC SR UNSECURED 144A 09/26 3.35%	560,000	546,093	546,594
CREDIT SUISSE FIRST BOSTON MOR CSFB 2005 11 6A8	1,417,453	1,216,527	594,811
CRH AMERICA INC COMPANY GUAR 144A 05/25 3.875%	215,000	214,072	213,855
CRH SMW FINANCE DAC COMPANY GUAR 05/29 5.2	4,935,000	4,932,495	4,969,423
CROWN CASTLE INC SR UNSECURED 06/29 5.6%	3,210,000	3,201,019	3,271,134
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2015 C2 A3	1,861,329	1,873,494	1,857,450
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2019 C17 A4	3,000,000	3,025,935	2,723,006
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2019 C18 A3	5,600,000	5,650,192	5,037,869
CSAIL COMMERCIAL MORTGAGE TRUS CSAIL 2021 C20 A2	6,011,456	6,067,106	5,258,531
CSX CORP SR UNSECURED 02/30 2.4%	850,000	850,165	753,594
CVS HEALTH CORP JR SUBORDINA 03/55 VAR	525,000	525,698	526,762
CVS HEALTH CORP JR SUBORDINA 12/54 VAR	150,000	150,000	147,081
CVS HEALTH CORP SR UNSECURED 01/29 5%	443,000	438,144	437,006
CVS HEALTH CORP SR UNSECURED 03/28 4.3%	115,000	112,546	111,406
CVS HEALTH CORP SR UNSECURED 04/30 3.75%	255,000	237,542	233,516
CVS HEALTH CORP SR UNSECURED 04/40 4.125%	85,000	68,754	66,672
CVS HEALTH CORP SR UNSECURED 06/29 5.4	205,000	207,525	205,094
CVS HEALTH CORP SR UNSECURED 06/31 5.55	125,000	126,243	124,086
CVS HEALTH CORP SR UNSECURED 07/45 5.125%	400,000	400,450	336,761
DELL INT LLC / EMC CORP SR UNSECURED 06/26 6.02%	40,000	40,638	40,577
DELL INT LLC / EMC CORP SR UNSECURED 07/27 6.1%	130,000	134,425	133,800
DEUTSCHE BANK NY 07/27 VAR	475,000	475,000	489,481
DEUTSCHE BANK NY 11/26 VAR	615,000	615,000	599,425
DEUTSCHE BANK NY 11/27 VAR	1,780,000	1,780,000	1,745,470
DEVON ENERGY CORPORATION SR UNSECURED 07/41 5.6%	820,000	930,327	759,362
DIAMONDBACK ENERGY INC COMPANY GUAR 12/26 3.25%	1,375,000	1,410,248	1,338,833
DILLARDS INC SR UNSECURED 05/27 7.75%	45,000	47,151	47,123
DILLARDS INC SR UNSECURED 07/26 7.75%	70,000	72,524	72,571
DILLARDS INC SR UNSECURED 12/28 7%	95,000	99,289	98,736
DOMINION ENERGY INC SR UNSECURED 03/49 4.6%	460,000	459,865	379,451
DOMINION ENERGY INC SR UNSECURED 04/26 1.45%	105,000	100,773	100,710
DOMINION ENERGY INC SR UNSECURED 04/30 3.375%	80,000	74,463	73,607
DOMINION ENERGY INC SR UNSECURED 12/44 4.7%	405,000	507,264	344,009
DUKE ENERGY CAROLINAS 1ST MORTGAGE 03/48 3.95%	3,085,000	3,072,437	2,366,862
DUKE ENERGY FLORIDA LLC 1ST MORTGAGE 12/31 2.4%	2,330,000	2,327,482	1,967,452
DUPONT DE NEMOURS INC SR UNSECURED 11/28 4.725%	2,950,000	3,005,504	2,935,404

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
DUPONT DE NEMOURS INC SR UNSECURED 11/48 5.419%	290,000	315,600	289,102
ECMC GROUP STUDENT LOAN TRUST ECMC 2024 1A A 144A	498,759	499,703	494,474
ECOPETROL SA SR UNSECURED 01/29 8.625%	2,105,000	2,104,986	2,232,529
ECOPETROL SA SR UNSECURED 04/30 6.875%	1,000,000	932,858	975,907
EDISON INTERNATIONAL SR UNSECURED 11/28 5.25%	2,175,000	2,171,924	2,179,757
ELANCO ANIMAL HEALTH INC SR UNSECURED 08/28 6.65%	410,000	420,715	415,581
ELEVANCE HEALTH INC SR UNSECURED 02/30 4.75%	400,000	398,164	395,293
ELEVANCE HEALTH INC SR UNSECURED 05/42 4.625%	1,275,000	1,487,392	1,102,186
ELEVANCE HEALTH INC SR UNSECURED 12/47 4.375%	400,000	424,425	323,100
ELI LILLY + CO SR UNSECURED 02/54 5	1,415,000	1,407,055	1,301,268
ENEL FINANCE INTL NV COMPANY GUAR 144A 10/39 6%	560,000	573,966	560,647
ENERGY TRANSFER LP SR UNSECURED 04/49 6.25%	2,525,000	2,431,224	2,534,410
ENERGY TRANSFER LP SR UNSECURED 05/34 5.55	1,895,000	1,889,992	1,885,296
ENERGY TRANSFER LP SR UNSECURED 06/28 4.95%	1,115,000	1,114,195	1,113,242
ENERGY TRANSFER LP SR UNSECURED 10/43 5.95	1,850,000	1,781,116	1,796,706
ENERGY TRANSFER LP SR UNSECURED 12/30 6.4%	380,000	379,741	401,543
ENERGY TRANSFER LP SR UNSECURED 12/33 6.55%	1,210,000	1,219,791	1,288,161
ENTERGY ARKANSAS LLC 1ST MORTGAGE 06/51 2.65%	3,315,000	3,303,228	1,958,463
EQUINOR ASA COMPANY GUAR 05/30 2.375%	1,335,000	1,330,641	1,184,447
EVERGY KANSAS CENTRAL 1ST MORTGAGE 03/42 4.125%	4,076,000	4,228,596	3,330,876
EVERGY METRO MORTGAGE 03/48 4.2%	560,000	559,585	444,218
FANNIE MAE FNR 1999 46 AN	30,088	30,724	30,038
FANNIE MAE FNR 2002 76 PH	142,128	151,729	144,432
FANNIE MAE FNR 2002 85 PE	233,745	249,828	236,841
FANNIE MAE FNR 2003 23 CH	102,567	108,411	102,855
FANNIE MAE FNR 2003 46 PJ	491,753	526,986	500,816
FANNIE MAE FNR 2004 77 AY	24,592	25,711	24,252
FANNIE MAE FNR 2005 110 PC	1,491,000	1,699,723	1,478,282
FANNIE MAE FNR 2005 37 ZK	61,285	63,325	59,078
FANNIE MAE FNR 2012 134 ZA	129,264	113,575	112,177
FANNIE MAE FNR 2012 144 PB	2,000,000	1,740,737	1,612,813
FANNIE MAE FNR 2012 68 DY	605,000	587,805	535,880
FANNIE MAE FNR 2013 15 EB	2,106,854	2,129,011	1,858,494
FANNIE MAE FNR 2013 18 DY	480,000	438,557	407,133
FANNIE MAE FNR 2013 52 JM	1,724,000	1,580,862	1,367,160
FANNIE MAE FNR 2014 61 ZV	129,152	113,764	112,167
FANNIE MAE FNR 2014 68 MZ	162,733	143,211	141,178
FANNIE MAE FNR 2020 24 SP	1,196,570	159,555	130,325
FANNIE MAE FNR 2022 51 PS	2,786,000	197,917	254,945
FANNIE MAE FNR 2022 63 SB	13,841,552	536,333	459,127
FANNIE MAE NOTES 11/27 VAR	6,200,000	6,200,000	6,200,624
FANNIE MAE UNSECURED 11/25 0.5%	1,700,000	1,698,963	1,646,891
FANNIEMAE ACES FNA 2020 M2 A1	335,677	333,610	330,972
FED HM LN PC POOL 841337 FH 08/51 FLOATING VAR	649,651	596,853	596,337
FED HM LN PC POOL 841376 FH 11/50 FLOATING VAR	213,811	192,726	191,810
FED HM LN PC POOL 841395 FH 05/52 FLOATING VAR	319,229	283,132	281,507
FED HM LN PC POOL 841401 FH 04/52 FLOATING VAR	330,381	291,487	289,758
FED HM LN PC POOL 841408 FH 05/52 FLOATING VAR	113,407	101,202	100,572
FED HM LN PC POOL 841485 FH 09/52 FLOATING VAR	149,015	145,498	144,945
FED HM LN PC POOL 841500 FH 10/52 FLOATING VAR	184,483	177,459	176,203
FED HM LN PC POOL 841556 FH 04/53 FLOATING VAR	165,100	160,360	159,632
FED HM LN PC POOL 841569 FH 06/53 FLOATING VAR	111,384	108,156	107,684
FED HM LN PC POOL 841607 FH 08/53 FLOATING VAR	118,094	115,388	115,059
FED HM LN PC POOL 841666 FH 01/53 FLOATING VAR	634,499	617,095	614,856
FED HM LN PC POOL 841677 FH 12/50 FLOATING VAR	233,329	211,284	210,369
FED HM LN PC POOL 8D0285 FH 09/52 FLOATING VAR	100,995	97,257	96,340
FED HM LN PC POOL C03818 FG 04/42 FIXED 3.5%	676,793	706,769	617,336
FED HM LN PC POOL C91960 FG 11/37 FIXED 3.5%	213,084	212,003	200,279
FED HM LN PC POOL C91967 FG 12/37 FIXED 3%	684,899	671,446	625,432
FED HM LN PC POOL G07942 FG 07/44 FIXED 4.5%	127,129	123,853	122,274
FED HM LN PC POOL G08534 FG 06/43 FIXED 3%	2,182,586	2,326,756	1,925,765

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FED HM LN PC POOL G08632 FG 03/45 FIXED 3.5%	233,871	228,027	210,576
FED HM LN PC POOL G08681 FG 12/45 FIXED 3.5%	276,956	271,477	248,794
FED HM LN PC POOL G08721 FG 09/46 FIXED 3%	2,022,196	1,793,143	1,754,306
FED HM LN PC POOL G08731 FG 11/46 FIXED 2.5%	220,780	231,938	184,479
FED HM LN PC POOL G08737 FG 12/46 FIXED 3%	7,377,044	6,541,083	6,385,868
FED HM LN PC POOL G08747 FG 02/47 FIXED 3%	3,905,398	4,115,868	3,393,240
FED HM LN PC POOL G08768 FG 06/47 FIXED 4.5%	149,898	153,431	143,697
FED HM LN PC POOL G08774 FG 08/47 FIXED 3.5%	318,261	317,407	285,922
FED HM LN PC POOL G08775 FG 08/47 FIXED 4%	169,216	169,487	156,504
FED HM LN PC POOL G08785 FG 10/47 FIXED 4%	225,503	225,781	208,645
FED HM LN PC POOL G08792 FG 12/47 FIXED 3.5%	1,363,935	1,347,559	1,225,338
FED HM LN PC POOL G08799 FG 02/48 FIXED 3%	270,146	281,619	234,146
FED HM LN PC POOL G08809 FG 04/48 FIXED 4%	297,132	297,807	275,818
FED HM LN PC POOL G16177 FG 01/32 FIXED 2%	620,384	597,743	577,934
FED HM LN PC POOL G30804 FG 01/35 FIXED 4%	203,145	199,244	197,610
FED HM LN PC POOL G61502 FG 02/48 FIXED 5%	178,915	186,156	176,473
FED HM LN PC POOL G61582 FG 08/48 FIXED 4%	346,592	354,875	321,730
FED HM LN PC POOL J34888 FG 07/31 FIXED 2.5%	549,624	538,652	520,408
FED HM LN PC POOL Q44452 FG 11/46 FIXED 3%	444,629	470,070	385,554
FED HM LN PC POOL Q52319 FG 11/47 FIXED 3.5%	136,951	135,884	123,035
FED HM LN PC POOL Q56364 FG 05/48 FIXED 4%	991,214	994,624	920,112
FED HM LN PC POOL Q59805 FG 11/48 FIXED 4.5%	299,804	313,432	286,300
FED HM LN PC POOL QA6364 FR 01/50 FIXED 3.5%	4,450,976	4,048,992	3,993,043
FED HM LN PC POOL QA7234 FR 02/50 FIXED 3%	1,502,522	1,564,974	1,292,779
FED HM LN PC POOL QC0039 FR 03/51 FIXED 2.5%	246,813	256,038	202,404
FED HM LN PC POOL QD6056 FR 02/52 FIXED 3%	435,923	371,145	373,959
FED HM LN PC POOL QD6886 FR 02/52 FIXED 3%	788,117	747,589	670,399
FED HM LN PC POOL QE0375 FR 04/52 FIXED 4%	1,090,626	1,113,161	1,009,067
FED HM LN PC POOL QE0763 FR 04/52 FIXED 3.5%	326,779	294,866	290,022
FED HM LN PC POOL QE2637 FR 05/52 FIXED 3.5%	170,759	153,560	151,253
FED HM LN PC POOL QE3344 FR 06/52 FIXED 3.5%	109,002	97,969	96,491
FED HM LN PC POOL QE4621 FR 06/52 FIXED 3.5%	105,606	94,958	93,529
FED HM LN PC POOL QE5714 FR 07/52 FIXED 3.5%	125,927	113,230	111,525
FED HM LN PC POOL RA2623 FR 05/50 FIXED 2.5%	160,734	136,020	133,064
FED HM LN PC POOL RA2678 FR 06/50 FIXED 2%	112,073	90,697	88,445
FED HM LN PC POOL RA2859 FR 06/50 FIXED 2.5%	583,451	493,742	483,012
FED HM LN PC POOL RA2892 FR 06/50 FIXED 2.5%	204,322	172,906	169,149
FED HM LN PC POOL RA2957 FR 07/50 FIXED 2%	420,367	339,044	330,881
FED HM LN PC POOL RA2969 FR 07/50 FIXED 2.5%	391,117	330,979	323,788
FED HM LN PC POOL RA2976 FR 07/50 FIXED 2.5%	152,488	129,041	126,238
FED HM LN PC POOL RA3019 FR 07/50 FIXED 2.5%	226,142	190,673	186,511
FED HM LN PC POOL RA3201 FR 08/50 FIXED 2.5%	495,147	417,485	408,375
FED HM LN PC POOL RA3202 FR 07/50 FIXED 2.5%	153,650	130,024	127,199
FED HM LN PC POOL RA3224 FR 08/50 FIXED 2%	273,637	220,699	215,386
FED HM LN PC POOL RA3225 FR 08/50 FIXED 2%	272,674	220,663	215,186
FED HM LN PC POOL RA3354 FR 09/50 FIXED 2%	579,158	467,111	455,868
FED HM LN PC POOL RA3454 FR 09/50 FIXED 2%	387,972	313,135	305,380
FED HM LN PC POOL RA3481 FR 09/50 FIXED 2%	350,386	283,549	276,512
FED HM LN PC POOL RA3495 FR 09/50 FIXED 2%	696,520	561,968	548,246
FED HM LN PC POOL RA3673 FR 10/50 FIXED 2%	1,510,404	1,224,955	1,195,045
FED HM LN PC POOL RA3729 FR 10/50 FIXED 2%	424,723	344,175	335,281
FED HM LN PC POOL RA4063 FR 12/50 FIXED 2%	1,838,649	1,490,610	1,451,892
FED HM LN PC POOL RA4119 FR 12/50 FIXED 2%	2,136,004	1,731,682	1,688,224
FED HM LN PC POOL RA4232 FR 12/50 FIXED 2%	366,087	297,060	289,262
FED HM LN PC POOL RA4912 FR 03/51 FIXED 3%	456,609	407,748	389,056
FED HM LN PC POOL RA5286 FR 05/51 FIXED 2.5%	1,135,922	953,198	926,442
FED HM LN PC POOL RA5502 FR 06/51 FIXED 3%	183,204	156,433	156,106
FED HM LN PC POOL RA5931 FR 09/51 FIXED 2%	838,847	749,969	661,938
FED HM LN PC POOL RA6337 FR 11/51 FIXED 2.5%	151,904	128,200	125,360
FED HM LN PC POOL RA6496 FR 12/51 FIXED 2.5%	224,964	188,806	184,847
FED HM LN PC POOL RA6613 FR 01/52 FIXED 3%	675,027	590,225	578,548

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FED HM LN PC POOL RA7135 FR 04/52 FIXED 2.5	1,908,330	1,566,716	1,564,415
FED HM LN PC POOL RA7277 FR 05/52 FIXED 3.5%	149,536	135,479	133,299
FED HM LN PC POOL RA7326 FR 05/52 FIXED 3.5%	126,616	113,732	112,061
FED HM LN PC POOL RA7513 FR 06/52 FIXED 3.5%	236,135	213,870	210,411
FED HM LN PC POOL RA7514 FR 06/52 FIXED 3.5%	376,528	340,050	334,492
FED HM LN PC POOL RA7533 FR 06/52 FIXED 3.5%	188,691	171,382	168,577
FED HM LN PC POOL RB5142 FR 01/42 FIXED 2.5%	167,416	145,639	143,065
FED HM LN PC POOL SB8166 FR 06/37 FIXED 3.5	261,271	247,946	247,017
FED HM LN PC POOL SB8504 FR 10/35 FIXED 2.5%	2,449,386	2,328,525	2,247,949
FED HM LN PC POOL SB8510 FR 02/36 FIXED 2%	1,497,304	1,426,875	1,328,128
FED HM LN PC POOL SC0258 FR 03/42 FIXED 2.5%	124,508	107,996	105,726
FED HM LN PC POOL SD1259 FR 06/52 FIXED 3.5%	112,786	102,420	100,746
FED HM LN PC POOL SD1322 FR 03/52 FIXED 2.5%	180,346	151,720	148,261
FED HM LN PC POOL SD1355 FR 07/52 FIXED 3.5%	484,143	439,819	433,009
FED HM LN PC POOL SD1391 FR 07/52 FIXED 3.5%	117,995	106,661	104,913
FED HM LN PC POOL SD1769 FR 05/52 FIXED 2.5%	214,319	179,966	176,133
FED HM LN PC POOL SD2253 FR 12/52 FIXED 3.5%	298,209	267,983	264,029
FED HM LN PC POOL SD2995 FR 05/52 FIXED 2.5%	1,510,077	1,268,852	1,241,686
FED HM LN PC POOL SD4518 FR 08/53 FIXED 3.5%	290,392	261,028	257,197
FED HM LN PC POOL SD5322 FR 03/53 FIXED 4%	1,048,352	972,888	958,851
FED HM LN PC POOL SD5324 FR 02/53 FIXED 4%	320,113	297,071	292,785
FED HM LN PC POOL SD5758 FR 08/53 FIXED 3.5%	326,615	293,342	288,955
FED HM LN PC POOL SD7530 FR 11/50 FIXED 2.5%	945,607	800,196	782,820
FED HM LN PC POOL SD7536 FR 02/51 FIXED 2.5%	825,941	699,951	684,392
FED HM LN PC POOL SD8024 FR 11/49 FIXED 3%	96,855	101,450	83,444
FED HM LN PC POOL SD8075 FR 07/50 FIXED 3.5%	891,224	938,760	799,107
FED HM LN PC POOL SD8080 FR 06/50 FIXED 2%	2,015,105	1,620,739	1,582,949
FED HM LN PC POOL SD8090 FR 09/50 FIXED 2%	3,694,572	3,736,330	2,900,516
FED HM LN PC POOL SD8104 FR 11/50 FIXED 1.5%	1,494,339	1,462,424	1,107,431
FED HM LN PC POOL SD8106 FR 11/50 FIXED 2%	4,199,935	3,156,287	3,295,302
FED HM LN PC POOL SD8113 FR 12/50 FIXED 2%	360,882	289,800	283,038
FED HM LN PC POOL SD8128 FR 02/51 FIXED 2%	133,091	107,015	103,881
FED HM LN PC POOL SD8134 FR 03/51 FIXED 2%	6,578,853	5,632,690	5,131,817
FED HM LN PC POOL SD8140 FR 04/51 FIXED 2%	3,493,745	2,806,869	2,737,282
FED HM LN PC POOL SD8141 FR 04/51 FIXED 2.5%	6,059,604	6,207,088	4,970,422
FED HM LN PC POOL SD8146 FR 05/51 FIXED 2%	198,252	158,860	155,264
FED HM LN PC POOL SD8147 FR 05/51 FIXED 2.5%	1,445,702	1,196,098	1,187,300
FED HM LN PC POOL SD8150 FR 06/51 FIXED 2%	2,355,272	1,753,615	1,844,196
FED HM LN PC POOL SD8155 FR 07/51 FIXED 2%	990,046	845,210	775,055
FED HM LN PC POOL SD8156 FR 07/51 FIXED 2.5%	421,920	392,945	346,332
FED HM LN PC POOL SD8161 FR 08/51 FIXED 2.5%	422,651	392,326	346,908
FED HM LN PC POOL SD8166 FR 09/51 FIXED 2%	4,003,351	3,258,576	3,132,762
FED HM LN PC POOL SD8195 FR 02/52 FIXED 3	454,269	390,904	386,469
FED HM LN PC POOL SD8202 FR 03/52 FIXED 3.5%	151,036	136,349	134,448
FED HM LN PC POOL SD8207 FR 04/52 FIXED 3.5%	656,570	589,825	581,316
FED HM LN PC POOL SD8214 FR 05/52 FIXED 3.5%	9,577,255	8,717,779	8,483,593
FED HM LN PC POOL SD8215 FR 05/52 FIXED 4%	2,011,869	1,983,235	1,843,107
FED HM LN PC POOL SD8221 FR 06/52 FIXED 3.5%	2,068,685	1,859,150	1,832,487
FED HM LN PC POOL SD8226 FR 07/52 FIXED 3.5%	2,979,809	2,677,599	2,639,581
FED HM LN PC POOL SD8236 FR 08/52 FIXED 3.5%	810,181	728,128	716,680
FED HM LN PC POOL SD8237 FR 08/52 FIXED 4%	1,318,003	1,241,481	1,206,673
FED HM LN PC POOL SD8243 FR 09/52 FIXED 3.5%	2,118,439	1,903,674	1,876,480
FED HM LN PC POOL SD8244 FR 09/52 FIXED 4	4,768,367	4,456,771	4,366,279
FED HM LN PC POOL SD8246 FR 09/52 FIXED 5	1,590,948	1,556,949	1,540,062
FED HM LN PC POOL SD8255 FR 10/52 FIXED 3.5%	987,396	886,923	873,826
FED HM LN PC POOL SD8256 FR 10/52 FIXED 4%	16,550,230	15,283,169	15,144,723
FED HM LN PC POOL SD8258 FR 10/52 FIXED 5%	844,585	826,405	817,506
FED HM LN PC POOL SD8267 FR 11/52 FIXED 5%	1,312,989	1,314,894	1,270,792
FED HM LN PC POOL SD8275 FR 12/52 FIXED 4.5	747,866	716,549	704,083
FED HM LN PC POOL SD8278 FR 12/52 FIXED 6%	2,048,213	2,108,670	2,062,073
FED HM LN PC POOL SD8300 FR 02/53 FIXED 5.5%	7,646,152	7,612,751	7,560,290

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FED HM LN PC POOL SI2106 FR 05/51 FIXED 2.5%	634,596	528,953	517,751
FED HM LN PC POOL SI2107 FR 07/51 FIXED 2.5%	1,354,642	1,129,257	1,105,139
FED HM LN PC POOL T69914 FG 02/48 FIXED 3.5%	109,024	98,049	96,593
FED HM LN PC POOL ZK8515 FR 01/32 FIXED 3%	95,509	99,837	91,323
FED HM LN PC POOL ZL3242 FR 06/42 FIXED 3.5%	87,259	93,308	79,477
FED HM LN PC POOL ZS4754 FR 02/48 FIXED 3%	296,843	301,480	256,929
FED HM LN PC POOL ZS4772 FR 06/48 FIXED 4%	263,478	263,867	244,248
FED HM LN PC POOL ZT0536 FR 03/48 FIXED 3.5%	2,807,123	2,565,171	2,519,644
FEDERAL FARM CREDIT BANK BONDS 03/25 1.21%	5,775,000	5,778,823	5,745,476
FEDERAL FARM CREDIT BANK BONDS 08/31 3.16%	4,727,000	4,769,127	4,325,247
FEDERAL FARM CREDIT BANK BONDS 10/29 4.375%	17,000,000	17,376,438	16,965,154
FEDERAL FARM CREDIT BANK BONDS 11/25 VAR	8,000,000	8,007,060	8,007,060
FEDERAL HOME LOAN BANK BONDS 04/27 4.75	3,000,000	2,993,906	3,041,769
FEDERAL HOME LOAN BANK BONDS 12/30 4.75%	16,000,000	16,390,878	16,147,148
FERGUSON ENTERPRISES INC COMPANY GUAR 10/34 5%	1,565,000	1,563,926	1,496,713
FHLMC MULTIFAMILY STRUCTURED P FHMS K 1511 X1	601,283	28,895	28,949
FHLMC MULTIFAMILY STRUCTURED P FHMS K055 X1	360,091	4,798	4,733
FHLMC MULTIFAMILY STRUCTURED P FHMS K056 X1	121,398	1,662	1,643
FHLMC MULTIFAMILY STRUCTURED P FHMS K062 X1	1,004,342	4,954	5,036
FHLMC MULTIFAMILY STRUCTURED P FHMS K064 X1	1,265,851	14,259	13,762
FHLMC MULTIFAMILY STRUCTURED P FHMS K065 X1	1,531,387	20,404	20,452
FHLMC MULTIFAMILY STRUCTURED P FHMS K066 X1	1,219,042	17,394	17,813
FHLMC MULTIFAMILY STRUCTURED P FHMS K067 X1	1,563,590	18,591	18,870
FHLMC MULTIFAMILY STRUCTURED P FHMS K069 X1	312,392	2,606	2,621
FHLMC MULTIFAMILY STRUCTURED P FHMS K070 X1	660,434	5,211	5,435
FHLMC MULTIFAMILY STRUCTURED P FHMS K071 X1	849,720	5,396	5,454
FHLMC MULTIFAMILY STRUCTURED P FHMS K089 X1	1,764,739	33,485	34,030
FHLMC MULTIFAMILY STRUCTURED P FHMS K091 X1	880,084	18,259	18,477
FHLMC MULTIFAMILY STRUCTURED P FHMS K092 X1	1,662,294	42,241	42,870
FHLMC MULTIFAMILY STRUCTURED P FHMS K093 X1	770,949	25,327	25,642
FHLMC MULTIFAMILY STRUCTURED P FHMS K094 X1	1,098,537	35,495	36,188
FHLMC MULTIFAMILY STRUCTURED P FHMS K095 X1	762,704	26,211	26,627
FHLMC MULTIFAMILY STRUCTURED P FHMS K096 X1	1,868,609	76,883	77,865
FHLMC MULTIFAMILY STRUCTURED P FHMS K097 X1	837,128	34,070	34,559
FHLMC MULTIFAMILY STRUCTURED P FHMS K098 X1	1,615,686	69,526	70,453
FHLMC MULTIFAMILY STRUCTURED P FHMS K099 X1	1,756,220	59,230	59,974
FHLMC MULTIFAMILY STRUCTURED P FHMS K101 X1	676,991	22,174	22,452
FHLMC MULTIFAMILY STRUCTURED P FHMS K102 X1	1,892,731	61,114	61,852
FHLMC MULTIFAMILY STRUCTURED P FHMS K152 X1	405,700	17,083	17,155
FHLMC MULTIFAMILY STRUCTURED P FHMS K154 X1	1,237,135	20,042	20,042
FIFTH THIRD BANCORP SR UNSECURED 07/29 VAR	1,325,000	1,325,000	1,374,538
FLORIDA POWER + LIGHT CO 1ST MORTGAGE 03/48 3.95%	1,100,000	1,094,873	865,030
FLORIDA POWER + LIGHT CO 1ST MORTGAGE 12/51 2.875%	1,670,000	1,669,375	1,045,663
FMC CORP SR UNSECURED 05/26 5.15%	2,495,000	2,493,372	2,497,540
FNMA POOL AL5863 FN 06/41 FIXED 4.5%	147,580	144,384	142,555
FNMA POOL AL7384 FN 09/45 FIXED 4.5%	100,882	98,650	97,646
FNMA POOL AL7487 FN 10/45 FIXED 4.0%	1,165,691	1,193,844	1,082,080
FNMA POOL AL9781 FN 02/46 FIXED 4.5%	343,982	381,503	332,198
FNMA POOL AL9840 FN 03/37 FIXED 4%	104,248	101,035	99,945
FNMA POOL AO7352 FN 08/42 FIXED 3.5%	581,578	572,918	529,704
FNMA POOL AQ8490 FN 01/43 FIXED 3%	181,884	177,258	160,275
FNMA POOL AS1092 FN 11/43 FIXED 4%	233,263	235,402	218,842
FNMA POOL AS1317 FN 12/43 FIXED 4%	165,776	167,110	155,528
FNMA POOL AS3114 FN 08/29 FIXED 2.5%	63,595	62,478	60,955
FNMA POOL AS6191 FN 11/45 FIXED 3.5%	760,997	745,909	682,750
FNMA POOL AS6311 FN 12/45 FIXED 3.5%	134,536	131,910	120,704
FNMA POOL AS8269 FN 11/46 FIXED 3%	248,965	262,286	216,209
FNMA POOL AS8572 FN 12/46 FIXED 3.5%	1,363,767	1,365,803	1,223,524
FNMA POOL AS8650 FN 01/47 FIXED 3%	691,833	675,753	597,258
FNMA POOL AS8983 FN 03/47 FIXED 4.5%	104,075	101,046	99,748
FNMA POOL AS9618 FN 05/47 FIXED 4.5%	191,432	196,937	182,606

