

South Carolina
Retirement System Investment Commission

Annual Investment Report

Fiscal Year Ended June 30, 2018

Capitol Center
1201 Main Street, Suite 1510
Columbia, SC 29201

Rebecca Gunnlaugsson, Ph.D.
Chair for the period July 1, 2016 - June 30, 2018

Ronald Wilder, Ph.D.
Chair for the period July 1, 2018 - Present

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CHAIR REPORT

RONALD P. WILDER, PH. D
CHAIR

PEGGY G. BOYKIN, CPA
COMMISSIONER

WILLIAM (BILL) J. CONDON, JR. JD, MA, CPA
COMMISSIONER

EDWARD N. GIOBBE, MBA
COMMISSIONER



RETIREMENT SYSTEM INVESTMENT COMMISSION

REBECCA M. GUNNLAUGSSON, PH. D
VICE-CHAIR

ALLEN R. GILLESPIE, CFA
COMMISSIONER

WILLIAM (BILL) H. HANCOCK, CPA
COMMISSIONER

REYNOLDS WILLIAMS, JD, CFP
COMMISSIONER

December 14, 2018

The Honorable Henry D. McMaster, Governor
Members of the State Fiscal Accountability Authority
Members of the General Assembly of South Carolina

RE: 2017-2018 Annual Investment Report

Dear Ladies and Gentlemen:

On behalf of the South Carolina Retirement System Investment Commission (RSIC), it is my pleasure to provide the enclosed report on the investments performance of the South Carolina Retirement Systems portfolio for Fiscal Year Ended 2018.

For the Fiscal Year Ended June 30, 2018, the RSIC's investment portfolio enjoyed strong performance achieving an 7.82 percent return net of fees, which exceeded the portfolio's Policy benchmark return of 7.28 percent by 54 basis points. We are pleased that for the second fiscal year in a row, the portfolio's investment return exceeded the actuarial rate of return of 7.25 percent.

The portfolio's strong absolute returns had a significant positive impact on the fund's total asset value. As of June 30, 2018, the total portfolio assets were valued at \$31.3 billion, reflecting a \$1.2 billion increase in assets over the previous fiscal year net of fees and benefit payments. The increased total asset value resulted from a \$2.3 billion net inflow from investment performance which was offset by an outflow of \$1.1 billion in net benefit payments.

Although we have seen strong absolute portfolio returns over the past two fiscal years, we have experienced the resurgence of market volatility at the beginning of Fiscal Year 2018-2019. The renewed market volatility will likely provide unique challenges in the ensuing fiscal year, but we believe that our organization is prepared for what lies ahead. We are also constantly mindful that despite short-term market movement, we are long-term investors charged with the duty to help provide promised benefits earned over a lifetime of service.

We are truly humbled by the faith and confidence placed in us to serve our beneficiaries. We are also secure in the belief that our dedicated staff possesses the knowledge and ability to best manage the Systems' funds and assets on behalf of those we are privileged to serve.

We greatly appreciate the support you have provided the RSIC and, most importantly, the over 500,000 beneficiaries we serve.

Sincerely,

A handwritten signature in black ink that reads "Ronald P. Wilder". The signature is written in a cursive style with a large initial 'R'.

Ronald P. Wilder, Chair

CONSULTANT LETTER



MEMORANDUM

To: The Honorable Henry McMaster, Governor
State Fiscal Accountability Authority
Members of the General Assembly

From: Meketa Investment Group

Date: September 10, 2018

Re: Fiscal Year 2018 Review

As the general investment consultant for the Retirement System Investment Commission (RSIC) of South Carolina, Meketa Investment Group is pleased to present this summary of the fiscal year events and investment performance of the South Carolina Retirement System (SCRS) investment portfolio for the fiscal year ending June 30, 2018.

FISCAL 2018 MARKET ENVIRONMENT REVIEW

The fiscal year was largely a story of two environments. In 2017, we saw synchronized global growth, low volatility, tax cuts in the U.S. at year-end, and a weak U.S. dollar. During the last two quarters of 2017 most asset classes were up, particularly riskier ones. Emerging market stocks led the way in Q3 (+7.9%) and Q4 (+7.4%). U.S. and developed international equities also posted strong returns over both quarters, while fixed income assets were largely up but with more modest returns in the “risk on” environment.

The trends of 2017 persisted into early 2018, but the environment quickly changed. In 2018, we have seen volatility increase from its very low levels, interest rates and inflation rise, the U.S. dollar rebound, and trade tensions between the U.S. and others heat-up. In this environment, U.S. equities were one of the few asset classes to perform well, while international equities and most fixed income asset classes fell. High yield bonds did post a modest gain (+0.2%) in the first two quarters of 2018.

The net result of the two environments on the fiscal year returns ending June 2018 was that equities increased, particularly in the U.S., while TIPS and high yield bonds posted relatively modest gains. Emerging market bonds fell and the broad U.S. bond market slightly declined.

For the fiscal year, U.S. equities, as represented by the Russell 3000, rose 14.8%. The trend of U.S. growth stocks outperforming value stocks persisted and small capitalization stocks (+17.6%) outperformed large capitalization (+14.5%) and mid-capitalization (+12.3%) stocks. The MSCI EAFE, representing foreign developed markets, increased at less than half the rate of U.S. equities, up 6.8%. Emerging market equities’ strong returns in 2017 were balanced by an 8.0% decline in the second quarter of 2018 as a stronger dollar and trade tensions weighed on results. The MSCI Emerging Markets Equity index gained 8.2% for the full fiscal year.

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Within fixed income, positive returns in the final two quarters of 2017 moved to concerns over rising interest rates and inflation creating headwinds in 2018. In the U.S., the Federal Reserve increased short-term interest rates for the seventh time in June to a range of 1.75% to 2.00% and continued to reduce its balance sheet. The rate increases contributed to the flattening of the U.S. yield curve during the fiscal year. Over the trailing year, TIPS (+2.1%) and high yield bonds (+2.6%) increased, while the broad U.S. bond market, represented by the Barclays Aggregate Index, fell 0.4%. Similar to emerging market equities, returns for emerging market bonds in the second quarter of 2018 weighed on the fiscal year results. In this case, the impact was more dramatic, as the 10.4% decline in the second quarter for emerging market bonds (as represented by JPM GBI-EM Global Diversified - Local Currency) led to a -2.3% return for the trailing year.

Within other asset classes, natural resource stocks (S&P Global Natural Resources Index) rose 24.8%, commodities (Bloomberg Commodity Index) gained 7.4%, and REITs (MSCI U.S. REIT Index) gained 3.6%. Oil prices finished the fiscal year at over \$60/barrel, representing a dramatic increase from their recent lows. Cuts from OPEC and strong growth globally contributed to the rise in oil prices.

LOOKING FORWARD

Looking forward, there are several issues that we continue to monitor. First is the potential for major central banks around the globe to tighten monetary policy at the same time. Second, in the U.S., equity markets remain extended and the current economic cycle has been long. Also in the U.S., trade policy remains a key issue. Next is the declining growth in China and the impact of trade tensions with the U.S. Finally, political uncertainty and ongoing structural issues remain a concern in Europe.

After an extended period of monetary support through low interest rates and bond purchases from banks (i.e., quantitative easing), we could be moving into a period where central banks pull back support at the same time. The U.S. is further along in that process with the Federal Reserve increasing interest rates and reducing its balance sheet. It is also largely expected that the European Central Bank (ECB) will end its quantitative easing by year-end. If multiple central banks begin pulling back support, this could put further upward pressure on rates, weigh on economic growth, and tighten liquidity.

The U.S. economy and equity markets have experienced a long period of growth since the Global Financial Crisis due in part to central bank support. Late cycle dynamics of low unemployment and rising inflation are in place and valuations are stretched for equities. It is inevitable that growth will eventually slow and equity markets pull back, but the question is when. Other key issues in the U.S. include policy uncertainty related to tariffs, immigration, and strategic alliances.

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China has the second largest economy behind the U.S. After a long period of growth through government investment, it continues to manage a repositioning of its economy to one of consumption. This has led to a slowing of its economy and has hurt countries that depend on its trade. The recent enactment of tariffs between the U.S. and China is another key issue that could have a disproportionately negative impact on China, as the U.S. is one of their largest export destinations. Another core issue in China remains its high debt levels, particularly in the corporate sector.

Europe continues to have the structural problem of maintaining a single currency and central bank, while fiscal policy rests with each individual country. Consequently, countries that are experiencing financial difficulties are unable to use the traditional tools of lowering interest rates and devaluing their currency to stimulate growth. This has caused tensions within the Eurozone, as highlighted by the recent elections in Italy and the prior elections in Germany, as well as the on-going issues in Greece. Given the size of Italy's bond market and economy within the euro area, an Italian sovereign debt crisis or its departure from the euro would have significant consequences.

We will continue to monitor these issues and others.

SCRS INVESTMENT RESULTS

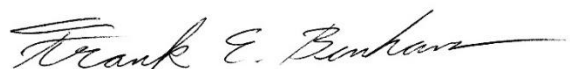
As of June 30, 2018, the SCRS investment portfolio totaled \$31.3 billion. This represented an increase of \$1.2 billion from June 30, 2017. Strong investment gains (+\$2.3 bb) were partially offset by net outflows (-\$1.1 bb) for benefit payments. SCRS generated a net return of 7.8%, outperforming the 7.3% return of its Policy Index, as well as its assumed actuarial rate of return of 7.25%. Over longer trailing periods, SCRS is outperforming its Policy Index but trailing its actuarial rate of return. The five year trailing net return for SCRS as of June 30, 2018 was 7.1% vs. a Policy Benchmark return of 6.9%. The ten year trailing net return for SCRS was 5.4% vs. a Policy Benchmark of 4.9%.

The portfolio's asset allocation as of the fiscal year end is listed in the following table. All investments were consistent with the targets and ranges set forth in the Annual Investment Plan and in the Statement of Investment Objectives and Policy.

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Asset Class	% of Total System
Equity	50.7
Global Equity	36.3
Private Equity	7.4
Equity Options	6.9
Conservative Fixed Income	11.0
Cash and Short Duration	0.9
Core Fixed Income	10.1
Diversified Credit	15.9
Mixed Credit	5.1
Private Debt	5.9
Emerging Markets Debt	5.0
Opportunistic	11.8
GAA	8.4
Hedge Funds Non-PA	0.7
Other Opportunistic	2.7
Real Assets	10.5
Public Real Estate	2.6
Private Real Estate	6.0
World Infrastructure	2.0
Total	100.0
Hedge Funds PA	9.5



Frank E. Benham, CFA, CAIA
Director of Research, Managing Principal
Meketa Investment Group

OVERVIEW

PURPOSE & DUTIES

The South Carolina Retirement System Investment Commission (RSIC) is an independent agency of the State responsible for investing the assets held in trust for South Carolina's public pension. There are five defined benefit plans that comprise the public pension. Collectively, the defined benefit plans are referred to as the ("Retirement System") or the ("Systems"). The defined benefit plans are:

- South Carolina Retirement System (SCRS)
- Police Officers Retirement System (PORS)
- Judges and Solicitors Retirement System (JSRS)
- General Assembly Retirement System (GARS)
- South Carolina National Guard Retirement System Plan (SCNG Plan)

The assets of the Retirement System are invested in conformity with the requirements of South Carolina law. The law requires the RSIC to make investment decisions and conduct every aspect of its operations in the best financial interest of the trust.

The RSIC's long-term goal is to provide cost-effective management of the funds held in trust. This is achieved through a highly diversified portfolio designed to achieve an optimum investment return balanced with a prudent level of portfolio risk. The RSIC's investments are managed by its own professional staff and outside management firms.

The RSIC is governed by eight commissioners; six appointed members, one elected member, and one ex officio non-voting member. As of Fiscal Year End (FYE) 2018, members of the RSIC Commission ("Commission") are: Rebecca M. Gunnlaugsson, Ph.D., Chair; Ronald P. Wilder, Ph.D., Vice Chair; Edward Giobbe, MBA; Reynolds Williams, J.D., CFP; Allen R. Gillespie, CFA; William (Bill) Condon, J.D., M.A., CPA; William (Bill) Hancock CPA.; and Peggy G. Boykin, CPA.

HISTORY

The RSIC was created under the State Retirement System Preservation and Investment Reform Act (Act 153). In October 2005, the Commission was established and devolved fiduciary responsibility for all investments of the Retirement System upon the RSIC. Act 153 also mandated that equity investments cannot exceed 70% (formerly 40%) of the Total Plan Portfolio (Portfolio) and created the position of Chief Investment Officer.

The assets of the Retirement System had historically been invested only in fixed income investments until a constitutional amendment was ratified in 1997. The amendment allowed the RSIC to invest in "equity securities of a corporation within the United States that is registered on a national securities exchange as provided in the Securities Exchange Act, 1934, or a successor act, or quoted through the National Association of Securities Dealers Automatic Quotation System, or a similar service" (SC Constitution Article X, §16). The Retirement System began investing in equities in June 1999, although full diversification of the Portfolio remained constrained by the State Constitution. In November 2006, a constitutional amendment allowing for full diversification of the Retirement System's Portfolio was approved in a statewide referendum and subsequently ratified by the Legislature in February 2007.

The Retirement Funding and Administration Act of 2017 expands the Commission to 8 members and allows for delegation to the CIO under the direct oversight of the CEO the authority to invest up to 2% of the assets of each investment. It also prohibits the use of placement agents, defines the custodian of the retirement system as PEBA and assigns the choice of the custodial bank to RSIC.

DISCLOSURE OF MATERIAL INTEREST

As of June 30, 2018, there was no material interest noted by the Commission or an employee who is a fiduciary with respect to investment and management of assets of the Retirement System, or by a related person, in a material transaction with the Retirement System within the last three years nor in any proposed material transaction of the Retirement System.

PLACEMENT AGENT

All investments approved and closed during FYE 2018 follow the RSIC's Placement Agent Policy ("Policy"). The Policy requires representation by the investment manager that no compensation was paid to a placement agent (as defined by State law) as a result of an investment by the Retirement System. During FYE 2018, all Policy-required disclosures by new investment managers indicated that no compensation was paid to a placement agent in connection with the RSIC's investment.

COMMISSION



**REBECCA
GUNNLAUGSSON**

Ph. D., Chair
Appointed by the Comptroller General

Dr. Rebecca Gunnlaugsson is an economist specializing in public finance and labor economics with proficiency in statistical data analysis and econometric modeling. She has extensive experience in business consulting concentrating on strategic planning, project management, and firm-wide technology implementation.

Dr. Gunnlaugsson has served as the Director of the Division of Research and subsequently Chief Economist at the South Carolina Department of Commerce. In these roles, she directed federally funded Department of Labor programs responsible for the development of state and local occupation growth projections, industry cluster analysis, and workforce program evaluation. Additionally, she led research teams conducting economic and fiscal impact analyses of economic issues impacting South Carolina, including state, local, public, and private infrastructure and development projects. She has done extensive research on taxation and optimization for long-term economic growth, having testified before the 2010 South Carolina Tax Realignment Commission (TRAC) and the 2017 South Carolina House Tax Policy Review Committee, as well as having served on the 2016 Governor’s Local Government Competitiveness Council.

Her experience also includes serving as a senior technology consultant for Accenture where she was involved in firm-wide business and technology implementations for clients that included state governments, state universities, hospitals, and large national corporations. Dr. Gunnlaugsson is currently a principal at Acuitas Economics, where she specializes in statistical analysis and econometric modeling to develop interactive, visual methods to deliver data-driven insights and recommended policy solutions.

Dr. Gunnlaugsson received her Bachelor’s and Master’s Degrees in Mechanical Engineering from the Massachusetts Institute of Technology and her Ph.D. in Economics from the University of Michigan.



RONALD WILDER

Ph. D., Vice Chair
*Retiree Representative
Elected by the Commission*

Dr. Ronald Wilder is a Distinguished Professor Emeritus of Economics at the Darla Moore School of Business, University of South Carolina, where he conducted research and taught courses in microeconomics, managerial economics, industrial organization, government and business, and health economics.

He earned a B.A. and M.A. in Economics at Rice University, and a Ph.D. in Economics at Vanderbilt University.



REYNOLDS WILLIAMS

J.D., CFP, Commissioner
*Appointed by the Chairman of
Senate Finance*

Mr. Reynolds Williams is a native of Mullins, South Carolina.

For his service in Vietnam he was awarded the Bronze Star and the Combat Infantry Badge.

Mr. Williams graduated cum laude from the Baylor School for Boys in Chattanooga, Tennessee, was an Echols Scholar at the University of Virginia, and earned his Juris Doctor from the University of South Carolina.

Mr. Williams is a recipient of the American Jurisprudence Award in Contract Law and was admitted into all state and federal courts in South Carolina, the United States Court of Appeals for the Fourth Circuit, and the U.S. Supreme Court.

He has served as chairman of several arbitration panels of the National Association of Securities Dealers, the American Arbitration Association, Florence County

Election Commission, the Duke Private Adjudication Center, Board Chairman of Florence National Bank, and Greater Florence Chamber of Commerce.

He has also served as President of the Florence Rotary Club; on the school board at All Saints; Board of Directors of Community Bankshares; and the Board of Directors of Florence County Progress.

Mr. Williams was a Faculty Seminar Participant at the 1991 U.S. Army War College. He also served as Director of IRIX Pharmaceuticals.

Mr. Williams was the President of the S.C. Chapter of the Federalist Society and is a member of the Defense Research Institute, American Board of Trial Advocates, and South Carolina Defense Trial Attorneys Association.

He has served as Vice-Chairman of the State Board for Technical and Comprehensive Education.

Mr. Williams is recognized in the following books: *Leading Lawyers in America*, *Super Lawyers*, and *The Best Lawyers in America*. In 1999, Governor Beasley awarded Mr. Williams the Order of the Palmetto, South Carolina's highest honor, for his public service, civic responsibility, and friendship to the State. In 2001, he was named Business Person of the Year by the Greater Florence Chamber of Commerce.

The University of South Carolina School of Law recognized Williams as a *Compleat Lawyer*, for his 30+ years of "exemplary service" to the bar and the public.

A former Certified Financial Planner (CFP®), Mr. Williams was recognized in a Concurrent Resolution of the S.C. House and Senate for his leadership during the RSIC's formative years.



ALLEN GILLESPIE

CFA, Commissioner

Appointed by the Chairman of House Ways & Means

Mr. Allen Gillespie, a native of Anderson, South Carolina, is the chief investment officer for FinTrust Capital Advisors. He has been in the investment industry since 1995, specializing in asset allocation research, manager due diligence, individual security analysis, and custom client portfolio management.

He graduated cum laude from Washington & Lee University, earning a bachelor's in Economics. He is also a member of the Omicron Delta Epsilon, Economics Honor Society.

Mr. Gillespie has been recognized as Institutional Investor's 25 Rising Starts of Hedge Funds, a Liberty Fellow, and is an accomplished writer in several financial journals.

He has served as a CFA Institute Research Challenge Mentor to Wofford College and University of Alabama.

Mr. Gillespie holds FINRA Series 4, 7, 24, 53, 63, 65, 86, and 87 licenses.

He serves his community as the Chair of the Endowment Board for Meals on Wheels of Greenville and is a member of the GAMAC Endowment Board.



EDWARD GIOBBE

MBA, Commissioner

Appointed by the Governor

Mr. Edward Giobbe is a resident of Aiken, South Carolina. He has 37 years of experience in financial services and a diverse background that includes equities and fixed income in the areas of trading, sales, and investment banking.

He was a principal in the Fixed Income Division of Morgan Stanley Inc., in New York from 1978 until his retirement in 1995. Mr. Giobbe served as a member of the City of Aiken Planning Commission and remains active in community affairs.

While working at Morgan Stanley, Mr. Giobbe primarily worked with institutional sales specializing in major financial institutions such as bank trust departments, money managers, mutual funds, insurance companies, and pension funds.

Mr. Giobbe is a retired Captain in the United States Army Reserve, completing active duty in the United States and in Japan.

He earned a Bachelor's degree from Yale University and MBA from the New York University Graduate School of Business Administration.



WILLIAM J. (BILL) CONDON

**J.D., M.A., CPA,
Commissioner**

Appointed by the Governor

Mr. William J. Condon, Jr. (Bill) is a Certified Public Accountant (CPA) and an attorney. After graduating from Clemson University with a B.S. in Accounting, he began his accounting career with Ernst & Young and in short order became a CPA. At the accounting firm, he held positions in the audit and tax departments, serving as an Audit Manager during the last three years of his tenure at E&Y. He managed the audits of clients in various industries including audits of companies in the financial services industry.

His experience also includes having served as Chief Financial Officer for a government agency. In this role, he oversaw the banking and investment activities as well as the Accounting, Human Resources, and Information Technology activities at the agency. Eventually, Mr. Condon transitioned from the public sector back to the private sector, serving as a Senior Consultant for a Silicon Valley-based software development company that serviced clients throughout North America.

Mr. Condon began his legal career as a trial attorney for the United States Department of Justice litigating civil rights cases. Looking to blend his accounting and finance

experience with his legal skills, he later served as a securities-enforcement attorney for the South Carolina Attorney General's Office, as a securities-compliance and litigation attorney in private practice, and as a tax attorney litigating significant tax cases for the South Carolina Department of Revenue.

Today, Mr. Condon is an attorney for the South Carolina State Treasurer's Office where he has served both as Deputy General Counsel and the General Counsel and has worked with many large financial institutions on custody, securities lending, Section 529 college savings program, and other banking and investment matters.

Mr. Condon earned his Juris Doctor and Master in Public Policy degrees from Regent University.



WILLIAM H. (BILL) HANCOCK

CPA, Commissioner

Appointed by the State Treasurer

Mr. William H. (Bill) Hancock, CPA brings more than 25 years of experience in financial and accounting services. He is a Certified Public Accountant and the managing partner of the Brittingham Group, LLC located in West Columbia, South Carolina.