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FNMA POOL AS9986 FN 07/47 FIXED 4.5%	398,382	430,927	381,408
FNMA POOL AU1706 FN 08/43 FIXED 3%	956,265	1,008,826	843,535
FNMA POOL BD2402 FN 12/31 FIXED 3%	456,336	455,319	436,323
FNMA POOL BF0617 FN 03/62 FIXED 2.5%	461,566	370,131	367,154
FNMA POOL BH4101 FN 10/47 FIXED 3.5%	1,757,146	1,859,494	1,576,458
FNMA POOL BH5739 FN 11/47 FIXED 4.5%	229,393	248,313	219,761
FNMA POOL BJ0669 FN 03/33 FIXED 3.5%	230,049	231,803	222,059
FNMA POOL BJ9262 FN 06/48 FIXED 4.5%	102,583	99,153	97,872
FNMA POOL BM2004 FN 01/48 FIXED 4.5%	41,948	43,814	40,196
FNMA POOL BM3386 FN 02/47 FIXED 4%	155,774	147,064	144,602
FNMA POOL BM4092 FN 08/43 FIXED 2.5%	518,722	546,513	440,862
FNMA POOL BM4716 FN 12/30 FIXED 3.5%	115,356	115,334	112,452
FNMA POOL BM4804 FN 11/33 FIXED 4%	340,883	331,915	329,661
FNMA POOL BM6944 FN 05/52 FLOATING VAR	500,730	446,684	444,277
FNMA POOL BM7260 FN 07/53 FLOATING VAR	125,273	122,072	121,486
FNMA POOL BN0340 FN 12/48 FIXED 4.5%	127,842	134,271	121,842
FNMA POOL BN0641 FN 09/48 FIXED 4%	551,507	589,625	510,679
FNMA POOL BN6824 FN 03/49 FIXED 4%	651,825	695,511	603,851
FNMA POOL BP6618 FN 08/50 FIXED 2.5%	2,656,213	2,723,983	2,188,649
FNMA POOL BP8607 FN 06/50 FIXED 2.5%	3,682,735	3,777,722	3,047,957
FNMA POOL BR1092 FN 06/41 FIXED 2%	386,884	327,391	322,790
FNMA POOL BR2208 FN 08/41 FIXED 2%	355,272	300,133	295,915
FNMA POOL BR7793 FN 04/51 FIXED 2.5%	2,835,950	2,933,423	2,322,222
FNMA POOL BT9404 FN 11/41 FIXED 2%	268,642	226,564	223,508
FNMA POOL BU1194 FN 03/42 FIXED 2.5%	123,503	107,132	105,232
FNMA POOL BU8763 FN 04/52 FIXED 3%	1,308,625	1,242,249	1,113,360
FNMA POOL BU8931 FN 04/52 FIXED 3.5%	467,153	420,067	413,867
FNMA POOL BU9817 FN 02/52 FIXED 3.5%	163,708	171,557	146,314
FNMA POOL BU9818 FN 02/52 FIXED 3.5%	1,006,770	1,053,164	897,236
FNMA POOL BV2509 FN 06/52 FIXED 4%	268,394	249,504	245,925
FNMA POOL BV5397 FN 04/52 FIXED 3.5%	99,121	90,047	88,590
FNMA POOL BV5398 FN 04/52 FIXED 3.5%	116,246	105,320	103,652
FNMA POOL BV5582 FN 05/52 FIXED 3.5%	116,321	104,552	103,008
FNMA POOL BV9868 FN 05/52 FIXED 3.5%	268,983	241,857	238,302
FNMA POOL BV9913 FN 06/52 FIXED 3.5	246,661	221,810	218,538
FNMA POOL BV9928 FN 06/52 FIXED 3.5%	124,165	111,598	109,950
FNMA POOL CA0349 FN 09/47 FIXED 5%	197,071	208,070	193,939
FNMA POOL CA0562 FN 10/47 FIXED 5%	645,885	680,715	636,213
FNMA POOL CA0789 FN 11/32 FIXED 3.5%	132,595	133,115	127,963
FNMA POOL CA1831 FN 06/33 FIXED 4%	164,272	167,990	160,858
FNMA POOL CA5966 FN 06/50 FIXED 2.5%	129,355	109,665	107,188
FNMA POOL CA6035 FN 06/50 FIXED 2.5%	384,180	325,108	318,042
FNMA POOL CA6140 FN 06/50 FIXED 2%	328,304	265,697	259,102
FNMA POOL CA6237 FN 07/50 FIXED 2%	213,947	173,148	168,808
FNMA POOL CA6238 FN 07/50 FIXED 2.5%	323,140	273,452	267,511
FNMA POOL CA6247 FN 07/50 FIXED 2.5%	225,367	190,714	186,571
FNMA POOL CA6252 FN 07/50 FIXED 2%	220,473	178,430	173,957
FNMA POOL CA6257 FN 07/50 FIXED 2.5%	521,992	441,730	432,133
FNMA POOL CA6266 FN 07/50 FIXED 2.5%	268,670	226,532	221,588
FNMA POOL CA6389 FN 07/50 FIXED 2%	345,873	278,977	272,262
FNMA POOL CA6401 FN 07/50 FIXED 2.5%	141,330	119,163	116,562
FNMA POOL CA6514 FN 07/50 FIXED 2.5%	501,674	422,989	413,758
FNMA POOL CA6527 FN 07/50 FIXED 2.5%	533,587	451,540	441,729
FNMA POOL CA6564 FN 08/50 FIXED 2.5%	510,607	432,092	422,706
FNMA POOL CA6694 FN 08/50 FIXED 2%	391,243	315,682	307,974
FNMA POOL CA6714 FN 08/50 FIXED 2.5%	443,055	374,926	366,781
FNMA POOL CA6924 FN 09/50 FIXED 2%	478,835	387,693	377,902
FNMA POOL CA6930 FN 09/50 FIXED 2.5%	200,355	168,928	165,243
FNMA POOL CA6942 FN 09/50 FIXED 2%	353,558	286,389	279,031
FNMA POOL CA6949 FN 09/50 FIXED 2.5%	317,785	268,918	263,077
FNMA POOL CA6954 FN 09/50 FIXED 2%	361,127	291,485	284,269

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FNMA POOL CA6990 FN 09/50 FIXED 2.5%	163,267	138,413	135,287
FNMA POOL CA7728 FN 11/50 FIXED 2.5%	295,332	249,710	244,282
FNMA POOL CA8098 FN 12/50 FIXED 2%	502,399	407,490	396,860
FNMA POOL CA8100 FN 12/50 FIXED 2%	381,391	309,483	301,366
FNMA POOL CA8103 FN 12/50 FIXED 2%	659,532	533,067	519,829
FNMA POOL CA8427 FN 12/50 FIXED 2%	620,884	503,360	490,286
FNMA POOL CA8440 FN 01/51 FIXED 2%	505,221	409,962	399,202
FNMA POOL CA8572 FN 01/51 FIXED 2%	625,550	507,602	494,278
FNMA POOL CA8597 FN 01/51 FIXED 2.5%	311,711	263,671	258,045
FNMA POOL CA8813 FN 02/51 FIXED 2%	344,312	279,380	272,218
FNMA POOL CA8847 FN 02/51 FIXED 2%	138,680	112,528	109,609
FNMA POOL CA8895 FN 02/51 FIXED 2.5%	594,217	498,780	488,138
FNMA POOL CA9090 FN 02/51 FIXED 2.5%	723,530	607,324	593,968
FNMA POOL CB0090 FN 04/51 FIXED 2%	3,134,533	2,499,305	2,451,426
FNMA POOL CB0738 FN 06/51 FIXED 3%	2,696,177	2,477,985	2,299,117
FNMA POOL CB2287 FN 12/51 FIXED 2.5%	2,895,950	2,448,112	2,387,887
FNMA POOL CB2537 FN 01/52 FIXED 2.5%	696,724	588,898	575,410
FNMA POOL CB2604 FN 01/52 FIXED 2%	542,477	438,291	427,656
FNMA POOL CB2606 FN 01/52 FIXED 2%	731,005	588,328	574,294
FNMA POOL CB2623 FN 01/52 FIXED 2.5%	686,595	580,336	567,045
FNMA POOL CB2628 FN 01/52 FIXED 2.5%	550,675	463,310	453,044
FNMA POOL CB2858 FN 02/52 FIXED 2.5%	822,188	764,067	677,573
FNMA POOL CB2859 FN 02/52 FIXED 2.5%	165,918	139,584	136,499
FNMA POOL CB3126 FN 03/52 FIXED 3.5%	1,634,565	1,449,202	1,461,144
FNMA POOL CB3333 FN 04/52 FIXED 3.5%	407,381	368,001	362,116
FNMA POOL CB3577 FN 05/52 FIXED 3%	357,238	312,331	306,319
FNMA POOL CB3592 FN 05/52 FIXED 3.5%	389,498	352,775	347,259
FNMA POOL CB3604 FN 05/52 FIXED 3.5%	231,910	210,077	206,788
FNMA POOL CB3605 FN 05/52 FIXED 3.5%	148,722	134,330	132,186
FNMA POOL CB3843 FN 06/52 FIXED 3.5%	287,312	259,485	255,346
FNMA POOL CB3845 FN 06/52 FIXED 3.5%	221,540	199,892	196,692
FNMA POOL CB4082 FN 07/52 FIXED 3.5%	243,437	219,651	216,122
FNMA POOL CB4328 FN 08/52 FIXED 3.5%	196,247	176,937	174,108
FNMA POOL CB4532 FN 06/52 FIXED 3.5%	416,629	374,613	369,107
FNMA POOL CB4809 FN 10/52 FIXED 4%	451,633	419,751	413,729
FNMA POOL FM0021 FN 03/49 FIXED 4.0%	2,015,684	2,158,663	1,867,755
FNMA POOL FM3473 FN 06/50 FIXED 2.5%	114,261	96,341	94,298
FNMA POOL FM3478 FN 06/50 FIXED 2.5%	263,877	223,303	218,451
FNMA POOL FM3994 FN 07/47 FIXED 3.5%	2,056,728	2,219,627	1,873,420
FNMA POOL FM4132 FN 09/46 FIXED 3.0%	833,828	889,299	734,865
FNMA POOL FM4141 FN 09/50 FIXED 2.5%	145,376	122,575	120,052
FNMA POOL FM4228 FN 08/50 FIXED 2.5%	131,250	111,270	108,757
FNMA POOL FM4817 FN 06/49 FIXED 5.0%	418,136	424,235	410,717
FNMA POOL FM5976 FN 02/51 FIXED 2%	694,174	562,769	548,198
FNMA POOL FM7441 FN 05/51 FIXED 3.0%	248,854	212,498	212,149
FNMA POOL FM7599 FN 01/51 FIXED 3.5%	2,188,470	1,989,943	1,957,178
FNMA POOL FM8206 FN 08/51 FIXED 2.5%	100,536	84,870	82,989
FNMA POOL FM8325 FN 07/35 FIXED 2.5%	3,129,643	2,939,944	2,939,073
FNMA POOL FM8768 FN 02/51 FIXED 2.5%	203,743	171,730	168,036
FNMA POOL FM8850 FN 09/41 FIXED 2.5%	141,727	122,470	119,931
FNMA POOL FM9480 FN 11/51 FIXED 2.5%	299,880	251,871	246,624
FNMA POOL FM9558 FN 11/41 FIXED 2.5%	174,724	151,194	148,283
FNMA POOL FM9874 FN 12/51 FIXED 2.5%	497,335	420,389	410,759
FNMA POOL FM9958 FN 11/51 FIXED 3.5%	249,403	224,409	221,265
FNMA POOL FS0363 FN 01/52 FIXED 2.5%	304,780	256,424	250,758
FNMA POOL FS0377 FN 02/52 FIXED 2.5%	685,799	575,561	563,777
FNMA POOL FS0605 FN 02/52 FIXED 2.5%	679,043	571,303	559,486
FNMA POOL FS0896 FN 12/51 FIXED 3.0%	498,553	457,572	428,956
FNMA POOL FS1201 FN 01/50 FIXED 3.0%	427,007	408,560	363,177
FNMA POOL FS1228 FN 03/52 FIXED 3.0%	2,041,027	1,939,979	1,743,353
FNMA POOL FS1376 FN 12/51 FIXED 3.0%	1,338,392	1,159,777	1,150,513

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FNMA POOL FS1427 FN 02/50 FIXED 3.0%	377,138	359,042	325,077
FNMA POOL FS1530 FN 04/52 FIXED 3%	356,332	312,570	306,314
FNMA POOL FS1554 FN 04/52 FIXED 3.5%	503,797	456,449	449,218
FNMA POOL FS1583 FN 04/52 FIXED 3.0%	2,091,045	1,990,089	1,792,659
FNMA POOL FS1864 FN 05/52 FIXED 3.5%	379,123	343,434	338,007
FNMA POOL FS1865 FN 05/52 FIXED 3.5%	371,741	335,773	330,407
FNMA POOL FS2136 FN 06/52 FIXED 3.5%	347,561	314,848	309,909
FNMA POOL FS2137 FN 06/52 FIXED 3.5%	469,108	423,717	416,947
FNMA POOL FS2139 FN 06/52 FIXED 3.5%	234,068	211,397	208,025
FNMA POOL FS2920 FN 07/36 FIXED 3.0%	2,189,876	2,062,792	2,048,437
FNMA POOL FS3816 FN 12/52 FIXED 3.5%	1,278,150	1,148,745	1,131,798
FNMA POOL FS4055 FN 01/35 FIXED 2.5%	4,013,976	3,694,205	3,683,780
FNMA POOL FS4058 FN 12/36 FIXED 2.5%	4,392,929	4,024,575	4,017,760
FNMA POOL FS4227 FN 04/53 FIXED 3.5%	324,008	291,251	286,957
FNMA POOL FS6596 FN 10/53 FIXED 3.5%	1,165,015	1,047,553	1,032,128
FNMA POOL FS7754 FN 07/53 FIXED VAR	835,327	775,194	764,015
FNMA POOL FS7755 FN 02/53 FIXED 4%	535,045	496,531	489,368
FNMA POOL FS8195 FN 04/52 FIXED 2%	239,387	191,863	187,389
FNMA POOL FS8361 FN 12/53 FIXED 3.5%	638,947	573,852	565,307
FNMA POOL MA0971 FN 02/42 FIXED 4%	94,385	95,264	89,023
FNMA POOL MA1983 FN 08/34 FIXED 4 4%	98,022	96,012	95,212
FNMA POOL MA2781 FN 10/46 FIXED 2.5%	746,157	702,555	622,743
FNMA POOL MA2863 FN 01/47 FIXED 3%	909,554	958,318	788,009
FNMA POOL MA2923 FN 03/37 FIXED 3.5 3.5%	180,693	173,563	172,308
FNMA POOL MA2995 FN 05/47 FIXED 4%	311,369	313,352	288,709
FNMA POOL MA3027 FN 06/47 FIXED 4%	1,418,031	1,451,011	1,319,759
FNMA POOL MA3076 FN 07/32 FIXED 2.5%	828,909	780,827	777,801
FNMA POOL MA3101 FN 08/47 FIXED 4.5%	159,366	163,870	152,477
FNMA POOL MA3114 FN 08/32 FIXED 2.5%	920,039	866,584	865,247
FNMA POOL MA3124 FN 09/32 FIXED 2.5%	881,037	829,765	828,033
FNMA POOL MA3183 FN 11/47 FIXED 4%	214,269	215,134	198,630
FNMA POOL MA3184 FN 11/47 FIXED 4.5%	247,920	255,850	236,296
FNMA POOL MA3238 FN 01/48 FIXED 3.5%	1,913,755	2,012,180	1,716,949
FNMA POOL MA3284 FN 02/33 FIXED 3.5%	432,479	435,504	418,474
FNMA POOL MA3416 FN 07/48 FIXED 4.5%	1,161,428	1,243,504	1,108,224
FNMA POOL MA3537 FN 12/48 FIXED 4.5%	620,984	649,839	592,085
FNMA POOL MA3871 FN 12/49 FIXED 3%	89,528	93,763	76,839
FNMA POOL MA3897 FN 01/35 FIXED 3%	132,795	138,604	124,716
FNMA POOL MA3937 FN 02/50 FIXED 3%	2,741,932	2,860,661	2,360,022
FNMA POOL MA3960 FN 03/50 FIXED 3%	705,150	734,423	605,878
FNMA POOL MA4014 FN 05/35 FIXED 3%	3,568,413	3,362,659	3,337,874
FNMA POOL MA4043 FN 06/35 FIXED 3	904,051	845,986	849,535
FNMA POOL MA4077 FN 07/50 FIXED 2%	942,662	971,482	739,841
FNMA POOL MA4119 FN 09/50 FIXED 2%	1,890,871	1,893,558	1,481,077
FNMA POOL MA4158 FN 10/50 FIXED 2%	6,512,857	6,485,603	5,111,397
FNMA POOL MA4159 FN 10/50 FIXED 2.5%	3,766,258	3,932,508	3,084,653
FNMA POOL MA4181 FN 11/50 FIXED 1.5%	5,092,213	4,436,797	3,765,190
FNMA POOL MA4208 FN 12/50 FIXED 2%	67,122	56,751	52,618
FNMA POOL MA4209 FN 12/50 FIXED 1.5%	4,250,081	4,144,906	3,145,584
FNMA POOL MA4236 FN 01/51 FIXED 1.5%	3,619,744	2,955,971	2,674,829
FNMA POOL MA4237 FN 01/51 FIXED 2%	5,607,645	4,807,722	4,374,045
FNMA POOL MA4255 FN 02/51 FIXED 2%	72,798	61,546	57,076
FNMA POOL MA4281 FN 03/51 FIXED 2%	1,294,354	1,153,199	1,014,414
FNMA POOL MA4285 FN 03/31 FIXED 2%	1,074,073	1,001,932	1,009,161
FNMA POOL MA4302 FN 04/36 FIXED 1.5%	416,702	361,007	359,419
FNMA POOL MA4305 FN 04/51 FIXED 2%	4,745,713	3,825,607	3,718,588
FNMA POOL MA4306 FN 04/51 FIXED 2.5%	9,895,436	10,179,001	8,130,884
FNMA POOL MA4325 FN 05/51 FIXED 2%	18,453,758	14,915,995	14,456,887
FNMA POOL MA4329 FN 05/36 FIXED 2%	1,205,457	1,084,377	1,068,437
FNMA POOL MA4377 FN 07/51 FIXED 1.5%	409,265	328,244	302,643
FNMA POOL MA4378 FN 07/51 FIXED 2%	591,375	469,459	463,008

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FNMA POOL MA4398 FN 08/51 FIXED 2%	5,235,761	4,380,437	4,094,276
FNMA POOL MA4399 FN 08/51 FIXED 2.5%	5,301,620	4,553,395	4,340,666
FNMA POOL MA4414 FN 09/51 FIXED 2.5%	1,315,478	1,091,356	1,082,264
FNMA POOL MA4415 FN 09/51 FIXED 3%	2,409,839	2,147,477	2,057,697
FNMA POOL MA4438 FN 10/51 FIXED 2.5%	454,706	400,854	371,629
FNMA POOL MA4465 FN 11/51 FIXED 2%	278,095	222,414	217,430
FNMA POOL MA4466 FN 11/51 FIXED 2.5%	16,951,714	14,322,677	13,888,167
FNMA POOL MA4467 FN 11/51 FIXED 3%	421,130	381,135	359,831
FNMA POOL MA4475 FN 11/41 FIXED 2.5%	111,060	96,887	94,906
FNMA POOL MA4497 FN 12/36 FIXED 2%	1,595,854	1,432,034	1,411,432
FNMA POOL MA4523 FN 01/32 FIXED 2%	2,224,563	2,057,392	2,073,753
FNMA POOL MA4536 FN 02/37 FIXED 2%	3,098,194	2,687,746	2,739,850
FNMA POOL MA4539 FN 02/42 FIXED 1.5%	419,004	389,039	330,628
FNMA POOL MA4570 FN 03/42 FIXED 2%	311,349	262,200	257,832
FNMA POOL MA4579 FN 04/52 FIXED 3%	2,858,549	2,354,632	2,429,969
FNMA POOL MA4599 FN 05/52 FIXED 3	7,985,940	6,779,938	6,790,995
FNMA POOL MA4600 FN 05/52 FIXED 3.5%	21,147,168	19,191,625	18,735,011
FNMA POOL MA4625 FN 06/52 FIXED 3.5%	2,972,651	2,671,260	2,632,403
FNMA POOL MA4626 FN 06/52 FIXED 4%	5,420,912	4,948,236	4,964,635
FNMA POOL MA4653 FN 07/52 FIXED 3	1,132,712	962,841	962,762
FNMA POOL MA4654 FN 07/52 FIXED 3.5	3,739,234	3,360,110	3,312,721
FNMA POOL MA4655 FN 07/52 FIXED 4%	111,876	103,885	102,393
FNMA POOL MA4684 FN 06/52 FIXED 4.5%	3,017,328	2,899,255	2,841,747
FNMA POOL MA4686 FN 06/52 FIXED 5%	1,990,104	1,929,261	1,926,606
FNMA POOL MA4731 FN 09/52 FIXED 3.5%	1,473,189	1,323,435	1,304,037
FNMA POOL MA4732 FN 09/52 FIXED 4%	3,887,801	3,634,621	3,559,965
FNMA POOL MA4733 FN 09/52 FIXED 4.5	6,077,767	5,798,984	5,726,105
FNMA POOL MA4737 FN 08/52 FIXED 5	403,230	389,684	390,364
FNMA POOL MA4782 FN 10/52 FIXED 3.5%	201,433	180,916	178,305
FNMA POOL MA4783 FN 10/52 FIXED 4	3,052,186	2,810,247	2,794,499
FNMA POOL MA4785 FN 10/52 FIXED 5%	3,205,733	3,150,284	3,102,950
FNMA POOL MA4803 FN 11/52 FIXED 3.5%	255,977	229,904	226,498
FNMA POOL MA4804 FN 11/52 FIXED 4%	269,594	250,189	246,820
FNMA POOL MA4807 FN 11/52 FIXED 5.5%	421,329	423,332	417,893
FNMA POOL MA4839 FN 12/52 FIXED 4%	8,832,487	8,301,571	8,080,249
FNMA POOL MA4867 FN 01/53 FIXED 4.5%	6,892,080	6,808,034	6,484,136
FNMA POOL MA4894 FN 01/53 FIXED 6%	2,984,809	2,973,827	3,002,558
FNMA POOL MA4902 FN 01/53 FIXED 3.5%	231,517	208,041	204,983
FNMA POOL MA4918 FN 02/53 FIXED 5%	2,293,483	2,229,381	2,219,415
FNMA POOL MA4977 FN 04/53 FIXED 4.5%	2,477,025	2,350,278	2,330,807
FNMA POOL MA4979 FN 04/53 FIXED 5.5%	4,615,821	4,485,250	4,557,314
FNMA POOL MA5010 FN 05/53 FIXED 5.5%	6,049,241	5,985,571	5,979,835
FNMA POOL MA5108 FN 08/53 FIXED 6%	3,967,537	4,010,414	3,991,656
FNMA POOL MA5139 FN 09/53 FIXED 6%	2,210,922	2,205,854	2,223,684
FNMA POOL MA5190 FN 11/53 FIXED 5.5%	3,888,626	3,904,936	3,840,059
FNMA TBA 30 YR 2.5 SINGLE FAMILY MORTGAGE	-	21,306	-
FNMA TBA 30 YR 2.5 SINGLE FAMILY MORTGAGE 09/54	-	(1,843)	-
FNMA TBA 30 YR 3.5 SINGLE FAMILY MORTGAGE	-	18,487	-
FNMA TBA 30 YR 3.5 SINGLE FAMILY MORTGAGE 01/55	(2,000,000)	(1,779,453)	(1,768,142)
FNMA TBA 30 YR 3.5 SINGLE FAMILY MORTGAGE 09/54	-	31,967	-
FNMA TBA 30 YR 4 SINGLE FAMILY MORTGAGE 01/55	(2,500,000)	(2,306,152)	(2,285,128)
FNMA TBA 30 YR 5 SINGLE FAMILY MORTGAGE 01/55	-	5,176	-
FNMA TBA 30 YR 5 SINGLE FAMILY MORTGAGE 02/55	(500,000)	(490,723)	(482,153)
FNMA TBA 30 YR 5.5 SINGLE FAMILY MORTGAGE 01/55	28,500,000	28,488,203	28,114,962
FNMA TBA 30 YR 6 SINGLE FAMILY MORTGAGE 01/55	500,000	506,035	502,523
FORD CREDIT AUTO OWNER TRUST FORDO 2020 C C	1,000,000	999,834	998,438
FORD CREDIT AUTO OWNER TRUST FORDO 2022 A C	1,020,000	1,019,989	996,932
FORD CREDIT AUTO OWNER TRUST FORDO 2023 B B	4,400,000	4,399,142	4,470,141
FORD CREDIT AUTO OWNER TRUST FORDO 2024 B A3	585,000	591,568	591,793
FORD CREDIT AUTO OWNER TRUST FORDO 2024 D A3	1,016,000	1,015,968	1,016,612
FORD MOTOR CREDIT CO LLC SR UNSECURED 02/29 2.9%	2,190,000	1,955,907	1,961,090

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
FORD MOTOR CREDIT CO LLC SR UNSECURED 03/29 5.8	1,870,000	1,889,356	1,871,336
FORD MOTOR CREDIT CO LLC SR UNSECURED 03/30 7.35%	1,950,000	2,045,883	2,065,599
FORD MOTOR CREDIT CO LLC SR UNSECURED 05/27 4.95%	220,000	217,869	217,972
FORD MOTOR CREDIT CO LLC SR UNSECURED 05/28 6.8	585,000	605,540	604,543
FORD MOTOR CREDIT CO LLC SR UNSECURED 06/25 5.125%	565,000	564,576	564,653
FORD MOTOR CREDIT CO LLC SR UNSECURED 08/25 4.134%	275,000	273,076	273,298
FORD MOTOR CREDIT CO LLC SR UNSECURED 08/26 2.7%	810,000	777,081	777,859
FORD MOTOR CREDIT CO LLC SR UNSECURED 11/25 3.375%	805,000	792,147	792,385
FORD MOTOR CREDIT CO LLC SR UNSECURED 11/26 5.125%	1,085,000	1,083,842	1,084,097
FORD MOTOR CREDIT CO LLC SR UNSECURED 11/27 7.35%	255,000	267,445	266,975
FREDDIE MAC FHR 2109 PE	23,103	24,443	23,406
FREDDIE MAC FHR 2121 PH	19,896	20,936	20,181
FREDDIE MAC FHR 2156 ZA	39,057	40,443	38,224
FREDDIE MAC FHR 2322 CJ	73,682	76,038	72,707
FREDDIE MAC FHR 2496 PG	429,025	457,854	436,736
FREDDIE MAC FHR 2731 ZA	219,460	227,875	216,409
FREDDIE MAC FHR 3014 AZ	48,118	49,687	47,322
FREDDIE MAC FHR 3018 MG	727,677	794,706	740,092
FREDDIE MAC FHR 3033 DJ	163,091	169,436	165,421
FREDDIE MAC FHR 3045 LZ	404,981	420,020	390,014
FREDDIE MAC FHR 3065 TZ	183,086	188,434	179,428
FREDDIE MAC FHR 3091 GZ	186,799	197,010	183,007
FREDDIE MAC FHR 3153 ZL	589,601	603,604	576,757
FREDDIE MAC FHR 3202 ZL	571,908	592,596	560,300
FREDDIE MAC FHR 3248 ZL	564,274	580,153	548,893
FREDDIE MAC FHR 3284 AZ	45,741	47,202	44,220
FREDDIE MAC FHR 3336 KC	1,177,307	1,224,206	1,204,961
FREDDIE MAC FHR 4139 CB	3,262,003	2,893,203	2,621,864
FREDDIE MAC FHR 4139 PB	4,171,360	3,711,311	3,534,540
FREDDIE MAC FHR 4215 LZ	107,343	98,984	97,672
FREDDIE MAC FHR 4281 BC	106,109	104,821	103,624
FREDDIE MAC FHR 4385 EZ	129,152	109,237	108,868
FREDDIE MAC FHR 4434 LZ	127,550	107,874	107,373
FREDDIE MAC FHR 5019 IP	778,689	108,311	129,148
FREDDIE MAC FHR 5020 IH	603,372	75,907	104,346
FREDDIE MAC FHR 5021 SB	3,436,571	171,121	67,257
FREDDIE MAC FHR 5222 SA	455,258	8,214	5,368
FREDDIE MAC FHR 5281 AY	1,014,328	828,519	795,918
FREDDIE MAC UNSECURED 09/25 0.375%	3,100,000	3,098,646	3,014,774
FREDDIEMAC STRIP FHS 406 PO	3,454,303	2,733,264	2,798,365
GE HEALTHCARE TECH INC SR UNSECURED 08/29 4.8%	75,000	75,028	74,305
GE HEALTHCARE TECH INC SR UNSECURED 11/32 5.905%	520,000	548,999	541,095
GENERAL MOTORS CO SR UNSECURED 04/36 6.6%	3,396,000	3,890,956	3,565,671
GENERAL MOTORS FINL CO SR UNSECURED 02/25 2.9%	2,135,000	2,135,077	2,127,306
GENERAL MOTORS FINL CO SR UNSECURED 10/28 2.4%	3,550,000	3,208,304	3,218,310
GILEAD SCIENCES INC SR UNSECURED 10/40 2.6%	4,175,000	2,951,282	2,896,972
GLOBAL PAYMENTS INC SR UNSECURED 02/25 2.65%	1,200,000	1,199,993	1,196,246
GM FINANCIAL SECURITIZED TERM GMCAR 2023 3 B	1,250,000	1,249,778	1,274,744
GM FINANCIAL SECURITIZED TERM GMCAR 2024 4 A3	185,000	184,711	184,427
GNMA II POOL 005260 G2 12/41 FIXED 4.5%	872,001	918,893	854,090
GNMA II POOL MA1998 G2 06/44 FIXED 5%	321,727	340,262	320,784
GNMA II POOL MA2076 G2 07/44 FIXED 5%	268,323	283,932	267,536
GNMA II POOL MA2962 G2 07/45 FIXED 4%	224,672	231,217	210,530
GNMA II POOL MA3522 G2 03/46 FIXED 4%	456,288	468,382	428,724
GNMA II POOL MA3873 G2 08/46 FIXED 3%	305,515	299,264	268,765
GNMA II POOL MA3937 G2 09/46 FIXED 3.5%	87,675	87,536	79,284
GNMA II POOL MA4003 G2 10/46 FIXED 3%	975,410	902,176	855,805
GNMA II POOL MA4004 G2 10/46 FIXED 3.5%	353,965	355,148	320,088
GNMA II POOL MA4006 G2 10/46 FIXED 4.5%	354,706	369,515	342,579
GNMA II POOL MA4125 G2 12/46 FIXED 2.5%	280,561	266,298	238,692
GNMA II POOL MA4320 G2 03/47 FIXED 3%	665,033	703,547	584,931

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
GNMA II POOL MA4721 G2 09/47 FIXED 4.5%	267,297	274,413	257,406
GNMA II POOL MA4839 G2 11/47 FIXED 4.5%	160,347	164,476	154,018
GNMA II POOL MA4961 G2 01/48 FIXED 3%	168,851	178,753	148,021
GNMA II POOL MA4964 G2 01/48 FIXED 4.5%	322,370	332,828	309,439
GNMA II POOL MA5020 G2 02/48 FIXED 4%	259,209	266,389	241,758
GNMA II POOL MA5264 G2 06/48 FIXED 4%	357,589	373,214	333,474
GNMA II POOL MA5398 G2 08/48 FIXED 4%	205,561	212,934	191,573
GNMA II POOL MA5399 G2 08/48 FIXED 4.5%	188,200	195,569	180,417
GNMA II POOL MA5529 G2 10/48 FIXED 4.5%	175,349	182,518	168,080
GNMA II POOL MA5593 G2 11/48 FIXED 3%	290,576	298,765	255,290
GNMA II POOL MA5594 G2 11/48 FIXED 3.5%	861,307	891,947	776,884
GNMA II POOL MA5762 G2 02/49 FIXED 3.5%	1,554,633	1,644,187	1,403,089
GNMA II POOL MA5763 G2 02/49 FIXED 4%	4,320,219	4,080,751	4,024,409
GNMA II POOL MA5817 G2 03/49 FIXED 4%	717,295	764,645	668,070
GNMA II POOL MA5874 G2 04/49 FIXED 3%	405,498	416,360	355,948
GNMA II POOL MA5876 G2 04/49 FIXED 4%	916,805	877,237	853,745
GNMA II POOL MA5985 G2 06/49 FIXED 3.5%	7,298,439	7,114,802	6,564,156
GNMA II POOL MA6038 G2 07/49 FIXED 3%	482,547	504,561	421,932
GNMA II POOL MA6090 G2 08/49 FIXED 3.5%	1,328,101	1,406,901	1,197,757
GNMA II POOL MA6153 G2 09/49 FIXED 3%	1,185,815	1,235,245	1,035,234
GNMA II POOL MA6338 G2 12/49 FIXED 3%	4,532,895	4,724,926	3,951,679
GNMA II POOL MA6409 G2 01/50 FIXED 3%	1,142,432	1,103,151	995,354
GNMA II POOL MA6411 G2 01/50 FIXED 4%	2,233,999	2,356,637	2,077,143
GNMA II POOL MA6474 G2 02/50 FIXED 3%	99,720	96,075	86,840
GNMA II POOL MA6476 G2 02/50 FIXED 4%	152,628	145,992	141,855
GNMA II POOL MA6768 G2 07/50 FIXED 4%	228,663	218,763	212,518
GNMA II POOL MA6865 G2 09/50 FIXED 2.5%	145,739	128,461	122,043
GNMA II POOL MA6866 G2 09/50 FIXED 3%	291,594	280,915	253,857
GNMA II POOL MA6931 G2 10/50 FIXED 2.5%	8,000,352	7,154,627	6,701,104
GNMA II POOL MA6995 G2 11/50 FIXED 2.5%	509,297	448,899	426,481
GNMA II POOL MA7135 G2 01/51 FIXED 2%	3,743,131	3,103,179	2,993,885
GNMA II POOL MA7254 G2 03/51 FIXED 2%	984,315	997,131	787,629
GNMA II POOL MA7255 G2 03/51 FIXED 2.5%	512,790	451,786	428,314
GNMA II POOL MA7312 G2 04/51 FIXED 2.5%	6,250,099	5,455,621	5,220,447
GNMA II POOL MA7314 G2 04/51 FIXED 3.5%	1,772,541	1,650,096	1,594,840
GNMA II POOL MA7471 G2 07/51 FIXED 2%	802,660	796,924	641,980
GNMA II POOL MA7472 G2 07/51 FIXED 2.5%	909,954	799,358	760,036
GNMA II POOL MA7473 G2 07/51 FIXED 3%	838,077	745,580	727,278
GNMA II POOL MA7534 G2 08/51 FIXED 2.5%	2,921,442	2,746,228	2,440,117
GNMA II POOL MA7589 G2 09/51 FIXED 2.5%	1,828,109	1,593,534	1,526,913
GNMA II POOL MA7591 G2 09/51 FIXED 3.5%	1,168,455	1,092,161	1,047,357
GNMA II POOL MA7648 G2 10/51 FIXED 2%	1,018,865	925,656	815,054
GNMA II POOL MA7650 G2 10/51 FIXED 3%	2,404,413	2,209,881	2,086,019
GNMA II POOL MA7704 G2 11/51 FIXED 2%	927,001	764,413	741,563
GNMA II POOL MA7706 G2 11/51 FIXED 3%	392,844	377,943	340,632
GNMA II POOL MA7768 G2 12/51 FIXED 3%	421,495	409,084	365,673
GNMA II POOL MA7827 G2 01/52 FIXED 2.5%	7,041,864	6,218,506	5,881,448
GNMA II POOL MA7880 G2 02/52 FIXED 2%	7,141,221	5,652,062	5,714,794
GNMA II POOL MA7883 G2 02/52 FIXED 3.5%	10,818,137	9,897,223	9,668,479
GNMA II POOL MA8491 G2 12/52 FIXED 5.5%	1,431,136	1,441,464	1,422,447
GNMA II POOL MA8570 G2 01/53 FIXED 5.5%	5,963,810	6,027,714	5,936,203
GNMA II TBA 30 YR 2.5%	-	(2,202)	-
GNMA II TBA 30 YR 3.5 JUMBOS 01/55	-	(35,156)	-
GNMA II TBA 30 YR 3.5 JUMBOS 02/55	-	(7,500)	-
GNMA II TBA 30 YR 3.5 JUMBOS 10/54	-	(933)	-
GNMA II TBA 30 YR 4.5%	-	(18,268)	-
GNMA II TBA 30 YR 5.5 JUMBOS 01/55	2,000,000	1,996,875	1,982,968
GOLDMAN SACHS GROUP INC SR UNSECURED 01/32 VAR	645,000	645,000	532,646
GOLDMAN SACHS GROUP INC SR UNSECURED 02/26 3.75%	2,600,000	2,611,720	2,571,342
GOLDMAN SACHS GROUP INC SR UNSECURED 02/33 VAR	1,990,000	1,990,000	1,715,508
GOLDMAN SACHS GROUP INC SR UNSECURED 03/27 VAR	1,275,000	1,275,000	1,223,970

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
GOLDMAN SACHS GROUP INC SR UNSECURED 03/28 VAR	1,205,000	1,175,277	1,172,000
GOLDMAN SACHS GROUP INC SR UNSECURED 04/30 VAR	230,000	237,050	234,715
GOLDMAN SACHS GROUP INC SR UNSECURED 07/32 VAR	1,985,000	1,985,000	1,656,454
GOLDMAN SACHS GROUP INC SR UNSECURED 07/42 VAR	2,700,000	1,901,146	1,877,936
GOLDMAN SACHS GROUP INC SR UNSECURED 10/30 VAR	160,000	158,522	156,683
GOLDMAN SACHS GROUP INC SR UNSECURED 10/32 VAR	1,745,000	1,745,000	1,475,249
GOVERNMENT NATIONAL MORTGAGE A GNR 2013 126 BK	141,839	134,238	124,395
GOVERNMENT NATIONAL MORTGAGE A GNR 2014 125 A	20,249	19,640	19,757
GOVERNMENT NATIONAL MORTGAGE A GNR 2014 166 PX	384,912	365,990	322,790
GOVERNMENT NATIONAL MORTGAGE A GNR 2014 44 DL	2,426,000	2,441,090	2,032,042
GOVERNMENT NATIONAL MORTGAGE A GNR 2014 47 AG	33,020	32,267	30,912
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H02 BF	119,593	119,600	119,641
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H03 F	133,463	133,480	133,515
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H13 FQ	143,677	143,961	144,059
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H17 FQ	104,676	104,751	104,861
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H20 BF	252,836	252,174	252,570
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H20 FG	121,024	120,690	120,889
GOVERNMENT NATIONAL MORTGAGE A GNR 2017 H22 FA	224,418	223,796	223,478
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 121 KS	1,341,116	27,637	21,259
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 148 DS	1,712,758	35,326	29,562
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 155 PS	2,949,896	39,360	26,561
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 H02 HF	166,627	165,796	166,075
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 H03 FD	128,001	126,659	127,217
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 H04 FJ	128,570	127,887	128,121
GOVERNMENT NATIONAL MORTGAGE A GNR 2018 H17 DF	111,548	110,650	110,991
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 92 S	5,295,755	63,165	31,759
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 97 MS	3,170,931	45,748	25,617
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 99 SA	2,760,987	46,645	29,795
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 H17 FA	107,097	107,244	107,418
GOVERNMENT NATIONAL MORTGAGE A GNR 2019 H17 FB	221,757	220,360	220,274
GOVERNMENT NATIONAL MORTGAGE A GNR 2020 H06 FA	222,796	220,369	220,432
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 114 TI	2,413,022	340,654	337,784
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 165 ST	689,890	425	169
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 H12 EF	131,044	134,331	134,726
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 H17 FA	111,919	111,508	111,823
GOVERNMENT NATIONAL MORTGAGE A GNR 2021 H19 FM	130,905	130,256	130,262
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 126 CS	6,449,600	120,531	90,020
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 133 SA	2,351,058	34,387	39,007
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 148 DS	2,432,045	40,129	29,831
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 178 SA	17,635,549	667,705	761,549
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 46 S	1,157,995	25,747	11,637
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 51 SC	5,298,604	121,899	83,600
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 66 SB	1,731,538	48,994	29,869
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 68 SP	1,407,532	35,036	29,706
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 78 MS	4,619,951	104,900	72,504
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 78 SB	3,078,777	52,730	53,925
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 93 GS	1,094,011	23,830	16,877
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 93 IO	10,731,681	1,173,222	1,193,516
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H01 FA	170,670	166,602	166,739
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H02 FC	398,739	398,707	399,814
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H04 HF	610,251	607,499	607,511
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H06 FA	352,530	348,434	348,663
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H06 FC	204,955	202,277	202,341
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H07 AF	113,804	112,935	112,963
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H07 BF	413,610	410,190	410,261
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H07 F	106,018	105,910	106,065
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H07 FB	296,816	294,522	294,611
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H08 FE	179,860	178,406	178,432
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H08 FL	333,889	332,064	332,083
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H09 FC	225,640	223,657	223,694
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H10 FA	359,133	361,450	362,524

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H11 EF	153,376	153,375	153,764
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H11 F	624,847	623,519	623,472
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H12 FA	860,887	860,882	860,750
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H20 FB	138,600	138,831	138,809
GOVERNMENT NATIONAL MORTGAGE A GNR 2022 H23 FA	818,749	830,294	832,838
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H08 EF	233,377	236,945	237,396
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H08 FD	486,637	492,423	493,705
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H08 FE	142,137	143,356	143,713
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H08 FG	113,041	116,145	116,322
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H13 FJ	201,258	203,752	204,433
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H23 DF	285,891	296,316	296,667
GOVERNMENT NATIONAL MORTGAGE A GNR 2023 H23 FH	265,954	271,735	272,357
GS MORTGAGE SECURITIES TRUST GSMS 2019 GC42 A3	4,400,000	3,932,692	3,965,221
GS MORTGAGE SECURITIES TRUST GSMS 2020 GC47 A4	5,700,000	5,749,417	4,939,170
GS MORTGAGE SECURITIES TRUST GSMS 2021 GSA3 A4	7,000,000	7,063,868	5,843,298
HCA INC COMPANY GUAR 03/27 3.125%	140,000	135,199	134,708
HCA INC COMPANY GUAR 06/26 5.25%	40,000	40,140	40,099
HCA INC COMPANY GUAR 06/29 4.125%	310,000	299,794	295,709
HESS CORP SR UNSECURED 08/31 7.3%	3,874,000	4,334,923	4,304,121
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 3 A3	120,000	120,185	120,093
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 4 A3	255,000	254,013	253,753
HOST HOTELS + RESORTS LP SR UNSECURED 07/34 5.7%	1,490,000	1,499,999	1,487,949
HOST HOTELS + RESORTS LP SR UNSECURED 09/30 3.5%	1,015,000	930,234	919,274
HP ENTERPRISE CO SR UNSECURED 09/26 4.45%	3,085,000	3,084,894	3,069,223
HSBC HOLDINGS PLC SR UNSECURED 03/30 4.95%	230,000	230,955	227,661
HSBC HOLDINGS PLC SR UNSECURED 06/31 VAR	365,000	325,822	320,427
HSBC HOLDINGS PLC SUBORDINATED 03/33 VAR	775,000	744,770	727,591
HSBC HOLDINGS PLC SUBORDINATED 05/36 6.5%	780,000	845,049	810,766
HSBC HOLDINGS PLC SUBORDINATED 09/37 6.5%	660,000	707,791	678,285
HSBC HOLDINGS PLC SUBORDINATED 11/33 VAR	580,000	669,808	652,699
ICON INVESTMENTS SIX DAC SR SECURED 05/29 5.849	1,905,000	1,905,000	1,941,703
ILLINOIS ST ILS 06/33 FIXED 5.1%	1,562,353	1,559,606	1,540,308
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 02/30 5.5	590,000	597,755	596,390
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/25 4.25%	2,095,000	2,085,694	2,084,228
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/26 3.5	325,000	318,411	318,023
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/27 6.125%	310,000	318,607	318,349
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/29 3.875%	875,000	831,496	826,790
IMPERIAL BRANDS FIN PLC COMPANY GUAR 144A 07/34 5.875	225,000	228,026	224,287
INTER AMERICAN DEVEL BK SR UNSECURED 06/25 7%	1,700,000	1,727,798	1,719,164
ISRAEL ST 07/25 3.92%	10,000,000	10,000,017	9,974,309
JBS USA HOLD/FOOD/LUX CO COMPANY GUAR 02/29 3	5,050,000	4,560,693	4,606,520
JEFFERIES FIN GROUP INC SR UNSECURED 07/28 5.875%	2,580,000	2,569,244	2,638,650
JOHNSON + JOHNSON SR UNSECURED 03/37 3.625%	3,615,000	4,058,241	3,136,031
JPMBB COMMERCIAL MORTGAGE SECU JPMBB 2016 C1 A4	4,014,563	3,789,326	3,955,494
JPMDB COMMERCIAL MORTGAGE SECU JPMDB 2017 C5 A4	3,344,554	3,239,165	3,243,482
JPMORGAN CHASE + CO JR SUBORDINA 09/30 8.75%	285,000	338,036	334,241
JPMORGAN CHASE + CO JR SUBORDINA 12/99 VAR	2,660,000	2,660,069	2,638,753
JPMORGAN CHASE + CO SR UNSECURED 01/28 VAR	165,000	166,089	165,600
JPMORGAN CHASE + CO SR UNSECURED 02/28 VAR	2,200,000	2,196,772	2,153,512
JPMORGAN CHASE + CO SR UNSECURED 02/32 VAR	3,870,000	3,870,000	3,208,388
JPMORGAN CHASE + CO SR UNSECURED 03/31 VAR	1,270,000	1,250,267	1,237,705
JPMORGAN CHASE + CO SR UNSECURED 04/29 VAR	4,255,000	4,219,932	4,126,171
JPMORGAN CHASE + CO SR UNSECURED 04/30 VAR	3,100,000	3,100,000	3,162,394
JPMORGAN CHASE + CO SR UNSECURED 04/31 VAR	235,000	209,112	206,922
JPMORGAN CHASE + CO SR UNSECURED 04/32 VAR	1,330,000	1,330,000	1,141,129
JPMORGAN CHASE + CO SR UNSECURED 04/33 VAR	170,000	165,761	163,143
JPMORGAN CHASE + CO SR UNSECURED 06/29 VAR	1,640,000	1,640,000	1,490,647
JPMORGAN CHASE + CO SR UNSECURED 10/28 VAR	305,000	303,465	302,302
JPMORGAN CHASE + CO SR UNSECURED 10/30 VAR	4,185,000	4,232,303	3,769,747
JPMORGAN CHASE + CO SUBORDINATED 05/31 VAR	3,210,000	3,152,690	2,871,516
JPMORGAN CHASE + CO SUBORDINATED 10/27 4.25%	455,000	451,922	451,597

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
JPMORGAN CHASE + CO SUBORDINATED 12/26 4.125%	405,000	401,399	400,745
KEYCORP SR UNSECURED 03/35 VAR	800,000	800,135	833,324
KIMCO REALTY OP LLC COMPANY GUAR 10/30 2.7%	3,180,000	3,171,373	2,822,560
KIMCO REALTY OP LLC COMPANY GUAR 12/31 2.25%	2,510,000	2,502,313	2,084,006
KINDER MORGAN ENER PART COMPANY GUAR 01/38 6.95%	270,000	296,799	292,807
KINDER MORGAN ENER PART COMPANY GUAR 02/37 6.5%	175,000	187,440	182,954
KINDER MORGAN ENER PART COMPANY GUAR 08/42 5%	265,000	237,145	230,998
KINDER MORGAN ENER PART COMPANY GUAR 09/39 6.5%	250,000	263,369	261,506
KINDER MORGAN INC COMPANY GUAR 02/33 4.8	90,000	86,974	85,583
KINDER MORGAN INC COMPANY GUAR 08/50 3.25%	2,125,000	2,094,637	1,347,975
LABORATORY CORP OF AMER SR UNSECURED 12/29 2.95%	2,155,000	2,015,341	1,955,616
LLOYDS BANKING GROUP PLC SR UNSECURED 03/28 VAR	360,000	351,589	350,279
LLOYDS BANKING GROUP PLC SR UNSECURED 06/30 VAR	405,000	416,059	411,976
LLOYDS BANKING GROUP PLC SUBORDINATED 03/26 4.65%	690,000	685,821	685,917
LLOYDS BANKING GROUP PLC SUBORDINATED 11/33 VAR	540,000	614,993	602,919
LLOYDS BANKING GROUP PLC SUBORDINATED 12/25 4.582%	275,000	273,473	273,765
LPL HOLDINGS INC COMPANY GUAR 05/27 5.7	1,380,000	1,379,576	1,396,895
MACY S RETAIL HLDGS LLC COMPANY GUAR 144A 07/34 6.7%	190,000	164,172	164,130
MARKEL GROUP INC SR UNSECURED 09/50 4.15%	535,000	545,871	406,905
MARRIOTT INTERNATIONAL SR UNSECURED 03/35 5.35	1,480,000	1,471,331	1,462,393
MARRIOTT INTERNATIONAL SR UNSECURED 04/29 4.9%	540,000	534,950	539,017
MARRIOTT INTERNATIONAL SR UNSECURED 10/32 3.5%	4,122,000	3,590,855	3,637,312
MASS INSTITUTE OF TECH UNSECURED 07/16 3.885%	1,180,000	1,095,782	828,021
MIZUHO FINANCIAL GROUP SR UNSECURED 05/30 VAR	3,945,000	3,945,000	3,985,063
MORGAN STANLEY BAML TRUST MSBAM 2015 C26 ASB	205,907	210,974	205,219
MORGAN STANLEY BAML TRUST MSBAM 2016 C31 A4	4,055,703	3,749,081	3,945,009
MORGAN STANLEY BAML TRUST MSBAM 2016 C32 A3	4,143,533	3,884,862	4,046,044
MORGAN STANLEY CAPITAL I TRUST MSC 2017 HR2 A3	10,895,940	10,989,852	10,397,143
MORGAN STANLEY SR UNSECURED 01/29 VAR	787,000	771,039	758,653
MORGAN STANLEY SR UNSECURED 01/30 VAR	2,970,000	3,016,079	2,891,443
MORGAN STANLEY SR UNSECURED 01/33 VAR	820,000	820,000	703,116
MORGAN STANLEY SR UNSECURED 04/32 VAR	5,630,000	5,232,759	4,605,938
MORGAN STANLEY SR UNSECURED 07/27 VAR	9,430,000	8,718,090	8,963,325
MORGAN STANLEY SR UNSECURED 07/32 VAR	3,465,000	3,452,729	2,871,935
MORGAN STANLEY SUBORDINATED 09/26 4.35%	3,700,000	3,741,562	3,671,028
MOTOROLA SOLUTIONS INC SR UNSECURED 05/31 2.75%	3,426,000	2,930,011	2,966,185
MPLX LP SR UNSECURED 06/25 4.875%	5,000,000	5,018,153	4,996,620
MPLX LP SR UNSECURED 06/34 5.5	3,575,000	3,533,427	3,526,864
MPLX LP SR UNSECURED 08/30 2.65%	2,435,000	2,433,742	2,130,735
MYLAN INC COMPANY GUAR 11/43 5.4%	1,850,000	2,320,866	1,656,970
NATWEST GROUP PLC SR UNSECURED 03/34 VAR	245,000	256,722	251,015
NATWEST GROUP PLC SR UNSECURED 06/27 VAR	2,245,000	2,204,100	2,142,110
NATWEST GROUP PLC SR UNSECURED 09/29 VAR	555,000	569,993	565,893
NATWEST GROUP PLC SUBORDINATED 06/34 VAR	455,000	471,662	466,980
NAVIENT STUDENT LOAN TRUST NAVSL 2015 3 A2	129,704	128,110	128,703
NAVIENT STUDENT LOAN TRUST NAVSL 2016 1A A 144A	427,722	424,738	425,071
NAVIENT STUDENT LOAN TRUST NAVSL 2016 5A A 144A	6,197,319	6,278,838	6,216,130
NAVIENT STUDENT LOAN TRUST NAVSL 2016 6A A3 144A	387,762	392,459	390,894
NAVIENT STUDENT LOAN TRUST NAVSL 2016 7A A 144A	531,584	535,400	530,416
NAVIENT STUDENT LOAN TRUST NAVSL 2017 1A A3 144A	546,434	545,398	550,344
NAVIENT STUDENT LOAN TRUST NAVSL 2017 2A A 144A	438,553	439,564	439,582
NAVIENT STUDENT LOAN TRUST NAVSL 2017 3A A3 144A	770,549	770,548	772,368
NAVIENT STUDENT LOAN TRUST NAVSL 2017 4A A3 144A	355,863	356,518	355,884
NAVIENT STUDENT LOAN TRUST NAVSL 2017 5A A 144A	676,283	674,041	667,579
NAVIENT STUDENT LOAN TRUST NAVSL 2018 1A A3 144A	328,879	326,608	323,463
NAVIENT STUDENT LOAN TRUST NAVSL 2018 3A A3 144A	362,985	361,731	351,364
NAVIENT STUDENT LOAN TRUST NAVSL 2018 4A A2 144A	396,279	393,041	390,024
NAVIENT STUDENT LOAN TRUST NAVSL 2019 1A A2 144A	453,614	453,180	450,667
NAVIENT STUDENT LOAN TRUST NAVSL 2019 2A A2 144A	387,194	387,364	382,536
NAVIENT STUDENT LOAN TRUST NAVSL 2019 3A A 144A	152,975	153,322	151,604
NAVIENT STUDENT LOAN TRUST NAVSL 2019 4A A2 144A	135,530	134,376	134,480