He joined the Brittingham Group as a staff accountant in 1992 and was elected managing partner in 2013. For over 10 years he was responsible for the Firm's investment advisory and financial planning practice before successfully selling it, requiring him to surrender his Series 7 and 66 securities and South Carolina insurance licenses. Today, he continues to provide income tax planning and preparation services for individuals and business as well as providing audit/attest services for municipalities, non-profits, special purpose districts, and various political subdivisions.

As an active member of the community, Mr. Hancock is an Elder at Forest Lake Presbyterian Church, has served as the Chair of the Finance Committee, serves on the Endowment Committee, and is on several ad hoc committees for the church. He also serves on the board of Directors and the Finance Committee for Presbyterian Communities of South Carolina (PCSC). PCSC has six Life Plan Communities across South Carolina and is a compassionate Christian ministry dedicated to enriching the quality of life for seniors of all faiths.

For over 20 years, he was a member of the Columbia East Rotary Club serving as Club Treasurer for most of that time. In 2012, he was appointed by South Carolina Governor Nikki Haley to be a Commissioner for the East Richland County Public Service District before resigning to serve as a Commissioner for the RSIC.

A proud graduate of the Citadel, Mr. Hancock graduated in 1990 with a Bachelor of Science degree in Business Administration with a concentration in Accounting. He also studied at the University of South Carolina's Moore School of Business.

Mr. Hancock resides in Columbia, South Carolina with his wife, Lori, a high school English teacher, and their two daughters. In his spare time Mr. Hancock enjoys hunting and playing golf.

A native of Wagener, S.C., Mrs. Boykin earned a bachelor's degree in business administration from the College of Charleston in 1981 and her certified public account (CPA) accreditation in 1985. Also, she is a graduate of the Budget and Control Board's Executive Institute and the Governor's Center at Duke University. Mrs. Boykin received her certified retirement administrator designation in 1999.

Mrs. Boykin is an active member of the American Institute of Certified Public Accountants, the National Council on Teacher Retirement, the National Association of State Retirement Administrators, and the National Association of Government Defined Contribution Administrators.

¹As a result of Act No. 278 of 2012, the Executive Director of the Public Employee Benefits Authority.



PEGGY G. BOYKIN

CPA, Commissioner

Ex officio member¹

Mrs. Peggy G. Boykin, CPA, is the Executive Director of the South Carolina Public Employee Benefit Authority (PEBA). Previously, she was the director of the South Carolina Retirement Systems and a member of PEBA's Board of Directors. Mrs. Boykin has also served as Director of Special Projects at the College of Charleston.



POLICY ALLOCATION

POLICY

The Commission manages the Systems' assets with a long-term horizon and seeks to earn an appropriate risk-adjusted return with consideration to the goals and circumstances of the Systems and in the exclusive interest of the members and beneficiaries. Among the decisions the Commission can make, asset allocation has the most significant impact on the portfolio's return, risk profile and cost, and is reviewed annually as part of the development of the Annual Investment Plan (AIP).

Based on the Commission's determination of the appropriate risk tolerance for the Portfolio and its long-term return expectations, it has authorized the following Policy Asset Allocation. This includes target allocations and ranges for each asset class that were adopted by the Commission for the 2017-2018 Fiscal Year.

POLICY ALLOCATION

JULY 1, 2017 - JUNE 30, 2018

Asset Allocation	Policy Targets			Policy Benchmark
	FY17-18 (a)	FY 17-18 (b)	Ranges ³	
Global Equity	47.0%	47.0%	42% - 52%	
Global Public Equity ¹	33.0%	33.0%	20% - 36%	MSCI All-Country World Investable Markets Index (net of dividends)
Private Equity ²	9.0%	9.0%	6% - 14%	80% Russell 3000 Index / 20% MSCI EAFE (net of dividends) blend + 300 bps on a 3-month lag
Equity Options Strategies	5.0%	5.0%	0% - 6%	CBOE S&P Buy Write Index (BXM)
Conservative Fixed Income	12.0%	13.0%	10% - 16%	
Cash & Short Duration	2.0%	3.0%	0% - 7%	ICE BofA Merrill Lynch 3-Month US Treasury Bill Index
Core Fixed Income ¹	10.0%	10.0%	5% - 15%	Bloomberg Barclays US Aggregate Bond Index
Diversified Credit	18.0%	18.0%	15% - 21%	
Mixed Credit ¹	6.0%	6.0%	2% - 8%	50% Bloomberg Barclays US Corp High Yield 2% Issuer Cap Bond Index / 50% S&P LSTA Leveraged Loan Index blend
Private Debt ²	7.0%	7.0%	4% - 12%	S&P LSTA Leveraged Loan Index + 150 bps on a 3-month lag
Emerging Markets Debt	5.0%	5.0%	3% - 7%	50% JP Morgan EMBI Global Diversified (US Dollar) / 50% JP Morgan GBI-EM Global Diversified (Local) blend
Opportunistic	13.0%	12.0%	9% - 19%	
GTA	8.0%	7.0%	3% - 12%	50% MSCI World Index (net of dividends) / 50% Bloomberg Barclays US Aggregate Bond Index blend
Hedge Funds (non-PA) ¹	2.0%	2.0%	0% - 8%	50% MSCI World Index (net of dividends) / 50% Bloomberg Barclays US Aggregate Bond Index blend
Other Opportunistic Strategies	3.0%	3.0%	0% - 5%	50% MSCI World Index (net of dividends) / 50% Bloomberg Barclays US Aggregate Bond Index blend
Real Assets	10.0%	10.0%	8% - 14%	
Real Estate (REITs)	2.0%	2.0%	0% - 3%	FTSE NAREIT Equity REITs Index
Real Estate (Private) ²	6.0%	6.0%	4% - 12%	NCREIF ODCE Index + 75 bps
World Infrastructure	2.0%	2.0%	0% - 5%	Dow Jones Brookfield Global Infrastructure Net Index
Total Plan	100.0%	100.0%		
Starting Date	7/1/2017	12/1/2017	4/12/2018	
Ending Date	11/30/2017	6/30/2018	6/30/2018	

¹Hedge funds within these asset classes will be included in the 20% limit for hedge funds at the Portfolio level.

²The target weights to Private Equity, Private Debt and Real Estate will be equal to their actual weights, reported by the custodial bank, as of the prior month end. In the case of Private Equity, the use of the actual weight will affect the target allocation to Global Equity. For example, in FY 17-18, the combined target weight of both of these asset classes shall equal 42% of the Plan. For Private Debt, the use of the actual weight will affect the target allocation to Mixed Credit, such that the combined target weight of both asset classes in FY 17-18 shall equal 13% of the Plan. For private market Real Estate, the use of the actual weight will affect the target allocation to public market Real Estate (REITs), such that the combined target weight of both asset classes in FY 17-18 shall equal 8% of the Plan.

³As amended and adopted by the commission during the April 12, 2018 meeting.

MANAGER RETURNS (NET OF FEES)

Schedule of Investments	Market Value	% of Fund	1 Year Ending	3 Year Ending	5 Year Ending	10 Year Ending
South Carolina Plan Return (Net of Fees)¹	\$31,306,134,556	100.0%	7.82%	6.31%	7.07%	5.40%
<i>South Carolina Policy Benchmark²</i>			7.28%	6.54%	6.94%	4.87%
Conservative Fixed Income	\$3,170,597,748	10.1%	0.61%	1.48%	1.47%	3.04%
Total Cash	\$1,188,566,718	3.8%	0.56%	-0.06%	-0.16%	0.06%
Internal Cash	851,094,229	2.7%	1.65%	1.00%	0.79%	0.62%
Strategic Partnership Cash	337,472,489	1.1%	-2.71%	-2.26%	-1.83%	-0.92%
<i>ICE BofA Merrill Lynch 3-Month T-Bill</i>			1.36%	0.68%	0.42%	0.35%
Short Duration	\$1,158,555,850	3.7%	0.87%	1.45%	1.43%	n/a
SCRS Short Duration	821,500,742	2.6%	0.32%	0.69%	0.81%	n/a
Penn Ltd Term HY	150,993,889	0.5%	1.26%	2.53%	2.93%	n/a
Apollo - Short Dura	186,061,219	0.6%	2.59%	2.70%	2.35%	n/a
<i>Bloomberg Barclays U.S. Government/Credit 1-3 Year Index</i>			0.21%	0.71%	0.84%	n/a
Core Fixed Income	\$823,475,180	2.6%	0.20%	2.44%	2.67%	4.16%
Loomis - Securitized	100,811,752	0.3%	0.87%	n/a	n/a	n/a
Loomis IG Corp Credit	1,514,761	0.0%	-1.44%	n/a	n/a	n/a
Pimco Fixed Income	689,342,077	2.2%	0.23%	2.25%	2.42%	n/a
SCRS Fixed Inc.	31,806,590	0.1%	3.25%	3.84%	3.55%	3.69%
<i>Bloomberg Barclays US Aggregate Bond Index</i>			-0.40%	1.72%	2.27%	3.72%
Total Diversified Credit	\$4,986,806,398	15.9%	3.27%	4.53%	4.64%	5.88%
Mixed Credit	\$1,587,568,451	5.1%	4.58%	4.00%	3.95%	6.68%
Barings High Yield	149,405,275	0.5%	2.19%	n/a	n/a	n/a
Caspian SC Hldgs LP	221,617,813	0.7%	4.32%	3.61%	3.57%	n/a
Golden Tree Structured Credit	424,558,132	1.4%	7.22%	n/a	n/a	n/a
Guggenheim Partners	433,045,987	1.4%	4.67%	6.31%	n/a	n/a
Pinebridge Bank Loan	358,941,244	1.1%	3.97%	4.19%	n/a	n/a
<i>Mixed Credit Benchmark⁴</i>			3.49%	5.25%	4.84%	6.21%
Emerging Markets Debt	\$1,551,525,650	5.0%	-2.56%	4.42%	2.33%	n/a
Ashmore External Debt	301,884,534	1.0%	-2.14%	n/a	n/a	n/a
GMO Emerging Country Debt	338,704,154	1.1%	-2.61%	n/a	n/a	n/a
Goldman Sachs - EMD	236,328,497	0.8%	-2.90%	3.44%	1.49%	n/a
Mondrian EMD	236,165,476	0.8%	-1.22%	2.67%	-0.45%	n/a
Russell EMD Tran Loc	16	0.0%	n/a	n/a	n/a	n/a
Wellington Emerging Local Debt	438,442,974	1.4%	-3.32%	n/a	n/a	n/a
<i>50% JPM EMBI USD / 50% JPM GBIEM Local</i>			-1.90%	3.37%	1.89%	n/a
Private Debt	\$1,847,712,297	5.9%	7.58%	5.34%	7.12%	7.37%
Angelo Gordon VI	101,957	0.0%	-12.91%	-5.48%	-1.21%	2.41%
Apollo - Private Debt	292,425,117	0.9%	7.77%	14.03%	17.37%	n/a
Ares Jasper Fund	208,483,881	0.7%	n/a	n/a	n/a	n/a
Avenue Europe II	13,880,773	0.0%	3.07%	5.56%	7.38%	n/a
Avenue SSF VI	8,994,021	0.0%	10.60%	-9.14%	-2.93%	n/a
Crescent Mezz VI	49,166,570	0.2%	8.13%	8.25%	n/a	n/a
Crescent Mezz V	6,620,523	0.0%	9.69%	7.37%	n/a	n/a
De Shaw Direct Cap	8,389,152	0.0%	-15.82%	-4.76%	-6.14%	n/a
EIG Gateway Fund	12,640,000	0.0%	-3.42%	-4.43%	n/a	n/a
Goldman Sachs Mezz V	1,471,843	0.0%	-7.23%	-1.83%	3.59%	7.86%
Goldman Sachs - Private Debt	94,050,148	0.3%	9.35%	10.17%	9.24%	n/a
Golub Capital	39,466,467	0.1%	8.51%	6.35%	n/a	n/a
GSO - Private Debt	597,130,260	1.9%	6.55%	2.49%	6.55%	n/a
Highbridge Sandlapper Credit	107,119,638	0.3%	7.58%	n/a	n/a	n/a
KKR Lending Partners II	73,662,221	0.2%	5.79%	11.16%	n/a	n/a
KKR SSF II	85,045,791	0.3%	9.84%	n/a	n/a	n/a
Morgan Stanley - Private Debt	6,188,227	0.0%	10.82%	2.32%	2.40%	n/a
Northstar Mezz V	17,025,590	0.1%	10.56%	12.33%	12.64%	7.92%
Owl Rock Capital	68,720,350	0.2%	n/a	n/a	n/a	n/a
Sankaty COP IV	30,045,955	0.1%	74.70%	21.98%	13.54%	n/a
Sankaty COP V	38,336,570	0.1%	17.28%	6.26%	5.50%	n/a
Selene II	63,162,385	0.2%	3.39%	5.98%	5.71%	n/a
SJC Direct Lend II	16,374,764	0.1%	7.62%	7.73%	8.61%	n/a
WL Ross - Whole Loans	9,210,094	0.0%	-0.50%	-1.86%	8.58%	n/a
<i>S&P/LSTA Leveraged Loan + 150 Bps on a 3-month lag</i>			5.93%	5.71%	5.40%	n/a

RETIREMENT SYSTEM INVESTMENT COMMISSION

Schedule of Investments	Market Value	% of Fund	1 Year Ending	3 Year Ending	5 Year Ending	10 Year Ending
Total Global Equity	\$12,781,831,988	40.8%	10.86%	8.30%	9.81%	6.82%
Global Public Equity	\$8,685,806,008	27.7%	10.59%	8.17%	9.09%	6.56%
Equity Options	\$1,765,736,268	5.6%	6.85%	n/a	n/a	n/a
AQR AERO Composite	822,531,955	2.6%	7.49%	n/a	n/a	n/a
Russell Options	943,204,313	3.0%	6.25%	n/a	n/a	n/a
<i>CBOE S&P 500 BuyWrite Index (BXM)</i>			7.28%	7.73%	8.14%	5.71%
Total Global Equity Managers	\$4,959,087,416	15.8%	12.31%	8.92%	n/a	n/a
AQR Global Enhanced	917,939,555	2.9%	10.48%	8.12%	n/a	n/a
BlackRock Global Equity	1,070,290,704	3.4%	11.56%	8.79%	n/a	n/a
De Shaw World Enhanced Plus	940,575,128	3.0%	13.39%	n/a	n/a	n/a
Intech Global EQ SMA	906,788,776	2.9%	15.47%	9.19%	n/a	n/a
Russell Global Equity Trans	118,385	0.0%	-72.94%	-34.06%	n/a	n/a
State Street Gbl Eq	1,123,374,868	3.6%	11.55%	9.00%	n/a	n/a
<i>MSCI World Net Index</i>			11.09%	8.48%	n/a	n/a
Total U.S. Equity	\$990,778,053	3.2%	14.15%	8.92%	11.72%	9.98%
Integrity	381,785,631	1.2%	13.48%	9.80%	11.78%	12.58%
Pyramis Global Advisors	389,838,308	1.2%	16.75%	10.19%	13.38%	12.39%
Times Square Cap Mgmt	219,154,114	0.7%	17.27%	7.90%	10.96%	11.65%
<i>US Equity Benchmark</i> ⁵			14.29%	11.31%	12.88%	9.51%
Total International Equity	\$1,057,153,287	3.4%	9.16%	6.86%	6.04%	n/a
Algert GI International	201,678,512	0.6%	7.73%	n/a	n/a	n/a
Johnston Fund	32,600	0.0%	-0.61%	1.10%	3.59%	n/a
LPE Earnest Partners	475,361,320	1.5%	6.71%	6.16%	5.63%	n/a
Man Numeric SM	211,267,316	0.7%	14.66%	n/a	n/a	n/a
Russell International Small Cap Transiti	168,813,539	0.5%	12.26%	n/a	n/a	n/a
<i>Developed International Equity Benchmark</i> ⁶			7.65%	5.28%	6.67%	n/a
Total Emerging Markets Equity	\$1,678,787,252	5.4%	5.43%	5.38%	4.92%	n/a
Aberdeen	270,185,400	0.9%	-2.44%	3.68%	2.25%	n/a
LSV Asset Mgmt	564,668,643	1.8%	1.92%	3.79%	4.15%	n/a
Schroders	466,462,375	1.5%	9.66%	7.62%	6.17%	n/a
William Blair	377,470,834	1.2%	12.06%	6.08%	6.70%	n/a
<i>Emerging Markets Equity Benchmark</i> ⁷			7.90%	5.24%	4.80%	n/a
<i>Global Public Equity Benchmark</i> ⁸			11.14%	8.39%	9.54%	5.86%
Private Equity	\$2,330,289,712	7.4%	14.91%	10.94%	12.76%	9.70%
Advent Intl GPE VII	48,155,776	0.2%	29.14%	19.83%	22.63%	n/a
Apax Europe VIII	78,525,261	0.3%	23.25%	14.86%	15.09%	n/a
Apax Partners Europe VII	8,479,218	0.0%	-5.87%	0.60%	4.74%	1.59%
Apollo - Private Equity	482,797,392	1.5%	7.45%	6.38%	10.35%	n/a
Apollo Athora	13,777,680	0.0%	n/a	n/a	n/a	n/a
Aquiline Financial I	46,001,654	0.1%	5.40%	8.79%	9.87%	9.95%
Aquiline Capital II	85,465,382	0.3%	7.43%	3.93%	8.96%	n/a
Azalea Capital III	4,085,768	0.0%	-40.35%	-24.49%	-15.45%	n/a
Azalea Fund IV	8,594,428	0.0%	9.37%	-1.67%	n/a	n/a
BC European Cap IX	25,873,955	0.1%	4.31%	18.69%	9.65%	n/a
Bridgepoint Europe IV	36,952,076	0.1%	19.27%	20.43%	15.64%	n/a
Bridgepoint Europe V	61,869,529	0.2%	11.85%	n/a	n/a	n/a
Brookfield Capital IV	118,456,636	0.4%	169.23%	n/a	n/a	n/a
Carousel Cap Part IV	28,555,017	0.1%	112.68%	65.00%	47.96%	n/a
Carousel Capital III	56,300	0.0%	0.00%	33.40%	27.57%	29.44%
Clayton Dubilier	20,457,735	0.1%	2.26%	31.28%	36.05%	n/a
Crestview II	71,128,714	0.2%	6.21%	17.65%	15.74%	n/a
Crestview III	31,087,914	0.1%	15.03%	4.04%	n/a	n/a
Digital Colony I	(395,922)	0.0%	n/a	n/a	n/a	n/a
Francisco Partners V	7,000,000	0.0%	n/a	n/a	n/a	n/a
Green Equity VI	37,170,696	0.1%	20.70%	15.10%	13.15%	n/a
Goldman Sachs - Private Equity	28,207,780	0.1%	45.04%	22.27%	17.67%	n/a
Industry Ventures V	29,803,819	0.1%	-0.62%	1.24%	33.27%	n/a
Industry Ventures VI	18,670,661	0.1%	-10.63%	-1.86%	0.90%	n/a
Industry Ventures VII	35,474,599	0.1%	10.17%	8.85%	n/a	n/a
Lexington Partners II	21,355,879	0.1%	27.41%	19.41%	16.96%	n/a