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
NAVIENT STUDENT LOAN TRUST NAVSL 2020 1A A1B 144A	124,530	124,254	122,762
NAVIENT STUDENT LOAN TRUST NAVSL 2020 2A A1B 144A	223,887	223,064	223,426
NAVIENT STUDENT LOAN TRUST NAVSL 2021 1A A1B 144A	125,892	124,348	124,767
NAVIENT STUDENT LOAN TRUST NAVSL 2021 2A A1B 144A	175,805	173,470	171,705
NELNET STUDENT LOAN TRUST NSLT 2020 5A A 144A	159,802	159,601	159,600
NETAPP INC SR UNSECURED 06/25 1.875%	1,720,000	1,719,888	1,693,749
NEVADA POWER CO GENL REF MOR 05/41 5.45%	1,026,000	1,185,753	991,497
NEW JERSEY ST TURNPIKE AUTH TU NJSTRN 01/40 FIXED 7.414%	140,000	164,113	160,384
NEW JERSEY ST TURNPIKE AUTH TU NJSTRN 01/41 FIXED 7.102%	510,000	582,649	569,556
NEWMONT CORP COMPANY GUAR 06/44 5.45%	890,000	1,203,885	860,120
NEXTERA ENERGY CAPITAL COMPANY GUAR 03/25 6.051%	6,850,000	6,853,744	6,862,145
NEXTERA ENERGY CAPITAL COMPANY GUAR 03/29 4.9	690,000	694,440	687,893
NEXTERA ENERGY CAPITAL COMPANY GUAR 07/27 4.625%	480,000	480,917	479,321
NEXTERA ENERGY CAPITAL COMPANY GUAR 09/25 5.749%	160,000	160,942	160,981
NISOURCE INC SR UNSECURED 02/31 1.7%	935,000	934,570	764,685
NOMURA HOLDINGS INC SR UNSECURED 07/31 2.608%	595,000	595,000	501,282
NORDSON CORP SR UNSECURED 09/28 5.6%	550,000	549,909	561,738
NORDSTROM INC SR UNSECURED 03/28 6.95%	70,000	72,292	71,756
NORTHERN STATES PWR MINN 1ST MORTGAGE 11/39 5.35%	1,384,000	1,641,187	1,360,281
NORTHERN TRUST CORP SR UNSECURED 05/30 1.95%	3,210,000	3,203,215	2,771,065
NORTHWEST PIPELINE LLC SR UNSECURED 04/27 4%	3,080,000	3,058,346	3,022,558
NORTHWESTERN UNIVERSITY UNSECURED 12/38 3.688%	875,000	860,768	746,666
NORTHWESTERN UNIVERSITY UNSECURED 12/57 3.662%	1,500,000	1,457,966	1,102,072
NUTRIEN LTD SR UNSECURED 01/45 5.25%	639,000	687,316	587,251
OHIO POWER COMPANY SR UNSECURED 06/49 4%	1,550,000	1,546,642	1,163,924
OHIO ST UNIV OHSHGR 06/11 FIXED OID 4.8%	1,500,000	1,605,163	1,275,523
ONEOK INC COMPANY GUAR 03/29 4.35%	1,150,000	1,148,298	1,119,446
ONEOK INC COMPANY GUAR 07/47 4.95%	405,000	413,695	342,948
ONEOK INC COMPANY GUAR 07/48 5.2%	1,222,000	1,146,662	1,077,700
ONEOK INC COMPANY GUAR 09/33 6.05%	1,580,000	1,579,684	1,626,262
ONEOK INC COMPANY GUAR 09/53 6.625%	725,000	676,937	763,149
OPTICS BIDCO SPA SR SECURED 144A 06/38 7.721%	410,000	437,753	431,000
OVINTIV INC COMPANY GUAR 05/25 5.65%	5,220,000	5,217,492	5,232,235
PACIFIC GAS + ELECTRIC 1ST MORTGAGE 07/50 4.95%	1,325,000	1,018,015	1,148,787
PECO ENERGY CO 1ST MORTGAGE 06/50 2.8%	330,000	329,702	206,030
PENTAIR FINANCE SARL COMPANY GUAR 07/29 4.5%	2,990,000	2,980,854	2,907,007
PETROLEOS MEXICANOS COMPANY GUAR 01/45 6.375%	470,000	327,359	314,477
PETROLEOS MEXICANOS COMPANY GUAR 01/50 7.69%	3,520,000	2,738,629	2,655,840
PETROLEOS MEXICANOS COMPANY GUAR 02/32 6.7%	2,115,000	1,884,530	1,839,953
PETROLEOS MEXICANOS COMPANY GUAR 02/48 6.35%	80,000	55,203	52,561
PETROLEOS MEXICANOS COMPANY GUAR 03/27 6.5%	5,700,000	5,834,351	5,510,608
PETROLEOS MEXICANOS COMPANY GUAR 06/35 6.625%	660,000	534,280	519,827
PETROLEOS MEXICANOS COMPANY GUAR 06/41 6.5%	155,000	112,763	110,150
PETROLEOS MEXICANOS COMPANY GUAR 06/44 5.5	1,000,000	932,885	621,540
PETROLEOS MEXICANOS COMPANY GUAR 09/47 6.75%	310,000	222,781	213,117
PHILIP MORRIS INTL INC SR UNSECURED 02/29 4.875	180,000	181,210	179,758
PHILIP MORRIS INTL INC SR UNSECURED 02/30 5.125%	8,050,000	7,999,297	8,088,057
PHILIP MORRIS INTL INC SR UNSECURED 02/31 5.125	125,000	126,817	125,078
PHILIP MORRIS INTL INC SR UNSECURED 02/33 5.375%	275,000	279,866	275,598
PHILIP MORRIS INTL INC SR UNSECURED 11/29 5.625%	100,000	103,907	103,033
PHILIP MORRIS INTL INC SR UNSECURED 11/32 5.75%	120,000	125,406	123,553
PIONEER NATURAL RESOURCE SR UNSECURED 01/31 2.15%	1,815,000	1,812,047	1,540,846
PIONEER NATURAL RESOURCE SR UNSECURED 08/30 1.9%	3,000,000	2,892,660	2,555,760
PNC FINANCIAL SERVICES SR UNSECURED 06/26 VAR	1,785,000	1,784,430	1,792,588
PNC FINANCIAL SERVICES SR UNSECURED 06/29 VAR	2,615,000	2,615,000	2,660,416
PRES + FELLOWS OF HARVAR UNSECURED 07/56 3.3%	1,330,000	1,205,655	913,610
PRES + FELLOWS OF HARVAR UNSECURED 10/38 5.625%	1,190,000	1,605,629	1,240,345
PROLOGIS LP SR UNSECURED 02/31 1.75%	1,090,000	908,814	903,410
PROLOGIS LP SR UNSECURED 04/30 2.25%	2,085,000	2,088,741	1,823,739
PROSUS NV COMPANY GUAR 144A 07/27 4.85%	680,000	669,648	666,843
PROSUS NV SR UNSECURED 144A 01/30 3.68%	740,000	679,579	667,935

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
PROSUS NV SR UNSECURED 144A 01/32 4.193%	470,000	429,373	418,867
PROSUS NV SR UNSECURED 144A 01/52 4.987	1,295,000	1,048,426	1,010,152
PROSUS NV SR UNSECURED 144A 07/31 3.061%	1,940,000	1,668,946	1,628,897
PROVINCE OF ALBERTA SR UNSECURED 03/28 3.3%	275,000	274,826	265,215
PROVINCE OF ALBERTA SR UNSECURED 07/30 1.3%	535,000	527,529	446,750
PUB SVC NEW HAMP 1ST MORTGAGE 10/33 5.35	1,570,000	1,580,757	1,586,189
PUBLIC SERVICE COLORADO 1ST MORTGAGE 05/25 2.9%	3,000,000	3,000,000	2,976,410
PUBLIC SERVICE ELECTRIC 1ST MORTGAGE 05/29 3.2%	2,780,000	2,774,833	2,604,855
PUBLIC SERVICE ELECTRIC 1ST MORTGAGE 12/47 3.6%	1,370,000	1,382,863	1,011,609
PUBLIC SERVICE ELECTRIC SECURED 03/33 4.65%	1,570,000	1,568,775	1,519,613
PUBLIC STORAGE OP CO COMPANY GUAR 11/31 2.25%	1,735,000	1,734,668	1,451,595
QUEST DIAGNOSTICS INC SR UNSECURED 12/34 5%	2,895,000	2,884,194	2,816,002
REALTY INCOME CORP SR UNSECURED 01/31 3.25%	2,320,000	2,382,141	2,094,806
REALTY INCOME CORP SR UNSECURED 03/33 1.8%	150,000	148,406	114,833
REALTY INCOME CORP SR UNSECURED 12/32 2.85%	2,160,000	2,240,195	1,822,593
RELX CAPITAL INC COMPANY GUAR 05/32 4.75%	815,000	809,392	794,416
REPUBLIC OF COLOMBIA SR UNSECURED 01/26 4.5%	1,000,000	1,015,684	986,500
REPUBLIC OF COLOMBIA SR UNSECURED 02/44 5.625%	370,000	282,622	271,950
REPUBLIC OF COLOMBIA SR UNSECURED 05/49 5.2%	290,000	201,747	194,445
REPUBLIC OF COLOMBIA SR UNSECURED 06/45 5%	300,000	209,521	202,200
REPUBLIC OF COLOMBIA SR UNSECURED 11/36 7.75%	450,000	444,191	440,055
REPUBLIC OF COLOMBIA SR UNSECURED 11/54 8.375%	400,000	389,264	387,460
REPUBLIC OF INDONESIA SR UNSECURED 01/28 3.5%	2,000,000	1,995,956	1,909,151
REPUBLIC OF INDONESIA SR UNSECURED 03/32 3.55%	1,000,000	926,935	895,192
REPUBLIC OF PANAMA SR UNSECURED 03/28 3.875%	1,000,000	1,016,753	921,563
REPUBLIC OF PANAMA SR UNSECURED 04/50 4.5%	410,000	408,427	252,774
REPUBLIC OF PANAMA SR UNSECURED 04/53 4.3%	670,000	750,663	391,683
REPUBLIC OF PERU SR UNSECURED 01/31 2.783%	827,000	828,773	705,018
REYNOLDS AMERICAN INC COMPANY GUAR 08/35 5.7%	1,748,000	1,610,564	1,753,492
RICE UNIVERSITY UNSECURED 11/47 3.567%	1,500,000	1,421,100	1,148,245
ROGERS COMMUNICATIONS IN COMPANY GUAR 02/34 5.3	3,270,000	3,243,221	3,189,488
ROPER TECHNOLOGIES INC SR UNSECURED 09/27 1.4%	1,600,000	1,599,115	1,465,348
RPM INTERNATIONAL INC SR UNSECURED 01/32 2.95%	1,400,000	1,397,719	1,204,079
RTX CORP SR UNSECURED 03/31 6%	195,000	207,117	204,696
RTX CORP SR UNSECURED 03/34 6.1%	215,000	230,743	226,451
RTX CORP SR UNSECURED 11/28 4.125%	1,155,000	1,154,848	1,124,080
SANDS CHINA LTD SR UNSECURED 08/28 5.65%	1,082,000	1,027,652	1,069,933
SANTANDER DRIVE AUTO RECEIVABL SDART 2021 2 D	1,038,773	1,038,691	1,028,668
SANTANDER DRIVE AUTO RECEIVABL SDART 2022 1 C	516,061	516,036	515,182
SANTANDER DRIVE AUTO RECEIVABL SDART 2022 7 C	2,031,000	2,066,989	2,085,411
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 1 C	500,000	499,933	501,750
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 2 C	1,865,000	1,844,776	1,881,996
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 3 C	1,500,000	1,499,799	1,524,515
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 4 C	2,500,000	2,499,471	2,553,492
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 5 C	3,900,000	3,899,976	4,037,048
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 6 B	1,100,000	1,099,811	1,119,106
SANTANDER DRIVE AUTO RECEIVABL SDART 2023 6 C	300,000	299,922	309,313
SANTANDER DRIVE AUTO RECEIVABL SDART 2024 2 C	1,500,000	1,499,868	1,529,373
SANTANDER DRIVE AUTO RECEIVABL SDART 2024 3 C	5,000,000	4,999,558	5,068,742
SANTANDER DRIVE AUTO RECEIVABL SDART 2024 4 C	3,100,000	3,099,410	3,088,620
SANTANDER DRIVE AUTO RECEIVABL SDART 2024 5 C	2,500,000	2,499,797	2,481,472
SBA POOL 540037 SBA 07/32 FLOATING VAR	432,832	481,949	468,110
SENTARA HEALTHCARE SR UNSECURED 11/51 2.927%	3,300,000	3,386,413	2,111,471
SERVICENOW INC SR UNSECURED 09/30 1.4%	1,925,000	1,920,821	1,599,759
SHERWIN WILLIAMS CO SR UNSECURED 09/31 4.8%	1,000,000	997,222	986,065
SHIRE ACQ INV IRELAND DA COMPANY GUAR 09/26 3.2%	83,000	82,458	81,116
SKYWORKS SOLUTIONS INC SR UNSECURED 06/26 1.8%	1,880,000	1,879,738	1,800,595
SLM STUDENT LOAN TRUST SLMA 2004 3A A6A 144A	111,560	110,309	109,444
SLM STUDENT LOAN TRUST SLMA 2004 8A A6 144A	211,561	209,540	208,128
SLM STUDENT LOAN TRUST SLMA 2007 6 A5	128,994	124,862	125,791
SLM STUDENT LOAN TRUST SLMA 2012 5 A3	248,402	247,002	248,051

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
SMB PRIVATE EDUCATION LOAN TRU SMB 2022 D A1A 144A	486,387	487,921	477,959
SMB PRIVATE EDUCATION LOAN TRU SMB 2023 B A1A 144A	556,469	548,716	543,023
SMB PRIVATE EDUCATION LOAN TRU SMB 2023 D A1A 144A	527,267	545,292	539,159
SMB PRIVATE EDUCATION LOAN TRU SMB 2024 A A1A 144A	838,739	844,098	839,342
SMB PRIVATE EDUCATION LOAN TRU SMB 2024 C A1A 144A	121,433	122,949	121,555
SMB PRIVATE EDUCATION LOAN TRU SMB 2024 E A1A 144A	249,159	248,923	245,792
SOUTHERN CAL EDISON 1ST MORTGAGE 02/51 2.95%	2,350,000	2,335,159	1,477,247
SOUTHERN CAL EDISON 1ST MORTGAGE 06/26 4.9%	1,500,000	1,491,991	1,502,524
SOUTHERN CAL EDISON 1ST MORTGAGE 06/31 5.45	1,110,000	1,109,518	1,127,830
SOUTHERN CO JR SUBORDINA 01/51 VAR	1,110,000	1,090,769	1,087,737
SOUTHERN CO JR SUBORDINA 08/27 5.113%	590,000	594,821	594,899
SOUTHERN CO JR SUBORDINA 09/51 VAR	510,000	490,464	488,385
SOUTHERN CO SR UNSECURED 06/28 4.85	330,000	333,337	330,500
SOUTHWEST AIRLINES CO SR UNSECURED 06/27 5.125%	1,950,000	2,046,176	1,958,862
SPRINT LLC COMPANY GUAR 03/26 7.625%	4,928,000	5,021,388	5,036,121
STANFORD HEALTH CARE UNSECURED 11/48 3.795%	1,750,000	1,745,210	1,345,065
STEEL DYNAMICS INC SR UNSECURED 04/30 3.45%	5,080,000	5,383,967	4,709,766
SUN COMMUNITIES OPER LP COMPANY GUAR 01/29 5.5	3,700,000	3,696,294	3,725,637
SUN COMMUNITIES OPER LP COMPANY GUAR 07/31 2.7%	2,720,000	2,710,134	2,287,190
T MOBILE USA INC COMPANY GUAR 01/33 5.2%	95,000	95,780	94,060
T MOBILE USA INC COMPANY GUAR 02/26 2.25%	385,000	374,612	373,942
T MOBILE USA INC COMPANY GUAR 02/31 2.55%	65,000	56,843	55,947
T MOBILE USA INC COMPANY GUAR 04/29 3.375%	765,000	719,531	714,020
T MOBILE USA INC COMPANY GUAR 04/30 3.875%	715,000	683,001	672,713
T MOBILE USA INC COMPANY GUAR 04/31 3.5%	390,000	358,598	354,002
TARGA RESOURCES CORP COMPANY GUAR 02/35 5.5%	1,678,000	1,677,085	1,651,314
TARGA RESOURCES CORP COMPANY GUAR 07/27 5.2%	5,180,000	5,119,015	5,210,936
TELECOM ITALIA CAPITAL COMPANY GUAR 06/38 7.721%	200,000	209,591	206,592
TENN VAL AUTH CPN STRIP BONDS 07/34	175,000	112,110	108,246
TENN VALLEY AUTHORITY SR UNSECURED 09/31 1.5%	510,000	509,937	417,286
TEXAS ST PRIV ACTIVITY BOND SU TXSTRN 12/49 FIXED 3.922%	500,000	509,928	395,587
TIME WARNER CABLE LLC SR SECURED 05/37 6.55%	160,000	154,602	154,644
TIME WARNER CABLE LLC SR SECURED 06/39 6.75%	425,000	416,123	416,824
TOLL BROS FINANCE CORP COMPANY GUAR 02/28 4.35%	4,250,000	4,385,502	4,150,555
TOLL BROS FINANCE CORP COMPANY GUAR 03/27 4.875	3,320,000	3,289,497	3,317,059
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 C A3	495,000	498,391	498,401
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 C A4	175,000	176,399	175,647
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 D A3	210,000	209,444	209,364
TOYOTA MOTOR CREDIT CORP SR UNSECURED 01/34 4.8	2,155,000	2,152,817	2,094,531
TOYOTA MOTOR CREDIT CORP SR UNSECURED 05/29 5.05	5,300,000	5,289,931	5,337,298
TRANSCANADA TRUST COMPANY GUAR 03/77 VAR	1,075,000	1,054,399	1,031,724
TRANSCANADA TRUST COMPANY GUAR 05/75 VAR	940,000	928,949	932,457
TRANSCANADA TRUST COMPANY GUAR 08/76 VAR	880,000	877,434	868,272
TRANSCANADA TRUST COMPANY GUAR 09/79 VAR	740,000	712,558	711,119
TREASURY STRIPS 0.00% due 11/15/41	1,435,000	653,787	611,160
TRUIST FINANCIAL CORP JR SUBORDINA 12/99 VAR	585,000	585,000	581,830
TRUIST FINANCIAL CORP SR UNSECURED 01/30 VAR	1,675,000	1,675,000	1,689,551
TRUIST FINANCIAL CORP SR UNSECURED 10/29 VAR	1,210,000	1,210,137	1,294,199
TRUSTEES PRINCETON UNIV UNSECURED 07/48 3.84%	1,450,000	1,591,187	1,156,948
TRUSTEES PRINCETON UNIV UNSECURED 07/50 2.516%	1,175,000	1,199,531	731,611
U.S. TREASURY N/B 01/26 0.375%	24,255,000	23,356,583	23,272,483
U.S. TREASURY N/B 01/27 1.5%	2,000,000	1,993,093	1,891,250
U.S. TREASURY N/B 02/27 2.25%	3,275,000	3,262,005	3,142,593
U.S. TREASURY N/B 02/29 2.625%	3,100,000	3,160,814	2,897,895
U.S. TREASURY N/B 02/31 1.125%	6,000,000	5,816,835	4,950,938
U.S. TREASURY N/B 02/32 1.875%	1,750,000	1,633,489	1,471,846
U.S. TREASURY N/B 02/33 3.5%	3,475,000	3,382,293	3,232,972
U.S. TREASURY N/B 02/49 3%	31,180,000	24,222,146	22,718,771
U.S. TREASURY N/B 03/26 0.75%	3,000,000	2,996,105	2,873,438
U.S. TREASURY N/B 03/28 1.25%	5,000,000	4,986,023	4,540,430
U.S. TREASURY N/B 03/28 3.625%	1,000,000	999,035	979,297

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
U.S. TREASURY N/B 04/26 0.75%	16,130,000	16,110,199	15,406,040
U.S. TREASURY N/B 04/28 3.5%	5,000,000	4,900,116	4,873,242
U.S. TREASURY N/B 05/26 0.75%	11,810,000	11,309,955	11,247,641
U.S. TREASURY N/B 05/26 1.625%	5,000,000	5,062,610	4,825,781
U.S. TREASURY N/B 05/27 2.375%	1,375,000	1,329,096	1,316,670
U.S. TREASURY N/B 05/28 2.875%	3,500,000	3,512,497	3,342,773
U.S. TREASURY N/B 05/28 3.625%	2,500,000	2,485,113	2,444,922
U.S. TREASURY N/B 05/32 2.875%	2,500,000	2,375,946	2,245,215
U.S. TREASURY N/B 05/33 3.375%	5,000,000	4,815,172	4,595,313
U.S. TREASURY N/B 05/43 3.875%	3,725,000	3,412,275	3,281,929
U.S. TREASURY N/B 05/51 2.375%	1,600,000	1,131,482	1,007,875
U.S. TREASURY N/B 05/52 2.875%	4,735,000	3,668,472	3,317,089
U.S. TREASURY N/B 06/26 0.875%	4,350,000	4,299,036	4,138,787
U.S. TREASURY N/B 06/27 3.25%	3,000,000	2,945,091	2,929,336
U.S. TREASURY N/B 06/28 1.25%	3,000,000	2,736,018	2,702,695
U.S. TREASURY N/B 06/29 3.25%	4,000,000	3,830,012	3,816,406
U.S. TREASURY N/B 06/30 3.75%	4,456,000	4,384,606	4,310,136
U.S. TREASURY N/B 07/28 4.125%	3,000,000	2,990,905	2,978,906
U.S. TREASURY N/B 07/30 4%	3,205,000	3,182,804	3,137,395
U.S. TREASURY N/B 08/26 0.75%	4,800,000	4,794,433	4,532,625
U.S. TREASURY N/B 08/27 2.25%	4,200,000	4,211,650	3,991,805
U.S. TREASURY N/B 08/27 3.125%	3,500,000	3,459,218	3,398,828
U.S. TREASURY N/B 08/28 2.875%	3,000,000	2,995,523	2,853,398
U.S. TREASURY N/B 08/28 4.375%	4,000,000	3,968,530	4,002,656
U.S. TREASURY N/B 08/29 1.625%	4,500,000	4,347,666	3,993,398
U.S. TREASURY N/B 08/30 4.125%	13,000,000	12,713,783	12,798,398
U.S. TREASURY N/B 08/31 1.25%	6,000,000	5,946,689	4,896,094
U.S. TREASURY N/B 08/32 2.75%	2,600,000	2,401,252	2,305,773
U.S. TREASURY N/B 08/33 3.875%	26,900,000	27,006,014	25,604,387
U.S. TREASURY N/B 08/42 3.375%	2,875,000	2,452,900	2,375,806
U.S. TREASURY N/B 08/43 3.625%	13,840,000	14,490,647	11,736,428
U.S. TREASURY N/B 08/49 2.25%	37,085,000	24,872,548	22,998,495
U.S. TREASURY N/B 08/52 3%	1,515,000	1,143,714	1,088,847
U.S. TREASURY N/B 08/53 4.125%	8,900,000	8,285,353	7,940,121
U.S. TREASURY N/B 09/26 4.625%	5,000,000	4,981,889	5,029,492
U.S. TREASURY N/B 10/27 4.125%	4,000,000	3,992,771	3,983,750
U.S. TREASURY N/B 10/30 4.875%	3,000,000	3,040,399	3,065,859
U.S. TREASURY N/B 11/25 0.375%	1,000,000	964,550	965,648
U.S. TREASURY N/B 11/26 1.25%	13,684,800	13,325,769	12,936,947
U.S. TREASURY N/B 11/28 3.125%	21,500,000	21,416,652	20,570,293
U.S. TREASURY N/B 11/29 1.75%	5,000,000	4,848,179	4,433,594
U.S. TREASURY N/B 11/30 0.875%	7,158,300	5,834,584	5,856,105
U.S. TREASURY N/B 11/31 1.375%	4,500,000	3,956,998	3,676,992
U.S. TREASURY N/B 11/32 4.125%	10,260,400	10,228,750	10,007,497
U.S. TREASURY N/B 11/33 4.5%	3,000,000	3,141,524	2,986,875
U.S. TREASURY N/B 11/39 4.375%	5,631,900	5,610,084	5,402,884
U.S. TREASURY N/B 11/41 2%	23,888,200	16,917,146	16,058,283
U.S. TREASURY N/B 11/42 4%	525,000	488,531	472,890
U.S. TREASURY N/B 11/43 3.75%	3,589,400	3,230,002	3,094,035
U.S. TREASURY N/B 11/43 4.75%	10,725,000	11,475,676	10,600,573
U.S. TREASURY N/B 11/44 3%	4,715,000	3,792,516	3,582,479
U.S. TREASURY N/B 11/45 3%	2,742,200	2,164,368	2,064,470
U.S. TREASURY N/B 11/47 2.75%	2,236,700	1,660,897	1,571,631
U.S. TREASURY N/B 11/49 2.375%	30,790,900	21,847,534	19,597,927
U.S. TREASURY N/B 11/50 1.625%	41,970,000	24,198,128	21,924,407
U.S. TREASURY N/B 11/51 1.875%	1,526,700	909,195	843,621
U.S. TREASURY N/B 11/52 4%	2,480,000	2,298,569	2,163,897
U.S. TREASURY N/B 11/53 4.75%	11,135,000	11,838,643	11,034,089
U.S. TREASURY N/B 12/25 0.375%	15,000,000	14,938,992	14,443,711
U.S. TREASURY N/B 12/25 4%	47,170,000	46,857,579	47,089,663
U.S. TREASURY N/B 12/26 1.25%	2,000,000	1,991,295	1,886,172

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
U.S. TREASURY N/B 12/26 1.75%	15,000,000	15,216,328	14,291,602
U.S. TREASURY N/B 12/27 0.625%	15,000,000	14,722,233	13,468,359
U.S. TREASURY N/B 12/28 3.75%	1,500,000	1,487,608	1,466,133
U.S. TREASURY STRIPS 02/29	15,000,000	12,838,422	12,469,735
U.S. TREASURY STRIPS 02/40	5,005,000	3,839,848	2,339,490
U.S. TREASURY STRIPS 02/41	8,610,000	6,464,551	3,814,080
U.S. TREASURY STRIPS 02/42	5,780,000	2,924,294	2,431,464
U.S. TREASURY STRIPS 02/45	370,000	226,675	134,430
U.S. TREASURY STRIPS 02/46	8,830,000	5,196,438	3,051,167
U.S. TREASURY STRIPS 05/41	7,260,000	5,136,808	3,171,990
U.S. TREASURY STRIPS 05/44	170,000	105,948	64,073
U.S. TREASURY STRIPS 05/46	875,000	338,062	298,637
U.S. TREASURY STRIPS 08/40	1,940,000	1,475,425	883,550
U.S. TREASURY STRIPS 08/41	7,525,000	3,957,807	3,238,310
U.S. TREASURY STRIPS 08/44	5,885,000	3,606,694	2,187,666
U.S. TREASURY STRIPS 11/40	9,955,000	6,992,224	4,470,918
U.S. TREASURY STRIPS 11/42	10,655,000	6,917,444	4,312,864
U.S. TREASURY STRIPS 11/45	4,715,000	2,781,583	1,650,060
U.S. TSY INFL IX N/B 02/53 1.5%	1,539,741	1,311,520	1,233,595
UBER TECHNOLOGIES INC SR UNSECURED 09/34 4.8%	2,470,000	2,468,279	2,363,960
UBS COMMERCIAL MORTGAGE TRUST UBSCM 2017 C6 A4	2,978,487	3,004,129	2,856,500
UBS COMMERCIAL MORTGAGE TRUST UBSCM 2017 C7 A3	7,735,926	7,800,117	7,391,630
UBS COMMERCIAL MORTGAGE TRUST UBSCM 2018 C9 A3	1,882,684	1,898,594	1,816,566
UBS GROUP AG SR UNSECURED 144A 01/34 VAR	1,140,000	1,189,532	1,165,888
UBS GROUP AG SR UNSECURED 144A 09/30 VAR	340,000	348,498	345,368
UBS GROUP AG SR UNSECURED 144A 09/34 VAR	240,000	257,293	251,081
ULTRAPAR INTERNATIONL SA COMPANY GUAR 144A 10/26 5.25%	535,000	533,347	527,424
UNICREDIT SPA SUBORDINATED 144A 04/34 VAR	1,135,000	1,191,063	1,185,548
UNICREDIT SPA SUBORDINATED 144A 06/35 VAR	770,000	747,265	743,769
UNITED MEXICAN STATES SR UNSECURED 01/40 6.05%	2,230,000	2,272,121	2,062,072
UNITED MEXICAN STATES SR UNSECURED 02/34 3.5	1,040,000	1,035,536	827,336
UNITEDHEALTH GROUP INC SR UNSECURED 04/53 5.05%	2,154,000	2,140,111	1,942,756
UNITEDHEALTH GROUP INC SR UNSECURED 04/64 5.5	2,540,000	2,534,275	2,377,367
UNITEDHEALTH GROUP INC SR UNSECURED 05/41 3.05%	1,050,000	1,046,848	759,691
UNITEDHEALTH GROUP INC SR UNSECURED 05/52 4.75%	1,955,000	1,849,361	1,677,947
UNIV OF NOTRE DAME UNSECURED 02/48 3.394%	2,090,000	2,078,778	1,546,337
UNIV OF VIRGINIA VA UNIV REVEN UNIHGR 09/17 FIXED 4.179%	1,000,000	963,611	748,706
UNIV SOUTHERN CALIFORNIA SR UNSECURED 10/20 3.226%	740,000	732,827	425,842
UNIV SOUTHERN CALIFORNIA SR UNSECURED 10/50 2.805%	1,700,000	1,744,803	1,085,912
UNIV SOUTHERN CALIFORNIA UNSECURED 10/39 3.028%	1,000,000	924,424	791,081
UNUM GROUP SR UNSECURED 03/28 7.25%	65,000	68,782	68,504
UNUM GROUP SR UNSECURED 12/28 6.75%	30,000	31,620	31,594
US BANCORP SR UNSECURED 01/30 VAR	440,000	440,000	443,816
US BANCORP SR UNSECURED 10/33 VAR	660,000	695,176	674,803
US TREASURY N/B 08/34 3.875%	9,235,000	9,091,039	8,734,290
US TREASURY N/B 08/44 4.125%	8,927,000	8,354,075	8,087,304
US TREASURY N/B 08/54 4.25%	5,074,000	4,858,518	4,641,917
US TREASURY N/B 10/29 4.125%	4,500,000	4,494,564	4,447,617
US TREASURY N/B 11/28 1.5%	6,630,500	5,947,365	5,954,241
US TREASURY N/B 11/29 4.125%	6,770,000	6,766,606	6,692,251
US TREASURY N/B 11/34 4.25%	33,800,000	32,920,536	32,928,594
US TREASURY N/B 12/29 4.375%	755,000	752,288	754,528
US TREASURY N/B 12/31 4.5%	4,314,400	4,314,400	4,317,771
US TREASURY N/B 4.00% due 02/15/34	2,750,000	2,673,139	2,633,232
US TREASURY N/B 4.13% due 02/15/27	2,500,000	2,484,347	2,492,969
US TREASURY N/B 4.25% due 02/28/29	5,000,000	5,003,485	4,975,977
US TREASURY N/B 4.25% due 12/31/25	31,610,000	31,435,582	31,617,656
US TREASURY N/B 4.50% due 02/15/44	2,880,000	2,842,067	2,751,750
US TREASURY N/B 4.50% due 04/15/27	7,750,000	7,700,873	7,788,145
US TREASURY N/B 4.63% due 04/30/29	8,000,000	8,025,019	8,075,625
US TREASURY N/B 4.63% due 04/30/31	2,250,000	2,263,253	2,268,809