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Schedule of Investments	Market Value	% of Fund	1 Year Ending	3 Year Ending	5 Year Ending	10 Year Ending
Lexington Partners VII	33,015,189	0.1%	13.71%	9.41%	11.77%	n/a
Morgan Stanley - Private Equity	181,702,493	0.6%	-1.53%	-4.15%	1.92%	0.95%
Neuberger Berman	7,457,076	0.0%	-1.72%	1.32%	5.29%	11.62%
Oaktree EOF III	35,623,171	0.1%	13.38%	13.05%	11.66%	n/a
Pantheon Europe V	18,371,627	0.1%	9.87%	14.99%	13.49%	5.09%
Pantheon USA VII	63,762,430	0.2%	14.07%	10.71%	14.02%	9.26%
Paul Capital IX	27,663,762	0.1%	15.08%	1.70%	1.49%	2.83%
Pacific Equity Partners V	39,740,147	0.1%	18.78%	n/a	n/a	n/a
Reservoir Capital	49,167,163	0.2%	18.20%	14.20%	12.71%	n/a
Square 1 Venture 1	22,493,718	0.1%	-4.35%	-3.08%	7.80%	9.96%
Truebridge I CVE	44,812,483	0.1%	12.82%	9.72%	15.76%	9.35%
Truebridge II Kauff	79,204,554	0.3%	13.50%	10.91%	16.57%	n/a
Venture Investment Managers LP	59,436,699	0.2%	17.37%	12.09%	19.23%	n/a
Warburg Pincus X	45,961,000	0.1%	13.91%	8.02%	11.22%	6.22%
Warburg Pincus XI	46,099,769	0.1%	19.75%	12.23%	15.35%	n/a
Welsh Carson	25,925,015	0.1%	9.28%	9.55%	12.14%	n/a
WL Ross - Private Equity	202,245,470	0.6%	8.06%	4.80%	7.82%	n/a
<i>80% Russell 3000 / 20% MSCI EAFE + 300 Bps on a 3-month lag</i>			17.03%	12.32%	14.75%	n/a
Total Opportunistic	\$3,365,786,801	10.8%	4.03%	2.87%	5.13%	4.76%
Hedge Funds Non-PA	\$233,528,064	0.7%	3.28%	0.76%	2.71%	2.63%
Blackstone SAF II Composite	80,285,840	0.3%	5.06%	1.15%	1.67%	n/a
Grosvenor - Low Beta HF	2,195,774	0.0%	43.84%	16.51%	12.35%	n/a
Grosvenor - Mixed Credit HF	11,770,058	0.0%	0.84%	1.56%	3.85%	n/a
Goldman Sachs - Low Beta HF	5,818,237	0.0%	39.58%	12.74%	11.56%	n/a
GSO - Mixed Credit HF	43,766,943	0.1%	-1.52%	-3.19%	-0.12%	n/a
Morgan Stanley - Low Beta HF	54,738,850	0.2%	2.09%	-3.21%	2.21%	3.72%
Reservoir Strategic Partners	34,952,362	0.1%	3.37%	-1.44%	0.48%	n/a
<i>Hedge Funds Non-PA Benchmark⁹</i>			5.30%	5.20%	6.18%	5.32%
GTAA	\$2,294,969,650	7.3%	3.28%	3.57%	4.55%	4.34%
Morgan Stanley GTAAN	780,508,800	2.5%	n/a	n/a	n/a	n/a
Pinebridge GTAAN	735,935,250	2.4%	n/a	n/a	n/a	n/a
Standard Life GTAAN	778,525,600	2.5%	n/a	n/a	n/a	n/a
<i>Opportunistic Benchmark¹⁰</i>			5.30%	6.07%	5.75%	4.53%
Other Opportunistic	\$837,289,086	2.7%	8.48%	n/a	n/a	n/a
Bridgewater All Weather	628,056,127	2.0%	7.60%	4.49%	5.24%	4.92%
Entrust - Other Opportunistic	169,904,299	0.5%	16.42%	9.31%	n/a	n/a
WLR - Other Opportunistic	39,328,660	0.1%	n/a	n/a	n/a	n/a
<i>Opportunistic Benchmark¹⁰</i>			5.30%	6.07%	5.75%	4.53%
Hedge Funds Portable Alpha	\$2,965,633,408	9.5%	7.75%	3.69%	7.20%	7.00%
Hedge Funds Portable Alpha	\$2,965,633,408	9.5%	7.75%	3.69%	7.20%	7.00%
Bridgewater PA II	472,097,848	1.5%	10.95%	2.02%	5.48%	6.52%
Bridgewater PAMM II	116,988,100	0.4%	4.89%	2.69%	7.48%	n/a
De Shaw - Low Beta HF	568,884,209	1.8%	11.08%	9.41%	11.21%	8.58%
Lighthouse - Low Beta HF	1,282,828,995	4.1%	6.45%	2.75%	6.48%	n/a
Man Alt Beta Strategies	213,956,270	0.7%	n/a	n/a	n/a	n/a
Wellington Alt Beta	310,877,985	1.0%	n/a	n/a	n/a	n/a
<i>ICE LIBOR USD 3 Month Index</i>			1.72%	1.06%	0.73%	0.71%
Total Real Assets	\$3,294,072,091	10.5%	8.72%	9.47%	13.37%	6.19%
Infrastructure	\$614,468,290	2.0%	2.35%	n/a	n/a	n/a
Deutsche Infrastructure	614,468,290	2.0%	2.35%	n/a	n/a	n/a
<i>Dow Jones Brookfield Global Infrastructure Net Index</i>			2.48%	n/a	n/a	n/a
Public Real Estate	\$800,940,416	2.6%	6.75%	n/a	n/a	n/a
Centersquare US REITS	800,940,416	2.6%	6.75%	n/a	n/a	n/a
<i>FTSE Nareit Equity REITS Index</i>			3.50%	n/a	n/a	n/a
Private Real Estate	\$1,878,663,385	6.0%	11.39%	10.84%	14.31%	7.15%
Congaree Partners, LP	28,805,009	0.1%	-8.17%	-3.14%	-1.14%	n/a
Apollo - Real Estate	39,935,624	0.1%	5.98%	12.35%	15.61%	n/a
Blackstone Rep VII	115,605,181	0.4%	18.79%	10.75%	16.55%	n/a
Blackstone Property Prts LP	372,154,096	1.2%	8.60%	n/a	n/a	n/a
Brookfield REF III	171,146	0.0%	-92.04%	-56.31%	-36.94%	n/a

RETIREMENT SYSTEM INVESTMENT COMMISSION

Schedule of Investments	Market Value	% of Fund	1 Year Ending	3 Year Ending	5 Year Ending	10 Year Ending
Brookfield REF IV	13,731,983	0.0%	9.04%	9.60%	n/a	n/a
Brookfield REF V	22,437,017	0.1%	n/a	n/a	n/a	n/a
Brookfield SREP LP	78,592,238	0.3%	39.27%	26.46%	n/a	n/a
Brookfield SREP II-B LP	56,875,000	0.2%	13.59%	n/a	n/a	n/a
Carlyle Realty Partners VI	18,137,882	0.1%	1.66%	11.04%	15.98%	n/a
Crow HRP VII	79,394,944	0.3%	16.36%	n/a	n/a	n/a
Greystar Eq Part IX	96,101,115	0.3%	5.83%	n/a	n/a	n/a
Goldman Sachs - Real Estate	621,272	0.0%	-16.66%	2.52%	68.95%	n/a
Heitman Core RE Credit	23,113,926	0.1%	n/a	n/a	n/a	n/a
US REIF Columbia	417,115	0.0%	-76.72%	-44.10%	-26.26%	n/a
Lonestar II	2,881,966	0.0%	-10.63%	11.27%	25.14%	n/a
Morgan Stanley Prime	465,126,763	1.5%	8.39%	n/a	n/a	n/a
Morgan Stanley - Real Estate	62,650,188	0.2%	15.00%	9.99%	11.21%	-0.02%
Oaktree ROF VI	45,526,583	0.1%	10.49%	8.10%	n/a	n/a
Oaktree V	10,588,489	0.0%	14.07%	10.39%	14.20%	n/a
Och-Ziff II	13,824,103	0.0%	44.63%	26.06%	26.13%	n/a
Pembroke PCI II	1	0.0%	n/a	n/a	n/a	n/a
TA Realty FundofOne	132,158,098	0.4%	15.47%	n/a	n/a	n/a
TA Realty X	47,164,815	0.2%	14.38%	12.81%	12.15%	n/a
Torchlight III	656,743	0.0%	4.18%	7.39%	20.87%	n/a
Torchlight IV	45,512,152	0.1%	14.05%	11.35%	11.97%	n/a
Torchlight V	67,816,990	0.2%	13.40%	n/a	n/a	n/a
WL Ross - Real Estate	38,662,945	0.1%	8.98%	5.51%	6.17%	n/a
<i>NCREIF ODCE + 75 Bps</i>			<i>8.82%</i>	<i>10.74%</i>	<i>12.18%</i>	<i>5.86%</i>
Russell Overlay	\$741,406,124	2.4%	33.78%	17.91%	23.80%	-5.89%
Russell Overlay	\$741,406,124	2.4%	33.78%	17.91%	23.80%	-5.89%

¹ Plan returns are from BNYMellon and are time-weighted, total return, net of fees and expenses, and expressed in USD. Periods greater than one year are annualized. Returns generated from synthetic exposure through the Overlay Program are reflected in the Total Plan return but are not included in the asset class segment returns.

² The Policy Benchmark is set annually by the RSIC and has changed over time. The presented returns are a blend of previous policies.

³ Due to the changing nature of asset allocation, some asset classes may not have 10 years of history.

⁴ Mixed Credit Benchmark: 50% Bloomberg Barclays US Corporate High Yield 2% Issuer Capped Bond Index and 50% S&P/LSTA Leveraged Loan Index.

⁵ US Equity Benchmark: MSCI United States Index (net of dividends) through 06/30/2016; MSCI United States Investable Market Index (net of dividends) since.

⁶ Developed International Equity Benchmark: MSCI EAFE Index (net of dividends) through 06/30/2016; MSCI EAFE Investable Market Index (net of dividends) since.

⁷ Emerging Markets Equity Benchmark: MSCI Emerging Markets Index (net of dividends) through 06/30/2016; MSCI Emerging Markets Investable Market Index (net of dividends) since.

⁸ Global Public Equity Benchmark: MSCI All-Country World Index (net of dividends) through 06/30/2016; MSCI All-Country World Investable Market Index (net of dividends) since.

⁹ Non-PA Hedge Funds, GTAA, and Other Opportunistic Benchmarks: 50% MSCI World Index (Net) / 50% Bloomberg Barclays US Aggregate Bond Index.

¹⁰ Opportunistic Benchmark: 50% MSCI World Index (net of dividends), 50% Citigroup World Government Bond Index blend through 06/30/2016; 50% MSCI World Index (net of dividends), 50% Bloomberg Barclays US Aggregate Bond Index blend since.

SECURITIES LENDING

PORTFOLIO STRUCTURE

The Portfolio currently participates in a securities lending program, managed by the BNYMellon ("Securities Lending Program"), whereby securities are loaned for the purpose of generating additional income. BNYMellon is responsible for making loans of securities to various broker-dealers and collecting cash and non-cash collateral. If the collateral value falls below a predetermined level, the borrower must post additional collateral. The cash collateral is invested in short duration securities and monitored on an ongoing basis. In conjunction with generating revenue, the collateral pool seeks to maintain a net asset value (NAV) of \$1.00, which is determined by dividing the market value of the assets by the cost of those assets.

PORTFOLIO DEVELOPMENTS

During the fiscal year, the RSIC modified the investment guidelines in the Securities Lending Program. The Securities Lending Program continues to employ very conservative guidelines on both the lending and reinvestment transaction. The reinvestment of the cash collateral is restricted to short duration, very low risk securities. The gross securities lending revenue for the fiscal year was \$2.0 million, an increase from \$773 thousand in the prior year. Since November 2008, gains and losses from the Program have been excluded from the Total Plan performance calculations.

On June 30, 2018, the NAV of the collateral pool was \$0.42. The market value of the collateral pool was \$34.5 million, with an amortized cost of approximately \$81.5 million.

SECURITIES LENDING STATISTICS

Asset Class	Average Lendable Securities (MV)	Average Utilization (MV)	Average Utilization	Average Lending Spread*
U.S. Agency Debt	\$ 58,599	\$ -	-	-
U.S. Corporate Bonds	975,039	15,817	1.62%	0.41%
U.S. Equities	3,108,730	694,730	22.35%	0.17%
U.S. Mortgage Backed Securities	129,012	-	-	-
U.S. Treasuries	156,971	90,879	57.90%	0.31%
Non - U.S. Corporate	104,347	-	-	-
Non - U.S. Equity	1,590,164	288,197	18.12%	0.35%
Sovereign	221,664	-	-	-

*Average Lending Spread: The difference between the benchmark Overnight Bank Funding Rate and the Weighted Average Rebate Rate (i.e. the spread reporting the intrinsic value of the security).

Source: BNYMellon

SECURITIES LENDING INCOME

Securities Lending Activities	2014	2015	2016	2017	2018
Securities Lending Income	\$63	\$167	\$188	\$572	\$2,219
Securities Lending Rebate ¹	1,667	1,811	758	201	226
Total Securities Lending Income	1,730	1,978	946	773	2,445

¹ Rebate rates establish the economic "cost" of the lending transaction: positive rebates indicate the borrower pays the lender.

Amounts expressed in thousands and thus, may not add up to totals due to rounding.

EXPENSES

OVERVIEW

For Fiscal Year 2018, total investment and administrative expenses increased by \$57.32 million to \$373.97 million. As a percent of total assets, total expenses increased to 1.19% of Total Plan Assets. Investment management fees and expenses for Fiscal Year 2018 increased by \$56.05 million to \$358.96 million. The primary contributing factor to this increase was improved performance, relative to Fiscal Year 2017, in asset classes that utilize performance fee structures. Bank Fees and Investment Expense, which are associated with custodied accounts and primarily consist of commissions on futures contracts and bank fees, increased by \$0.38 million to \$3.41 million. General administrative expenses increased by \$0.9 million to \$11.6 million.

Brokerage fees are broken out separately as commissions paid to brokers are considered a part of the investment cost basis and, therefore, not reported in investment management expenses.

Investment management fees and expenses generally consists of three categories; investment management fees, performance fees including carried interest allocation, and other investing expenses such as organizational costs in limited partnership structures. Investment management fees are generally a percentage fee based on the assets under management and paid to the manager of the fund for providing the service of investing the assets. Investment management fees are reported net of offsets which have the effect of reducing this total. Performance fees, including carried interest allocation, are a share of the profits from an investment or fund and is paid to the investment manager to create an alignment of interests.

Investment management fees and expenses are either paid by invoice or netted from investment assets. Under Governmental Accounting Standards Board (GASB) accounting guidance, "Investment-related costs should be reported as investment expense if they are separable from (a) investment income and (b) the administrative expense of the pension plan."* The RSIC makes a good faith attempt to disaggregate netted fee amounts that are not necessarily readily separable from investment income. The RSIC collects and aggregates the netted investment fees and checks for reasonableness in order to disclose fees that would not otherwise be disclosed. In order to compare investment expense as reported by the Systems with investment management costs reported by other public pension plans, an understanding of the actual fees and expenses included in any comparative reports is necessary. Additionally, investment plan composition directly influences the fee structure of a plan and adjustments for differences in plan asset allocation is necessary before conclusions can be reached from such comparisons.

SCHEDULE OF INVESTMENT EXPENSES

Investment & Administrative Expenses	2014	2015	2016	2017	2018
Total Plan Assets	\$29,802,411	\$29,189,538	\$27,979,653	\$30,102,107	\$31,306,135
Investment Management Expenses					
Investment Management Fees & Expenses	454,532	348,224	246,930	302,904	358,955
Bank Fees and Investment Expense ¹	2,429	2,233	2,342	3,033	3,414
Administrative Expenses ²	10,308	11,702	10,750	10,705	11,600
Total Investment and Administrative Expenses	\$467,269	\$362,159	\$260,022	\$316,643	\$373,970
Total Expenses as a Percentage of Total Assets	1.57%	1.24%	0.93%	1.05%	1.19%
Brokerage Fees	\$5,246	\$4,431	\$4,261	\$5,521	\$5,338
Brokerage Fees as a Percentage of Total Assets	0.02%	0.02%	0.02%	0.02%	0.02%

¹ Includes miscellaneous investment expenses, commissions on futures, and bank fees but excludes the RSIC administrative costs in the form of transfers to the RSIC in the amount of \$11.85 Million.

² Represents the RSIC's actual expenses which equal transfers to the RSIC less net change in RSIC cash on hand.

INVESTMENT MANAGEMENT FEES AND EXPENSES BY ASSET CLASS

Asset Class	NAV ¹	Fiscal Year Performance ²	Expressed in Dollars (\$)			
			Management Fee ³	Performance Fee ⁶	Other Fees	Total Fees
Cash and Short Duration	\$ 279,953	1.18%	\$1,253	\$ -	\$ 431	\$ 1,684
Core Fixed Income	3,168,532	-1.11%	2,719	-	114	2,834
Mixed Credit	1,587,568	4.58%	7,956	560	2	8,518
Emerging Markets Debt	1,551,526	-2.56%	7,419	-	1,375	8,794
Global Public Equity	11,375,798	10.13%	31,761	-	438	32,198
Equity Options	2,175,666	6.85%	4,676	-	-	4,676
Hedge Funds (Non-PA)	233,528	3.28%	2,363	721	1,038	4,122
Portable Alpha Hedge Funds	-	7.75%	47,925	33,819	8,164	89,909
Private Debt	1,847,712	7.58%	18,260	22,202	9,261	49,723
Private Equity	2,330,290	14.91%	24,182	58,223	10,952	93,357
Public Real Estate	800,940	6.75%	2,199	-	-	2,199
Private Real Estate	1,878,663	11.39%	18,650	21,806	3,473	43,929
GTAA	2,624,201	3.17%	7,376	1,893	1,923	11,191
Other Opportunistic	837,289	9.63%	2,680	-	376	3,056
World Infrastructure	614,468	2.35%	2,766	-	-	2,766
Total	\$ 31,306,135	7.82%	\$182,184	\$ 139,223	\$ 37,548	\$ 358,955

Asset Class	NAV ¹	Fiscal Year Performance ²	Expressed in Percentages (%)			
			Management Fee ^{3,4}	Performance Fee ⁴	Other Fees ^{3,4}	Total Fees ⁴
Cash and Short Duration	\$ 279,953	1.18%	0.45%	0.00%	0.15%	0.60%
Core Fixed Income	3,168,532	-1.11%	0.09%	0.00%	0.00%	0.09%
Mixed Credit	1,587,568	4.58%	0.50%	0.04%	0.00%	0.54%
Emerging Markets Debt	1,551,526	-2.56%	0.48%	0.00%	0.09%	0.57%
Global Public Equity	11,375,798	10.13%	0.28%	0.00%	0.00%	0.28%
Equity Options	2,175,666	6.85%	0.21%	0.00%	0.00%	0.21%
Hedge Funds (Non-PA)	233,528	3.28%	1.01%	0.31%	0.44%	1.77%
Portable Alpha Hedge Funds ⁵	-	7.75%	1.62%	1.14%	0.28%	3.03%
Private Debt	1,847,712	7.58%	0.99%	1.20%	0.50%	2.69%
Private Equity	2,330,290	14.91%	1.04%	2.50%	0.47%	4.01%
Public Real Estate	800,940	6.75%	0.27%	0.00%	0.00%	0.27%
Private Real Estate	1,878,663	11.39%	0.99%	1.16%	0.18%	2.34%
GTAA	2,624,201	3.17%	0.28%	0.07%	0.07%	0.43%
Other Opportunistic	837,289	9.63%	0.32%	0.00%	0.04%	0.37%
World Infrastructure	614,468	2.35%	0.45%	0.00%	0.00%	0.45%
Total	\$ 31,306,135	7.82%	0.58%	0.44%	0.12%	1.15%

¹ Asset Class NAV is net of the Notional Exposure of the Beta Overlay program.

² Plan Returns are time-weighted, total return calculations, net of fees and expenses. All returns are expressed in U.S. Dollars. Returns generated from synthetic exposure through the Beta Overlay Program are reflected in the total Plan return and asset class segment returns.

³ Overlay and top level strategic partnership fees are allocated to asset classes proportionately by NAV.

⁴ Fees expressed as a percentage of the ending Asset Class NAV.

⁵ Fees expressed as a percentage of gross exposure to the Beta Overlay program of \$2,965,633,408.

⁶ Performance Fees include both paid and accrued carried interest.

Amounts expressed in thousands and thus, may not add up to totals due to rounding.

DELEGATION AUTHORITY

INVESTMENT AUTHORITY DELEGATION

Pursuant to Section 9-16-330(B) of the 1976 South Carolina Code of Laws, the Commission delegates to the Chief Investment Officer the final authority to invest subject to the oversight of the Chief Executive Officer and the requirements and limitations of the Investment Authority Delegation Policy. Investment Authority Delegation allows the RSIC to make investments without requiring prior approval of the Commission provided the investment process adheres to the RSIC's Due Diligence Guidelines and Policies. The investment process for any investment made pursuant to this policy must be substantially similar to the investment process employed prior to the adoption of this policy except for the requirement that the Commission approve the investment prior to the closing the investment. The size of an individual investment made pursuant to the policy is subject to specific limitations provided for the asset class applicable to the investment.

An investment can be made pursuant to this policy if it meets the following criteria:

- a) The investment is not the initial investment in a new asset class; and
- b) The majority of the underlying assets comprising the investment have been previously included in the investment portfolio; and
- c) The strategy to be employed by the investment manager is substantially similar to an investment that has been previously subject to the Commission's investment due diligence process.

The following table is presented Pursuant to Section 9-16-90(B)(6) of the 1976 South Carolina Code of laws:

DELEGATED INVESTMENTS

Fund Name	Asset Class	Investment Close Date ¹	Net Asset Value	Performance Since Inception Annualized ²	Total Fees ³
Digital Colony I	Private Equity	03/22/18	-\$396	0.00%	\$396
Bridgepoint Europe VI	Private Equity	04/10/18	0	0.00%	0
Industry Ventures Partnership Holdings V	Private Equity	06/01/18	0	0.00%	0
Providence Strategic Growth III	Private Equity	06/11/18	0	0.00%	0
Total			-\$396	0.00%	\$396

¹Represents the date on which the RSIC executed the contracts and not the date the investment was funded. As of 6/30/18 no delegated investments had been funded.

²Returns are time-weighted, total return calculations, net of fees and expenses. All returns are expressed in U.S. Dollars. Additional performance information can be found in the Manager Returns section of this report.

³Total fees include management fees, performance fees including both paid and accrued carried interest, and other expenses.

RISK

OVERVIEW

The Commission will fulfill its fiduciary responsibility by prudently managing the assets held in trust for the sole benefit of the participants and beneficiaries of the Systems. It will seek superior long-term investment results at a reasonable level of risk.

The RSIC invests the assets of the trust in order to earn the required rate of return (7.25 percent as of fiscal year end) over time. With short-term interest rates at historic lows, in order to achieve this goal, an investor is required to expose his or her assets to risk. Instead of pooling one's risk, a prudent investor seeks to balance his or her risks in order to reduce the risk of severe loss. This principle of diversification is central to the RSIC's portfolio asset allocation.

The RSIC also believes that over time, an investor earns a return that is commensurate with the level of risk taken. Risk, in this sense, is a term that refers broadly to an investment's risk of loss. The RSIC typically uses the standard deviation of returns in order to quantify this economic risk of an asset, strategy, asset class, or the broad portfolio. However, there are other risks that are much more difficult to measure (and therefore, mitigate). The RSIC believes risks can be reduced through diversification, a strong due diligence process, ongoing monitoring, and risk management. Some examples of these risks include:

CONCENTRATION OF CREDIT RISK - INVESTMENTS

Concentration of credit risk is the risk of loss attributed to the magnitude of investment in a single issuer or counterparty. The Systems' policy for reducing this risk is to comply with the Statement of Investment Objectives and Policies as amended and adopted by the Commission which states that "except that no limitations on issues and issuers shall apply to obligations of the U.S. Government and Federal Agencies, the domestic fixed income portfolio shall contain no more than 6 percent exposure to any single issuer." As of June 30, 2018, there is no single issuer exposure within the portfolio that comprises 5 percent or more of the overall portfolio.

CREDIT RISK OF DEBT SECURITIES

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations to the Systems. As a matter of practice, there are no overarching limitations for credit risk exposures within the overall fixed income portfolio.

Each individual portfolio within fixed income is managed in accordance with investment guidelines that are specific as to permissible credit quality ranges, exposure levels within individual quality tiers, and average credit quality. Within high yield portfolios, a quality rating of lower than C is not permissible in any of the fixed income guidelines except in those circumstances of downgrades subsequent to purchase, in which case the investment manager is responsible for communicating the downgrade to the Commission's consultant and staff.

CUSTODIAL CREDIT RISK - INVESTMENTS

Custodial credit risk for investments is the risk that, in the event of a failure of the counterparty, the Systems will not be able to recover the value of the investments or collateral securities that are in the possession of an outside party. Investing for the Systems is governed by Section 16, Article X of the South Carolina Constitution and Section 9-1-1310(B) and Title 9 Section 16 of the South Carolina Code of Laws. Funds held in trust for the Systems may be invested and reinvested in a variety of instruments including, but not limited to, fixed income instruments of the United States, foreign fixed income obligations, swaps, forward contracts, futures and options, domestic and international equity securities, private equity, real estate, and fund of funds.

CUSTODIAL CREDIT RISK – DEPOSITS

Custodial credit risk for deposits is the risk that in the event of a bank failure, the Systems' deposits may not be recovered. As prescribed by South Carolina state statute, the South Carolina Public Employee Benefit Authority (PEBA) is the custodian of all deposits and is responsible for securing all deposits held by banks. These deposits are secured by deposit insurance, surety bonds, collateral securities, or letters of credit to protect the state against loss in the event of insolvency or liquidation of the institution or for any other cause. Deposits are insured by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000 or collateralized with securities held by the state or its agent in PEBA's name as custodian.

EQUITY RISK

Equity risk refers to the financial risk of loss that results from ownership. Equity risk is typically observed using the standard deviation of returns.

FOREIGN CURRENCY RISK

Foreign currency risk is the risk that changes in exchange rates will adversely impact the fair value of an investment. The Systems participate in foreign markets to diversify assets, reduce risk and enhance returns. Currency forwards are used to manage currency fluctuations and are permitted by investment policy. Policy, however, forbids speculating in forwards and other derivatives.

INTEREST RATE RISK

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment or portfolio. While the RSIC has no formal interest rate risk policy, interest rate risk is observed within the portfolio using effective duration (option adjusted duration), which is a measure of the price sensitivity of a bond or a portfolio of bonds to interest rate movements given a 100 basis point change in interest rates. Effective duration takes into account that expected cash flows will fluctuate as interest rates change and provides a measure of risk that changes proportionately with market rates. Investment guidelines may specify the degree of interest rate risk taken versus the benchmark within each fixed income portfolio.

LEVERAGE RISK

Leverage is the use of borrowed capital to increase potential investment returns. While the trust is not allowed to utilize leverage at the total plan level, certain investment vehicles, in particular alternative investment funds, can utilize leverage. The trust itself, however is not levered at the total plan level, and the total loss exposure to the trust is limited to the capital invested/committed to the investment vehicle.

LIQUIDITY RISK

Liquidity risk is the risk of having limited access to funds, resulting from a lack of market liquidity or restrictions on the sale of ownership interests. The term “liquidity risk” distinguishes a form of market risk which typically occurs when demand for a given security is weak, or the supply of a security is low. Liquidity risk is higher for “private market” investments, such as private equity and real estate funds. While so-called “secondary sales”—privately arranged transfers of interests in these investments—are an increasingly viable option, selling these interests can be subject to restrictions and may require the seller to accept a discount to the investment’s valuation. There is no publicly available exchange or marketplace on which to liquidate these ownership interests.

VALUATION RISK

The fair values of alternative investments including private equity, private debt, hedge funds, real estate and commodities, for which daily market values are not readily ascertainable, are valued in good faith based on the most recent financial information available for the underlying companies and reported by the investment managers at the measurement date, adjusted for subsequent cash flow activities through June 30, 2018. The estimated fair value of these investments may differ from values that would have been used had a liquid public market existed.

APPENDIX A: SUMMARY SCHEDULE^{1,2}

Cash Equivalents and S-T Investments	Market Value	Notional Value
Cash and Equivalents	\$ 1,188,567	-
Total Short Duration Cash	1,261	-
Total Fixed Income Cash	(138,898)	-
Total Public Equity Cash	534,482	-
Total Infrastructure Cash	15,701	-
Total Public Real Estate Cash	3,157	-
Total Alternatives Cash	88,241	-
Total Russell Overlay Cash	801,187	-
Total Cash and S-T Investments	\$ 2,493,698	-
Short Duration Fixed Income Investments		
Short Duration Fixed Income Investments	\$ 1,157,294	-
Total Short Duration	\$ 1,157,294	-
Fixed Income Investments		
Core Fixed Income	\$ 1,132,566	-
Emerging Market Debt	1,448,279	-
Mixed Credit	1,520,623	-
Total Fixed Income Investments	\$ 4,101,468	-
Equity Investments		
Developed International Equity	\$ 1,052,516	-
Emerging Markets Equity	1,678,787	-
Equity Options Strategy	1,282,823	-
Public Global Equity	4,936,805	-
US Equity	966,129	-
Total Equity	\$ 9,917,061	-
Infrastructure		
Listed Infrastructure	\$ 598,767	-
Total Infrastructure	\$ 598,767	-
Public Real Estate		
Public Real Estate	\$ 797,783	-
Total Public Real Estate	\$ 797,783	-
Alternatives		
Hedge Funds (non-Portable Alpha)	\$ 229,733	-
Portable Alpha Hedge Funds	2,881,978	-
Private Debt	1,847,712	-
Private Equity	2,329,499	-
Real Estate	1,878,663	-
Total Alternatives	\$ 9,167,585	-
Global Tactical Asset Allocation		
GTAA	\$ 2,294,970	-
Total GTAA	\$ 2,294,970	-
Other Opportunistic		
Other Opportunistic	\$ 837,289	-
Total Other Opportunistic	\$ 837,289	-
Overlay		
Futures		
Core Fixed Income	\$ 3,863	\$ 1,297,920
Developed International Equity	(7,514)	516,475
US Equity	(26,171)	1,990,578
Futures Total	(29,823)	3,804,973
Swaps		
Core Fixed Income	\$ (4,183)	\$ 1,227,224
Public Global Equity	894	954,556
US Equity	(26,669)	(212,544)
Swaps Total	(29,958)	1,969,237
Total Overlay	\$ (59,781)	\$ 5,774,209
Total Investments	\$ 31,306,135	\$ 5,774,209

¹Appendices A-J were created using data as of June 30, 2018, that was provided by the Custodian. All figures are in U.S. Dollars.

²Amounts expressed in thousands and thus may not add up to totals due to rounding.

APPENDIX B: CASH AND EQUIVALENTS^{1,2}

Asset Class	Type	Cost	Market Value
CASH & CASH EQUIVALENTS			
General Assembly Combined	Cash	\$ 3,437	\$ 3,437
Judges Combined	Cash	3,565	3,565
National Guard Combined	Cash	2,982	2,982
Police Combined	Cash	35,420	35,420
Retirement Combined	Cash	273,471	273,471
SCRS - Internal	Cash	154,242	154,242
SCRS Liquidity 0-1	Cash	376,996	377,273
SCRS Residual Assets	Cash	-	-
Strategic Partnership	Cash	375,798	375,798
Strategic Partnership	Payables	(39,056)	(39,056)
Strategic Partnership	Receivables	730	730
CASH & CASH EQUIVALENTS Total		\$ 1,187,587	\$ 1,187,864
CASH & CASH EQUIVALENTS Accrued			703
CASH & CASH EQUIVALENTS Net			\$ 1,188,567

Asset Class	Type	Cost	Market Value
SHORT DURATION			
Penn Ltd Term HY	Cash	\$ 1,714	\$ 1,714
Penn Ltd Term HY	Payables	(1,000)	(1,000)
Penn Ltd Term HY Total		714	714
SCRS Short Duration 1-3	Cash	542	542
SCRS Short Duration 1-3 Total		542	542
SHORT DURATION Total		\$ 1,256	\$ 1,256
SHORT DURATION Accrued			6
SHORT DURATION Net			\$ 1,261

Asset Class	Type	Cost	Market Value
FIXED INCOME			
Ashmore External Debt	Cash	\$ 2,960	\$ 2,960
Ashmore External Debt	Payables	(155)	(154)
Ashmore External Debt	Receivables	446	438
Ashmore External Debt Total		3,251	3,244
Barings US High Yield	Cash	5,768	5,768
Barings US High Yield	Payables	(2,084)	(2,084)
Barings US High Yield Total		3,684	3,684
Goldentree Credit	Cash	58,615	58,626
Goldentree Credit	Payables	(182,644)	(181,148)
Goldentree Credit	Receivables	155,457	155,457
Goldentree Credit Total		31,428	32,936
GS - EMD	Receivables	100,000	100,000
GS - EMD Total		100,000	100,000

¹Appendices A-J were created using data as of June 30, 2018, that was provided by the Custodian. All figures are in U.S. Dollars.

²Amounts expressed in thousands and thus may not add up to totals due to rounding.

2017-2018 ANNUAL INVESTMENT REPORT

Asset Class	Type	Cost	Market Value
Guggenheim Partners	Cash	37,573	37,261
Guggenheim Partners	Payables	(66,912)	(65,016)
Guggenheim Partners	Receivables	57,151	57,077
Guggenheim Partners Total		27,812	29,321
Loomis - IG Corp Credit	Cash	1,338	1,338
Loomis - IG Corp Credit	Payables	(637)	(637)
Loomis - IG Corp Credit	Receivables	636	636
Loomis - IG Corp Credit Total		1,336	1,336
Loomis - Securitized	Cash	2,673	2,673
Loomis - Securitized	Payables	(96)	(96)
Loomis - Securitized	Receivables	5,818	5,818
Loomis - Securitized Total		8,395	8,395
Pimco Core	Cash	19,682	19,581
Pimco Core	Payables	(1,030,149)	(1,028,870)
Pimco Core	Receivables	691,329	690,460
Pimco Core Total		(319,138)	(318,829)
Pinebridge Bank Loan	Cash	21,538	21,538
Pinebridge Bank Loan	Payables	(23,678)	(23,678)
Pinebridge Bank Loan	Receivables	2,995	2,995
Pinebridge Bank Loan Total		856	856
Russell EMD Transition Local	Cash	0	0
Russell EMD Transition Local Total		0	0
SCRS Fixed Income	Cash	0	0
SCRS Fixed Income Total		0	0
FIXED INCOME Total		\$ (142,377)	\$ (139,058)
FIXED INCOME Accrued			160
FIXED INCOME Net			\$ (138,898)

Asset Class	Type	Cost	Market Value
PUBLIC EQUITY			
Algert Glb ISCP	Cash	\$ 582	\$ 582
Algert Glb ISCP	Payables	(24,722)	(24,707)
Algert Glb ISCP	Receivables	24,366	24,349
Algert Glb ISCP Total		226	223
AQR Global Enhanced	Cash	10,084	10,067
AQR Global Enhanced	Payables	(557)	(559)
AQR Global Enhanced	Receivables	557	557
AQR Global Enhanced Total		10,084	10,065
De Shaw World Enhanced	Cash	1,443	1,442

¹Appendices A-J were created using data as of June 30, 2018, that was provided by the Custodian. All figures are in U.S. Dollars.

²Amounts expressed in thousands and thus may not add up to totals due to rounding.

RETIREMENT SYSTEM INVESTMENT COMMISSION

Asset Class	Type	Cost	Market Value
De Shaw World Enhanced	Payables	(8,259)	(8,266)
De Shaw World Enhanced	Receivables	8,039	8,043
De Shaw World Enhanced Total		1,222	1,218
Intech Global Eq Sma	Cash	6,055	6,054
Intech Global Eq Sma	Payables	(800)	(800)
Intech Global Eq Sma	Receivables	511	511
Intech Global Eq Sma Total		5,766	5,765
Integrity Small V	Cash	15,672	15,672
Integrity Small V	Payables	(7,076)	(7,076)
Integrity Small V	Receivables	2,720	2,720
Integrity Small V Total		11,315	11,315
Johnston	Receivables	-	-
Johnston Total		-	-
Man Numeric ISCP	Cash	2,129	2,130
Man Numeric ISCP	Payables	(4,354)	(4,363)
Man Numeric ISCP	Receivables	4,685	4,691
Man Numeric ISCP Total		2,460	2,458
Pyramis Small C	Cash	3,093	3,093
Pyramis Small C	Payables	(2,148)	(2,148)
Pyramis Small C	Receivables	3,673	3,673
Pyramis Small C Total		4,619	4,619
Russel Int Small Cap Transition	Cash	965	961
Russel Int Small Cap Transition	Receivables	42	42
Russel Int Small Cap Transition Total		1,007	1,003
Russell Global Equity Transition	Cash	87	86
Russell Global Equity Transition	Receivables	-	-
Russell Global Equity Transition Total		87	86
Russell Options	Cash	481,762	482,829
Russell Options	Payables	(6,447)	(6,447)
Russell Options	Receivables	6,447	6,447
Russell Options Total		481,762	482,829
Timesquare Smid G	Cash	8,680	8,680
Timesquare Smid G Total		8,680	8,680
PUBLIC EQUITY Total		\$ 527,230	\$ 528,263
PUBLIC EQUITY Accrued			6,219
PUBLIC EQUITY Net			\$ 534,482

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Asset Class	Type	Cost	Market Value
Asset Class	Type	Cost	Market Value
INFRASTRUCTURE			
Deutsche Infrastructure	Cash	\$ 16,656	\$ 16,654
Deutsche Infrastructure	Payables	(4,884)	(4,890)
Deutsche Infrastructure	Receivables	3,475	3,481
Deutsche Infrastructure Total		15,247	15,245
INFRASTRUCTURE Total		\$ 15,247	\$ 15,245
INFRASTRUCTURE Accrued			456
INFRASTRUCTURE Net			\$ 15,701

Asset Class	Type	Cost	Market Value
PUBLIC REAL ESTATE			
Centersquare US Real Estate	Cash	\$ 3,083	\$ 3,083
Centersquare US Real Estate	Payables	(1,726)	(1,726)
Centersquare US Real Estate	Receivables	1,792	1,792
Centersquare US Real Estate Total		3,149	3,149
PUBLIC REAL ESTATE Total		\$ 3,149	\$ 3,149
PUBLIC REAL ESTATE Accrued			8
PUBLIC REAL ESTATE Net			\$ 3,157

Asset Class	Type	Cost	Market Value
ALTERNATIVE			
Apax Partners	Cash	\$ (0)	\$ (0)
Apax Partners Total		(0)	(0)
Blackstone SAF II Lp	Receivables	545	545
Blackstone SAF II Lp Total		545	545
Bridgepoint Europe V	Payables	(6,574)	(6,574)
Bridgepoint Europe V	Receivables	6,574	6,584
Bridgepoint Europe V Total		-	10
BW PA II - Low Beta HF	Cash	0	0
BW PA II - Low Beta HF Total		0	0
GCM - Mixed Credit HF	Receivables	3,250	3,250
GCM - Mixed Credit HF Total		3,250	3,250
Lighthouse - Low Beta HF	Receivables	83,656	83,656
Lighthouse - Low Beta HF Total		83,656	83,656
Pantheon Europe V	Cash	776	781
Pantheon Europe V Total		776	781
ALTERNATIVE Total		\$ 88,226	\$ 88,241
ALTERNATIVE Accrued			0
ALTERNATIVE Net			\$ 88,241

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Asset Class	Type	Cost	Market Value
Asset Class	Type	Cost	Market Value
OVERLAY			
Russell - Overlay	Cash	\$ 811,748	\$ 811,997
Russell - Overlay	Payables	(1,340,264)	(1,340,464)
Russell - Overlay	Receivables	1,340,264	1,328,658
Russell - Overlay Total		811,748	800,190
OVERLAY Total		\$ 811,748	\$ 800,190
OVERLAY Accrued			996
OVERLAY Net			\$ 801,187
Total Cash and Short Term Investments		\$ 2,492,066	\$ 2,493,698

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APPENDIX C: SHORT DURATION^{1,2}

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
Short Duration						
ADT CORP/THE	101.50	5.25	3/15/2020	2,193	\$ 2,314	\$ 2,226
AERCAP IRELAND CAPITAL DAC / A	100.60	3.75	5/15/2019	825	851	830
AIR CANADA 144A	106.75	7.75	4/15/2021	865	939	923
AIRCASTLE LTD	103.43	6.25	12/1/2019	1,075	1,175	1,112
AIRCASTLE LTD	105.75	7.63	4/15/2020	3,430	3,877	3,627
ALLEGIANTRAVEL CO	100.50	5.50	7/15/2019	950	984	955
ALLY FINANCIAL INC	99.88	3.75	11/18/2019	3,480	3,538	3,476
ALLY FINANCIAL INC	101.88	8.00	12/31/2018	816	893	831
ALLY FINANCIAL INC	106.88	8.00	3/15/2020	970	1,075	1,037
AMERICAN AIRLINES GROUP I 144A	101.00	5.50	10/1/2019	1,621	1,672	1,637
AMERICAN AXLE & MANUFACTURING	105.00	7.75	11/15/2019	590	648	620
AMERICAN EXPRESS CREDIT CORP	98.75	2.60	9/14/2020	11,680	11,590	11,534
ANIXTER INC	101.75	5.63	5/1/2019	3,328	3,536	3,386
ARCELORMITTAL	102.50	5.13	6/1/2020	1,325	1,391	1,358
ARCONIC INC	104.00	6.15	8/15/2020	1,535	1,653	1,596
ATHENE GLOBAL FUNDING 144A	98.79	2.75	4/20/2020	11,340	11,309	11,202
ATHENE GLOBAL FUNDING 144A	101.27	3.50	4/20/2020	20,500	20,696	20,761
AVOLON 11/17 TLB1	99.55	0.11	9/30/2020	1,993	1,996	1,984
BALL CORP	100.75	4.38	12/15/2020	1,920	1,986	1,934
BERKSHIRE HATHAWAY ENERGY CO	99.19	2.40	2/1/2020	8,125	8,074	8,059
CABLEVISION SYSTEMS CORP	104.97	8.00	4/15/2020	1,723	1,836	1,809
CENTURYLINK INC	101.13	5.63	4/1/2020	2,215	2,243	2,240
CF INDUSTRIES INC	105.63	7.13	5/1/2020	1,295	1,434	1,368
CHEVRON CORP	99.30	2.19	11/15/2019	3,822	3,871	3,795
CIT GROUP INC	99.38	4.13	3/9/2021	835	843	830
CIT GROUP INC	102.63	5.38	5/15/2020	3,050	3,231	3,130
CITIBANK NA	97.60	2.13	10/20/2020	7,000	6,932	6,832
CNH INDUSTRIAL CAPITAL LLC	100.08	3.38	7/15/2019	1,645	1,664	1,646
CSC HOLDINGS LLC	102.88	8.63	2/15/2019	1,735	1,930	1,785
DCP MIDSTREAM OPERATING L 144A	104.13	9.75	3/15/2019	895	996	932
DCP MIDSTREAM OPERATING LP	99.00	2.70	4/1/2019	3,190	3,136	3,158
DELL 9/17 TLA3	99.73	-	12/31/2018	1,000	1,000	997
DISH DBS CORP	99.00	5.13	5/1/2020	2,180	2,234	2,158
DISH DBS CORP	103.75	7.88	9/1/2019	2,830	3,152	2,936
DPL INC	103.13	6.75	10/1/2019	638	673	658
EI DU PONT DE NEMOURS & CO	98.57	2.20	5/1/2020	7,500	7,568	7,393
EMC CORP	97.11	2.65	6/1/2020	3,153	3,094	3,062
ENERGY TRANSFER EQUITY LP	106.63	7.50	10/15/2020	2,815	3,108	3,001
FEDERAL FARM CR BK CONS BD	97.59	1.59	9/14/2020	10,000	10,000	9,759
FEDERAL FARM CR BK CONS BD	98.39	1.47	12/18/2019	2,500	2,500	2,460
FEDERAL FARM CR BK CONS BD	98.57	1.55	11/15/2019	10,000	10,000	9,857
FEDERAL FARM CR BK CONS BD	98.64	1.08	7/5/2019	11,500	11,500	11,343
FEDERAL FARM CR BK CONS BD	98.78	1.43	9/11/2019	9,500	9,494	9,384
FEDERAL FARM CR BK CONS BD	99.37	2.67	4/9/2021	7,500	7,500	7,453
FEDERAL FARM CR BK CONS BD	99.59	2.43	4/3/2020	12,000	12,000	11,951
FEDERAL FARM CR BK CONS BD	99.75	2.68	11/2/2020	8,625	8,625	8,603
FEDERAL FARM CR BK CONS BD	99.78	2.72	4/26/2021	10,000	9,990	9,978
FEDERAL FARM CR BK CONS BD	99.82	2.71	3/29/2021	10,000	10,000	9,982
FEDERAL FARM CR BK CONS BD	99.84	2.42	1/24/2020	10,000	9,998	9,984
FEDERAL FARM CR BK CONS BD	99.85	2.50	4/23/2020	10,000	10,000	9,985
FEDERAL FARM CR BK CONS BD	100.05	2.70	12/21/2020	5,000	4,996	5,003
FEDERAL HOME LN BK CONS BD	97.23	1.38	9/28/2020	2,750	2,669	2,674