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
US TREASURY N/B 4.63% due 05/15/54	2,775,500	2,856,961	2,701,342
US TREASURY STRIP PRINC 02/54	19,334,900	5,571,839	5,046,119
US TREASURY STRIP PRINC 11/25	5,796,100	5,553,519	5,592,627
US TREASURY STRIP PRINC 11/31	7,354,300	5,491,199	5,411,278
US TREASURY STRIP PRINC 11/40	5,257,100	2,622,416	2,490,713
US TREASURY STRIP PRINC 11/42	4,288,000	1,908,824	1,813,446
US TREASURY STRIP PRINC 11/44	3,192,700	1,293,615	1,218,840
US TREASURY STRIP PRINC 11/46	2,407,700	891,600	831,063
US TREASURY STRIP PRINC 11/48	2,036,400	691,679	635,772
US TREASURY STRIP PRINC 11/50	1,726,300	545,123	495,530
US TREASURY STRIP PRINC 11/52	1,357,500	405,162	367,500
US TREASURY STRIP PRINC 11/53	1,119,700	325,187	295,821
US TREASURY STRIPS 02/50	2,700,000	848,051	773,900
US TREASURY STRIPS 11/27	6,314,000	5,564,823	5,563,676
US TREASURY STRIPS 11/29	7,040,600	5,695,002	5,647,997
US TREASURY STRIPS 11/33	7,706,500	5,250,331	5,063,732
US TREASURY STRIPS 11/34	7,527,800	4,894,731	4,708,249
US TREASURY STRIPS 11/35	7,317,300	4,427,849	4,354,124
US TREASURY STRIPS 11/36	6,983,100	4,107,010	3,939,523
US TREASURY STRIPS 11/37	6,614,000	3,715,343	3,525,891
US TREASURY STRIPS 11/38	6,186,500	3,305,866	3,122,434
UTAH ACQUISITION SUB COMPANY GUAR 06/46 5.25%	2,375,000	2,593,577	2,001,801
VALERO ENERGY CORP SR UNSECURED 12/31 2.8%	2,380,000	2,375,698	2,031,332
VERIZON COMMUNICATIONS SR UNSECURED 03/31 2.55%	2,618,000	2,610,986	2,256,006
VERIZON COMMUNICATIONS SR UNSECURED 09/41 2.85%	880,000	878,147	608,897
VERIZON COMMUNICATIONS SR UNSECURED 10/30 1.68%	275,000	226,987	228,816
VICI PROPERTIES LP SR UNSECURED 02/28 4.75%	1,675,000	1,674,413	1,661,108
VIRGINIA ELEC + POWER CO SR UNSECURED 08/34 5.05%	927,000	924,972	904,697
VMWARE LLC SR UNSECURED 08/26 1.4%	290,000	275,076	274,712
VODAFONE GROUP PLC JR SUBORDINA 04/79 VAR	850,000	890,092	870,460
WARNERMEDIA HOLDINGS INC COMPANY GUAR 03/52 5.141%	4,205,000	3,422,186	3,139,192
WELLS FARGO + COMPANY SR UNSECURED 01/30 VAR	455,000	460,519	456,011
WELLS FARGO + COMPANY SR UNSECURED 01/35 VAR	665,000	665,000	663,102
WELLS FARGO + COMPANY SR UNSECURED 02/31 VAR	3,770,000	3,753,988	3,324,927
WELLS FARGO + COMPANY SR UNSECURED 03/33 VAR	60,000	53,526	52,611
WELLS FARGO + COMPANY SR UNSECURED 04/28 VAR	325,000	331,518	330,389
WELLS FARGO + COMPANY SR UNSECURED 04/34 VAR	295,000	297,642	291,788
WELLS FARGO + COMPANY SR UNSECURED 04/41 VAR	2,465,000	2,465,000	1,795,873
WELLS FARGO + COMPANY SR UNSECURED 06/28 VAR	4,095,000	4,089,709	3,856,782
WELLS FARGO + COMPANY SR UNSECURED 07/29 VAR	3,640,000	3,640,000	3,696,180
WELLS FARGO + COMPANY SR UNSECURED 07/33 VAR	365,000	358,882	352,449
WELLS FARGO + COMPANY SR UNSECURED 10/30 VAR	165,000	150,544	148,898
WELLS FARGO + COMPANY SR UNSECURED 12/35 VAR	3,600,000	3,600,000	3,503,494
WELLS FARGO + COMPANY SUBORDINATED 06/26 4.1%	450,000	445,971	445,165
WELLS FARGO + COMPANY SUBORDINATED 07/27 4.3%	550,000	544,275	542,255
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 C41 A2	4,356,119	4,047,866	4,133,683
WELLS FARGO COMMERCIAL MORTGAG WFCM 2017 C42 A3	10,000,000	10,081,072	9,578,248
WELLS FARGO COMMERCIAL MORTGAG WFCM 2024 5C1 A3	8,900,000	9,164,552	9,170,380
WESTERN MIDSTREAM OPERAT SR UNSECURED 03/48 5.3%	210,000	183,140	178,569
WESTERN MIDSTREAM OPERAT SR UNSECURED 08/48 5.5%	1,250,000	1,314,437	1,086,661
WILLIAMS COMPANIES INC SR UNSECURED 03/26 5.4%	1,735,000	1,734,343	1,746,833
WILLIAMS COMPANIES INC SR UNSECURED 06/27 3.75%	2,685,000	2,683,244	2,617,557
WORKDAY INC SR UNSECURED 04/32 3.8%	2,675,000	2,676,167	2,435,733
WORLD OMNI SELECT AUTO TRUST WOSAT 2021 A C	700,000	699,922	682,731
XCEL ENERGY INC SR UNSECURED 09/41 4.8%	1,301,000	1,421,543	1,125,945
ZOETIS INC SR UNSECURED 11/25 4.5%	355,000	354,455	354,628

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
Total Cash Equivalent Securities	798,880,925	795,756,186	795,756,186
ANGLESEA FDG PLC + ANG due 01/06/25	10,000,000	9,993,958	9,993,958
ANTALIS S.A due 02/04/25	15,000,000	14,932,992	14,932,992
AUST + NEW ZEA due 04/14/25	4,500,000	4,432,535	4,432,535
BANK OF AMERICA 07/25 FIXED 5.09 due 07/31/25	10,000,000	10,000,000	10,000,000
BANK OF MONTREAL 05/25 VAR	7,500,000	7,500,000	7,500,000
BANK OF MONTREAL 06/25 VAR	2,250,000	2,250,000	2,250,000
BARCLAYS BK PLC / BARCLAYS US due 01/17/25	7,000,000	6,983,760	6,983,760
BARCLAYS BK PLC / BARCLAYS US due 04/03/25	10,000,000	9,887,300	9,887,300
BARCLAYS BK PLC NEW YORK BRH I due 02/12/25	5,000,000	5,000,000	5,000,000
BEDFORD ROW FDG CORP due 04/01/25	10,000,000	10,000,000	10,000,000
BNK OF NOVA SCOTIA NY TRI A R TRI A REPO due 01/02/25	50,000,000	50,000,000	50,000,000
BRITANNIA FDG CO due 01/24/25	5,000,000	4,985,114	4,985,114
BRITANNIA FDG CO due 05/23/25	5,000,000	4,909,081	4,909,081
CANADIAN IMPERIAL BK due 04/07/25	5,000,000	5,000,000	5,000,000
CITIGROUP TRI PARTY C due 01/02/24	55,039,000	55,039,000	55,039,000
CMMNWLTH BNK OF AUS 5.57% due 02/26/25	4,000,000	4,000,000	4,000,000
COLLAT COMM PAPER V CO 08/25 VAR	10,000,000	10,000,000	10,000,000
COLLATERALIZED CP FLEX due 07/07/25	10,000,000	10,000,000	10,000,000
COLUMBIA FDG CO due 04/24/25	10,000,000	9,856,553	9,856,553
CREDIT AGRICOLE CORP 05/25 FIXED 4.63 due 05/19/25	5,000,000	5,000,000	5,000,000
DEUTSCHE TRI PARTY A due 01/02/24	40,000,000	40,000,000	40,000,000
FED HOME LN DISCOUNT NT due 03/28/25	15,000,000	14,848,067	14,848,067
GOLDMAN SACS TRI PARTY A due 01/02/24	20,000,000	20,000,000	20,000,000
HSBC TRI PARTY A due 01/02/24	15,000,000	15,000,000	15,000,000
ING US FUNDING LLC 06/25 ZCP due 06/20/25	5,000,000	4,894,222	4,894,222
ING US FUNDING LLC due 03/21/25	2,050,000	2,050,000	2,050,000
ING US FUNDING LLC due 05/15/25	5,000,000	4,999,478	4,999,478
ING US FUNDING LLC due 08/19/25	7,500,000	7,500,000	7,500,000
IONIC FUNDING LLC 01/25 ZCP due 01/08/25	7,500,000	7,493,029	7,493,029
JP MORGAN SEC LLC TPR C due 01/02/24	10,000,000	10,000,000	10,000,000
MACKINAC FUNDING due 01/08/25	10,000,000	9,990,744	9,990,744
MACQUARIE BANK LIMITED due 03/19/25	5,000,000	5,000,000	5,000,000
MERRILL LYNCH TRI PARTY A REPO due 01/02/25	13,545,000	13,545,000	13,545,000
MIZUHO BK LTD NEW YORK BRH INS 01/25 VAR	13,000,000	13,000,000	13,000,000
MIZUHO BK LTD NEW YORK BRH INS 02/25 VAR	8,000,000	8,000,000	8,000,000
NATL AUSTRALIA BK LT due 06/20/25	10,000,000	10,000,000	10,000,000
NIEUW AMSTERDAM RECV due 01/10/25	8,000,000	7,989,560	7,989,560
NORDEA BANK ABP 03/25 VAR	10,000,000	10,000,000	10,000,000
PARADELLE FDG LLC due 03/19/25	10,000,000	9,887,494	9,887,494
ROYAL BANK OF CANADA due 04/10/25	3,000,000	3,000,000	3,000,000
ROYAL BANK OF CANADA due 11/06/25	3,500,000	3,369,319	3,369,319
ROYAL BK CDA N Y due 10/07/25	5,000,000	5,000,000	5,000,000
RYL BNK OF SCOT TRI A due 01/02/24	20,000,000	20,000,000	20,000,000
STARBIRD FDG. CORP due 06/06/25	5,000,000	4,902,717	4,902,717
STATE STREET BANK + TRUST CO SHORT TERM INV FUND	3,466,925	3,466,925	3,466,925
SUMITOMO MITSUI BKG CORP 05/25 VAR	7,500,000	7,500,000	7,500,000
SUMITOMO MITSUI BKG CORP 06/25 VAR	5,000,000	5,000,000	5,000,000
SWEDBANK AB PUBL IAM COML PAPE 02/25 VAR	3,000,000	3,000,000	3,000,000
TORONTO DOMINION BK FIXED 4.51% due 09/09/25	7,000,000	7,000,000	7,000,000
UBS WARBURG TRI PARTY A due 01/02/24	25,000,000	25,000,000	25,000,000
UNITED OVERSEAS BK LTD due 05/22/25	10,000,000	10,000,000	10,000,000
US TREASURY BILL due 01/14/25	40,000,000	39,937,181	39,937,181
US TREASURY BILL due 01/23/25	13,000,000	12,960,336	12,960,336
US TREASURY BILL due 01/28/25	20,000,000	19,936,100	19,936,100
US TREASURY BILL due 02/11/25	15,000,000	14,927,225	14,927,225
US TREASURY BILL due 02/13/25	10,000,000	9,942,547	9,942,547
US TREASURY BILL due 02/20/25	10,000,000	9,933,731	9,933,731
US TREASURY BILL due 02/25/25	20,000,000	19,869,681	19,869,681
US TREASURY BILL due 03/13/25	4,970,000	4,925,565	4,925,565
US TREASURY BILL due 03/20/25	650,000	643,961	643,961

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	Non-Retirement Assets		
Issuer Name	Shares	Book Value	Market Value
US TREASURY BILL due 03/27/25	4,350,000	4,306,055	4,306,055
US TREASURY BILL due 04/03/25	10,080,000	9,971,100	9,971,100
US TREASURY BILL due 04/10/25	9,990,000	9,871,078	9,871,078
US TREASURY BILL due 05/15/25	7,500,000	7,379,288	7,379,288
US TREASURY BILL due 05/22/25	10,000,000	9,831,101	9,831,101
US TREASURY BILL due 05/29/25	9,990,000	9,812,139	9,812,139
US TREASURY BILL due 06/05/25	15,000,000	14,722,048	14,722,048
US TREASURY BILL due 06/20/25	20,000,000	19,606,481	19,606,481
VERTO CAP I 144A DISC COML PAP due 02/07/25	5,000,000	4,975,693	4,975,693
VICTORY RECEIVABLES due 01/02/25	15,000,000	14,998,029	14,998,029
WESTPAC BANKING CORP. 5.61% due 03/10/25	3,000,000	3,000,000	3,000,000
WESTPAC BANKING CORP. due 06/13/25	3,000,000	3,000,000	3,000,000

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
Total Fixed Income and Short-Term Securities	5,353,368,274	5,347,344,766	5,349,301,928
ALASKA ST AKS 08/28 FIXED 5%	140,000	141,811	141,492
ALBERT LEA MN ABT 02/30 FIXED 1%	135,000	114,806	114,116
ALBERT LEA MN INDEP SCH DIST ABTSCD 02/39 FIXED 3.5%	35,000	31,378	33,969
AMES IA AME 06/25 FIXED 3%	150,000	149,445	149,710
AMES IA AME 06/29 FIXED 2%	200,000	183,958	182,151
ANKENY IA ANK 06/25 FIXED 2%	75,000	74,203	74,389
ANKENY IA ANK 06/26 FIXED 3.25%	425,000	422,791	424,937
ANKENY IA ANK 06/27 FIXED 3%	250,000	250,930	247,395
APPLE INC SR UNSECURED 02/26 0.7%	30,000,000	29,985,093	28,825,135
APPLE INC SR UNSECURED 05/25 1.125%	16,419,000	16,393,539	16,223,286
APPLETON WI APP 04/28 FIXED 2%	250,000	236,375	232,633
APPLETON WI APP 04/30 FIXED 2%	730,000	665,493	651,737
APPLETON WI APP 04/31 FIXED 2%	20,000	16,989	17,461
ARLINGTON MN 2.40% due 02/01/26	80,000	79,423	79,423
BALDWIN WOODVILLE WI AREA SCH BALS CD 04/34 FIXED 2%	175,000	178,867	141,744
BANK OF AMERICA NA SR UNSECURED 08/25 5.65%	75,000,000	75,000,000	75,408,692
BANK OF NEW YORK MELLON SR UNSECURED 05/26 VAR	10,000,000	10,000,000	10,012,876
BARABOO WI BOO 04/27 FIXED 2.75%	400,000	400,000	392,590
BARRON WI AREA SCH DIST BARS CD 03/33 FIXED 2%	40,000	33,706	33,323
BAUDETTE MN BAU 02/28 FIXED 2%	115,000	113,458	108,329
BEAUFORT SC BEA 02/27 FIXED 3%	310,000	315,491	306,466
BEAVER DAM WI UNIF SCH DIST BEAS CD 04/30 FIXED OID 3%	500,000	498,226	493,785
BELOIT WI BLT 03/28 FIXED 2%	480,000	494,905	447,452
BENSON MN INDEP SCH DIST 777 BENS CD 02/33 FIXED 4%	450,000	452,747	458,922
BERNALILLO CNTY NM BER 08/35 FIXED 2%	385,000	395,645	301,419
BERTHA HEWITT MN INDEP SCH DIS BERS CD 02/27 FIXED 2%	50,000	48,213	48,487
BIG LAKE MN INDEP SCH DIST 72 BIGS CD 02/29 FIXED 2%	500,000	466,261	461,011
BIG LAKE MN INDEP SCH DIST 72 BIGS CD 02/32 FIXED 1%	250,000	196,322	195,211
BIG LAKE MN INDEP SCH DIST 72 BIGS CD 02/38 FIXED OID 1.5%	375,000	375,000	258,903
BIG SANDY TX INDEP SCH DIST UP BGSS CD 02/29 FIXED 3%	375,000	379,633	367,013
BIG SANDY TX INDEP SCH DIST UP BGSS CD 02/36 FIXED 3%	470,000	476,457	425,262
BILLINGS MT BIL 07/31 FIXED 1.1%	100,000	100,000	84,136
BISMARCK ND BIS 05/26 FIXED 1.25%	300,000	289,782	287,279
BISMARCK ND PUBLIC SCH DIST 1 BISS CD 05/29 FIXED 4%	440,000	462,119	444,716
BLACK HAWK CNTY IA BLA 06/27 FIXED 2%	50,000	47,886	47,644
BLAINE MN BLA 02/28 FIXED 2%	500,000	468,487	468,980
BLOOMINGTON MN INDEP SCH DIST BLOS CD 02/27 FIXED 2%	210,000	202,987	201,108
BLOOMINGTON MN INDEP SCH DIST BLOS CD 02/29 FIXED 2%	170,000	158,341	155,448
BLOOMINGTON MN INDEP SCH DIST BLOS CD 02/30 FIXED 2%	40,000	35,924	35,835
BLOOMINGTON MN INDEP SCH DIST BLOS CD 02/32 FIXED OID 1%	410,000	406,797	321,192
BMW VEHICLE LEASE TRUST BMWLT 2024 1 A2A	13,290,099	13,289,922	13,320,217
BMW VEHICLE OWNER TRUST BMWOT 2022 A A3	9,865,389	9,728,294	9,820,510
BMW VEHICLE OWNER TRUST BMWOT 2023 A A2A	1,979,674	1,979,631	1,982,302
BMW VEHICLE OWNER TRUST BMWOT 2024 A A2A	31,474,069	31,473,558	31,603,049
BMW VEHICLE OWNER TRUST BMWOT 2024 A A3	11,000,000	10,998,518	11,129,129
BRISTOL MYERS SQUIBB CO SR UNSECURED 02/26 4.95	15,000,000	14,995,498	15,073,235
BROOKLYN CENTER MN BRO 02/27 FIXED 2.25%	100,000	95,955	96,934
BUFFALO MN INDEP SCH DIST 877 BUFSCD 02/28 FIXED 2.85%	160,000	154,711	158,097
BURNSVILLE MN BUR 12/25 FIXED 2%	350,000	343,019	344,888
CALEDONIA WI CAL 04/29 FIXED 1.25%	295,000	295,937	256,737
CAMPBELLSPORT WI SCH DIST CMPS CD 03/33 FIXED OID 3.125%	300,000	297,329	287,495
CARGILL INC SR UNSECURED 144A 04/25 3.5%	1,350,000	1,341,349	1,345,320
CARGILL INC SR UNSECURED 144A 10/25 4.875%	16,815,000	16,737,965	16,849,665
CARGILL INC SR UNSECURED 144A 10/25 7.375%	10,000,000	10,116,425	10,202,404
CARLTON CNTY MN CAR 02/25 FIXED 2%	500,000	499,133	499,329
CATERPILLAR FINL SERVICE SR UNSECURED 03/25 5.4%	25,000,000	24,999,492	25,039,583
CHANHASSEN MN CHN 02/25 FIXED 3%	575,000	574,721	574,641
CHASKA MN CHA 02/34 FIXED OID 2.25%	175,000	151,864	146,239
CHESTER CNTY TN CHE 06/28 FIXED 2%	15,000	14,517	14,009
CHIPPEWA FALLS WI CPF 10/25 FIXED 2%	345,000	340,098	339,438

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
CHIPPEWA FALLS WI CPF 10/26 FIXED 2%	200,000	195,390	192,734
CHIPPEWA FALLS WI CPF 10/28 FIXED 2%	335,000	313,567	310,848
CHIPPEWA VLY WI TECH CLG DIST CPVHGR 04/34 FIXED OID 1.375%	160,000	124,077	121,097
CHISHOLM MN INDEP SCH DIST 69 CSHSCD 02/25 ZEROCPNOID 0%	25,000	24,983	24,927
CIRCLE PINES MN CIR 02/28 FIXED 2%	210,000	195,613	193,621
CIRCLE PINES MN INDEP SCH DIST CIRSCD 02/26 ZEROCPNOID 0%	50,000	46,935	48,467
CIRCLE PINES MN INDEP SCH DIST CIRSCD 02/27 ZEROCPNOID 0%	30,000	28,889	28,121
CIRCLE PINES MN INDEP SCH DIST CIRSCD 02/30 ZEROCPNOID 0%	195,000	172,375	162,804
CIRCLE PINES MN INDEP SCH DIST CIRSCD 02/33 ZEROCPNOID 0%	50,000	39,481	36,530
CLACKAMAS WASHINGTON CNTYS O CLASCD 06/39 ZEROCPNOID 0%	500,000	354,477	262,430
CLARK SKAMANIA CNTYS WA SCHD CLASCD 12/27 FIXED 2.5%	200,000	198,608	194,172
CLAY CNTY IA CLY 06/25 FIXED 2%	365,000	364,029	361,510
CLEAR LAKE IA CMNTY SCH DIST CLESCD 06/31 FIXED 2%	315,000	316,084	275,397
CLG IA CMNTY SCH DIST CLGSCD 06/28 FIXED 3.25%	350,000	350,166	349,124
CLINTON IA CLI 06/25 FIXED 3%	240,000	240,427	239,581
CLINTON IA CLI 06/26 FIXED 3%	275,000	275,286	274,393
CLIVE IA CLV 06/30 FIXED 2%	255,000	263,366	227,735
CLIVE IA CLV 06/31 FIXED 2%	225,000	231,444	195,429
CLOVIS CA UNIF SCH DIST CVSSCD 08/28 ZEROCPNOID 0%	500,000	404,524	447,162
CNH EQUIPMENT TRUST CNH 2021 B A3	4,771,708	4,771,271	4,732,380
CNH EQUIPMENT TRUST CNH 2021 C A3	3,480,895	3,480,711	3,424,701
CNH EQUIPMENT TRUST CNH 2023 A A2	2,958,757	2,958,649	2,956,984
CNH EQUIPMENT TRUST CNH 2023 B A2	20,064,679	20,064,289	20,103,424
CNH EQUIPMENT TRUST CNH 2023 B A3	50,000,000	49,994,953	50,732,825
CNH EQUIPMENT TRUST CNH 2024 A A2	27,864,757	27,863,291	27,870,723
CNH EQUIPMENT TRUST CNH 2024 B A2A	18,100,000	18,098,796	18,144,922
CNH EQUIPMENT TRUST CNH 2024 B A3	11,300,000	11,299,111	11,429,342
CNH EQUIPMENT TRUST CNH 2024 C A2A	37,000,000	36,998,049	36,855,744
CNH EQUIPMENT TRUST CNH 2024 C A3	12,500,000	12,498,183	12,315,598
COLUMBIA HEIGHTS MN INDEP SCHD COLSCD 02/27 ZEROCPNOID 0%	150,000	142,136	137,660
COLUMBIA HEIGHTS MN INDEP SCHD COLSCD 02/29 ZEROCPNOID 0%	225,000	199,325	190,203
COLUMBUS WI SCH DIST COLSCD 03/32 FIXED 2%	85,000	74,503	72,759
CONNECTICUT ST CTS 11/27 FIXED 5%	15,000	15,867	15,237
COON RAPIDS MN COO 02/36 FIXED OID 2.5%	100,000	102,697	84,537
COTTAGE GROVE MN COT 02/27 FIXED 2.5%	400,000	391,471	390,115
CPPIB CAPITAL INC COMPANY GUAR 144A 04/25 VAR	50,000,000	50,120,771	50,151,900
CRANDALL TX INDEP SCH DIST CRASCD 08/29 FIXED 1%	25,000	23,292	21,279
CREVE COEUR MO CRE 03/30 FIXED 3%	565,000	565,186	558,217
DALLAS CNTY IA DLL 06/26 FIXED 2%	545,000	534,549	528,417
DALLAS TX INDEP SCH DIST DALSCD 02/28 FIXED 3%	25,000	24,919	24,904
DANE CNTY WI DAN 04/28 FIXED 2%	35,000	32,434	32,657
DANE CNTY WI DAN 06/26 FIXED 1%	140,000	135,080	133,287
DANE CNTY WI DAN 06/28 FIXED 2%	25,000	23,587	23,247
DANE CNTY WI DAN 06/29 FIXED 1.5%	105,000	92,674	93,598
DANE CNTY WI DAN 06/29 FIXED 2%	35,000	32,311	31,894
DANE CNTY WI DAN 06/30 FIXED 1.5%	150,000	130,061	130,297
DANE CNTY WI DAN 06/30 FIXED 3%	245,000	244,995	236,970
DANE CNTY WI DAN 06/31 FIXED 1.5%	100,000	86,132	84,044
DAVENPORT IA DAV 06/26 FIXED 3%	100,000	99,725	99,738
DEFOREST WI DEF 05/29 FIXED 1.25%	100,000	89,162	86,453
DELL EQUIPMENT FINANCE TRUST DEFT 2023 3 A2 144A	2,979,031	2,978,900	2,986,446
DELL EQUIPMENT FINANCE TRUST DEFT 2024 1 A1 144A	437,381	437,381	437,684
DENTON TX INDEP SCH DIST DNNSCD 08/25 ZEROCPNOID 0%	55,000	54,268	53,920
DES MOINES IA DES 06/27 FIXED 2%	200,000	192,574	190,970
DES MOINES IA DES 06/27 FIXED OID 2.125%	250,000	241,108	240,213
DES MOINES IA DES 06/28 FIXED OID 2%	540,000	522,075	507,887
DES MOINES IA DES 06/29 FIXED OID 2.25%	200,000	188,245	186,322
DES MOINES IA DES 06/30 FIXED OID 2.25%	210,000	210,000	192,475
DES MOINES IA DES 06/31 FIXED 1%	175,000	144,406	137,132
DES MOINES IA DES 06/33 FIXED OID 1.125%	180,000	154,774	133,363
DETROIT LAKES MN DET 02/26 FIXED 2.5%	100,000	100,000	98,870