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
FEDERAL HOME LN BK CONS BD	98.08	1.75	7/13/2020	13,000	12,996	12,750
FEDERAL HOME LN BK CONS BD	98.14	1.63	6/26/2020	15,000	15,000	14,721
FEDERAL HOME LN BK CONS BD	98.20	1.80	8/28/2020	18,000	18,000	17,676
FEDERAL HOME LN BK CONS BD	98.21	1.80	8/28/2020	10,000	10,000	9,821
FEDERAL HOME LN BK CONS BD	98.22	1.95	11/5/2020	20,000	19,998	19,643
FEDERAL HOME LN BK CONS BD	98.25	1.70	5/15/2020	8,650	8,650	8,499
FEDERAL HOME LN BK CONS BD	98.26	1.69	6/29/2020	10,000	10,000	9,826
FEDERAL HOME LN BK CONS BD	98.57	1.03	7/12/2019	11,000	11,000	10,842
FEDERAL HOME LN BK CONS BD	98.57	1.40	10/29/2019	5,400	5,375	5,323
FEDERAL HOME LN BK CONS BD	98.62	2.25	1/29/2021	10,000	10,000	9,862
FEDERAL HOME LN BK CONS BD	98.71	2.20	1/29/2021	43,125	43,111	42,568
FEDERAL HOME LN BK CONS BD	98.79	2.25	1/29/2021	15,000	15,000	14,819
FEDERAL HOME LN BK CONS BD	98.80	2.00	3/27/2020	10,000	10,000	9,880
FEDERAL HOME LN BK CONS BD	98.80	1.60	10/23/2019	10,000	10,000	9,880
FEDERAL HOME LN BK CONS BD	98.94	1.55	9/27/2019	10,000	10,000	9,894
FEDERAL HOME LN BK CONS BD	98.95	1.55	8/28/2019	14,000	14,000	13,853
FEDERAL HOME LN BK CONS BD	98.97	1.63	10/30/2019	10,000	10,000	9,897
FEDERAL HOME LN BK CONS BD	99.02	2.30	1/26/2021	14,500	14,500	14,358
FEDERAL HOME LN BK CONS BD	99.31	2.15	2/14/2020	14,350	14,350	14,252
FEDERAL HOME LN BK CONS BD	99.69	2.68	4/26/2021	5,500	5,500	5,483
FEDERAL HOME LN BK CONS BD	99.70	2.00	3/5/2020	10,000	9,998	9,970
FEDERAL HOME LN BK CONS BD	99.85	2.50	4/20/2020	20,000	20,000	19,970
FEDERAL HOME LN BK CONS BD	100.00	2.00	5/15/2020	20,000	20,000	19,999
FIAT CHRYSLER AUTOMOBILES NV	99.97	4.50	4/15/2020	2,840	2,932	2,839
FIFTH THIRD BANK/CINCINNATI OH	97.74	2.20	10/30/2020	6,135	6,097	5,996
FREEMONT-MCMORAN INC	98.00	3.10	3/15/2020	1,754	1,721	1,719
FRESENIUS MEDICAL CARE US 144A	102.44	5.63	7/31/2019	1,630	1,749	1,670
FRONTIER COMMUNICATIONS 8/15	98.41	0.01	3/31/2021	1,479	1,466	1,456
GENERAL DYNAMICS CORP	99.68	3.00	5/11/2021	5,000	4,985	4,984
GENERAL DYNAMICS CORP	99.89	2.88	5/11/2020	13,000	12,986	12,986
GENERAL ELECTRIC CO	98.80	2.20	1/9/2020	14,300	14,462	14,129
GENERAL ELECTRIC CO	98.90	2.10	12/11/2019	3,000	3,021	2,967
GENERAL ELECTRIC CO	102.42	4.38	9/16/2020	2,788	2,905	2,856
GENERAL MOTORS FINANCIAL CO IN	99.83	3.15	1/15/2020	2,420	2,436	2,416
GILEAD SCIENCES INC	98.79	1.85	9/20/2019	5,000	4,982	4,939
GILEAD SCIENCES INC	99.02	2.35	2/1/2020	9,050	9,041	8,961
GLP CAPITAL LP / GLP FINANCING	100.00	4.38	4/15/2021	400	404	400
GLP CAPITAL LP / GLP FINANCING	101.13	4.88	11/1/2020	1,240	1,312	1,254
GOODYEAR TIRE & RUBBER CO/THE	108.75	8.75	8/15/2020	2,215	2,599	2,409
GREIF INC	103.50	7.75	8/1/2019	1,289	1,424	1,334
HARLAND CLARKE HOLDINGS C 144A	99.00	6.88	3/1/2020	915	937	906
HARLEY-DAVIDSON FINANCIAL 144A	98.09	2.15	2/26/2020	17,845	17,639	17,504
HARLEY-DAVIDSON FINANCIAL 144A	99.17	2.40	9/15/2019	5,000	4,977	4,959
HCA HEALTHCARE INC	103.75	6.25	2/15/2021	1,415	1,495	1,468
HCA INC	100.38	3.75	3/15/2019	735	750	738
HCA INC	103.81	6.50	2/15/2020	3,375	3,704	3,504
HERTZ CORP/THE	97.75	5.88	10/15/2020	380	377	371
HUGHES SATELLITE SYSTEMS CORP	102.35	6.50	6/15/2019	2,330	2,449	2,385
HUNTSMAN INTERNATIONAL LLC	101.50	4.88	11/15/2020	965	1,008	979
ICAHN ENTERPRISES LP / ICAHN E	101.25	6.00	8/1/2020	2,615	2,691	2,648
INTERNATIONAL GAME TECHNO 144A	101.25	5.63	2/15/2020	1,500	1,593	1,519
ISTAR INC	98.50	4.63	9/15/2020	780	780	768
JACKSON NATIONAL LIFE GLO 144A	98.63	2.20	1/30/2020	9,000	8,969	8,877

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JAGUAR LAND ROVER AUTOMOT 144A	100.13	4.13	12/15/2018	1,750	1,806	1,752
JBS USA LUX SA / JBS USA 144A	101.00	7.25	6/1/2021	634	643	640
JOHN DEERE CAPITAL CORP	97.84	1.95	6/22/2020	7,500	7,376	7,338
JPMORGAN CHASE & CO	98.48	2.55	10/29/2020	5,500	5,525	5,417
JPMORGAN CHASE & CO	99.11	2.75	6/23/2020	4,000	4,085	3,964
JPMORGAN CHASE & CO	102.43	4.40	7/22/2020	2,100	2,161	2,151
KB HOME	100.41	4.75	5/15/2019	1,150	1,177	1,155
KB HOME	106.50	8.00	3/15/2020	2,692	2,987	2,867
KINETIC CONCEPTS INC / KC 144A	101.50	7.88	2/15/2021	800	830	812
LENNAR CORP	97.48	2.95	11/29/2020	1,100	1,097	1,072
LENNAR CORP	100.63	4.50	11/15/2019	1,275	1,324	1,283
LENNAR CORP	109.25	8.38	1/15/2021	359	401	392
LEVEL 3 FINANCING INC	100.63	6.13	1/15/2021	845	858	850
MALLINCKRODT INTERNATIONAL 144A	98.25	4.88	4/15/2020	945	952	928
MASSMUTUAL GLOBAL FUNDING 144A	98.37	2.45	11/23/2020	8,120	8,136	7,988
MERITAGE HOMES CORP	105.50	7.15	4/15/2020	2,097	2,293	2,212
MGM RESORTS INTERNATIONAL	101.75	5.25	3/31/2020	1,412	1,507	1,437
MGM RESORTS INTERNATIONAL	102.50	8.63	2/1/2019	1,145	1,239	1,174
MGM RESORTS INTERNATIONAL	104.75	6.75	10/1/2020	2,039	2,193	2,136
MIDCONTINENT EXPRESS PIPE 144A	102.95	6.70	9/15/2019	1,504	1,560	1,548
NAVIENT CORP	100.50	4.88	6/17/2019	2,895	2,982	2,909
NAVIENT CORP	105.50	8.00	3/25/2020	835	917	881
NETFLIX INC	102.78	5.38	2/1/2021	650	679	668
NEW YORK LIFE GLOBAL FUND 144A	98.19	2.00	4/9/2020	3,165	3,118	3,108
NGL ENERGY PARTNERS LP / NGL E	100.13	5.13	7/15/2019	415	416	416
NISSAN MOTOR ACCEPTANCE C 144A	97.43	2.15	9/28/2020	5,000	4,971	4,871
NISSAN MOTOR ACCEPTANCE C 144A	97.56	2.15	7/13/2020	4,665	4,611	4,551
NISSAN MOTOR ACCEPTANCE C 144A	97.71	2.55	3/8/2021	6,700	6,554	6,547
NISSAN MOTOR ACCEPTANCE C 144A	98.17	2.13	3/3/2020	5,000	5,009	4,908
NISSAN MOTOR ACCEPTANCE C 144A	98.58	2.25	1/13/2020	16,050	15,997	15,822
NXP BV / NXP FUNDING LLC 144A	101.00	4.13	6/15/2020	1,250	1,311	1,263
PENSKE AUTOMOTIVE GROUP INC	99.00	3.75	8/15/2020	1,000	1,000	990
PROTECTIVE LIFE GLOBAL FU 144A	98.41	2.26	4/8/2020	14,000	13,808	13,778
REYNOLDS GROUP ISSUER INC / RE	100.38	5.75	10/15/2020	2,457	2,484	2,466
RHP HOTEL PROPERTIES LP / RHP	100.25	5.00	4/15/2021	575	581	576
ROCKIES EXPRESS PIPELINE 144A	101.13	6.00	1/15/2019	1,810	1,895	1,830
SC STRATEGIC PARTNER SHORT	1.00	-		186,061	186,061	186,061
SEAWORLD 5/13 TLB	99.46	0.01	5/14/2020	2,957	2,935	2,941
SELECT MEDICAL CORP	101.36	6.38	6/1/2021	2,175	2,208	2,205
SPRINGLEAF FINANCE CORP	107.75	8.25	12/15/2020	1,370	1,514	1,476
SPRINT CAPITAL CORP	102.02	6.90	5/1/2019	1,665	1,780	1,699
SPRINT COMMUNICATIONS INC	103.50	7.00	8/15/2020	3,305	3,610	3,421
SYMANTEC CORP	100.29	4.20	9/15/2020	1,085	1,129	1,088
TARGA RESOURCES PARTNERS LP /	100.00	4.13	11/15/2019	1,741	1,767	1,741
TECK RESOURCES LTD	100.00	4.50	1/15/2021	625	643	625
TENET HEALTHCARE CORP	99.00	4.50	4/1/2021	570	571	564
TENET HEALTHCARE CORP	100.25	4.75	6/1/2020	3,665	3,796	3,674
TENET HEALTHCARE CORP	102.75	6.00	10/1/2020	360	373	370
TEVA PHARMACEUTICAL FINANCE IV	96.39	2.25	3/18/2020	870	847	839
TOLL BROTHERS FINANCE CORP	104.13	6.75	11/1/2019	548	599	571
TOYOTA MOTOR CREDIT CORP	99.49	2.95	4/13/2021	5,750	5,732	5,720
U S TREASURY NOTE	97.47	1.38	9/15/2020	5,250	5,229	5,117
U S TREASURY NOTE	97.90	1.63	10/15/2020	14,750	14,723	14,441

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
U S TREASURY NOTE	98.18	1.00	10/15/2019	43,000	43,047	42,216
U S TREASURY NOTE	98.39	0.88	7/31/2019	12,000	12,068	11,807
U S TREASURY NOTE	98.74	0.88	5/15/2019	10,000	9,978	9,874
UNITED CONTINENTAL HOLDINGS IN	104.38	6.00	12/1/2020	1,074	1,157	1,121
UNITED STATES STEEL CORP	106.00	7.38	4/1/2020	1,765	1,898	1,871
UNITEDHEALTH GROUP INC	97.56	1.95	10/15/2020	6,150	6,025	6,000
UNITEDHEALTH GROUP INC	99.40	2.70	7/15/2020	8,500	8,485	8,449
UNITEDHEALTH GROUP INC	101.57	3.88	10/15/2020	4,625	4,730	4,698
UNIVERSAL HOSPITAL SERVICES IN	99.75	7.63	8/15/2020	1,893	1,931	1,888
VIRGIN MEDIA SECURED FINANCE P	101.50	5.25	1/15/2021	800	822	812
WELLS FARGO & CO	97.77	2.50	3/4/2021	9,200	9,018	8,995
WELLS FARGO BANK NA	98.41	2.60	1/15/2021	28,000	27,558	27,554
WYNDHAM DESTINATIONS INC	102.25	5.63	3/1/2021	1,020	1,042	1,043
Short Duration				1,157,585	\$ 1,163,540	\$ 1,150,535
Short Duration Receivables						6,759
Total Short Duration						\$ 1,157,294

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APPENDIX D: FIXED INCOME^{1,2}

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
Core Fixed Income						
90DAY EURO\$ FUTURE (CME)	97.02	-	12/14/2020	(0) \$	- \$	(3)
90DAY EURO\$ FUTURE (CME)	97.02	-	3/16/2020	(0)	-	54
90DAY EURO\$ FUTURE (CME)	97.02	-	6/15/2020	(0)	-	468
90DAY EURO\$ FUTURE (CME)	97.03	-	9/14/2020	(0)	-	13
90DAY EURO\$ FUTURE (CME)	97.04	-	12/16/2019	(0)	-	14
ACCREDITED MORTGAGE LOAN 4 A2D	98.95	2.79	1/25/2035	1,866	1,875	1,846
ACE SECURITIES CORP HOM HE6 M1	99.34	2.56	10/25/2035	4,000	3,877	3,973
ADAMS MILL CLO LTD 1A A1R 144A	99.96	3.45	7/15/2026	1,400	1,400	1,399
AIA GROUP LTD REGS	97.89	3.13	3/13/2023	2,000	2,034	1,958
ALLERGAN FINANCE LLC	97.16	3.25	10/1/2022	1,100	1,102	1,069
ALLERGAN FUNDING SCS	98.40	3.45	3/15/2022	3,600	3,631	3,542
ALLY AUTO RECEIVABLES TRU 2 A2	99.86	1.49	11/15/2019	1,242	1,241	1,240
ALLY AUTO RECEIVABLES TRU 3 A2	100.00	2.72	5/17/2021	2,100	2,100	2,100
ALLY MASTER OWNER TRUST 1 A	100.13	2.47	2/15/2021	2,400	2,400	2,403
AMERICAN EXPRESS CO	100.12	3.38	5/17/2021	1,700	1,700	1,702
AMERICAN HOMES 4 R SFR1 D 144A	100.70	4.41	4/17/2052	200	196	201
AMERICAN HOMES 4 RENT LP	95.77	4.25	2/15/2028	1,600	1,591	1,532
AMERICREDIT AUTOMOBILE R 1 A2A	99.82	1.51	5/18/2020	647	647	646
AMERICREDIT AUTOMOBILE R 1 A2B	100.01	2.32	7/19/2021	1,300	1,300	1,300
AMERICREDIT AUTOMOBILE REC 4 C	98.39	2.41	7/8/2022	580	580	571
ANDEAVOR LOGISTICS LP / TESORO	102.50	5.50	10/15/2019	1,100	1,152	1,128
ARIZONA ST HLTH FACS AUTH HOSP	106.56	5.00	2/1/2030	3,000	3,185	3,197
ASCENTIUM EQUIPMENT 2A C 144A	98.13	2.87	8/10/2022	65	65	64
AT&T INC	100.42	2.97	6/1/2021	2,000	2,000	2,008
AT&T INC	100.52	3.00	1/15/2020	500	500	503
AT&T INC	100.95	3.30	7/15/2021	2,300	2,300	2,322
ATRIUM X 10A AR 144A	100.08	3.30	7/16/2025	1,193	1,193	1,194
AURIUM CLO II DAC 2A AR 144A	116.76	0.68	10/13/2029	900	1,047	1,051
AUST 10Y BOND FUTURE (SFE)	71.93	-	9/17/2018	(0)	-	(308)
AVALONBAY COMMUNITIES INC	97.48	3.45	6/1/2025	3,200	3,194	3,119
AVANGRID INC	96.15	3.15	12/1/2024	1,700	1,702	1,635
AVERY POINT III CLO 3A AR 144A	100.04	3.48	1/18/2025	1,467	1,467	1,467
AVID AUTOMOBILE RECEI 1 A 144A	99.45	2.84	8/15/2023	504	504	501
BAKER HUGHES A GE CO LLC / BAK	97.01	2.77	12/15/2022	1,900	1,900	1,843
BANC OF AMERICA FUNDING A 1A1	99.31	3.79	2/20/2036	250	221	249
BANK OF AMERICA CORP	97.14	2.88	4/24/2023	2,800	2,800	2,720
BANK OF AMERICA CORP	98.53	3.30	1/11/2023	2,400	2,404	2,365
BANK OF AMERICA CORP	98.98	3.55	3/5/2024	1,700	1,700	1,683
BANK OF AMERICA CORP	99.65	3.11	3/5/2024	900	894	897
BANK OF AMERICA CORP	101.65	4.13	1/22/2024	5,200	5,450	5,286
BANK OF NOVA SCOTIA/THE	96.77	1.88	4/26/2021	2,700	2,686	2,613
BARCLAYS BANK PLC	107.65	7.63	11/21/2022	4,200	4,579	4,521
BARCLAYS BANK PLC C/D	99.94	1.94	9/4/2018	3,500	3,500	3,498
BARCLAYS PLC	97.25	3.68	1/10/2023	2,700	2,700	2,626
BARCLAYS PLC	103.79	4.46	8/10/2021	2,200	2,222	2,283
BARCLAYS PLC REGS	128.89	3.25	2/12/2027	1,200	1,454	1,547
BAYER US FINANCE II LLC 144A	100.00	3.35	12/15/2023	2,100	2,100	2,100
BAYVIEW OPPORTUNI SPL2 B1 144A	102.72	4.25	6/28/2054	305	314	313
BAYVIEW OPPORTUNI SPL3 B1 144A	103.02	4.25	11/28/2053	435	452	448
BAYVIEW OPPORTUNIT RT1 A1 144A	98.31	3.00	3/28/2057	393	396	387
BAYVIEW OPPORTUNIT SPL2 A 144A	100.77	4.00	6/28/2053	399	411	403
BAYVIEW OPPORTUNIT SPL4 A 144A	99.81	3.50	1/28/2055	602	618	601
BEAR STEARNS ARM TRUST 1 12A5	100.40	3.91	4/25/2034	897	890	900
BEAR STEARNS ARM TRUST 10 15A1	102.55	3.73	1/25/2035	238	235	244
BEAR STEARNS ARM TRUST 2 8 1A1	95.87	3.82	1/25/2034	4	3	4

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
BEAR STEARNS ARM TRUST 2 9 2A1	101.79	3.83	2/25/2034	1,146	1,132	1,166
BEAR STEARNS ASSET BACK SD2 A1	99.87	2.47	6/25/2036	106	75	106
BMW VEHICLE LEASE TRUST 1 A2	99.82	1.64	7/22/2019	780	779	778
BNP PARIBAS SA 144A	97.47	3.50	3/1/2023	1,700	1,696	1,657
BRFKREDIT A/S	15.72	1.00	10/1/2018	34,500	5,132	5,422
BROADCOM CORP / BROADCOM CAYMA	96.84	2.20	1/15/2021	1,500	1,460	1,453
CALIFORNIA REPUBLIC AUTO R 1 C	97.81	3.76	12/15/2023	700	700	685
CALIFORNIA REPUBLIC AUTO R 2 B	97.96	2.52	5/16/2022	570	570	558
CAMPBELL SOUP CO	96.42	3.95	3/15/2025	1,800	1,795	1,736
CANADA 10YR BOND FUTURE (MSE)	103.93	-	9/19/2018	(0)	-	(5)
CAPITAL ONE MULTI-ASSET A1 A1	100.27	2.52	2/15/2022	2,300	2,300	2,306
CARMAX AUTO OWNER TRUST 20 1 D	99.17	3.37	7/15/2024	215	215	213
CARMAX AUTO OWNER TRUST 20 2 D	99.95	3.99	4/15/2025	125	125	125
CARMAX AUTO OWNER TRUST 20 4 D	98.57	3.30	5/15/2024	345	345	340
CCP CDX SP UL CDX.NA.IG.28	-	1.00	6/20/2022	5,300	98	-
CCP_CDS. SP UL BERKSHIRE HATHA	-	1.00	12/20/2021	1,600	9	-
CCP_CDS. SP UL CITIGROUP INC.	-	1.00	12/20/2020	5,500	104	-
CCP_CDS. SP UL SIMON PROPERTY	-	1.00	6/20/2022	3,300	11	-
CCP_CDS._SP UL BERKSHIRE HATHA	(2.04)	-	12/20/2021	(1,600)	(0)	33
CCP_CDS._SP UL CITIGROUP INC.	(1.59)	-	12/20/2020	(5,500)	(0)	87
CCP_CDS._SP UL SIMON PROPERTY	(1.93)	-	6/20/2022	(3,300)	(0)	64
CCP_CD X SP UL CDX.NA.IG.28	(1.65)	-	6/20/2022	(5,300)	-	87
CCP_CD X. SP UL CDX.NA.IG.29_V1	-	1.00	12/20/2022	-	-	-
CCP_CD X. SP UL CDX.NA.IG.30 CM	-	1.00	6/20/2023	83,900	1,449	-
CCP_CD X. SP UL CDX.NA.IG.30 CM	(1.48)	-	6/20/2023	(83,900)	(0)	1,241
CCP_IRS. P EUR-EURIBOR-REUTERS	0.87	1.50	9/19/2048	2,700	0	23
CCP_IRS. P EUR-EURIBOR-REUTERS	1.06	0.50	9/19/2023	5,800	39	61
CCP_IRS. P EUR-EURIBOR-REUTERS	1.62	1.50	7/4/2042	6,300	0	102
CCP_IRS. P EUR-EURIBOR-REUTERS	3.12	0.01	12/19/2028	6,500	0	203
CCP_IRS. P EUR-EURIBOR-REUTERS	3.74	1.25	9/19/2028	26,400	771	988
CCP_IRS. R CAD-BA-CDOR 3M CME	-	0.90	12/16/2046	700	0	-
CCP_IRS. R CAD-BA-CDOR 3M CME	-	1.76	12/15/2025	9,700	35	-
CCP_IRS. R GBP-LIBOR-BBA 6M CM	-	0.01	12/19/2028	2,400	40	-
CCP_IRS. R GBP-LIBOR-BBA 6M CM	-	0.01	12/19/2048	5,700	27	-
CCP_IRS. R GBP-LIBOR-BBA 6M CM	-	0.01	9/19/2023	13,700	0	-
CCP_IRS. R GBP-LIBOR-BBA 6M CM	-	0.01	9/19/2028	4,300	103	-
CCP_IRS. R JPY-LIBOR-BBA 6M CM	-	(0.00)	3/18/2026	2,620,000	0	-
CCP_IRS. R JPY-LIBOR-BBA 6M CM	-	0.01	12/20/2019	70,000	0	-
CCP_IRS. R JPY-LIBOR-BBA 6M CM	-	0.01	6/18/2028	400,000	1	-
CCP_IRS. R JPY-LIBOR-BBA 6M CM	-	0.02	3/20/2028	760,000	55	-
CCP_IRS. R JPY-LIBOR-BBA 6M CM	-	0.02	3/20/2029	540,000	0	-
CCP_IRS. R JPY-LIBOR-BBA 6M CM	-	0.02	9/20/2027	920,000	21	-
CCP_IRS. R JPY-LIBOR-BBA 6M CM	-	0.02	3/18/2026	1,770,000	0	-
CCP_IRS. R USD-LIBOR-BBA 3M CM	-	0.01	9/3/2020	199,600	78	-
CCP_IRS. R USD-LIBOR-BBA 3M CM	-	2.33	12/20/2027	2,600	83	-
CCP_IRS. R USD-LIBOR-BBA 3M CM	-	2.33	6/20/2028	12,200	712	-
CCP_IRS._P EUR-EURIBOR-REUTERS	-	(0.27)	9/19/2023	(5,800)	(0)	-
CCP_IRS._P EUR-EURIBOR-REUTERS	-	(0.27)	7/4/2042	(6,300)	(0)	-
CCP_IRS._P EUR-EURIBOR-REUTERS	-	(0.27)	12/19/2028	(6,500)	(0)	-
CCP_IRS._P EUR-EURIBOR-REUTERS	-	0.01	9/19/2028	(26,400)	(0)	-
CCP_IRS._P EUR-EURIBOR-REUTERS	-	0.01	9/19/2048	(2,700)	(31)	-
CCP_IRS._R CAD-BA-CDOR 3M CME	(14.28)	1.75	12/16/2046	(700)	(9)	100
CCP_IRS._R CAD-BA-CDOR 3M CME	(1.09)	2.30	12/15/2025	(9,700)	(218)	105
CCP_IRS._R GBP-LIBOR-BBA 6M CM	(4.42)	1.50	12/19/2048	(5,700)	(0)	252
CCP_IRS._R GBP-LIBOR-BBA 6M CM	(0.96)	1.50	12/19/2028	(2,400)	(0)	23
CCP_IRS._R GBP-LIBOR-BBA 6M CM	(0.62)	1.50	9/19/2028	(4,300)	(0)	27

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
CCP_IRS_R GBP-LIBOR-BBA 6M CM	1.01	1.50	9/19/2023	(13,700)	(3)	(139)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.00	0.30	3/20/2028	(760,000)	(0)	(15)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.00	0.25	12/20/2019	(70,000)	(2)	(2)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.00	0.30	9/20/2027	(920,000)	(16)	(33)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.01	0.30	3/18/2026	(2,620,000)	(113)	(183)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.01	0.30	3/18/2026	(1,770,000)	(68)	(125)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.01	0.38	6/18/2028	(90,000)	(0)	(7)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.01	0.45	3/20/2029	(540,000)	(40)	(53)
CCP_IRS_R JPY-LIBOR-BBA 6M CM	0.01	0.40	6/18/2028	(310,000)	(0)	(31)
CCP_IRS_R USD-LIBOR-BBA 3M CM	(5.91)	2.25	6/20/2028	(12,200)	(0)	721
CCP_IRS_R USD-LIBOR-BBA 3M CM	(3.79)	2.50	12/20/2027	(2,600)	-	99
CCP_IRS_R USD-LIBOR-BBA 3M CM	0.02	3.00	9/3/2020	(199,600)	(0)	(33)
CD 2016-CD2 MORTGAGE T CD2 ASB	99.39	3.35	11/10/2049	2,700	2,781	2,683
CDS SP UL REPUBLIC OF COLOMBI	0.72	1.00	6/20/2021	3,200	27	23
CDS_SP UL REPUBLIC OF COLOMBI	-	-	6/20/2021	(3,200)	-	-
CDX SP CDX.NA.IG.30 V1	0.01	-	7/18/2018	(1,700)	(3)	(0)
CDX SP CDX.NA.IG.30 V1	0.03	-	7/18/2018	(2,100)	(2)	(1)
CDX SP CDX.NA.IG.30 V1 062023	0.02	-	7/18/2018	(1,600)	(2)	(0)
CDX SP CDX.NA.IG.30 V1 062023	0.03	-	7/18/2018	(2,200)	(2)	(1)
CDX SP CDX.NA.IG.30 V1 062023	0.04	-	7/18/2018	(100)	(0)	(0)
CDX SP UL CMBX.NA.AAA.9_1	(0.04)	0.50	9/17/2058	14,700	-	(7)
CDX_SP UL CMBX.NA.AAA.9_1	-	-	9/17/2058	(14,700)	(596)	-
CENT CLO 20 LTD 20A AR 144A	100.10	3.46	1/25/2026	1,349	1,349	1,350
CHARTER COMMUNICATIONS OPERATI	99.87	3.58	7/23/2020	400	406	399
CHASE FUNDING TRUST SERI 1 2A2	98.43	2.55	12/25/2033	1,780	1,739	1,752
CHASE ISSUANCE TRUST A1 A	100.23	2.37	1/18/2022	2,300	2,300	2,305
CHICAGO IL	108.34	7.75	1/1/2042	1,500	1,518	1,625
CHICAGO IL	108.53	7.05	1/1/2029	2,700	2,700	2,930
CHL MORTGAGE PASS-THR HYB7 1A2	100.10	3.37	11/20/2034	941	775	942
CHL MORTGAGE PASS-THROU 25 2A1	96.62	2.77	2/25/2035	51	28	49
CHUGOKU ELECTRIC POWER CO REGS	99.23	2.70	3/16/2020	1,175	1,175	1,166
CIG AUTO RECEIVABLES 1A A 144A	99.35	2.71	5/15/2023	108	108	107
CITIGROUP COMMERCIAL GC33 AAB	-	3.52	9/10/2058	-	-	-
CITIGROUP COMMERCIAL MO P1 AAB	-	3.47	9/15/2048	-	-	-
CITIGROUP INC	92.99	3.20	10/21/2026	1,800	1,673	1,674
CITIGROUP INC	100.09	3.35	6/1/2024	1,700	1,700	1,702
CITIGROUP INC	100.54	4.04	6/1/2024	1,700	1,711	1,709
CITIGROUP INC	100.62	3.25	6/7/2019	2,300	2,300	2,314
CITIGROUP INC	100.89	3.32	4/25/2022	2,800	2,800	2,825
CITIGROUP INC	102.06	3.73	9/1/2023	600	598	612
CITIGROUP MORTGAGE LOA HYB3 1A	100.80	3.79	9/25/2034	424	424	428
CITIGROUP MORTGAGE LOA RES1 M1	99.92	3.07	11/25/2034	3,418	3,272	3,416
CITIGROUP MORTGAGE LOAN 11 A1A	100.48	4.49	5/25/2035	270	229	272
CITIGROUP MORTGAGE LOAN 3 2A2A	100.50	3.84	8/25/2035	213	184	215
CITIGROUP MORTGAGE LOAN T 6 A2	101.24	4.24	9/25/2035	300	261	303
CNH INDUSTRIAL CAPITAL LLC	99.50	3.88	10/15/2021	1,200	1,225	1,194
CNH INDUSTRIAL CAPITAL LLC	101.57	4.38	11/6/2020	1,800	1,872	1,828
COMM 2013-WWP MORT WWP A2 144A	100.70	3.42	3/10/2031	540	546	544
COMM 2014-UBS2 MORTGAG UBS2 A4	-	3.69	3/10/2047	-	-	-
COMM 2014-UBS5 MORTGAG UBS5 A4	-	3.84	9/10/2047	-	-	-
COMM 2015-DC1 MORTGAGE DC1 A5	-	3.35	2/10/2048	-	-	-
COMM 2016-COR1 MORTGA COR1 ASB	96.94	2.97	10/10/2049	2,000	2,060	1,939
COMMERCIAL MORTGA LTRT A2 144A	96.66	3.40	10/5/2030	540	531	522
COMMIT TO PUR FHLMC GOLD SFM	99.48	3.50	7/1/2048	12,000	11,874	11,937
COMMIT TO PUR FHLMC GOLD SFM	101.78	4.00	8/1/2048	6,000	6,083	6,107
COMMIT TO PUR FNMA SF MTG	96.78	3.00	8/1/2048	57,800	55,771	55,937

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RETIREMENT SYSTEM INVESTMENT COMMISSION

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COMMIT TO PUR FNMA SF MTG	96.87	3.00	7/1/2048	3,200	3,060	3,100
COMMIT TO PUR FNMA SF MTG	99.41	3.50	8/1/2048	66,500	65,889	66,104
COMMIT TO PUR FNMA SF MTG	99.53	3.50	7/1/2048	15,000	14,845	14,930
COMMIT TO PUR FNMA SF MTG	101.65	4.00	9/1/2048	43,135	43,755	43,846
COMMIT TO PUR FNMA SF MTG	101.81	4.00	8/1/2048	45,865	46,543	46,693
COMMIT TO PUR FNMA SF MTG	102.59	4.00	7/1/2033	(5,000)	(5,106)	(5,129)
COMMIT TO PUR FNMA SF MTG	103.94	4.50	8/1/2048	30,000	31,073	31,181
COMMIT TO PUR GNMA II JUMBOS	102.34	4.00	9/1/2032	6,000	6,125	6,141
COMMIT TO PUR GNMA SF MTG	94.69	2.50	7/15/2048	5,100	4,815	4,829
COMMIT TO PUR GNMA SF MTG	97.85	3.00	7/15/2048	1,700	1,656	1,663
COMMIT TO PUR GNMA SF MTG	102.45	4.00	7/15/2048	2,000	2,054	2,049
COMMONWEALTH BANK OF AUSTRALIA	99.71	1.75	11/2/2018	2,000	1,998	1,994
CONTINENTAL AIRLINES 2010-1 CL	101.92	4.75	7/12/2022	0	0	0
COOPERATIEVE RABOBANK UA REGS	124.76	5.50	12/31/2049	800	1,077	998
COOPERATIEVE RABOBANK UA REGS	131.20	6.63	12/31/2049	600	859	787
COREVEST AMERICAN FIN 1 A 144A	97.99	2.97	10/15/2049	182	182	179
CPS AUTO RECEIVABLES A D 144A	101.87	5.00	12/15/2021	470	470	479
CPS AUTO RECEIVABLES C D 144A	101.47	4.63	8/16/2021	465	465	472
CPS AUTO TRUST D D 144A	101.23	4.53	1/17/2023	925	925	936
CREDIT ACCEPTANCE AU 2A B 144A	99.69	3.18	5/15/2024	1,185	1,185	1,181
CREDIT SUISSE GROUP AG 144A	100.07	4.21	6/12/2024	1,400	1,401	1,401
CREDIT SUISSE GROUP FUNDING GU	98.91	2.75	3/26/2020	2,600	2,596	2,572
CREDIT SUISSE GROUP FUNDING GU	99.28	3.13	12/10/2020	500	504	496
CREDIT SUISSE GROUP FUNDING GU	99.56	3.80	9/15/2022	2,800	2,821	2,788
CROWN CASTLE INTERNATIONAL COR	104.78	5.25	1/15/2023	1,200	1,200	1,257
CSMC TRUST 2016-NXSR NXSR ASB	99.66	3.57	12/15/2049	2,005	2,065	1,998
DELTA AIR LINES INC	98.87	3.63	3/15/2022	2,000	2,042	1,977
DEUTSCHE BANK AG	100.47	4.26	5/10/2019	4,600	4,600	4,622
DEUTSCHE BANK AG/NEW YORK NY	96.02	3.95	2/27/2023	1,400	1,398	1,344
DEUTSCHE BANK AG/NEW YORK NY	96.78	3.15	1/22/2021	1,300	1,300	1,258
DEUTSCHE BANK AG/NEW YORK NY	97.26	2.70	7/13/2020	900	899	875
DIGITAL REALTY TRUST LP	100.31	4.45	7/15/2028	1,800	1,797	1,806
DIGITAL REALTY TRUST LP	101.02	3.95	7/1/2022	1,100	1,092	1,111
DOMINO'S PIZZA MAS 1A A2I 144A	101.05	4.12	7/25/2048	195	195	197
DR HORTON INC	100.97	4.00	2/15/2020	1,500	1,549	1,515
DRIVEN BRANDS FUNDI 1A A2 144A	100.68	4.74	4/20/2048	95	95	96
DRIVER AUSTRALIA FIVE TRUS 5 A	73.89	2.92	7/21/2026	2,539	1,951	1,876
DT AUTO OWNER TRUST 2A D 144A	-	4.15	3/15/2024	-	-	-
DXC TECHNOLOGY CO	100.03	3.25	3/1/2021	1,600	1,603	1,600
ELM PARK CLO DAC 1A A1R 144A	116.61	0.62	4/16/2029	800	985	933
EMERALD AVIATION FINA 1 A 144A	100.58	4.65	10/15/2038	438	448	441
ENERGY LOUISIANA LLC	109.20	5.40	11/1/2024	4,500	5,127	4,914
EPR PROPERTIES	98.78	4.50	4/1/2025	1,700	1,742	1,679
EQT MIDSTREAM PARTNERS LP	99.84	4.75	7/15/2023	1,700	1,697	1,697
ESSEX PORTFOLIO LP	95.64	3.63	5/1/2027	2,300	2,287	2,200
EURO BUXL 30Y BND FUTURE (EUX)	207.47	-	9/6/2018	(0)	-	(102)
EURO-BUND FUTURE (EUX)	189.79	-	9/6/2018	(0)	-	(27)
EURO-BUND FUTURE SEP 18	0.14	-	7/27/2018	(0)	-	(10)
EURO-BUND FUTURE SEP 18	0.36	-	7/27/2018	(0)	-	(28)
EURO-OAT FUTURE (EUX)	180.43	-	9/6/2018	(0)	-	(384)
EUROSAIL-UK 2007-3 3X A3A REGS	132.01	1.58	6/13/2045	1,202	1,406	1,587
FEDERAL AGRICULTURAL 1 A2 144A	99.00	3.73	3/25/2047	1,169	1,178	1,157
FHLMC POOL #Q3-8156	97.52	3.00	1/1/2046	704	704	687
FHLMC POOL #Q4-3173	96.95	3.00	9/1/2046	1,710	1,693	1,658
FHLMC MULTICLASS MT	4.85	1.30	6/15/2039	2,980	179	144
FHLMC MULTICLASS MT	10.48	4.08	8/15/2032	815	116	85

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FHLMC MULTICLASS MTG 1673 SE	109.07	8.39	2/15/2024	92	106	101
FHLMC MULTICLASS MTG 2725 SC	99.23	6.10	11/15/2033	178	199	177
FHLMC MULTICLASS MTG 2778 MM	108.43	5.25	4/15/2034	250	271	271
FHLMC MULTICLASS MTG 3012 FS	113.19	11.69	8/15/2035	687	913	778
FHLMC MULTICLASS MTG 3051 PS	135.15	16.56	10/15/2035	1,380	2,119	1,866
FHLMC MULTICLASS MTG 3201 SG	15.96	4.43	8/15/2036	1,316	192	210
FHLMC MULTICLASS MTG 3666 FC	101.31	2.80	5/15/2040	335	336	339
FHLMC MULTICLASS MTG 3808 SH	94.93	5.24	2/15/2041	361	371	342
FHLMC MULTICLASS MTG 3828 SY	109.29	6.98	2/15/2041	30	31	33
FHLMC MULTICLASS MTG 3848 WX	109.86	5.00	4/15/2041	1,500	1,726	1,648
FHLMC MULTICLASS MTG 4041 ES	137.67	13.63	8/15/2040	1,000	1,924	1,377
FHLMC MULTICLASS MTG 4192 EM	96.20	3.50	4/15/2043	125	123	120
FHLMC MULTICLASS MTG 4204 QP	93.00	3.00	5/15/2043	410	397	381
FHLMC MULTICLASS MTG 4268 DL	94.20	2.50	11/15/2028	2,150	2,141	2,025
FHLMC MULTICLASS MTG 4620 AF	100.20	2.35	11/15/2042	2,370	2,367	2,375
FHLMC MULTICLASS MTG K065 A1	98.77	2.86	10/25/2026	1,962	2,001	1,938
FIRST INVESTORS AUTO 1A C 144A	98.74	2.95	4/17/2023	505	505	499
FIRSTENERGY CORP	97.01	3.90	7/15/2027	1,300	1,296	1,261
FIVE GUYS FUNDING L 1A A2 144A	100.74	4.60	7/25/2047	214	214	215
FLAGSHIP CREDIT AUTO 4 B 144A	98.53	2.66	10/17/2022	550	550	542
FNMA POOL #0111049	100.37	9.00	11/1/2020	23	25	23
FNMA POOL #0111050	100.38	9.13	11/1/2020	10	11	10
FNMA POOL #0111052	100.31	9.38	12/1/2020	7	8	7
FNMA POOL #0468551	102.39	3.98	7/1/2021	2,500	2,501	2,560
FNMA POOL #0909230	102.99	4.50	9/1/2023	231	245	238
FNMA POOL #0AA8715	102.79	4.00	6/1/2039	1,006	1,051	1,034
FNMA POOL #0AB1152	102.67	4.00	6/1/2025	125	130	128
FNMA POOL #0AB9663	97.70	3.00	6/1/2043	2,276	2,206	2,223
FNMA POOL #0AD3117	102.66	4.00	4/1/2025	57	61	59
FNMA POOL #0AH1894	102.65	4.00	2/1/2026	148	155	152
FNMA POOL #0AH6827	102.72	4.00	3/1/2026	532	562	546
FNMA POOL #0AH8176	102.68	4.00	5/1/2026	585	618	601
FNMA POOL #0AH9537	102.75	4.00	5/1/2026	19	20	19
FNMA POOL #0AI9029	102.64	4.00	8/1/2026	38	40	39
FNMA POOL #0AJ3782	103.11	4.00	11/1/2041	7,454	7,778	7,686
FNMA POOL #0AJ4150	102.64	4.00	10/1/2026	106	112	108
FNMA POOL #0AK2411	103.12	4.00	2/1/2042	1,640	1,700	1,692
FNMA POOL #0AL1378	103.65	6.00	5/1/2024	176	195	182
FNMA POOL #0AL5548	105.30	3.84	5/1/2038	1,246	1,312	1,312
FNMA POOL #0AO1771	103.32	4.00	5/1/2042	911	945	942
FNMA POOL #0AT5096	96.93	3.00	4/1/2043	270	263	262
FNMA POOL #0BD0166	93.70	2.50	6/1/2046	1,326	1,270	1,243
FNMA POOL #0BE4485	104.88	4.50	12/1/2046	180	195	188
FNMA POOL #0BE8265	102.47	4.00	4/1/2047	3,145	3,326	3,223
FNMA POOL #0MA0535	102.68	4.00	10/1/2025	133	140	137
FNMA POOL #0MA0916	102.69	4.00	10/1/2026	88	93	91
FNMA POOL #0MA3305	99.67	3.50	2/1/2048	17,000	16,764	16,944
FNMA GTD REMIC P/T	12.72	4.01	10/25/2034	4,950	781	630
FNMA GTD REMIC P/T	12.91	4.01	9/25/2046	7,485	1,153	966
FNMA GTD REMIC P/T	13.00	4.01	11/25/2046	5,786	910	752
FNMA GTD REMIC P/T	13.24	4.01	4/25/2046	8,912	1,321	1,180
FNMA GTD REMIC P/T 03-W6 F	99.48	2.31	9/25/2042	183	174	182
FNMA GTD REMIC P/T 05-22 DG	102.54	6.81	4/25/2035	316	358	324
FNMA GTD REMIC P/T 06-115 ES	132.18	18.20	12/25/2036	399	661	528
FNMA GTD REMIC P/T 06-116 S	14.10	4.51	12/25/2036	453	61	64
FNMA GTD REMIC P/T 06-46 SK	123.31	16.53	6/25/2036	606	1,039	747