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **State Cash Accounts**

Issuer Name	Par Value	Book Value	Market Value
DICKINSON CNTY IA DIC 06/26 FIXED 2%	25,000	24,453	24,415
DICKINSON ND PUBLIC SCH DIST DICSCD 08/27 FIXED 3%	450,000	455,145	445,443
DICKINSON ND PUBLIC SCH DIST DICSCD 08/29 FIXED 3%	800,000	805,721	784,334
DICKINSON TX INDEP SCH DIST DICSCD 02/28 FIXED 4%	725,000	763,292	732,173
DILWORTH MN DIL 02/25 FIXED 2%	210,000	209,661	209,588
DOUGLAS CNTY WI DOU 02/25 FIXED 2.5%	290,000	289,742	289,625
DUBUQUE CNTY IA DUB 06/32 FIXED 2.625%	795,000	711,222	706,356
EAST CENTRL TX INDEP SCH DIST ECXSCD 08/29 FIXED OID 2%	170,000	155,996	154,274
EAU CLAIRE CNTY WI EAU 09/26 FIXED 2%	655,000	629,048	634,322
EAU CLAIRE CNTY WI EAU 09/29 FIXED OID 1%	115,000	114,232	97,774
EAU CLAIRE WI EAU 04/26 FIXED 2%	305,000	305,000	297,782
EAU CLAIRE WI EAU 04/28 FIXED 1%	100,000	88,869	88,965
EAU CLAIRE WI EAU 04/28 FIXED OID 2.125%	100,000	92,814	93,263
EDEN PRAIRIE MN EDE 02/26 FIXED 2.3%	280,000	276,749	274,633
EDEN PRAIRIE MN EDE 02/27 FIXED 2.35%	285,000	279,029	275,454
EDEN PRAIRIE MN INDEP SCH DIST EDESCD 02/25 FIXED 3%	100,000	99,936	99,950
EDINA MN INDEP SCH DIST 273 EDISCD 02/30 FIXED 2%	20,000	17,877	17,978
EDINA MN INDEP SCH DIST 273 EDISCD 02/31 FIXED 2%	110,000	99,279	97,000
EDINA MN INDEP SCH DIST 273 EDISCD 02/35 FIXED 3%	50,000	51,585	46,617
ELI LILLY + CO SR UNSECURED 08/27 4.15%	7,000,000	6,995,012	6,961,550
ELK RIVER MN INDEP SCH DIST 7 ELKSCD 02/30 FIXED 3%	370,000	370,000	363,250
ELK RIVER MN INDEP SCH DIST 7 ELKSCD 02/35 FIXED OID 2.125%	100,000	102,792	83,086
ELKHORN WI AREA SCH DIST ELKSCD 04/26 FIXED 2.5%	135,000	131,990	132,789
ENNIS TX INDEP SCH DIST ENNSCD 08/26 ZEROCPNOID 0%	90,000	84,476	84,547
ENTERPRISE FLEET FINANCING LLC EFF 2021 3 A2 144A	589,286	576,499	588,071
ENTERPRISE FLEET FINANCING LLC EFF 2024 2 A2 144A	27,000,000	26,998,679	27,227,764
ENTERPRISE FLEET FINANCING LLC EFF 2024 3 A2 144A	15,500,000	15,498,210	15,612,411
ENTERPRISE FLEET FINANCING LLC EFF 2024 4 A2 144A	20,000,000	19,997,301	20,023,674
EVANSVILLE WI EVA 04/25 FIXED 2%	105,000	105,045	104,469
EYOTA MN EYO 02/28 FIXED 3%	90,000	90,084	89,637
FAIRMONT MN INDEP SCH DIST 27 FAISCD 02/26 FIXED 2%	50,000	48,692	48,866
FANNIE MAE NOTES 04/25 0.625%	4,035,000	4,036,769	3,990,903
FANNIE MAE NOTES 08/25 0.7%	41,665,000	41,665,000	40,748,655
FARGO ND FAR 05/26 FIXED OID 2%	100,000	99,869	97,655
FARGO ND FAR 05/27 FIXED 2%	645,000	617,943	616,770
FARGO ND FAR 05/31 FIXED 3%	100,000	92,324	96,762
FARGO ND FAR 05/31 FIXED OID 3.125%	265,000	268,339	260,663
FARGO ND FAR 07/28 FIXED OID 2%	125,000	120,472	117,055
FARGO ND FAR 07/35 FIXED 3%	300,000	300,273	273,306
FEDERAL FARM CREDIT BANK BONDS 10/25 VAR	27,000,000	27,000,000	27,046,970
FEDERAL FARM CREDIT BANK UNSECURED 10/25 5.125	100,000,000	100,000,000	100,613,824
FEDERAL HOME LOAN BANK BONDS 03/25 0.5%	25,000,000	25,000,000	24,820,513
FEDERAL HOME LOAN BANK BONDS 03/26 0.96%	20,000,000	20,000,000	19,249,060
FEDERAL HOME LOAN BANK BONDS 04/25 0.5%	6,000,000	5,999,290	5,935,144
FEDERAL HOME LOAN BANK BONDS 06/25 4.75%	50,000,000	49,931,241	50,077,457
FEDERAL HOME LOAN BANK BONDS 06/25 5.125%	9,670,000	9,674,366	9,704,329
FOND DU LAC WI FON 03/29 FIXED 2%	635,000	584,446	579,575
FOND DU LAC WI FON 03/30 FIXED 2%	50,000	45,377	44,713
FOREST HILLS OH LOCAL SCH DIST FRHSCD 12/26 FIXED 4%	500,000	498,408	500,271
FOREST LAKE MN FOR 02/34 FIXED 3%	25,000	25,826	23,681
FOREST LAKE MN FOR 02/35 FIXED 3%	35,000	37,215	32,777
FOREST LAKE MN INDEP SCH DIST FORSCD 02/27 FIXED 3%	50,000	50,159	49,353
FOREST LAKE MN INDEP SCH DIST FORSCD 02/28 FIXED 3%	400,000	400,000	392,692
FOREST LAKE MN INDEP SCH DIST FORSCD 02/30 FIXED OID 3.125%	1,355,000	1,348,862	1,334,730
FOREST LAKE MN INDEP SCH DIST FORSCD 02/31 FIXED OID 3.25%	325,000	324,124	322,502
FOREST LAKE MN INDEP SCH DIST FORSCD 02/32 FIXED 3%	100,000	101,823	96,275
FORT DODGE IA CMNTY SCH DIST FTDSCD 05/26 FIXED OID 2%	265,000	264,827	258,246
FORT DODGE IA CMNTY SCH DIST FTDSCD 05/29 FIXED 2.75%	1,250,000	1,250,000	1,193,678
FOX POINT WI FXP 04/30 FIXED 1%	315,000	261,637	264,886
FRANKLIN WI PUBLIC SCH DIST FRASCD 04/31 FIXED 2%	100,000	88,785	87,305
FREDDIE MAC NOTES 02/25 4%	25,000,000	25,000,000	24,983,626

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **State Cash Accounts**

Issuer Name	Par Value	Book Value	Market Value
FREDDIE MAC NOTES 05/25 0.75%	9,455,000	9,455,000	9,322,002
FREDDIE MAC NOTES 08/25 4.25%	26,165,000	26,160,846	26,157,633
FREDDIE MAC NOTES 10/25 0.65%	16,000,000	16,000,000	15,544,217
FRIDLEY MN INDEP SCH DIST 14 FRISCD 02/32 FIXED 3%	100,000	102,260	99,264
FRISCO TX INDEP SCH DIST FSCSCD 08/37 ZEROCPNOID 0%	425,000	304,867	253,602
GALENA PARK TX INDEP SCH DIST GLPSCD 08/27 ZEROCPNOID 0%	60,000	55,227	55,075
GATEWAY WI TECH CLG DIST GATHGR 04/28 FIXED 2%	75,000	72,923	69,633
GAYLORD MN GAY 02/26 FIXED 2%	40,000	39,160	39,205
GENEVA WI JT SCH DIST 4 GENSCD 03/26 FIXED 3%	120,000	121,290	119,171
GEORGIA ST GAS 02/33 FIXED OID 2.5%	205,000	188,328	187,798
GILBERT MN GIL 02/28 FIXED 3%	40,000	40,167	39,457
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2023 1 A3	17,524,336	17,520,338	17,546,934
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2023 2 A3	14,691,337	14,665,085	14,714,806
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2024 1 A2A	31,179,030	31,176,941	31,255,313
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2024 1 A3	11,000,000	10,999,003	11,066,788
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2024 2 A2A	26,454,488	26,453,561	26,592,281
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2024 2 A3	8,000,000	7,999,624	8,087,753
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2024 3 A2A	23,000,000	22,999,051	22,976,351
GM FINANCIAL AUTOMOBILE LEASIN GMALT 2024 3 A3	6,500,000	6,499,292	6,463,439
GM FINANCIAL SECURITIZED TERM GMCAR 2021 3 A3	5,528,654	5,440,937	5,505,761
GM FINANCIAL SECURITIZED TERM GMCAR 2021 4 A3	3,777,131	3,777,089	3,741,973
GM FINANCIAL SECURITIZED TERM GMCAR 2022 2 A3	23,693,064	23,228,534	23,544,291
GM FINANCIAL SECURITIZED TERM GMCAR 2023 2 A2A	949,691	949,675	949,859
GM FINANCIAL SECURITIZED TERM GMCAR 2023 4 A2A	11,564,136	11,563,455	11,606,034
GM FINANCIAL SECURITIZED TERM GMCAR 2024 1 A2A	6,762,430	6,762,332	6,776,558
GM FINANCIAL SECURITIZED TERM GMCAR 2024 2 A2A	14,204,056	14,203,341	14,252,133
GM FINANCIAL SECURITIZED TERM GMCAR 2024 2 A3	15,500,000	15,497,421	15,653,281
GM FINANCIAL SECURITIZED TERM GMCAR 2024 3 A2A	30,000,000	29,999,937	30,142,164
GM FINANCIAL SECURITIZED TERM GMCAR 2024 3 A3	10,000,000	9,998,607	10,110,245
GM FINANCIAL SECURITIZED TERM GMCAR 2024 4 A2A	18,000,000	17,999,300	18,013,205
GM FINANCIAL SECURITIZED TERM GMCAR 2024 4 A3	6,500,000	6,498,800	6,479,853
GOLDEN VLY MN GOL 02/26 FIXED 2.25%	825,000	814,987	812,391
GOLDEN VLY MN GOL 02/32 FIXED 3%	100,000	100,142	99,998
GRAFTON WI GRA 06/26 FIXED 2%	250,000	250,136	243,145
GRAND CHUTE WI GRC 12/27 FIXED 2%	50,000	47,676	47,046
GRAND CHUTE WI GRC 12/31 FIXED 1.5%	380,000	338,018	308,796
GREEN BAY WI GRE 04/25 FIXED 1.25%	250,000	248,547	247,992
GREEN BAY WI GRE 04/29 FIXED 2%	50,000	46,970	45,220
GREENSBORO NC GRE 02/27 FIXED 1.125%	300,000	282,458	281,573
HARRIS CNTY TX MUNI UTILITY DI HARUTL 03/26 FIXED 3%	350,000	350,058	346,423
HARRIS CNTY TX MUNI UTILITY DI HARUTL 09/25 FIXED 3%	75,000	74,843	74,584
HASTINGS MN INDEP SCH DIST 20 HASSCD 02/29 ZEROCPNOID 0%	140,000	132,166	120,407
HASTINGS MN INDEP SCH DIST 20 HASSCD 02/36 ZEROCPNOID 0%	395,000	265,806	248,829
HAYFIELD MN INDEP SCH DIST 20 HAYSCD 02/35 FIXED OID 3%	150,000	155,776	141,526
HINCKLEY MN HIN 02/25 FIXED 2%	75,000	74,942	74,871
HOME DEPOT INC SR UNSECURED 04/25 5.125%	30,000,000	29,995,728	30,054,709
HOME DEPOT INC SR UNSECURED 09/26 4.95%	20,000,000	19,973,142	20,165,092
HOME DEPOT INC SR UNSECURED 12/25 5.1	30,000,000	29,983,362	30,202,056
HONDA AUTO RECEIVABLES OWNER T HAROT 2021 3 A3	918,001	917,997	916,137
HONDA AUTO RECEIVABLES OWNER T HAROT 2021 4 A3	2,733,504	2,690,437	2,712,245
HONDA AUTO RECEIVABLES OWNER T HAROT 2022 2 A3	9,981,623	9,835,667	9,947,824
HONDA AUTO RECEIVABLES OWNER T HAROT 2023 1 A3	34,925,287	35,032,001	35,043,691
HONDA AUTO RECEIVABLES OWNER T HAROT 2023 3 A2	11,954,147	11,953,597	11,977,387
HONDA AUTO RECEIVABLES OWNER T HAROT 2023 4 A2	15,652,748	15,652,054	15,712,372
HONDA AUTO RECEIVABLES OWNER T HAROT 2023 4 A3	11,000,000	10,998,525	11,174,602
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 1 A2	71,610,424	71,605,959	71,804,739
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 1 A3	16,750,000	16,749,405	16,923,039
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 2 A2	55,766,178	55,765,383	56,009,843
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 2 A3	20,000,000	19,997,886	20,241,684
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 3 A2	51,000,000	50,996,567	51,148,660
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 3 A3	15,000,000	14,997,822	15,011,603

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 4 A2	48,000,000	47,996,972	48,021,322
HONDA AUTO RECEIVABLES OWNER T HAROT 2024 4 A3	8,000,000	7,998,912	7,960,870
HOPKINS MN HOP 02/28 FIXED 2%	255,000	239,643	238,998
HOPKINS MN HOP 02/31 FIXED 1.15%	250,000	220,590	204,401
HOPKINS MN HOP 02/32 FIXED 3%	75,000	75,463	74,354
HOWARD LAKE WAVERLY WINSTED MN HOWSCD 02/25 FIXED 3%	250,000	249,819	249,875
HOWARD LAKE WAVERLY WINSTED MN HOWSCD 02/29 FIXED OID 3%	100,000	100,000	99,091
HOWARD WI HOW 12/30 FIXED 2%	210,000	188,072	185,057
HOWARD WI HOW 12/31 FIXED 2%	490,000	429,944	421,731
HUTCHINSON MN INDEP SCH DIST HUTSCD 02/29 FIXED 2%	135,000	126,130	126,927
HYUNDAI AUTO LEASE SECURITIZAT HALST 2023 A A3 144A	5,750,003	5,742,358	5,752,604
HYUNDAI AUTO LEASE SECURITIZAT HALST 2023 C A2A 144A	27,581,775	27,581,136	27,648,181
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 A A2A 144A	22,268,145	22,268,107	22,313,835
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 A A3 144A	8,500,000	8,498,853	8,543,955
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 B A2A 144A	51,859,391	51,855,648	52,096,902
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 B A3 144A	13,000,000	12,999,710	13,151,550
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 C A2A 144A	38,000,000	37,997,535	38,103,660
HYUNDAI AUTO LEASE SECURITIZAT HALST 2024 C A3 144A	13,000,000	12,999,710	13,006,500
HYUNDAI AUTO RECEIVABLES TRUST HART 2021 C A3	2,089,880	2,089,704	2,081,499
HYUNDAI AUTO RECEIVABLES TRUST HART 2023 C A2A	12,859,729	12,859,335	12,912,661
HYUNDAI AUTO RECEIVABLES TRUST HART 2023 C A3	10,000,000	9,998,974	10,147,039
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 A A2A	20,743,874	20,743,686	20,813,393
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 A A3	10,000,000	9,998,130	10,073,683
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 B A2A	30,000,000	29,998,964	30,109,938
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 B A3	9,500,000	9,498,695	9,548,180
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 C A2A	24,000,000	23,998,644	24,009,422
HYUNDAI AUTO RECEIVABLES TRUST HART 2024 C A3	8,000,000	7,999,440	7,966,105
INVER GROVE HEIGHTS MN INV 02/26 FIXED 2.75%	180,000	179,523	177,830
INVER GROVE HEIGHTS MN INV 02/27 FIXED 3%	50,000	49,502	49,782
IOWA CITY IA IOC 06/26 FIXED 2%	200,000	197,507	194,919
IOWA CITY IA IOC 06/27 FIXED 2%	220,000	208,511	209,707
IOWA ST WSTRN CMNTY CLG MERGED IAWHGR 06/28 FIXED 3%	570,000	560,730	559,006
IOWA ST WSTRN CMNTY CLG MERGED IAWHGR 06/29 FIXED 3%	225,000	221,741	217,679
ITASCA CNTY MN ITA 02/33 FIXED 2%	255,000	230,247	214,573
JACKSON WI JAC 06/36 FIXED 3%	200,000	200,000	181,768
JANESVILLE WI SCH DIST JANS CD 03/29 FIXED 2%	95,000	89,533	92,895
JEFFERSON OH LOCAL SCH DIST MA 2.25% due 12/01/26	430,000	423,160	423,160
JOHN DEERE CAPITAL CORP SR UNSECURED 06/25 4.95%	15,000,000	14,998,141	15,019,351
JOHN DEERE CAPITAL CORP SR UNSECURED 09/25 5.3%	40,000,000	39,994,786	40,202,486
JOHN DEERE OWNER TRUST JDOT 2021 B A3	3,421,759	3,421,664	3,404,581
JOHN DEERE OWNER TRUST JDOT 2023 B A2	12,719,168	12,718,787	12,716,004
JOHN DEERE OWNER TRUST JDOT 2023 C A3	34,000,000	33,998,281	34,325,434
JOHN DEERE OWNER TRUST JDOT 2024 A A2A	20,619,697	20,618,801	20,629,699
JOHN DEERE OWNER TRUST JDOT 2024 A A3	5,500,000	5,499,742	5,522,638
JOHN DEERE OWNER TRUST JDOT 2024 B A2A	64,000,000	63,996,947	64,195,654
JOHN DEERE OWNER TRUST JDOT 2024 B A3	12,500,000	12,497,820	12,627,359
JOHN DEERE OWNER TRUST JDOT 2024 C A2A	23,500,000	23,497,809	23,446,307
JOHN DEERE OWNER TRUST JDOT 2024 C A3	15,500,000	15,496,605	15,293,928
JOHNSON CNTY KS UNIF SCH DIST JOHSCD 09/29 FIXED 2%	35,000	32,616	31,718
JP MORGAN CHASE BANK NA SR UNSECURED 12/26 5.11%	50,000,000	50,000,000	50,528,600
KENOSHA CNTY WI KEN 08/28 FIXED 2%	300,000	283,027	276,512
KENOSHA CNTY WI KEN 08/30 FIXED 1.25%	1,150,000	1,150,000	977,442
KENOSHA CNTY WI KEN 09/25 FIXED 2%	250,000	248,372	246,869
KENOSHA CNTY WI KEN 09/25 FIXED 2.25%	710,000	712,058	702,866
KENOSHA CNTY WI KEN 09/26 FIXED 2%	200,000	196,780	192,753
KENOSHA CNTY WI KEN 09/29 FIXED 2%	225,000	209,675	202,625
KENOSHA WI KEN 09/25 FIXED 2.5%	100,000	99,029	99,243
KENOSHA WI KEN 10/25 FIXED 1%	245,000	240,409	238,876
KENOSHA WI KEN 10/31 FIXED 2%	135,000	119,172	116,604
KENOSHA WI UNIF SCH DIST 1 KENSCD 04/28 FIXED 3%	25,000	25,377	24,684
KENOSHA WI UNIF SCH DIST 1 KENSCD 04/31 FIXED 4.75%	195,000	195,000	195,206

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
KING CNTY WA SCH DIST 210 FED KINSCD 12/28 FIXED 4%	300,000	326,022	311,132
KING CNTY WA SCH DIST 414 LAK KINSCD 12/29 FIXED 2%	300,000	268,833	278,658
KINGSLAND MN INDEP SCH DIST 21 KINSCD 02/31 FIXED 3%	50,000	51,363	50,004
KOHLER WI SCH DIST KOHSCD 03/33 FIXED 2%	280,000	241,327	232,801
KUBOTA CREDIT OWNER TRUST KCOT 2021 2A A3 144A	1,217,232	1,217,221	1,215,077
KUBOTA CREDIT OWNER TRUST KCOT 2023 1A A2 144A	1,461,439	1,461,426	1,460,823
LA CROSSE WI SCH DIST LACSCD 03/31 FIXED 1%	785,000	647,070	625,967
LAC QUI PARLE VLY MN INDEP SCH LACSCD 02/33 FIXED OID 2%	130,000	112,191	108,701
LAC QUI PARLE VLY MN INDEP SCH LACSCD 02/35 FIXED OID 2.125%	50,000	51,457	40,593
LAC QUI PARLE VLY MN INDEP SCH LACSCD 02/36 FIXED OID 2.25%	50,000	51,505	40,371
LAKE ELMO MN LKE 01/28 FIXED 2%	485,000	460,841	455,314
LAKE ELMO MN LKE 02/32 FIXED 1.75%	440,000	379,030	374,059
LAKE ELMO MN LKE 02/33 FIXED OID 1.75%	440,000	373,563	365,953
LAKE GENEVA WI LKG 02/31 FIXED 1%	695,000	583,617	555,870
LAKEVILLE MN INDEP SCH DIST 1 LKVSCD 02/37 FIXED OID 2%	450,000	460,177	347,506
LAKEVILLE MN LKV 02/27 FIXED 3%	100,000	98,510	99,146
LAKEVILLE MN LKV 02/31 FIXED 2%	280,000	252,139	246,910
LAKEVILLE MN LKV 02/33 FIXED 2%	25,000	21,575	21,141
LANE CNTY OR SCH DIST 19 SPRI LANSCD 06/37 ZEROCPNOID 0%	450,000	322,236	269,361
LANESBORO MN LAN 02/29 FIXED 2.5%	140,000	134,653	131,786
LEAVENWORTH KS LEA 09/30 FIXED 1.75%	350,000	303,155	303,742
LESTER PRAIRIE MN INDEP SCH DI LSTSCD 02/33 FIXED 2.5%	465,000	465,000	413,063
LEWISVILLE TX INDEP SCH DIST LEWSCD 08/27 FIXED 4%	150,000	151,490	150,650
LEXINGTON CNTY SC SCH DIST 1 LEXSCD 02/34 FIXED OID 2.25%	80,000	68,046	69,156
MADISON SD CENTRL SCH DIST 39 NADSCD 08/28 FIXED 3%	585,000	585,000	569,917
MADISON WI AREA TECH CLG MADHGR 03/26 FIXED 3%	200,000	197,527	199,522
MADISON WI MAD 10/25 FIXED 2%	105,000	103,390	103,480
MADISON WI MAD 10/26 FIXED 3%	125,000	123,941	124,337
MADISON WI MAD 10/28 FIXED 2.25%	420,000	395,948	392,962
MADISON WI MAD 10/29 FIXED 2%	320,000	288,523	288,582
MADISON WI MET SCH DIST MADSCD 03/28 FIXED 2%	1,595,000	1,521,260	1,486,846
MADISON WI MET SCH DIST MADSCD 03/29 FIXED 2%	560,000	524,528	511,121
MAHTOMEDI MN INDEP SCH DIST 8 MTMSCD 02/27 FIXED 2%	200,000	193,630	193,544
MAHTOMEDI MN MTM 02/29 FIXED 2%	45,000	42,043	41,956
MANKATO MN MAN 02/25 FIXED OID 2.125%	25,000	24,976	24,960
MAPLE GROVE MN MGR 02/26 FIXED 2.2%	200,000	195,701	196,784
MAPLE GROVE MN MGR 02/32 FIXED OID 1.375%	465,000	392,934	377,238
MARICOPA CNTY AZ HIGH SCH DIST MARSCD 07/28 FIXED 5%	50,000	55,518	52,432
MARINETTE WI SCH DIST MARSCD 03/29 FIXED 2%	100,000	92,947	91,272
MARINETTE WI SCH DIST MARSCD 03/33 FIXED 1.65%	115,000	94,559	89,136
MASSMUTUAL GLOBAL FUNDIN SECURED 144A 04/27 5.1	25,000,000	24,994,227	25,295,439
MASSMUTUAL GLOBAL FUNDIN SECURED 144A 08/25 4.15%	10,000,000	9,997,655	9,977,939
MASSMUTUAL GLOBAL FUNDIN SR SECURED 144A 04/26 4.5%	25,000,000	24,992,428	24,978,013
MASSMUTUAL GLOBAL FUNDIN SR SECURED 144A 06/28 5.05%	25,000,000	24,978,151	25,196,855
MASSMUTUAL GLOBAL FUNDIN SR SECURED 144A 10/27 4.3%	30,000,000	29,979,719	29,716,500
MASTERCARD INC SR UNSECURED 01/28 4.1%	15,000,000	14,992,999	14,835,753
MAUSTON WI JT SCH DIST 1 MAUSCD 03/29 FIXED 2%	30,000	28,215	27,505
MAUSTON WI JT SCH DIST 1 MAUSCD 03/32 FIXED 1.37%	115,000	93,478	91,577
MAUSTON WI JT SCH DIST 1 MAUSCD 03/35 FIXED 1.7%	120,000	102,127	91,508
MCFARLAND WI MCF 03/38 FIXED OID 1.625%	100,000	75,879	67,391
MEDFORD WI MDF 12/25 FIXED 3%	180,000	180,809	179,324
MENDOTA HEIGHTS MN MEN 02/25 FIXED 2%	165,000	164,717	164,717
MERCEDES BENZ AUTO LEASE TRUST MBALT 2023 A A3	36,506,436	36,165,811	36,539,416
MERCEDES BENZ AUTO RECEIVABLES MBART 2021 1 A3	2,348,248	2,348,124	2,333,275
MERCEDES BENZ AUTO RECEIVABLES MBART 2023 2 A2	5,623,159	5,623,001	5,641,451
MESA AZ 2.25% due 07/01/29	595,000	567,304	567,304
MET LIFE GLOB FUNDING I SR SECURED 144A 03/25 VAR	15,000,000	15,000,000	15,022,527
MICROSOFT CORP SR UNSECURED 11/25 3.125%	15,000,000	15,295,396	14,843,510
MID STATE WI TECH CLG DIST MSTHGR 03/26 FIXED 2%	75,000	73,608	73,394
MILWAUKEE CNTY WI MLW 09/26 FIXED 2%	70,000	67,649	67,790
MILWAUKEE CNTY WI MLW 09/29 FIXED 2%	20,000	18,496	18,067

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
MILWAUKEE WI MLW 03/28 FIXED OID 2.25%	135,000	130,191	127,206
MILWAUKEE WI MLW 03/29 FIXED OID 2.5%	175,000	170,929	164,347
MILWAUKEE WI MLW 04/29 FIXED OID 2.25%	360,000	347,632	331,759
MILWAUKEE WI MLW 04/30 FIXED OID 2.375%	410,000	379,382	374,348
MINNEAPOLIS MN MIN 12/26 FIXED 2%	350,000	343,468	337,108
MINNEAPOLIS MN MIN 12/26 FIXED 2.5%	150,000	148,394	146,525
MINNEAPOLIS MN MIN 12/27 FIXED 2%	300,000	280,240	282,876
MINNEAPOLIS MN MIN 12/27 FIXED 2.5%	145,000	137,921	139,641
MINNEAPOLIS MN MIN 12/28 FIXED 2%	260,000	243,202	239,851
MINNETONKA MN INDEP SCH DIST MTKSCD 07/28 FIXED 2.75%	50,000	47,977	48,168
MINNETRISTA MN MTR 02/28 FIXED 2%	190,000	180,401	177,065
MINOT ND MIN 10/29 FIXED 3%	795,000	771,694	776,451
MMAF EQUIPMENT FINANCE LLC MMAF 2023 A A2 144A	8,500,768	8,500,663	8,526,958
MMAF EQUIPMENT FINANCE LLC MMAF 2024 A A2 144A	37,384,486	37,384,409	37,420,962
MONROE CNTY WI MON 03/37 FIXED OID 1.5%	120,000	91,329	82,478
MONTGOMERY MN INDEP SCH DIST MTGSCD 02/28 FIXED 4%	25,000	25,053	25,007
MONTICELLO MN MON 12/26 FIXED 2.5%	215,000	210,577	209,944
MOORHEAD MN MOO 02/36 FIXED OID 2%	450,000	370,053	354,804
MOORHEAD MN MOO 11/31 FIXED 2%	310,000	310,000	270,340
MOORHEAD MN MOO 11/34 FIXED OID 2.125%	295,000	293,053	245,584
MOUNDS VIEW MN MND 02/29 FIXED 2%	20,000	18,364	18,910
MULTNOMAH CLACKAMAS CNTYS OR S MULSCD 06/32 ZEROCPNOID 0%	200,000	150,747	147,824
MULTNOMAH CLACKAMAS CNTYS OR S MULSCD 06/33 ZEROCPNOID 0%	700,000	553,868	494,901
MULTNOMAH CLACKAMAS CNTYS OR S MULSCD 06/34 ZEROCPNOID 0%	700,000	531,715	472,509
MULTNOMAH CNTY OR SCH DIST 1J MULSCD 06/33 FIXED OID 3%	25,000	22,547	23,641
MULTNOMAH CNTY OR SCH DIST 40 MULSCD 06/26 ZEROCPNOID 0%	30,000	29,229	28,538
MURRAY CNTY MN MRY 04/29 FIXED 2%	200,000	183,782	182,246
N E WI TECH CLG DIST NWIHGR 04/26 FIXED 1%	185,000	178,289	176,829
N E WI TECH CLG DIST NWIHGR 04/28 FIXED 3%	115,000	115,098	115,012
N SAINT PAUL MAPLEWOOD OAKDALE NSPSCD 02/31 FIXED 2%	175,000	155,038	153,716
NATIONAL RURAL UTIL COOP SR UNSECURED 06/26 1%	45,000,000	44,968,308	42,719,285
NATIONAL SECS CLEARING SR UNSECURED 144A 04/25 1.5%	5,500,000	5,508,400	5,448,846
NATIONAL SECS CLEARING SR UNSECURED 144A 05/25 5.15%	7,000,000	6,999,432	7,014,657
NATIONAL SECS CLEARING SR UNSECURED 144A 06/26 5.15	12,000,000	11,999,459	12,104,974
NEBO UT SCH DIST NEBSCD 07/31 FIXED 2%	130,000	113,877	112,250
NEENAH WI NEE 03/28 FIXED 1%	125,000	113,217	111,482
NEENAH WI NEE 03/31 FIXED 2%	300,000	281,615	262,384
NEENAH WI NEE 03/32 FIXED 2%	290,000	248,767	248,236
NEW HOPE MN NWH 02/27 FIXED 2.5%	175,000	172,376	169,412
NEW LONDON WI NLD 05/35 FIXED 3%	210,000	213,191	187,638
NEW YORK LIFE GLOBAL FDG SECURED 144A 01/25 2%	10,000,000	9,981,875	9,985,326
NEW YORK LIFE GLOBAL FDG SECURED 144A 01/26 0.85%	20,000,000	19,996,137	19,252,680
NEW YORK LIFE GLOBAL FDG SECURED 144A 04/26 VAR	30,000,000	30,000,000	30,226,513
NEW YORK LIFE GLOBAL FDG SECURED 144A 05/25 VAR	25,000,000	25,000,000	25,034,321
NEW YORK LIFE GLOBAL FDG SECURED 144A 06/25 VAR	50,000,000	50,000,000	50,104,983
NEW YORK LIFE GLOBAL FDG SECURED 144A 10/27 3.9%	40,000,000	39,991,906	39,288,443
NEW YORK LIFE GLOBAL FDG SECURED 144A 12/29 4.6%	25,000,000	24,985,940	24,816,855
NEW YORK LIFE GLOBAL FDG SR SECURED 144A 01/25 VAR	50,000,000	50,000,000	50,001,971
NEW YORK LIFE GLOBAL FDG SR SECURED 144A 04/25 VAR	30,000,000	30,000,000	30,035,606
NEW YORK LIFE GLOBAL FDG SR SECURED 144A 09/26 5.45%	30,000,000	29,996,674	30,453,619
NISSAN AUTO LEASE TRUST NALT 2024 A A2A	34,685,965	34,685,107	34,774,269
NISSAN AUTO LEASE TRUST NALT 2024 B A2A	27,000,000	26,998,052	27,147,733
NISSAN AUTO LEASE TRUST NALT 2024 B A3	16,000,000	15,999,934	16,107,550
NISSAN AUTO RECEIVABLES OWNER NAROT 2023 A A2B	548,718	548,718	548,853
NISSAN AUTO RECEIVABLES OWNER NAROT 2024 A A2A	43,858,983	43,858,631	44,025,147
NISSAN AUTO RECEIVABLES OWNER NAROT 2024 A A3	20,000,000	19,998,370	20,271,970
NISSAN AUTO RECEIVABLES OWNER NAROT 2024 B A2A	32,500,000	32,497,585	32,512,347
NISSAN AUTO RECEIVABLES OWNER NAROT 2024 B A3	5,250,000	5,249,535	5,228,540
NORTH BRANCH MN INDEP SCH DIST 3.00% due 02/01/26	490,000	491,470	491,470
NORTH SAINT PAUL MN NSP 02/30 FIXED 2%	510,000	462,611	459,964
NORTHFIELD MN NFD 02/29 FIXED 1%	75,000	74,706	63,992