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FNMA GTD REMIC P/T 06-60 SJ	153.98	18.64	7/25/2036	1,523	2,754	2,345
FNMA GTD REMIC P/T 07-3 SH	12.17	3.98	2/25/2037	283	34	34
FNMA GTD REMIC P/T 07-39 PI	14.20	4.67	5/25/2037	303	41	43
FNMA GTD REMIC P/T 09-106 SL	9.74	4.16	1/25/2040	1,514	196	147
FNMA GTD REMIC P/T 09-106 SN	13.06	4.16	1/25/2040	2,363	349	309
FNMA GTD REMIC P/T 09-87 CS	13.61	4.06	11/25/2039	3,362	429	457
FNMA GTD REMIC P/T 10-67 FD	101.71	2.84	6/25/2040	127	127	129
FNMA GTD REMIC P/T 11-100 SH	100.27	5.72	11/25/2040	458	510	459
FNMA GTD REMIC P/T 11-40 SX	85.38	5.14	11/25/2040	6	6	5
FNMA GTD REMIC P/T 11-60 OA	90.70	-	8/25/2039	440	408	399
FNMA GTD REMIC P/T 11-86 NF	100.94	2.64	9/25/2041	358	359	362
FNMA GTD REMIC P/T 12-146 QA	89.73	1.00	1/25/2043	1,243	1,148	1,115
FNMA GTD REMIC P/T 12-148 HE	88.82	2.50	1/25/2043	250	212	222
FNMA GTD REMIC P/T 12-84 HM	86.28	2.50	8/25/2042	850	725	733
FNMA GTD REMIC P/T 13-14 ML	93.39	3.00	3/25/2043	1,000	977	934
FNMA GTD REMIC P/T 13-6 GY	85.29	2.00	2/25/2033	1,722	1,526	1,469
FNMA GTD REMIC P/T 15-55 KT	103.78	5.50	5/25/2041	686	696	712
FNMA GTD REMIC P/T 15-87 BF	100.17	2.39	12/25/2045	1,499	1,489	1,501
FNMA GTD REMIC P/T 16-26 KL	92.65	4.50	11/25/2042	398	398	369
FNMA GTD REMIC P/T 17-15 LK	100.69	4.00	3/25/2047	3,171	3,296	3,193
FORD CREDIT AUTO LEASE T A A2A	99.79	1.56	11/15/2019	625	625	624
FORD CREDIT AUTO LEASE T A A2B	100.00	2.21	11/15/2019	1,084	1,084	1,084
FORD MOTOR CREDIT CO LLC	100.02	2.94	1/8/2019	1,100	1,102	1,100
FORD MOTOR CREDIT CO LLC	100.45	3.19	8/12/2019	3,200	3,200	3,214
FORD MOTOR CREDIT CO LLC	107.09	8.13	1/15/2020	2,300	2,768	2,463
FREDDIE MAC STRUCTURED DNA1 M2	-	3.94	10/25/2027	-	-	-
GENERAL ELECTRIC CO	98.50	0.05	12/31/2049	1,400	1,380	1,379
GENERAL MOTORS FINANCIAL CO IN	99.53	3.20	7/13/2020	2,500	2,499	2,488
GLS AUTO RECEIVABLES 1A A 144A	99.42	2.82	7/15/2022	905	905	900
GNMA POOL #0427475	100.00	7.88	6/15/2029	5,132	5,239	5,132
GNMA POOL #0550657	109.21	5.50	9/15/2035	5,771	5,754	6,302
GNMA POOL #0569159	113.67	6.50	3/15/2032	433	456	492
GNMA POOL #0569684	110.36	6.00	2/15/2032	286	301	315
GNMA POOL #0569704	110.48	6.00	2/15/2032	609	643	673
GNMA POOL #0570518	110.02	6.00	1/15/2032	384	406	423
GNMA POOL #0574466	110.28	6.50	3/15/2032	184	193	203
GNMA POOL #0587074	111.28	6.00	5/15/2032	480	502	534
GNMA POOL #0606774	107.79	5.50	4/15/2033	14	16	15
GNMA POOL #0616263	108.64	5.50	2/15/2034	21	24	23
GNMA POOL #0645500	109.28	5.50	10/15/2035	18	20	20
GNMA POOL #0648388	109.22	5.50	11/15/2035	35	38	38
GNMA POOL #0651788	109.21	5.50	4/15/2036	4,411	4,332	4,817
GNMA POOL #0651789	109.22	5.50	4/15/2036	2,753	2,705	3,007
GNMA POOL #0651940	108.60	5.50	5/15/2036	1,520	1,486	1,651
GNMA POOL #0674165	109.08	5.50	8/15/2038	51	56	56
GNMA POOL #0732521	107.76	5.50	7/15/2040	129	142	139
GNMA POOL #0782570	107.81	5.50	2/15/2039	51	57	55
GNMA POOL #0AK8998	97.93	3.00	7/15/2045	203	206	199
GNMA POOL #0AU1958	94.75	2.50	10/15/2046	893	862	846
GNMA GTD REMIC P/T 04-47 PD	111.16	6.00	6/16/2034	753	918	837
GNMA GTD REMIC P/T 11-H05 FB	100.36	2.42	12/20/2060	365	366	367
GNMA GTD REMIC P/T 12-46 IO	2.01	0.49	9/16/2053	599	24	12
GNMA GTD REMIC P/T 12-85 IO	4.32	0.81	9/16/2052	20,736	987	896
GNMA GTD REMIC P/T 12-H24 HI	3.53	1.17	10/20/2062	2,877	157	102
GNMA GTD REMIC P/T 13-173 AI	3.49	0.96	10/16/2053	2,715	156	95
GNMA GTD REMIC P/T 13-H10 FS	102.19	2.92	4/20/2063	879	894	898

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GNMA GTD REMIC P/T 14-112 IO	5.51	1.01	1/16/2048	2,944	197	162
GNMA GTD REMIC P/T 14-H20 HI	5.87	1.20	10/20/2064	3,550	314	208
GNMA GTD REMIC P/T 15-120 IO	6.13	0.88	3/16/2057	24,918	1,662	1,528
GNMA GTD REMIC P/T 15-146 IB	5.68	0.85	7/16/2055	10,319	667	586
GNMA GTD REMIC P/T 15-189 IG	6.67	0.93	1/16/2057	9,585	693	639
GNMA GTD REMIC P/T 15-21 IO	6.51	1.03	7/16/2056	3,697	253	241
GNMA GTD REMIC P/T 15-32 IO	5.78	0.84	9/16/2049	11,918	775	689
GNMA GTD REMIC P/T 15-6 IO	5.55	0.72	2/16/2051	11,930	645	662
GNMA GTD REMIC P/T 15-H09 FA	100.60	2.54	4/20/2065	16,952	16,930	17,054
GNMA GTD REMIC P/T 15-H11 FC	100.33	2.47	5/20/2065	8,357	8,311	8,385
GNMA GTD REMIC P/T 15-H12 FB	100.50	2.52	5/20/2065	8,733	8,714	8,777
GNMA GTD REMIC P/T 15-H14 AI	100.40	2.49	6/20/2065	13,482	13,411	13,536
GNMA GTD REMIC P/T 15-H14 BI	100.15	2.35	5/20/2065	8,404	8,392	8,417
GNMA GTD REMIC P/T 15-H15 FB	100.53	2.52	6/20/2065	10,706	10,687	10,762
GNMA GTD REMIC P/T 15-H15 FC	100.48	2.50	6/20/2065	6,091	6,074	6,120
GNMA GTD REMIC P/T 15-H16 FM	100.54	2.52	7/20/2065	8,488	8,475	8,534
GNMA GTD REMIC P/T 15-H20 FB	100.54	2.52	8/20/2065	2,017	2,012	2,028
GNMA GTD REMIC P/T 15-H28 JZ	102.57	5.02	3/20/2065	341	378	350
GNMA GTD REMIC P/T 16-143 IO	7.97	0.98	10/16/2056	7,266	607	579
GNMA GTD REMIC P/T 16-17 GT	96.54	5.00	8/20/2045	500	496	483
GNMA GTD REMIC P/T 16-H01 AI	8.50	1.27	1/20/2066	4,619	510	393
GNMA GTD REMIC P/T 16-H04 AF	101.81	4.54	7/20/2062	556	595	566
GNMA GTD REMIC P/T 16-H09 JI	9.47	2.09	4/20/2066	8,518	1,080	807
GNMA GTD REMIC P/T 16-H11 F	101.43	2.72	5/20/2066	2,070	2,064	2,099
GNMA GTD REMIC P/T 16-H15 FA	101.40	2.72	7/20/2066	2,675	2,668	2,712
GNMA GTD REMIC P/T 16-H18 FA	101.25	2.67	8/20/2066	2,235	2,224	2,263
GNMA GTD REMIC P/T 16-H19 FE	100.06	2.29	6/20/2061	633	633	634
GNMA GTD REMIC P/T 16-H19 JZ	102.04	4.59	9/20/2063	542	601	553
GNMA GTD REMIC P/T 17-H09 FG	100.33	2.39	3/20/2067	1,155	1,155	1,159
GNMA GTD REMIC P/T 17-H12 EZ	105.50	5.29	6/20/2066	530	596	559
GNMA GTD REMIC P/T 17-H13 JZ	103.58	5.12	5/20/2067	578	624	599
GNMA GTD REMIC P/T 17-H16 KF	101.64	2.67	8/20/2067	2,174	2,196	2,209
GNMA GTD REMIC P/T 18-2 IO	7.08	0.77	12/16/2059	8,033	597	568
GNMA II POOL #0771803	104.60	4.69	2/20/2064	591	635	618
GNMA II POOL #0AE0495	105.52	4.67	7/20/2064	111	121	117
GNMA II POOL #0AF7371	104.85	4.67	5/20/2064	103	114	108
GNMA II POOL #0AF7384	106.41	4.69	5/20/2064	1,725	1,864	1,835
GNMA II POOL #0AH1050	107.12	4.23	3/20/2065	143	152	154
GNMA II POOL #0AH1398	105.07	4.51	2/20/2065	1,582	1,712	1,662
GNMA II POOL #0AH4638	105.81	4.66	7/20/2064	103	112	109
GNMA II POOL #0AK0890	103.75	4.64	3/20/2065	1,197	1,320	1,242
GNMA II POOL #0AL7419	105.21	4.57	2/20/2065	56	62	59
GNMA II POOL #0AO4597	105.93	4.57	7/20/2065	2,807	3,112	2,974
GNMA II POOL #0AQ2213	106.30	4.04	9/20/2065	416	434	442
GNMA II POOL #0AY7906	105.97	4.50	12/20/2066	865	949	917
GNMA II POOL #0AZ7176	105.56	4.45	3/20/2067	1,480	1,623	1,563
GNMA II POOL #0AZ7262	106.45	4.53	4/20/2067	2,552	2,827	2,716
GNMA II POOL #0AZ9176	106.93	4.65	3/20/2067	1,465	1,630	1,566
GNMA II POOL #0BA7671	105.57	4.55	4/20/2067	294	321	310
GNMA II POOL #0BB9559	105.54	4.56	6/20/2067	305	333	322
GNMA II POOL #0BC0779	106.75	4.60	7/20/2067	2,013	2,228	2,148
GNMA II POOL #0BC1861	106.86	4.56	7/20/2067	217	238	232
GOLDEN CREDIT CARD T 1A A 144A	100.14	2.47	2/15/2021	2,300	2,300	2,303
GOLDMAN SACHS GROUP INC/THE	101.30	3.52	4/23/2020	5,500	5,561	5,571
GOLDMAN SACHS GROUP INC/THE	103.57	5.38	3/15/2020	4,800	5,405	4,972
GOVERNMENT NATL MTG ASSN GTD R	5.15	0.80	11/16/2055	7,336	454	378

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GOVERNMENT NATL MTG ASSN GTD R	99.63	2.15	5/20/2065	994	983	990
GS MORTGAGE SECURITIES GC20 A5	-	4.00	4/10/2047	-	-	-
GSAMP TRUST 2004-FM2 FM2 M1	98.48	2.84	1/25/2034	1,835	1,819	1,807
GSR MORTGAGE LOAN TRUS AR6 2A1	101.88	3.68	9/25/2035	564	532	575
HALCYON LOAN ADVISO 3A AR 144A	100.02	3.46	10/22/2025	1,400	1,400	1,400
HARBORVIEW MORTGAGE LOA 9 2A1A	97.97	2.42	6/20/2035	1,635	1,588	1,602
HCA INC	100.75	4.25	10/15/2019	1,000	1,023	1,008
HEALTHCARE REALTY TRUST INC	97.55	3.88	5/1/2025	1,200	1,199	1,171
HOLMES MASTER ISSUE 1A A2 144A	-	2.71	10/15/2054	-	-	-
HOST HOTELS & RESORTS LP	97.49	3.88	4/1/2024	2,700	2,689	2,632
HSBC HOLDINGS PLC	99.96	3.40	3/8/2021	2,300	2,366	2,299
HSI ASSET SECURITIZAT OPT3 3A3	99.58	2.27	2/25/2036	2,985	2,870	2,973
HYUNDAI AUTO LEASE B A2B 144A	100.07	2.35	12/16/2019	987	987	988
ING GROEP NV	101.69	3.45	3/29/2022	2,000	2,000	2,034
INTERNATIONAL LEASE FINANCE CO	110.08	8.25	12/15/2020	1,600	1,876	1,761
INVITATION HOMES 2 SFR2 A 144A	99.94	2.97	6/17/2037	329	329	329
IPALCO ENTERPRISES INC	99.57	3.45	7/15/2020	2,000	1,999	1,991
IRS P US0003M R 2.75% 12/11/24	2.09	-	12/9/2019	(9,900)	(108)	(207)
IRS P US0003M R 2.945% 12/11/4	6.54	-	12/9/2019	2,200	106	144
IRS P USD 30Y 97BPS R 2.94%	2.21	-	8/20/2018	1,600	156	35
IRS P USD 30Y 98BPS R 2.905%	2.66	-	8/20/2018	4,900	483	130
IRS P USD 5Y 22BPS R 2.8%	0.74	-	8/20/2018	(28,500)	(636)	(210)
JAPAN BANK FOR INTERNATIONAL C	96.91	2.88	7/21/2027	1,700	1,685	1,648
JAPAN INTERNATIONAL COOPERATIO	95.38	2.75	4/27/2027	3,700	3,681	3,529
JAPAN TOBACCO INC REGS	96.61	2.00	4/13/2021	2,200	2,163	2,125
JMP CREDIT ADVISORS 1RA A 144A	100.02	3.20	1/17/2028	1,000	1,000	1,000
JP MORGAN CHASE COM C3 A3 144A	100.39	4.39	2/15/2046	12	12	12
JP MORGAN CHASE COM C4 A3 144A	99.90	4.11	7/15/2046	512	517	511
JP MORGAN CHASE COM LAQ A 144A	100.15	3.07	6/15/2032	1,000	1,000	1,002
JP MORGAN CHASE COM SGP D 144A	100.88	6.57	7/15/2036	805	805	812
JP MORGAN MORTGAGE 4 AX1 144A	-	0.47	11/25/2048	-	-	-
JP MORGAN MORTGAGE ACQ WMC1 A1	99.98	2.27	3/25/2036	301	298	301
JP MORGAN MORTGAGE TRUS A1 7A1	100.46	3.94	7/25/2035	146	137	146
JPMBB COMMERCIAL MORTG C32 ASB	99.89	3.36	11/15/2048	3,100	3,193	3,097
JPMORGAN CHASE & CO	97.43	2.40	6/7/2021	3,200	3,195	3,118
JPMORGAN CHASE & CO	102.78	3.78	3/1/2021	2,900	2,900	2,981
JPMORGAN CHASE BANK NA	99.77	3.09	4/26/2021	4,000	3,998	3,991
JPN 10YR BOND FUTURE (OSE)	1.36	-	9/12/2018	(0)	-	(7)
KENNEDY WILSON EUROPE REA REGS	137.50	3.95	6/30/2022	1,600	2,105	2,200
KERR-MCGEE CORP	113.46	6.95	7/1/2024	900	1,063	1,021
KEURIG DR PEPPER INC 144A	100.24	4.06	5/25/2023	1,700	1,700	1,704
KEYBANK NA/CLEVELAND OH	100.15	3.35	6/15/2021	2,100	2,100	2,103
KOMATSU FINANCE AMERICA I REGS	95.97	2.44	9/11/2022	1,500	1,467	1,440
LENDMARK FUNDING TRU 1A A 144A	99.00	2.83	12/22/2025	505	505	500
LENDMARK FUNDING TRU 2A A 144A	98.69	2.80	5/20/2026	280	280	276
LLOYDS BANK PLC	98.74	2.40	3/17/2020	1,000	989	987
LLOYDS BANKING GROUP PLC	73.45	4.00	3/7/2025	1,800	1,396	1,322
LLOYDS BANKING GROUP PLC	97.40	3.00	1/11/2022	500	506	487
LLOYDS BANKING GROUP PLC REGS	128.18	2.25	10/16/2024	800	1,115	1,025
LOOMIS SAYLES CLO 2A A1R 144A	99.88	3.25	4/15/2028	1,400	1,400	1,398
MAPS 2018-1 LTD 1A A 144A	100.41	4.21	5/15/2043	247	247	248
MARINER FINANCE ISSU BA A 144A	98.54	2.92	12/20/2029	655	655	645
MERRILL LYNCH MORTGAGE IN 3 4A	96.78	2.34	11/25/2035	116	107	112
MERRILL LYNCH MORTGAGE IN D A1	99.76	2.75	9/25/2029	144	135	143
METROPOLITAN LIFE GLOBAL 144A	97.07	3.45	12/18/2026	2,200	2,199	2,135
MICROCHIP TECHNOLOGY INC 144A	100.17	3.92	6/1/2021	1,400	1,400	1,402

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MILL CITY MORTGAGE L 1 A1 144A	98.11	2.50	4/25/2057	108	108	106
MITSUBISHI UFJ FINANCIAL GROUP	99.14	3.46	3/2/2023	2,100	2,100	2,082
MIZUHO FINANCIAL GROUP INC	99.23	3.55	3/5/2023	1,700	1,700	1,687
MOODY'S CORP	95.79	2.63	1/15/2023	1,400	1,397	1,341
MORGAN STANLEY	93.02	3.13	7/27/2026	2,500	2,483	2,326
MORGAN STANLEY	97.67	2.50	4/21/2021	2,300	2,292	2,246
MORGAN STANLEY	100.30	3.16	2/14/2020	2,300	2,300	2,307
MORGAN STANLEY ABS CAPI HE2 M1	99.56	2.69	1/25/2035	4,251	4,043	4,232
MORGAN STANLEY BANK OF C24 ASB	-	3.48	5/15/2048	-	-	-
MORGAN STANLEY CA ALTM A2 144A	98.04	3.83	2/5/2035	575	564	564
MORGAN STANLEY CAPI CPT B 144A	99.36	3.56	7/13/2029	2,000	2,105	1,987
MORGAN STANLEY CAPITA UB12 ASB	99.58	3.44	12/15/2049	2,600	2,678	2,589
MOUNTAIN VIEW CLO 10A AR 144A	99.63	3.16	10/13/2027	1,000	1,000	996
MRFC MORTGAGE PASS-THR TBC2 A1	96.02	2.55	6/15/2030	1,588	1,514	1,525
MRFC MORTGAGE PASS-THR TBC3 A1	96.85	2.51	12/15/2030	55	52	54
NATIONAL ARCHIVES FACILITY TRU	103.73	8.50	9/1/2019	600	758	623
NATIONAL AUSTRALIA BANK L 144A	97.79	2.25	3/16/2021	2,200	2,199	2,151
NELNET STUDENT LOAN 1A A 144A	101.10	3.13	11/25/2048	419	424	423
NELNET STUDENT LOAN 3A A 144A	100.98	3.14	7/27/2048	643	651	650
NELNET STUDENT LOAN TRUST 4 A4	100.55	3.84	4/25/2024	68	68	68
NEXTERA ENERGY CAPITAL HOLDING	93.29	4.80	12/1/2077	1,820	1,826	1,698
NEXTERA ENERGY CAPITAL HOLDING	96.12	3.55	5/1/2027	2,300	2,293	2,211
NEXTERA ENERGY CAPITAL HOLDING	99.79	3.63	6/15/2023	1,300	1,320	1,297
NEXTERA ENERGY CAPITAL HOLDING	100.19	2.64	9/3/2019	1,900	1,898	1,904
NEXTGEAR FLOORPLAN 1A A1 144A	100.15	2.71	2/15/2023	345	345	346
NORDEA BANK AB 144A	96.87	2.25	5/27/2021	2,800	2,791	2,712
NORFOLK SOUTHERN RAILWAY CO	112.56	9.75	6/15/2020	1,200	1,391	1,351
NOVASTAR MORTGAGE FUNDING 3 M1	99.74	2.63	1/25/2036	2,739	2,512	2,731
NTT FINANCE CORP REGS	95.86	1.90	7/21/2021	1,400	1,361	1,342
NYKREDIT REALKREDIT A/S	15.63	2.00	7/1/2018	37,200	5,591	5,816
OBP DEPOSITOR LLC T OBP A 144A	102.48	4.65	7/15/2045	2,450	2,538	2,511
ODEBRECHT DRILLING NORBE 144A	49.02	7.35	12/1/2026	596	261	292
ODEBRECHT DRILLING NORBE 144A	94.00	6.35	12/1/2021	341	336	320
ODEBRECHT OIL & GAS FINAN 144A	1.23	-	12/31/2049	322	8	4
OMEGA HEALTHCARE INVESTORS INC	97.71	4.50	1/15/2025	2,300	2,289	2,247
OMEGA HEALTHCARE INVESTORS INC	99.28	4.38	8/1/2023	2,300	2,294	2,284
ONCOR ELECTRIC DELIVERY CO LLC	102.49	4.10	6/1/2022	1,400	1,432	1,435
ONEMAIN FINANCIAL IS 2A B 144A	101.08	5.94	3/20/2028	1,000	1,000	1,011
ONTARIO TEACHERS' CADILLA 144A	98.68	3.13	3/20/2022	2,000	2,014	1,974
ORANGE LAKE TIMESHARE A A 144A	99.02	3.10	11/8/2030	506	506	501
OWENS CORNING	91.18	3.40	8/15/2026	1,900	1,735	1,732
PATRONS' LEGACY	97.74	5.65	12/17/2053	8,660	8,576	8,464
PATRONS' LEGACY 144A	94.86	5.78	12/23/2063	7,201	7,057	6,831
PENNSYLVANIA HIGHER EDUCA 1 A1	100.27	1.54	7/25/2029	1,281	1,284	1,284
PHILIP MORRIS INTERNATIONAL IN	95.70	2.38	8/17/2022	2,900	2,887	2,775
PRESTIGE AUTO RECEI 2A A2 144A	99.82	1.46	7/15/2020	564	564	563
PROGRESS RESIDENTI SFR3 D 144A	101.19	4.67	11/12/2032	380	380	385
PROLOGIS LP	100.06	3.88	9/15/2028	1,600	1,589	1,601
PUBLIC SERVICE CO OF COLORADO	95.84	2.25	9/15/2022	3,002	2,880	2,877
PUBLIC SERVICE CO OF OKLAHOMA	102.95	4.40	2/1/2021	1,500	1,541	1,544
RECKSON OPERATING PARTNERSHIP	106.84	7.75	3/15/2020	2,700	2,740	2,885
RENAISSANCE HOME EQUITY L 4 A1	99.18	2.61	3/25/2034	446	413	442
RESIDENTIAL ASSET SECUR A7 A10	99.80	3.48	7/25/2033	109	105	108
RMAC SECURITIES NS1X A2A REGS	127.68	0.78	6/12/2044	1,652	2,366	2,109
ROYAL BANK OF SCOTLAND GROUP P	100.07	4.52	6/25/2024	1,700	1,700	1,701
SABINE PASS LIQUEFACTION LLC	104.51	5.63	2/1/2021	1,295	1,384	1,353