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities **State Cash Accounts**

Issuer Name	Par Value	Book Value	Market Value
NORTHWEST TX INDEP SCH DIST NWTSCD 02/30 FIXED 4%	1,550,000	1,673,496	1,559,140
NORTHWESTERN MUTUAL GLBL SECURED 144A 07/25 4%	20,000,000	19,998,809	19,941,084
NORTHWESTERN MUTUAL GLBL SR SECURED 144A 06/25 VAR	50,000,000	50,000,000	50,104,909
NORTHWESTERN MUTUAL GLBL SR SECURED 144A 09/27 4.11%	20,000,000	19,999,458	19,723,866
NORWALK IA CMNTY SCH DIST NWKSCD 05/25 FIXED 3%	500,000	498,626	499,168
NORWALK IA CMNTY SCH DIST NWKSCD 05/26 FIXED 3%	575,000	574,466	569,189
NORWALK IA NWK 06/27 FIXED 2.5%	175,000	171,180	169,204
OAKDALE MN OKD 02/27 FIXED 2%	80,000	77,219	77,767
OCONOMOWOC WI OCO 04/29 FIXED 2%	130,000	122,121	118,448
OMERS FINANCE TRUST COMPANY GUAR 144A 03/26 1.1%	12,500,000	12,497,862	11,978,023
OREGON WI ORE 03/29 FIXED 3%	60,000	60,000	58,384
ORONO MN INDEP SCH DIST 278 OROSCD 02/33 FIXED OID 3.125%	50,000	51,553	49,074
OSHKOSH WI OSH 12/38 FIXED OID 3%	300,000	298,308	263,834
OSSEO MN INDEP SCH DIST 279 OSSSCD 02/31 FIXED OID 1.5%	325,000	283,115	276,883
OTTER TAIL CNTY MN OTT 05/27 FIXED 2%	205,000	210,670	195,062
OTTER TAIL CNTY MN OTT 05/28 FIXED 2%	60,000	61,961	55,738
OTTER TAIL CNTY MN OTT 05/29 FIXED 1.15%	160,000	160,000	138,649
OUTAGAMIE CNTY WI OUT 11/27 FIXED 2.5%	90,000	87,240	86,403
PACIFIC LIFE GF II SECURED 144A 01/25 VAR	60,000,000	60,000,000	60,005,509
PACIFIC LIFE GF II SECURED 144A 07/26 VAR	30,000,000	30,000,000	30,290,160
PACIFIC LIFE GF II SECURED 144A 08/26 5.5%	25,000,000	24,995,043	25,339,627
PALM BEACH FL PAL 07/34 FIXED 2%	135,000	137,531	110,517
PEPSICO INC SR UNSECURED 11/25 5.25%	50,000,000	49,985,249	50,342,321
PEPSICO INC SR UNSECURED 11/26 5.125%	12,000,000	11,997,939	12,149,205
PERHAM MN INDEP SCH DIST 549 PERSCD 02/30 FIXED 3%	25,000	25,000	24,180
PFIZER INVESTMENT ENTER COMPANY GUAR 05/25 4.65%	37,000,000	36,880,081	37,014,796
PIERCE CNTY WA SCH DIST 320 S PIESCD 12/27 FIXED 3%	115,000	112,640	112,923
PIMA CNTY AZ UNIF SCH DIST 6M PIMSCD 07/35 FIXED 4%	500,000	529,374	505,297
PINAL CNTY AZ UNIF SCH DIST 2 PINSCD 07/25 FIXED 5%	70,000	70,847	70,604
PINE CNTY MN PIN 02/28 FIXED 2.25%	25,000	23,673	23,917
PLAINVIEW ELGIN MILLVILLE MN I PLASCD 02/28 FIXED 1%	240,000	216,184	214,030
PLANO TX INDEP SCH DIST PNOSCD 02/30 FIXED 3%	50,000	48,494	48,712
PLYMOUTH MN PLY 02/31 FIXED 2%	250,000	223,233	220,455
PLYMOUTH MN PLY 02/33 FIXED 2%	580,000	519,861	490,462
PRICOA GLOBAL FUNDING 1 SECURED 144A 08/26 5.55%	10,000,000	9,994,219	10,149,772
PRICOA GLOBAL FUNDING 1 SECURED 144A 08/27 4.4%	7,000,000	6,998,628	6,973,389
PRIOR LAKE MN INDEP SCH DIST PRRSCD 02/26 ZEROCPNOID 0%	45,000	44,636	43,158
PRIOR LAKE MN INDEP SCH DIST PRRSCD 02/27 ZEROCPNOID 0%	140,000	129,501	129,472
PROCTER + GAMBLE CO/THE SR UNSECURED 04/26 1%	11,109,000	10,622,965	10,648,694
PSP CAPITAL INC COMPANY GUAR 144A 03/25 VAR	33,000,000	33,000,000	33,003,092
RACINE WI UNIF SCH DIST RACSCD 04/26 FIXED 3%	65,000	64,685	64,705
RAMSEY CNTY MN RAM 02/33 FIXED 2%	390,000	399,361	329,794
RAMSEY CNTY MN RAM 02/39 FIXED 2%	240,000	240,567	185,164
RED OAK TX INDEP SCH DIST ROKSCD 08/28 FIXED 5%	700,000	762,609	721,960
ROBBINSDALE MN INDEP SCH DIST ROBSCD 02/28 FIXED OID 2.125%	30,000	30,027	28,499
ROBBINSDALE MN INDEP SCH DIST ROBSCD 02/30 FIXED 2%	200,000	180,900	182,090
ROBBINSDALE MN INDEP SCH DIST ROBSCD 02/31 FIXED 2%	200,000	178,588	179,018
ROCHESTER MN INDEP SCH DIST 5 ROCSCD 02/25 FIXED 3%	100,000	99,875	99,950
ROCHESTER MN INDEP SCH DIST 5 ROCSCD 02/34 FIXED OID 2.125%	100,000	101,422	82,815
ROCHESTER MN ROC 02/32 FIXED 3.75%	625,000	625,226	625,075
ROUND LAKE BREWSTER INDPT SCH RLBSCD 02/26 FIXED 3%	35,000	35,056	34,833
ROYAL BANK OF CANADA SR UNSECURED 04/25 3.375%	15,000,000	14,999,457	14,950,031
SAINT CLOUD MN SUD 02/30 FIXED OID 2.125%	100,000	94,705	90,546
SAINT JOSEPH MN SJS 12/28 FIXED 2%	215,000	200,543	200,664
SAINT JOSEPH MO STJ 03/32 FIXED OID 1.375%	280,000	234,616	224,503
SAINT LOUIS CNTY MN STL 12/30 FIXED OID 2.25%	110,000	104,124	99,329
SAINT LOUIS PARK MN SLP 02/26 FIXED OID 2%	780,000	768,474	763,586
SAINT LOUIS PARK MN SLP 02/30 FIXED 2%	50,000	47,318	44,794
SAINT LOUIS PARK MN SLP 02/33 FIXED 1.35%	250,000	208,489	197,124
SAINT LOUIS PARK MN SLP 02/36 FIXED 2%	355,000	361,758	276,229
SAINT MICHAEL MN INDEP SCH DIS STMSCD 02/29 FIXED 3%	500,000	500,931	499,356

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities		State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value	
SAINT MICHAEL MN STM 02/31 FIXED 2%	300,000	267,881	258,422	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/27 FIXED 3%	160,000	160,643	158,650	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/28 FIXED 2%	175,000	164,940	163,931	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/29 FIXED OID 3.25%	100,000	100,183	99,997	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/31 FIXED 2%	135,000	120,208	119,233	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/34 FIXED OID 2%	130,000	132,742	107,665	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/35 FIXED OID 3.125%	150,000	156,557	143,697	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/39 FIXED 3%	300,000	300,000	267,290	
SAINT PAUL MN INDEP SCH DIST STPSCD 02/40 FIXED 2%	165,000	165,000	117,105	
SARANAC MI CMNTY SCH DIST SARSCD 05/27 FIXED 3%	200,000	200,806	198,149	
SARTELL MN SAR 08/27 FIXED 3%	295,000	296,396	293,531	
SAUK CENTRE MN SKC 09/25 FIXED 2.2%	210,000	207,890	207,786	
SCOTT CNTY IA SCO 06/27 FIXED 2.125%	445,000	428,455	425,335	
SCOTT CNTY MN SCO 12/36 FIXED 3%	200,000	200,000	180,893	
SEATTLE WA SEA 08/33 FIXED 2%	150,000	128,384	125,418	
SHAKOPEE MN SHA 02/30 FIXED 2%	300,000	300,000	272,392	
SHAWNEE CNTY KS UNIF SCH DIST SHASCD 08/27 FIXED 4%	380,000	431,595	385,856	
SHEBOYGAN WI SHE 12/27 FIXED 3%	185,000	179,462	180,866	
SHERBURNE CNTY MN SHB 02/38 FIXED OID 3.25%	110,000	110,119	103,799	
SHOREVIEW MN SHO 02/26 FIXED 5%	125,000	127,835	127,790	
SIoux CITY IA SIO 06/25 FIXED 2%	150,000	150,000	148,779	
SIoux CITY IA SIO 06/27 FIXED 1.5%	400,000	387,484	373,471	
SIoux CITY IA SIO 06/30 FIXED 1.5%	470,000	409,107	402,163	
SOUTH WASHINGTON CNTY MN INDEP SWHSCD 02/28 FIXED 4%	25,000	25,917	25,243	
SOUTH WASHINGTON CNTY MN INDEP SWHSCD 02/29 FIXED 3%	385,000	385,000	378,881	
SOUTH WASHINGTON CNTY MN INDEP SWHSCD 02/33 FIXED 4%	25,000	26,146	25,324	
ST PAUL MN STP 05/33 FIXED 2%	30,000	25,784	24,898	
STEELE CNTY MN SEE 12/30 FIXED 2%	50,000	46,004	44,888	
STEPHEN MN INDEP SCH DIST 285 SPHSCD 02/29 FIXED 4%	40,000	44,705	41,229	
STEVENS POINT AREA WI PUBLIC S STESCD 04/31 FIXED 4%	35,000	37,489	35,690	
SUN PRAIRIE WI AREA SCH DIST SUNSCD 03/32 FIXED 2%	25,000	21,913	21,400	
SUN PRAIRIE WI SUN 04/31 FIXED 1.5%	30,000	25,590	24,797	
TEA SD SCH DIST 41 5 TEASCD 01/29 FIXED OID 2.45%	410,000	401,558	386,009	
TERRELL TX INDEP SCH DIST TRRS CD 08/26 ZEROCPNOID 0%	115,000	108,238	109,201	
TEXAS ST TXS 08/26 FIXED OID 2.25%	100,000	97,833	97,374	
TEXAS ST TXS 08/32 FIXED 2.25%	100,000	89,196	88,038	
TEXAS ST TXS 10/34 FIXED 5%	75,000	81,612	78,019	
THIEF RIVER FALLS MN INDEP SCH THISCD 02/32 FIXED 2.5%	200,000	186,467	182,866	
TOPEKA KS TOP 08/28 FIXED 1%	250,000	223,574	221,451	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2021 C A3	1,394,641	1,371,843	1,390,102	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2021 D A3	6,720,502	6,643,713	6,671,544	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2023 C A3	12,500,000	12,497,975	12,597,580	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2023 D A2A	16,876,084	16,875,922	16,933,691	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2023 D A3	13,000,000	12,998,917	13,190,571	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 A A2A	19,593,611	19,593,033	19,623,403	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 A A3	25,000,000	24,995,934	25,127,720	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 B A2A	26,034,483	26,033,032	26,133,641	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 B A3	15,750,000	15,748,058	15,964,022	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 C A2A	56,750,000	56,749,539	56,982,476	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 C A3	16,000,000	15,999,991	16,109,917	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 D A2A	23,000,000	22,998,608	23,016,346	
TOYOTA AUTO RECEIVABLES OWNER TAOT 2024 D A3	7,500,000	7,499,599	7,477,271	
TOYOTA LEASE OWNER TRUST TLOT 2023 B A2A 144A	16,196,643	16,196,513	16,243,163	
TOYOTA LEASE OWNER TRUST TLOT 2024 A A2A 144A	9,393,239	9,392,715	9,408,643	
TOYOTA LEASE OWNER TRUST TLOT 2024 A A3 144A	7,000,000	6,999,781	7,055,492	
TOYOTA LEASE OWNER TRUST TLOT 2024 B A2A 144A	28,000,000	27,996,814	27,954,133	
TOYOTA LEASE OWNER TRUST TLOT 2024 B A3 144A	15,000,000	14,998,409	14,912,846	
TOYOTA MOTOR CREDIT CORP SR UNSECURED 03/27 5	15,000,000	14,986,377	15,133,455	
TOYOTA MOTOR CREDIT CORP SR UNSECURED 05/26 VAR	30,000,000	30,000,000	30,190,200	
TOYOTA MOTOR CREDIT CORP SR UNSECURED 06/25 3.95%	20,000,000	19,996,712	19,931,908	
TOYOTA MOTOR CREDIT CORP SR UNSECURED 08/26 4.55%	7,000,000	6,996,500	7,004,397	

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities		State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value	
TOYOTA MOTOR CREDIT CORP SR UNSECURED 11/26 5.4%	40,000,000	39,976,735	40,615,986	
TRAVIS CNTY TX TRA 03/27 FIXED 1%	170,000	163,892	158,723	
U.S. TREASURY FRN 01/25 VAR%	50,000,000	49,998,762	50,001,622	
U.S. TREASURY N/B 08/25 3.125%	25,000,000	24,707,600	24,826,563	
URBANDALE IA URB 06/28 FIXED 2%	50,000	47,761	46,583	
URBANDALE IA URB 06/28 FIXED 3%	390,000	387,800	387,133	
URBANDALE IA URB 06/29 FIXED 3%	400,000	396,120	393,373	
US BANK NA CINCINNATI SR UNSECURED 01/25 2.05%	25,812,000	25,771,508	25,773,284	
US BANK NA CINCINNATI SR UNSECURED 01/25 2.8	4,700,000	4,692,984	4,691,270	
VISA INC SR UNSECURED 12/25 3.15%	55,000,000	55,954,457	54,362,918	
W ALLIS WI WTA 04/28 FIXED 2.25%	410,000	389,195	388,680	
W FARGO ND PUBLIC SCH DIST 6 WESSCD 05/29 FIXED OID 2.375%	60,000	60,291	56,805	
W FARGO ND PUBLIC SCH DIST 6 WESSCD 05/31 FIXED 4%	625,000	638,939	626,239	
W FARGO ND PUBLIC SCH DIST 6 WESSCD 08/29 FIXED 2%	50,000	45,449	45,949	
W FARGO ND PUBLIC SCH DIST 6 WESSCD 08/31 FIXED 2%	295,000	258,629	257,450	
W FARGO ND WES 05/25 FIXED 3%	100,000	99,967	99,859	
W FARGO ND WES 05/28 FIXED 2%	300,000	282,905	280,611	
W FARGO ND WES 05/31 FIXED 3.375%	200,000	200,243	198,279	
WACONIA MN WAC 02/27 FIXED 2%	35,000	33,614	33,819	
WACONIA MN WAC 02/29 FIXED 1%	505,000	442,504	428,470	
WAHPETON ND WAH 05/26 FIXED 3%	65,000	64,151	64,834	
WARREN CNTY IA WAR 06/32 FIXED 5%	25,000	29,401	26,937	
WASHINGTON CNTY OR SCH DIST 4 WASSCD 06/32 ZEROCPNOID 0%	230,000	185,902	170,994	
WASHINGTON ST WAS 12/26 ZEROCPNOID 0%	480,000	447,032	451,490	
WATERLOO IA 3.00% due 06/01/26	650,000	652,181	652,181	
WATERLOO IA WAT 06/28 FIXED 2%	175,000	162,730	163,042	
WATERLOO IA WAT 06/28 FIXED OID 3.25%	215,000	215,102	214,180	
WAUKESHA CNTY WI WAK 04/25 FIXED 2%	400,000	398,451	397,903	
WAUKESHA CNTY WI WAK 04/27 FIXED 2.125%	1,500,000	1,451,070	1,444,222	
WAUKESHA CNTY WI WAK 04/30 FIXED 1.5%	700,000	638,284	607,937	
WAUKESHA WI WAU 10/29 FIXED 2%	600,000	572,817	538,364	
WAUKESHA WI WAU 10/31 FIXED 4%	460,000	492,029	466,145	
WAUNAKEE WI WNK 06/27 FIXED 3%	150,000	150,668	147,818	
WAUSAU WI WSU 04/27 FIXED 3%	490,000	490,928	485,097	
WAUSAU WI WSU 04/39 FIXED 2.75%	380,000	380,000	308,576	
WAVERLY IA WAV 06/27 FIXED 3%	700,000	700,716	692,468	
WAYLAND MI UNION SCH DIST WYLSCD 05/26 FIXED 5%	300,000	308,717	307,180	
WAYZATA MN WAY 02/30 FIXED 2.65%	170,000	167,213	160,536	
WELLS FARGO BANK NA SR UNSECURED 08/25 5.55%	50,000,000	49,989,219	50,223,444	
WELLS FARGO BANK NA SR UNSECURED 12/26 5.254%	40,000,000	40,000,000	40,473,218	
WELLS FARGO TSY+ MMKT SVCE 12/49 VARI 1	847,969,826	847,967,967	847,969,826	
WEST DE PERE WI SCH DIST WDPSCD 04/40 FIXED 2.5%	250,000	228,377	243,610	
WEST DES MOINES IA CMNTY SCH D WESSCD 05/30 FIXED 2%	110,000	100,776	98,394	
WEST DES MOINES IA WES 06/29 FIXED 3%	100,000	100,224	99,153	
WEST SAINT PAUL MN WSP 02/26 FIXED 2%	145,000	142,374	142,823	
WHITE BEAR MN WHT 02/27 FIXED 2%	25,000	24,131	24,222	
WILLMAR MN INDEP SCH DIST 347 WILSCD 02/34 FIXED OID 3.375%	25,000	25,036	25,002	
WILLMAR MN INDEP SCH DIST 347 WILSCD 02/35 FIXED OID 3.375%	60,000	60,128	60,004	
WILLMAR MN WIL 02/38 FIXED 3.4%	75,000	68,299	71,387	
WISCONSIN INDIANHEAD TECH CLG WISHGR 10/25 FIXED 2%	250,000	245,297	246,244	
WISCONSIN RAPIDS WI SCH DIST WRPSCD 04/33 FIXED 2%	50,000	43,034	40,472	
WOODBURY MN WOO 02/26 FIXED OID 2.125%	130,000	128,101	127,828	
WORLD OMNI AUTO RECEIVABLES TR WOART 2021 B A3	2,747,264	2,737,652	2,738,629	
WORLD OMNI AUTO RECEIVABLES TR WOART 2021 D A3	3,658,657	3,658,435	3,630,974	
WORLD OMNI AUTO RECEIVABLES TR WOART 2022 A A3	9,369,548	9,170,983	9,259,343	
WORLD OMNI AUTO RECEIVABLES TR WOART 2022 C A3	15,619,023	15,427,045	15,543,561	
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 A A3	17,638,311	17,590,164	17,666,887	
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 B A2A	587,745	587,718	588,018	
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 C A2A	8,366,661	8,366,352	8,382,291	
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 D A2A	9,260,734	9,260,218	9,298,813	
WORLD OMNI AUTO RECEIVABLES TR WOART 2023 D A3	13,000,000	12,998,292	13,228,090	

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Fixed Income and Short-Term Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 A A2A	18,362,565	18,361,513	18,389,821
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 A A3	14,000,000	13,998,460	14,062,047
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 B A2A	33,412,516	33,409,747	33,555,344
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 B A3	12,000,000	11,998,514	12,150,980
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 C A2A	50,000,000	49,999,045	50,091,400
WORLD OMNI AUTO RECEIVABLES TR WOART 2024 C A3	9,000,000	8,998,312	8,967,969
WORLD OMNI AUTOMOBILE LEASE SE WOLS 2023 A A2A	65,189	65,187	65,205
WORLD OMNI AUTOMOBILE LEASE SE WOLS 2024 A A2A	22,836,186	22,834,173	22,957,409

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
Total Cash Equivalent Securities	23,385,079,000	23,182,193,642	23,182,927,067
ASL REPO due 01/02/24	550,000,000	550,000,000	550,000,000
BANK NOVA SCOTIA HOUSTON TEX 5.52% due 04/15/25	100,000,000	100,000,000	100,000,000
BANK OF AMERICA 07/25 4.54 due 07/02/25	75,000,000	75,000,000	75,000,000
BANK OF AMERICA 07/25 FIXED 4.27 due 07/02/25	100,000,000	100,000,000	100,000,000
BANK OF AMERICA 07/25 FIXED 4.55 due 07/02/25	75,000,000	75,000,000	75,000,000
BANK OF AMERICA 07/25 FIXED 4.58 due 07/02/25	75,000,000	75,000,000	75,000,000
BANK OF AMERICA 07/25 FIXED 5.11 due 07/02/25	100,000,000	100,000,000	100,000,000
BANK OF AMERICA 5.28% due 02/28/25	100,000,000	100,000,000	100,000,000
BANK OF AMERICA due 07/16/25	100,000,000	100,000,000	100,000,000
BANK OF MONTREAL 07/25 4.6 due 07/02/25	100,000,000	100,000,000	100,000,000
BANK OF MONTREAL 07/25 FIXED 4.29 due 07/02/25	100,000,000	100,000,000	100,000,000
BANK OF MONTREAL 5.25% due 03/14/25	100,000,000	100,000,000	100,000,000
BANK OF MONTREAL 5.30% due 03/07/25	100,000,000	100,000,000	100,000,000
BANK OF MONTREAL 5.50% due 06/18/25	100,000,000	100,000,000	100,000,000
CABOT TRAIL FUNDING LLC 01/25 ZCP due 01/31/25	75,000,000	74,693,750	74,693,750
CABOT TRAIL FUNDING LLC 03/25 ZCP due 03/12/25	50,000,000	49,573,681	49,573,681
CABOT TRAIL FUNDING LLC 03/25 ZCP due 03/26/25	125,000,000	123,683,417	123,683,417
CABOT TRAIL FUNDING LLC 04/25 ZCP due 04/23/25	50,000,000	49,290,667	49,290,667
CABOT TRAIL FUNDING LLC 05/25 ZCP due 05/07/25	13,494,000	13,279,108	13,279,108
CABOT TRAIL FUNDING LLC 06/25 ZCP due 06/12/25	100,000,000	97,948,000	97,948,000
CABOT TRAIL FUNDING LLC 06/25 ZCP due 06/13/25	50,000,000	48,967,667	48,967,667
CABOT TRAIL FUNDING LLC due 02/07/25	60,000,000	59,694,750	59,694,750
CABOT TRAIL FUNDING LLC due 03/28/25	80,000,000	79,153,378	79,153,378
CABOT TRAIL FUNDING LLC due 05/06/25	50,000,000	49,210,069	49,210,069
CAFCO LLC 03/25 ZCP due 03/12/25	50,000,000	49,558,611	49,558,611
CAFCO LLC 04/25 ZCP due 04/30/25	25,000,000	24,628,951	24,628,951
CAFCO LLC due 01/02/25	50,000,000	49,992,639	49,992,639
CAFCO LLC due 01/15/25	50,000,000	49,910,167	49,910,167
CAFCO LLC due 01/24/25	75,000,000	74,779,104	74,779,104
CAFCO LLC due 01/27/25	50,000,000	49,835,694	49,835,694
CAFCO LLC due 02/05/25	29,350,000	29,217,884	29,217,884
CAFCO LLC due 02/06/25	50,000,000	49,771,000	49,771,000
CAFCO LLC due 02/07/25	50,000,000	49,764,639	49,764,639
CAFCO LLC due 03/14/25	50,000,000	49,533,000	49,533,000
CAFCO LLC due 05/07/25	50,000,000	49,221,250	49,221,250
CAFCO LLC due 05/21/25	50,000,000	49,134,722	49,134,722
CAFCO LLC due 05/30/25	100,000,000	98,133,361	98,133,361
CAFCO LLC due 06/17/25	50,000,000	48,967,847	48,967,847
CAFCO LLC due 07/02/25	50,000,000	48,867,556	48,867,556
CANADIAN IMPERIAL BK 11/25 FIXED 4.61 due 11/26/25	100,000,000	100,000,000	100,000,000
CANADIAN IMPERIAL BK 5.29% due 02/28/25	100,000,000	100,000,000	100,000,000
CANADIAN IMPERIAL BK 5.33% due 02/28/25	100,000,000	100,000,000	100,000,000
CANADIAN IMPERIAL BK 5.35% due 03/14/25	100,000,000	100,000,000	100,000,000
CANADIAN IMPERIAL BK 5.40% due 03/14/25	100,000,000	100,000,000	100,000,000
CANADIAN IMPERIAL BK 5.45% due 06/04/25	100,000,000	100,000,000	100,000,000
CANADIAN IMPERIAL BK 5.52% due 04/09/25	100,000,000	100,000,000	100,000,000
CANTOR FITZGERALD REPO due 01/02/24	350,000,000	350,000,000	350,000,000
CDP FINANCIAL INC 01/25 ZCP due 01/15/25	50,000,000	49,898,306	49,898,306
CDP FINANCIAL INC due 01/02/25	66,500,000	66,490,339	66,490,339
CDP FINANCIAL INC due 01/14/25	30,000,000	29,943,450	29,943,450
CDP FINANCIAL INC due 01/29/25	50,000,000	49,802,056	49,802,056
CDP FINANCIAL INC due 02/07/25	98,000,000	97,489,379	97,489,379
CHARIOT FNDG LLC due 02/06/25	20,000,000	19,907,000	19,907,000
CHARIOT FNDG LLC due 02/12/25	30,000,000	29,837,600	29,837,600
CHARIOT FNDG LLC due 04/01/25	25,000,000	24,713,750	24,713,750
CHARIOT FNDG LLC due 04/15/25	50,000,000	49,338,444	49,338,444
CISCO SYSTEMS INC due 01/10/25	50,000,000	49,934,375	49,934,375
CISCO SYSTEMS INC due 02/14/25	25,000,000	24,853,333	24,853,333
CISCO SYSTEMS INC due 03/07/25	25,000,000	24,775,208	24,775,208
CISCO SYSTEMS INC due 03/12/25	25,000,000	24,773,958	24,773,958

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
CISCO SYSTEMS INC due 03/14/25	50,000,000	49,536,000	49,536,000
CISCO SYSTEMS INC due 03/28/25	90,000,000	89,073,350	89,073,350
CISCO SYSTEMS INC due 05/15/25	55,250,000	54,345,128	54,345,128
CISCO SYSTEMS INC due 06/02/25	20,500,000	20,115,693	20,115,693
CISCO SYSTEMS INC due 06/03/25	50,000,000	49,054,375	49,054,375
CISCO SYSTEMS INC due 06/10/25	100,000,000	98,022,222	98,022,222
CRC FUNDING LLC 01/25 ZCP due 01/02/25	50,000,000	49,992,639	49,992,639
CRC FUNDING LLC 03/25 ZCP due 03/14/25	50,000,000	49,525,000	49,525,000
CRC FUNDING LLC due 02/04/25	100,000,000	99,567,444	99,567,444
CRC FUNDING LLC due 03/10/25	50,000,000	49,571,222	49,571,222
CRC FUNDING LLC due 03/12/25	30,000,000	29,731,667	29,731,667
CRC FUNDING LLC due 04/09/25	50,000,000	49,387,500	49,387,500
CRC FUNDING LLC due 04/14/25	50,000,000	49,351,958	49,351,958
CRC FUNDING LLC due 04/30/25	75,000,000	73,891,813	73,891,813
CRC FUNDING LLC due 05/30/25	50,000,000	49,068,750	49,068,750
CRC FUNDING LLC due 06/04/25	50,000,000	49,048,194	49,048,194
CRC FUNDING LLC due 06/09/25	50,000,000	49,017,292	49,017,292
CRC FUNDING LLC due 06/20/25	50,000,000	48,949,306	48,949,306
CRC FUNDING LLC due 06/24/25	50,000,000	48,924,583	48,924,583
CRC FUNDING LLC due 07/02/25	100,000,000	97,740,167	97,740,167
ELI LILLY + COMPANY due 01/21/25	50,000,000	49,872,222	49,872,222
ELI LILLY + COMPANY due 01/29/25	100,000,000	99,644,556	99,644,556
EUROPEAN INVT BNK due 03/24/25	50,000,000	49,487,500	49,487,500
EUROPEAN INVT BNK due 04/17/25	48,600,000	47,905,965	47,905,965
EUROPEAN INVT BNK due 04/30/25	175,000,000	172,433,649	172,433,649
EXPORT DEVELMT CORP due 01/15/25	175,000,000	174,671,632	174,671,632
EXPORT DEVELMT CORP due 02/12/25	25,000,000	24,861,896	24,861,896
EXPORT DEVELMT CORP due 02/14/25	37,300,000	37,079,806	37,079,806
EXPORT DEVELMT CORP due 02/26/25	75,000,000	74,471,889	74,471,889
EXPORT DEVELMT CORP due 05/30/25	100,000,000	98,162,333	98,162,333
EXPORT DEVELMT CORP due 06/04/25	25,000,000	24,538,000	24,538,000
EXPORT DEVELMT CORP due 07/18/25	225,000,000	219,688,375	219,688,375
FAIRWAY FINANCE CORP 02/25 ZCP due 02/10/25	25,000,000	24,872,778	24,872,778
FAIRWAY FINANCE CORP 06/25 ZCP due 06/17/25	25,000,000	24,485,083	24,485,083
FAIRWAY FINANCE CORP due 01/24/25	50,000,000	49,842,514	49,842,514
FAIRWAY FINANCE CORP due 01/29/25	100,000,000	99,618,889	99,618,889
FAIRWAY FINANCE CORP due 01/30/25	100,000,000	99,605,278	99,605,278
FAIRWAY FINANCE CORP due 02/12/25	70,000,000	69,613,717	69,613,717
FAIRWAY FINANCE CORP due 03/07/25	50,000,000	49,572,083	49,572,083
FAIRWAY FINANCE CORP due 03/26/25	55,000,000	54,396,833	54,396,833
FAIRWAY FINANCE CORP due 04/09/25	95,000,000	93,823,319	93,823,319
FAIRWAY FINANCE CORP due 04/23/25	25,000,000	24,665,556	24,665,556
FAIRWAY FINANCE CORP due 04/30/25	30,000,000	29,551,767	29,551,767
FAIRWAY FINANCE CORP due 05/15/25	75,000,000	73,747,472	73,747,472
FAIRWAY FINANCE CORP due 05/21/25	35,000,000	34,387,500	34,387,500
FAIRWAY FINANCE CORP due 05/30/25	25,000,000	24,532,306	24,532,306
FED FARM CRD DISCOUNT NT 01/25	50,000,000	49,993,266	49,988,306
FED FARM CRD DISCOUNT NT 03/25	25,000,000	24,803,684	24,806,813
FED FARM CRD DISCOUNT NT due 01/10/25	50,000,000	49,936,352	49,941,528
FED FARM CRD DISCOUNT NT due 01/15/25	25,000,000	24,952,694	24,956,146
FED FARM CRD DISCOUNT NT due 01/16/25	90,000,000	89,817,144	89,831,600
FED FARM CRD DISCOUNT NT due 01/24/25	50,000,000	49,835,200	49,859,667
FED FARM CRD DISCOUNT NT due 01/29/25	40,000,000	39,863,509	39,864,344
FED FARM CRD DISCOUNT NT due 02/21/25	25,000,000	24,849,754	24,847,431
FED FARM CRD DISCOUNT NT due 02/25/25	25,000,000	24,826,500	24,835,695
FED FARM CRD DISCOUNT NT due 03/04/25	12,000,000	11,910,431	11,911,485
FED FARM CRD DISCOUNT NT due 04/04/25	50,000,000	49,423,580	49,455,584
FED FARM CRD DISCOUNT NT due 05/05/25	35,000,000	34,474,466	34,498,698
FED FARM CRD DISCOUNT NT due 05/06/25	50,000,000	49,270,448	49,278,125
FED FARM CRD DISCOUNT NT due 05/07/25	25,000,000	24,636,674	24,636,198
FED FARM CRD DISCOUNT NT due 05/09/25	50,000,000	49,250,895	49,260,938

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
FED FARM CRD DISCOUNT NT due 05/21/25	25,000,000	24,584,124	24,596,094
FED FARM CRD DISCOUNT NT due 06/03/25	50,000,000	49,109,156	49,121,986
FED FARM CRD DISCOUNT NT due 06/04/25	25,000,000	24,543,722	24,558,142
FED FARM CRD DISCOUNT NT due 06/05/25	11,500,000	11,291,158	11,295,434
FED FARM CRD DISCOUNT NT due 06/09/25	25,000,000	24,536,839	24,543,889
FED FARM CRD DISCOUNT NT due 06/17/25	50,000,000	49,029,962	49,042,167
FED FARM CRD DISCOUNT NT due 06/27/25	15,000,000	14,708,623	14,695,546
FED FARM CRD DISCOUNT NT due 07/02/25	37,000,000	36,217,742	36,231,679
FED FARM CRD DISCOUNT NT due 07/03/25	15,000,000	14,675,145	14,686,817
FED FARM CRD DISCOUNT NT due 07/15/25	30,000,000	29,321,345	29,332,783
FED FARM CRD DISCOUNT NT due 07/22/25	10,000,000	9,768,006	9,769,651
FED FARM CRD DISCOUNT NT due 07/24/25	25,000,000	24,414,273	24,418,455
FED FARM CRD DISCOUNT NT due 07/25/25	35,000,000	34,218,607	34,181,865
FED FARM CRD DISCOUNT NT due 07/28/25	25,000,000	24,404,373	24,407,108
FED FARM CRD DISCOUNT NT due 07/31/25	12,000,000	11,710,697	11,711,327
FED FARM CRD DISCOUNT NT due 08/08/25	50,000,000	48,742,919	48,759,445
FED FARM CRD DISCOUNT NT due 08/14/25	50,000,000	48,705,800	48,725,611
FED FARM CRD DISCOUNT NT due 08/19/25	25,000,000	24,336,960	24,348,708
FED FARM CRD DISCOUNT NT due 08/22/25	25,000,000	24,372,166	24,340,250
FED FARM CRD DISCOUNT NT due 4/30/25	50,000,000	49,295,716	49,305,000
FED FARM CRD DISCOUNT NT due 6/18/25	25,000,000	24,502,539	24,518,233
FED HOME LN DISCOUNT NT due 01/02/25	25,000,000	24,996,898	24,994,153
FED HOME LN DISCOUNT NT due 01/03/25	25,000,000	24,993,795	24,991,229
FED HOME LN DISCOUNT NT due 01/07/25	50,000,000	49,962,475	49,959,070
FED HOME LN DISCOUNT NT due 01/10/25	75,000,000	74,908,683	74,912,292
FED HOME LN DISCOUNT NT due 01/15/25	275,000,000	274,489,590	274,517,603
FED HOME LN DISCOUNT NT due 01/24/25	50,000,000	49,847,301	49,859,667
FED HOME LN DISCOUNT NT due 02/12/25	50,000,000	49,753,645	49,747,674
FED HOME LN DISCOUNT NT due 02/26/25	100,000,000	99,344,688	99,331,042
FED HOME LN DISCOUNT NT due 02/28/25	35,000,000	34,749,821	34,757,649
FED HOME LN DISCOUNT NT due 03/26/25	50,000,000	49,507,874	49,502,396
FED HOME LN DISCOUNT NT due 03/28/25	75,000,000	74,226,350	74,236,031
FED HOME LN DISCOUNT NT due 03/31/25	50,000,000	49,480,560	49,473,125
FED HOME LN DISCOUNT NT due 04/04/25	70,000,000	69,211,071	69,237,817
FED HOME LN DISCOUNT NT due 04/15/25	50,000,000	49,407,526	49,391,875
FED HOME LN DISCOUNT NT due 04/23/25	25,000,000	24,675,206	24,672,771
FED HOME LN DISCOUNT NT due 05/02/25	310,000,000	305,537,244	305,666,457
FED HOME LN DISCOUNT NT due 05/07/25	150,000,000	147,752,553	147,817,188
FED HOME LN DISCOUNT NT due 05/15/25	50,000,000	49,204,228	49,226,563
FED HOME LN DISCOUNT NT due 05/16/25	50,000,000	49,200,465	49,220,834
FED HOME LN DISCOUNT NT due 05/30/25	305,000,000	299,627,993	299,757,813
FED HOME LN DISCOUNT NT due 06/04/25	20,000,000	19,633,219	19,646,514
FED HOME LN DISCOUNT NT due 06/27/25	25,000,000	24,475,123	24,492,577
FED HOME LN DISCOUNT NT due 07/02/25	100,000,000	97,890,948	97,923,458
FED HOME LN DISCOUNT NT due 07/11/25	50,000,000	48,907,186	48,910,667
FED HOME LN DISCOUNT NT due 07/15/25	50,000,000	48,872,851	48,887,972
FED HOME LN DISCOUNT NT due 07/16/25	40,000,000	39,103,954	39,105,839
FED HOME LN DISCOUNT NT due 07/18/25	150,000,000	146,589,733	146,612,855
FED HOME LN DISCOUNT NT due 07/24/25	25,000,000	24,415,456	24,418,455
FEDERATION DES CAISSES due 07/18/25	100,000,000	97,604,750	97,604,750
GTA FDG LLC DISC 03/25 ZCP due 03/14/25	50,000,000	49,554,000	49,554,000
GTA FDG LLC DISC due 01/13/25	50,000,000	49,922,833	49,922,833
GTA FDG LLC DISC due 01/23/25	59,500,000	59,312,740	59,312,740
GTA FDG LLC DISC due 01/30/25	44,700,000	44,523,559	44,523,559
GTA FDG LLC DISC due 02/12/25	100,000,000	99,440,000	99,440,000
GTA FDG LLC DISC due 02/14/25	65,729,000	65,331,340	65,331,340
GTA FDG LLC DISC due 03/28/25	80,000,000	79,163,889	79,163,889
GTA FDG LLC DISC due 06/27/25	50,000,000	48,888,833	48,888,833
GTA FDG LLC DISC due 07/11/25	100,000,000	97,665,556	97,665,556
HER MAJESTY RGT CANA due 01/02/25	50,000,000	49,993,292	49,993,292
HSBC REPO due 01/02/24	900,000,000	900,000,000	900,000,000

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
JOHNSON + JOHNSON due 01/13/25	50,000,000	49,924,333	49,924,333
JOHNSON + JOHNSON due 01/28/25	50,000,000	49,830,500	49,830,500
JOHNSON + JOHNSON due 02/18/25	75,000,000	74,556,000	74,556,000
JOHNSON + JOHNSON due 06/24/25	50,000,000	48,975,333	48,975,333
JOHNSON + JOHNSON due 06/30/25	50,000,000	48,940,000	48,940,000
KFW INTL FINANCE INC 02/25 ZCP due 02/21/25	100,000,000	99,314,333	99,314,333
KFW INTL FINANCE INC due 02/10/25	50,000,000	49,730,556	49,730,556
KFW INTL FINANCE INC due 03/12/25	50,000,000	49,554,722	49,554,722
KFW INTL FINANCE INC due 05/07/25	100,000,000	98,442,500	98,442,500
KFW INTL FINANCE INC due 05/15/25	100,000,000	98,362,222	98,362,222
KFW INTL FINANCE INC due 06/27/25	102,000,000	99,793,400	99,793,400
LVMH due 01/15/25	25,000,000	24,953,917	24,953,917
LVMH due 02/03/25	25,000,000	24,887,250	24,887,250
LVMH due 04/04/25	20,000,000	19,772,667	19,772,667
LVMH due 04/30/25	28,700,000	28,298,702	28,298,702
LVMH due 06/20/25	65,000,000	63,627,958	63,627,958
LVMH due 06/27/25	50,000,000	48,901,125	48,901,125
LVMH due 07/02/25	30,000,000	29,323,567	29,323,567
LVMH due 07/16/25	90,000,000	87,893,000	87,893,000
LVMH MOET HEN LV SE due 02/14/25	55,500,000	55,187,967	55,187,967
LVMH MOET HEN LV SE due 03/28/25	120,000,000	118,753,478	118,753,478
LVMH MOET HEN LV SE due 04/09/25	85,000,000	83,961,472	83,961,472
LVMH MOET HEN LV SE due 04/30/25	55,000,000	54,190,965	54,190,965
LVMH MOET HEN LV SE due 05/15/25	50,000,000	49,177,389	49,177,389
LVMH MOET HEN LV SE due 06/20/25	45,000,000	44,050,125	44,050,125
METLIFE SHORT TERM FDG due 01/02/25	65,197,000	65,187,919	65,187,919
METLIFE SHORT TERM FDG due 01/10/25	22,630,000	22,601,995	22,601,995
METLIFE SHORT TERM FDG due 01/15/25	33,000,000	32,935,833	32,935,833
METLIFE SHORT TERM FDG due 01/24/25	66,504,000	66,291,432	66,291,432
METLIFE SHORT TERM FDG due 01/30/25	16,500,000	16,435,999	16,435,999
METLIFE SHORT TERM FDG due 02/26/25	21,754,000	21,591,570	21,591,570
METLIFE SHORT TERM FDG due 03/14/25	68,000,000	67,404,320	67,404,320
METLIFE SHORT TERM FDG due 04/15/25	20,000,000	19,743,467	19,743,467
METLIFE SHORT TERM FDG due 05/16/25	72,290,000	71,075,528	71,075,528
NATIONAL SECS CLEARING due 01/28/25	47,000,000	46,846,663	46,846,663
NATIONAL SECS CLEARING due 01/30/25	50,000,000	49,794,181	49,794,181
NATIONAL SECS CLEARING due 01/31/25	50,000,000	49,787,917	49,787,917
NATIONAL SECS CLEARING due 02/03/25	50,000,000	49,766,708	49,766,708
NATIONAL SECS CLEARING due 02/26/25	10,500,000	10,418,333	10,418,333
NATWEST REPO due 01/02/24	100,000,000	100,000,000	100,000,000
NESTLE CAP CORP due 02/14/25	50,000,000	49,721,333	49,721,333
NESTLE CAP CORP due 03/07/25	25,000,000	24,793,715	24,793,715
NESTLE FIN FRANCE S. due 01/29/25	25,000,000	24,904,333	24,904,333
NESTLE FIN FRANCE S. due 02/06/25	75,000,000	74,673,750	74,673,750
NESTLE FIN FRANCE S. due 02/18/25	11,870,000	11,797,197	11,797,197
NESTLE FIN FRANCE S. due 03/12/25	50,000,000	49,558,611	49,558,611
NEW YORK LIFE SHORT TERM FDG L 01/25 ZCP due 01/22/25	64,700,000	64,524,501	64,524,501
NEW YORK LIFE SHORT TERM FDG L 02/25 ZCP due 02/19/25	49,500,000	49,193,444	49,193,444
OLD LINE FUNDING LLC 02/25 ZCP due 02/14/25	40,000,000	39,765,333	39,765,333
OLD LINE FUNDING LLC due 01/31/25	16,570,000	16,502,615	16,502,615
OLD LINE FUNDING LLC due 02/26/25	100,000,000	99,300,000	99,300,000
OLD LINE FUNDING LLC due 02/28/25	130,000,000	129,061,689	129,061,689
OLD LINE FUNDING LLC due 03/28/25	50,000,000	49,476,833	49,476,833
OLD LINE FUNDING LLC due 04/09/25	100,000,000	98,761,389	98,761,389
OLD LINE FUNDING LLC due 05/16/25	50,000,000	49,161,875	49,161,875
OLD LINE FUNDING LLC due 06/02/25	50,000,000	49,052,111	49,052,111
OLD LINE FUNDING LLC due 06/13/25	50,000,000	48,983,514	48,983,514
OLD LINE FUNDING LLC due 07/02/25	115,000,000	112,412,819	112,412,819
OMERS FINANCE TRUST due 03/04/25	41,000,000	40,680,838	40,680,838
ONTARIO TEACHERS FINAN due 02/25/25	46,000,000	45,631,744	45,631,744
ONTARIO TEACHERS FINAN due 03/03/25	24,500,000	24,282,467	24,282,467

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
ONTARIO TEACHERS FINAN due 04/30/25	50,000,000	49,188,486	49,188,486
ONTARIO TEACHERS FINAN due 05/13/25	50,000,000	49,164,000	49,164,000
ONTARIO TEACHERS FINAN due 05/15/25	46,000,000	45,219,227	45,219,227
ONTARIO TEACHERS FINAN due 05/30/25	30,000,000	29,441,250	29,441,250
ONTARIO TEACHERS FINAN due 06/13/25	19,400,000	19,039,861	19,039,861
ONTARIO TEACHERS FINAN due 07/02/25	50,000,000	48,897,889	48,897,889
PACIFIC LIFE SHORT TERM due 02/14/25	50,000,000	49,725,000	49,725,000
PEPSICO INC due 01/29/25	80,000,000	79,703,822	79,703,822
PEPSICO INC due 01/31/25	40,000,000	39,840,000	39,840,000
PEPSICO INC due 02/12/25	30,000,000	29,830,600	29,830,600
PEPSICO INC due 02/14/25	80,000,000	79,526,756	79,526,756
PEPSICO INC due 02/28/25	24,600,000	24,416,101	24,416,101
PFIZER INC due 01/10/25	50,000,000	49,933,875	49,933,875
PFIZER INC due 02/06/25	21,400,000	21,296,210	21,296,210
PFIZER INC due 02/07/25	77,760,000	77,348,412	77,348,412
PFIZER INC due 03/14/25	25,000,000	24,776,000	24,776,000
PFIZER INC due 03/28/25	50,000,000	49,476,833	49,476,833
PRICOA SHT TRM FNDG LL due 02/28/25	50,000,000	49,609,306	49,609,306
PRICOA SHT TRM FNDG LL due 03/07/25	50,000,000	49,562,153	49,562,153
PROCTOR GAMBLE AND CO due 03/25/25	50,000,000	49,417,847	49,417,847
PROCTOR GAMBLE AND CO due 04/04/25	50,000,000	49,373,542	49,373,542
PROCTOR GAMBLE AND CO due 04/09/25	50,000,000	49,353,472	49,353,472
PROCTOR GAMBLE AND CO due 04/15/25	50,000,000	49,313,889	49,313,889
PROV. BRITISH COLUMBIA 05/25 ZCP due 05/13/25	66,303,000	65,209,001	65,209,001
PROV. BRITISH COLUMBIA due 02/21/25	24,450,000	24,286,165	24,286,165
PROV. BRITISH COLUMBIA due 04/24/25	60,552,000	59,695,753	59,695,753
PROV. BRITISH COLUMBIA due 05/05/25	59,200,000	58,281,992	58,281,992
PROV. BRITISH COLUMBIA due 05/16/25	73,700,000	72,453,549	72,453,549
PROV. BRITISH COLUMBIA due 05/23/25	91,500,000	89,875,514	89,875,514
PROV. BRITISH COLUMBIA due 06/04/25	57,100,000	56,022,809	56,022,809
PROV. BRITISH COLUMBIA due 06/05/25	34,330,000	33,668,551	33,668,551
PROV. BRITISH COLUMBIA due 06/06/25	14,800,000	14,514,543	14,514,543
PROV. BRITISH COLUMBIA due 06/25/25	20,066,000	19,634,860	19,634,860
PROV. BRITISH COLUMBIA due 06/26/25	92,700,000	90,676,462	90,676,462
PROV. BRITISH COLUMBIA due 06/30/25	69,750,000	68,193,878	68,193,878
PROV. BRITISH COLUMBIA due 07/22/25	8,500,000	8,286,806	8,286,806
PROV. BRITISH COLUMBIA due 08/11/25	58,630,000	57,030,495	57,030,495
PSP CAPITAL INC. due 01/24/25	50,000,000	49,844,111	49,844,111
PSP CAPITAL INC. due 01/31/25	41,300,000	41,142,372	41,142,372
PSP CAPITAL INC. due 02/12/25	100,000,000	99,465,667	99,465,667
PSP CAPITAL INC. due 02/13/25	53,900,000	53,606,425	53,606,425
PSP CAPITAL INC. due 02/14/25	100,000,000	99,447,556	99,447,556
PSP CAPITAL INC. due 05/07/25	50,000,000	49,230,000	49,230,000
PSP CAPITAL INC. due 05/30/25	70,000,000	68,724,808	68,724,808
PSP CAPITAL INC. due 07/02/25	50,000,000	48,900,417	48,900,417
PSP CAPITAL INC. due 07/15/25	14,000,000	13,679,225	13,679,225
PSP CAPITAL INC. due 08/15/25	100,000,000	97,344,500	97,344,500
QUEBEC GOVT due 01/15/25	100,000,000	99,812,167	99,812,167
QUEBEC GOVT due 01/30/25	100,000,000	99,608,500	99,608,500
QUEBEC GOVT due 02/12/25	105,000,000	104,436,267	104,436,267
QUEBEC GOVT due 02/14/25	125,000,000	124,298,444	124,298,444
QUEBEC GOVT due 02/28/25	25,000,000	24,824,792	24,824,792
QUEBEC GOVT due 03/21/25	25,000,000	24,749,285	24,749,285
ROYAL BK CDA N Y 5.43% due 05/07/25	100,000,000	100,000,000	100,000,000
ROYAL BK CDA N Y 5.50% due 04/30/25	100,000,000	100,000,000	100,000,000
ROYAL BK CDA N Y due 07/02/25	400,000,000	400,000,000	400,000,000
ROYAL BK CDA N Y due 12/03/25	100,000,000	100,000,000	100,000,000
THUNDER BAY FNDNG LLC due 01/02/25	50,000,000	49,993,097	49,993,097
THUNDER BAY FNDNG LLC due 01/15/25	50,000,000	49,904,139	49,904,139
THUNDER BAY FNDNG LLC due 01/24/25	50,000,000	49,842,833	49,842,833
THUNDER BAY FNDNG LLC due 01/31/25	50,000,000	49,795,000	49,795,000

Minnesota State Board of Investment
Public Markets Asset Listing
As of December 31, 2024

Cash Equivalent Securities	State Cash Accounts		
Issuer Name	Par Value	Book Value	Market Value
THUNDER BAY FNDNG LLC due 02/12/25	125,000,000	124,305,250	124,305,250
THUNDER BAY FNDNG LLC due 03/14/25	50,000,000	49,562,000	49,562,000
THUNDER BAY FNDNG LLC due 05/07/25	50,000,000	49,216,000	49,216,000
THUNDER BAY FNDNG LLC due 05/15/25	40,000,000	39,335,956	39,335,956
THUNDER BAY FNDNG LLC due 05/22/25	50,000,000	49,134,417	49,134,417
THUNDER BAY FNDNG LLC due 05/30/25	50,000,000	49,081,167	49,081,167
THUNDER BAY FNDNG LLC due 07/11/25	100,000,000	97,678,819	97,678,819
THUNDER BAY FNDNG LLC due 07/18/25	50,000,000	48,795,500	48,795,500
TORONTO DOMINION BK 5.34% due 03/28/25	100,000,000	100,000,000	100,000,000
TORONTO DOMINION BK 5.37% due 03/28/25	100,000,000	100,000,000	100,000,000
TORONTO DOMINION BK 5.40% due 03/25/25	50,000,000	50,000,000	50,000,000
TORONTO DOMINION BK 5.44% due 04/09/25	100,000,000	100,000,000	100,000,000
TORONTO DOMINION BK 5.55% due 04/30/25	50,000,000	50,000,000	50,000,000
TORONTO DOMINION BK 5.57% due 04/30/25	75,000,000	75,000,000	75,000,000
TORONTO DOMINION BK 5.57% due 05/07/25	100,000,000	100,000,000	100,000,000
TORONTO DOMINION BK due 04/09/25	15,000,000	15,000,000	15,000,000
TORONTO DOMINION BK due 07/02/25	75,000,000	75,000,000	75,000,000
TOYOTA MOTOR CREDIT due 01/15/25	75,000,000	74,855,625	74,855,625
TOYOTA MOTOR CREDIT due 01/30/25	100,000,000	99,605,278	99,605,278
TOYOTA MOTOR CREDIT due 01/31/25	50,000,000	49,798,333	49,798,333
TOYOTA MOTOR CREDIT due 02/12/25	50,000,000	49,723,500	49,723,500
TOYOTA MOTOR CREDIT due 02/28/25	50,000,000	49,631,861	49,631,861
TOYOTA MOTOR CREDIT due 03/12/25	200,000,000	198,257,778	198,257,778
TOYOTA MOTOR CREDIT due 05/15/25	75,000,000	73,753,056	73,753,056
US TREASURY BILL due 01/02/25	185,000,000	184,975,139	184,975,139
US TREASURY BILL due 01/07/25	50,000,000	49,962,308	49,962,308
US TREASURY BILL due 01/09/25	50,000,000	49,949,833	49,949,833
US TREASURY BILL due 01/14/25	50,000,000	49,918,389	49,918,389
US TREASURY BILL due 01/28/25	50,000,000	49,834,963	49,834,963
US TREASURY BILL due 01/30/25	210,000,000	209,241,861	209,241,861
US TREASURY BILL due 02/04/25	50,000,000	49,789,389	49,789,389
US TREASURY BILL due 02/11/25	100,000,000	99,503,946	99,503,946
US TREASURY BILL due 02/13/25	50,000,000	49,744,389	49,744,389
US TREASURY BILL due 02/25/25	50,000,000	49,669,435	49,669,435
US TREASURY BILL due 02/27/25	50,000,000	49,666,313	49,666,313
US TREASURY BILL due 03/06/25	100,000,000	99,247,067	99,247,067
US TREASURY BILL due 03/11/25	50,000,000	49,595,296	49,595,296
US TREASURY BILL due 03/13/25	50,000,000	49,578,161	49,578,161
US TREASURY BILL due 03/27/25	50,000,000	49,505,938	49,505,938
US TREASURY BILL due 04/24/25	100,000,000	98,651,220	98,651,220
US TREASURY BILL due 05/15/25	150,000,000	147,648,467	147,648,467

This page intentionally left blank.

Minnesota State Board of Investment
60 Empire Drive
Suite 100
St. Paul, MN 55103

<https://msbi.us/>