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SALESFORCE.COM INC	99.41	3.25	4/11/2023	1,700	1,699	1,690
SANTANDER DRIVE AUTO RECE 1 A2	99.94	1.49	2/18/2020	67	67	67
SANTANDER DRIVE AUTO RECEI 1 C	99.02	2.96	3/15/2024	345	345	342
SANTANDER DRIVE AUTO RECEI 3 C	99.11	2.76	12/15/2022	595	595	590
SANTANDER DRIVE AUTO RECEI 3 D	100.16	4.07	8/15/2024	275	275	275
SANTANDER HOLDINGS USA INC	-	2.70	5/24/2019	-	-	-
SANTANDER UK GROUP HOLDINGS PL	96.87	2.88	8/5/2021	900	883	872
SANTANDER UK GROUP HOLDINGS PL	98.56	2.88	10/16/2020	1,400	1,390	1,380
SANTANDER UK PLC	99.94	3.40	6/1/2021	1,700	1,697	1,699
SBA TOWER TRUST 144A	97.14	2.88	7/10/2046	1,300	1,315	1,263
SCF EQUIPMENT LEASIN 1A B 144A	100.62	3.97	12/20/2025	385	385	387
SECURIAN FINANCIAL GROUP 144A	99.50	4.80	4/15/2048	175	174	174
SEQUOIA MORTGAGE T CH2 A1 144A	100.71	4.00	12/25/2047	214	219	215
SEQUOIA MORTGAGE TRUST 2 3 1A1	95.34	2.28	7/20/2036	971	790	925
SEQUOIA MORTGAGE TRUST 20 2 A1	96.54	2.30	3/20/2035	2,984	2,772	2,881
SHIRE ACQUISITIONS INVESTMENTS	94.08	2.88	9/23/2023	1,100	1,058	1,035
SHIRE ACQUISITIONS INVESTMENTS	98.43	1.90	9/23/2019	2,000	1,998	1,969
SL GREEN REALTY CORP	101.59	4.50	12/1/2022	2,400	2,400	2,438
SLC STUDENT LOAN TRUST 20 1 A5	99.66	2.45	3/15/2027	999	994	995
SLM PRIVATE CREDIT STUDEN A A3	99.97	5.55	6/15/2032	352	352	352
SLM PRIVATE CREDIT STUDEN B A4	99.97	3.18	3/15/2033	100	98	100
SLM STUDENT LOAN TRUST 10 A5A	99.89	2.46	4/25/2027	413	412	413
SLM STUDENT LOAN TRUST 20 2 A3	99.75	3.11	4/25/2023	695	690	693
SLM STUDENT LOAN TRUST 20 2 A3	99.85	2.40	1/25/2019	360	359	359
SLM STUDENT LOAN TRUST 20 2 A5	116.61	-	1/25/2024	191	229	223
SLM STUDENT LOAN TRUST 20 3 A3	99.74	2.40	4/25/2019	820	817	818
SLM STUDENT LOAN TRUST 20 6 A3	99.95	2.47	10/27/2025	1,182	1,181	1,181
SLM STUDENT LOAN TRUST 20 7 A4	99.53	2.51	10/25/2029	3,155	3,129	3,140
SOFI PROFESSIONAL L B A2B 144A	98.71	2.74	10/25/2032	377	377	372
SOFI PROFESSIONAL LO B A1 144A	101.02	3.34	8/25/2032	151	152	153
SOUTH CAROLINA ST STUDENT LOAN	99.96	2.44	12/1/2023	630	629	630
SPRINT SPECTRUM CO LLC / 144A	99.23	4.74	9/20/2029	1,200	1,200	1,191
STADSHYPOTEK AB 144A	97.61	2.50	4/5/2022	4,600	4,595	4,490
STARBUCKS CORP	95.17	4.30	6/15/2045	2,700	2,689	2,570
STARBUCKS CORP	97.16	2.70	6/15/2022	2,100	2,100	2,040
STARWOOD RETAIL PR STAR C 144A	98.94	4.57	11/15/2027	750	739	742
STATE STREET CORP	101.50	3.23	8/18/2020	5,000	5,000	5,075
STRUCTURED ADJUSTABLE R 12 7A1	101.41	3.69	9/25/2034	1,045	1,050	1,060
STRUCTURED ADJUSTABLE RA 12 9A	101.25	3.71	9/25/2034	2,478	2,480	2,509
SUMITOMO MITSUI BANKING CORP	100.16	3.03	10/19/2018	4,000	4,000	4,006
SUMITOMO MITSUI TRUST BAN 144A	100.17	2.82	3/6/2019	1,300	1,300	1,302
SUNOCO LOGISTICS PARTNERS OPER	103.00	5.50	2/15/2020	400	417	412
SUNOCO LOGISTICS PARTNERS OPER	106.53	5.95	12/1/2025	2,000	2,225	2,131
SYNCHRONY BANK	100.06	3.65	5/24/2021	1,800	1,799	1,801
TEVA PHARMACEUTICAL FINAN REGS	113.69	0.38	7/25/2020	1,200	1,415	1,364
THARALDSON HOTEL PO THL A 144A	99.95	2.80	11/11/2034	1,300	1,299	1,299
TIDEWATER AUTO RECE AA A2 144A	99.96	3.12	7/15/2022	245	245	245
TIDEWATER SALES FINA AA A 144A	99.95	4.55	4/15/2021	530	530	530
TOKYO METROPOLITAN GOVERN 144A	96.56	2.00	5/17/2021	2,300	2,292	2,221
TOWD POINT MORTGAGE 3 A1 144A	-	2.25	4/25/2056	-	-	-
TOYOTA MOTOR CREDIT CORP	99.49	2.95	4/13/2021	1,700	1,699	1,691
TRILLIUM CREDIT CARD 1A A 144A	100.01	2.35	2/27/2023	1,000	1,000	1,000
TTX CO 144A	98.62	2.60	6/15/2020	1,700	1,700	1,677
TYSON FOODS INC	100.13	2.77	5/30/2019	600	600	601
U S TREASURY BOND	91.18	2.50	2/15/2045	33,800	30,381	30,817
U S TREASURY BOND	96.20	2.75	11/15/2042	8,600	8,571	8,273

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U S TREASURY BOND	96.23	2.75	8/15/2042	200	208	192
U S TREASURY BOND	98.26	2.88	5/15/2043	9,700	9,870	9,531
U S TREASURY BOND	100.34	3.00	2/15/2048	4,800	4,733	4,816
U S TREASURY BOND	111.47	3.63	8/15/2043	6,100	7,062	6,800
U S TREASURY NOTE	95.18	2.25	8/15/2027	30	29	29
U S TREASURY NOTE	95.82	1.75	1/31/2023	4,300	4,226	4,120
U S TREASURY NOTE	96.13	2.13	9/30/2024	16,300	15,864	15,670
U S TREASURY NOTE	96.18	1.75	9/30/2022	2,000	1,992	1,924
U S TREASURY NOTE	96.74	1.88	8/31/2022	16,800	16,257	16,252
U S TREASURY NOTE	96.81	1.88	7/31/2022	3,600	3,587	3,485
U S TREASURY NOTE	97.04	1.88	4/30/2022	940	944	912
U S TREASURY NOTE	97.10	2.00	10/31/2022	1,700	1,660	1,651
U S TREASURY NOTE	97.30	2.25	1/31/2024	400	399	389
UBS AG/STAMFORD CT	100.87	3.15	6/1/2020	3,100	3,100	3,127
UBS AG/STAMFORD CT	110.39	7.63	8/17/2022	1,500	1,725	1,656
UBS GROUP FUNDING SWITZER 144A	95.71	2.86	8/15/2023	2,100	2,064	2,010
UBS GROUP FUNDING SWITZER 144A	98.47	3.00	4/15/2021	2,400	2,398	2,363
UDR INC	94.38	3.50	1/15/2028	1,700	1,693	1,604
US 10YR NOTE FUTURE (CBT)	120.19	-	9/19/2018	1	-	519
US 10YR NOTE FUTURE SEP 18	18.75	-	7/27/2018	(0)	(12)	(11)
US 10YR ULTRA FUTURE (CBT)	128.23	-	9/19/2018	(0)	-	1
US 5YR TREAS NTS FUTURE (CBT)	113.62	-	9/28/2018	1	-	220
US LONG BOND FUTURE (CBT)	145.00	-	9/19/2018	(0)	-	(960)
UTAH STATE BOARD OF REGENT 1 A	100.21	1.52	1/25/2057	1,348	1,341	1,350
VENTURE XII CLO L 12A ARR 144A	99.58	3.12	2/28/2026	1,000	1,000	996
VERIZON COMMUNICATIONS INC	95.73	3.38	2/15/2025	5,429	5,249	5,197
VESTEDA FINANCE BV REGS	124.75	2.50	10/27/2022	3,000	3,629	3,743
VIBRANT CLO II LT 2A A1BR 144A	100.08	3.26	7/24/2024	961	961	962
VMWARE INC	97.90	2.30	8/21/2020	2,100	2,085	2,056
VOLKSWAGEN GROUP OF AMERI 144A	98.37	2.40	5/22/2020	600	592	590
WAHA AEROSPACE BV 144A	100.29	3.93	7/28/2020	550	550	552
WAMU MORTGAGE PASS-TH AR14 2A1	92.60	3.48	12/25/2035	233	212	216
WAMU MORTGAGE PASS-THROU AR6 A	100.79	2.51	5/25/2044	647	606	652
WASHINGTON PRIME GROUP LP	96.38	5.95	8/15/2024	2,900	2,856	2,795
WAVE 2017-1 TRUST 1A A 144A	99.23	3.84	11/15/2042	564	564	559
WELLS FARGO & CO	96.09	2.10	7/26/2021	1,500	1,486	1,441
WELLS FARGO & CO	102.03	3.59	10/31/2023	4,000	4,000	4,081
WELLS FARGO COMMERCIAL LC25 ASB	99.81	3.49	12/15/2059	2,700	2,781	2,695
WELLS FARGO COMMERCIAL C36 ASB	97.27	2.93	11/15/2059	3,800	3,914	3,696
WELLS FARGO MORTGAGE AR10 2A1	102.76	3.91	6/25/2035	156	152	160
WELLS FARGO MORTGAGE AR11 1A1	101.17	3.70	6/25/2035	694	698	703
WELLS FARGO MORTGAGE AR12 1A1	102.01	3.90	5/25/2035	2,218	2,256	2,263
WELLS FARGO MORTGAGE B AR8 2A1	102.47	3.91	6/25/2035	240	227	246
WELLTOWER INC	59.42	-		22	1,100	1,307
WELLTOWER INC	98.07	4.00	6/1/2025	3,300	3,298	3,236
WESTLAKE AUTOMOBILE 1A C 144A	99.13	2.92	5/15/2023	215	215	213
WFRBS COMMERCIAL MORTGA C20 A5	-	4.00	5/15/2047	-	-	-
YARA INTERNATIONAL ASA 144A	100.53	4.75	6/1/2028	2,200	2,194	2,212
Core Fixed Income				1,314,442	\$ 1,134,048	\$ 1,127,626
Core Fixed Income Receivable						4,940
Total Core Fixed Income						\$ 1,132,566

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Emerging Markets Debt						
AMBER CIRCLE FUNDING LTD REGS	97.92	3.25	12/4/2022	1,260	\$ 1,256	\$ 1,234
ANGOLAN GOVERNMENT INTERN 144A	100.04	8.25	5/9/2028	1,186	1,186	1,186
ANGOLAN GOVERNMENT INTERN 144A	100.84	9.38	5/8/2048	698	698	704
ANGOLAN GOVERNMENT INTERN REGS	109.06	9.50	11/12/2025	1,020	1,011	1,112
ARGENTINE REPUBLIC GOVERNMENT	56.70	2.50	12/31/2038	3,070	1,937	1,741
ARGENTINE REPUBLIC GOVERNMENT	74.85	6.88	1/11/2048	2,464	2,340	1,844
ARGENTINE REPUBLIC GOVERNMENT	81.25	5.88	1/11/2028	1,559	1,545	1,267
ARGENTINE REPUBLIC GOVERNMENT	89.75	8.28	12/31/2033	351	383	315
ARGENTINE REPUBLIC GOVERNMENT	92.25	7.50	4/22/2026	1,921	2,090	1,772
ARGENTINE REPUBLIC GOVERNMENT	93.50	8.28	12/31/2033	771	841	721
ARGENTINE REPUBLIC GOVERNMENT	98.50	6.88	4/22/2021	1,293	1,393	1,274
AXIATA SPV1 LABUAN LTD REGS	103.07	5.38	4/28/2020	540	592	557
BANCO DE COSTA RICA REGS	99.75	5.25	8/12/2018	410	418	409
BANCO DEL ESTADO DE CHILE REGS	99.61	3.88	2/8/2022	540	550	538
BANCO DO BRASIL SA/CAYMAN REGS	78.25	6.25	12/31/2049	1,595	1,258	1,248
BANCO DO BRASIL SA/CAYMAN REGS	96.22	9.00	12/31/2049	1,295	1,281	1,246
BANCO DO BRASIL SA/CAYMAN REGS	98.75	9.25	12/31/2049	295	308	291
BANCO NACIONAL DE COSTA R REGS	101.53	6.25	11/1/2023	870	851	883
BANCO NACIONAL DE DESENV REGS	93.85	4.75	5/9/2024	629	625	590
BANCO NACIONAL DE DESENV REGS	102.59	6.50	6/10/2019	750	775	769
BRAZILIAN GOVERNMENT INTERNATI	79.15	5.00	1/27/2045	993	791	786
BRAZILIAN GOVERNMENT INTERNATI	84.85	5.63	2/21/2047	784	756	665
BRAZILIAN GOVERNMENT INTERNATI	86.85	5.63	1/7/2041	420	372	365
BRAZILIAN GOVERNMENT INTERNATI	90.25	4.63	1/13/2028	1,079	1,075	974
BRAZILIAN GOVERNMENT INTERNATI	91.00	2.63	1/5/2023	800	666	728
BRAZILIAN GOVERNMENT INTERNATI	94.50	4.25	1/7/2025	1,220	1,096	1,153
BRAZILIAN GOVERNMENT INTERNATI	102.20	6.00	4/7/2026	652	680	666
BRAZILIAN GOVERNMENT INTERNATI	105.25	7.13	1/20/2037	750	774	789
BRAZILIAN GOVERNMENT INTERNATI	114.05	8.25	1/20/2034	560	628	639
CEDC FINANCE CORP INTERNA 144A	79.00	10.00	12/31/2022	335	325	265
CHILE GOVERNMENT INTERNATIONAL	95.45	3.24	2/6/2028	345	345	329
CHINA EVERGRANDE GROUP REGS	89.36	7.50	6/28/2023	940	871	840
CHINA RAILWAY RESOURCES H REGS	99.28	3.85	2/5/2023	790	800	784
COLOMBIA GOVERNMENT INTERNATIO	96.70	3.88	4/25/2027	898	885	868
COLOMBIA GOVERNMENT INTERNATIO	98.38	5.00	6/15/2045	944	823	929
COLOMBIA GOVERNMENT INTERNATIO	99.90	4.00	2/26/2024	870	848	869
COLOMBIA GOVERNMENT INTERNATIO	106.25	5.63	2/26/2044	1,041	1,010	1,106
COLOMBIA GOVERNMENT INTERNATIO	112.00	6.13	1/18/2041	1,225	1,253	1,372
COLOMBIA GOVERNMENT INTERNATIO	120.00	8.13	5/21/2024	1,110	1,364	1,332
COLOMBIA GOVERNMENT INTERNATIO	124.50	7.38	9/18/2037	771	899	960
COMISION FEDERAL DE ELECT REGS	97.75	5.75	2/14/2042	920	854	899
COMISION FEDERAL DE ELECT REGS	100.50	4.88	1/15/2024	780	788	784
CORP NACIONAL DEL COBRE D REGS	94.88	4.25	7/17/2042	689	662	654
CORP NACIONAL DEL COBRE D REGS	97.16	4.50	8/1/2047	980	1,015	952
CORP NACIONAL DEL COBRE D REGS	102.62	4.88	11/4/2044	1,443	1,309	1,481
CORP NACIONAL DEL COBRE D REGS	112.37	5.63	10/18/2043	1,021	1,124	1,147
COSTA RICA GOVERNMENT INT REGS	84.59	5.63	4/30/2043	380	341	321
COSTA RICA GOVERNMENT INT REGS	94.63	4.25	1/26/2023	670	629	634
CROATIA GOVERNMENT INTERN REGS	105.15	6.63	7/14/2020	1,560	1,714	1,640
CROATIA GOVERNMENT INTERN REGS	105.92	6.38	3/24/2021	1,410	1,549	1,493
CROATIA GOVERNMENT INTERN REGS	107.45	6.00	1/26/2024	1,810	1,972	1,945
CSN ISLANDS XI CORP REGS	98.75	6.88	9/21/2019	460	432	454
CSN RESOURCES SA REGS	93.13	6.50	7/21/2020	490	446	456
DEVELOPMENT BANK OF KAZAK REGS	97.88	4.13	12/10/2022	1,460	1,315	1,429
DEVELOPMENT BANK OF THE P REGS	104.87	5.50	3/25/2021	840	936	881

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Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
DIGICEL GROUP LTD REGS	65.50	7.13	4/1/2022	1,765	1,496	1,156
DIGICEL GROUP LTD REGS	75.50	8.25	9/30/2020	5,450	4,725	4,115
DOMINICAN REPUBLIC INTERN REGS	98.97	6.85	1/27/2045	1,800	1,818	1,781
DOMINICAN REPUBLIC INTERN REGS	99.23	5.50	1/27/2025	1,920	1,916	1,905
DOMINICAN REPUBLIC INTERN REGS	102.32	5.88	4/18/2024	1,440	1,464	1,473
DOMINICAN REPUBLIC INTERN REGS	103.75	7.45	4/30/2044	920	981	955
DOMINICAN REPUBLIC INTERN REGS	104.70	7.50	5/6/2021	1,370	1,494	1,434
DOMINICAN REPUBLIC INTERN REGS	104.84	6.60	1/28/2024	710	753	744
DOMINICAN REPUBLIC INTERN REGS	105.94	6.88	1/29/2026	1,930	2,131	2,045
DTEK FINANCE PLC	102.86	10.75	12/31/2024	1,146	1,144	1,179
ECUADOR GOVERNMENT INTERN REGS	83.77	7.88	1/23/2028	4,507	4,222	3,776
ECUADOR GOVERNMENT INTERN REGS	88.27	7.95	6/20/2024	2,984	2,423	2,634
ECUADOR GOVERNMENT INTERN REGS	88.37	8.88	10/23/2027	3,251	3,417	2,873
ECUADOR GOVERNMENT INTERN REGS	92.87	9.63	6/2/2027	2,246	2,290	2,086
ECUADOR GOVERNMENT INTERN REGS	93.67	8.75	6/2/2023	2,848	2,905	2,668
ECUADOR GOVERNMENT INTERN REGS	93.67	9.65	12/13/2026	4,716	4,864	4,417
ECUADOR GOVERNMENT INTERN REGS	102.42	10.50	3/24/2020	2,750	2,370	2,816
ECUADOR GOVERNMENT INTERN REGS	102.67	10.75	3/28/2022	2,295	2,369	2,356
EGYPT GOVERNMENT INTERNAT REGS	85.07	6.88	4/30/2040	290	253	247
EGYPT GOVERNMENT INTERNAT REGS	90.98	7.90	2/21/2048	812	811	739
EGYPT GOVERNMENT INTERNAT REGS	91.92	6.59	2/21/2028	1,684	1,637	1,548
EGYPT GOVERNMENT INTERNAT REGS	96.76	8.50	1/31/2047	1,510	1,618	1,461
EGYPT GOVERNMENT INTERNAT REGS	98.30	7.50	1/31/2027	2,580	2,750	2,536
EGYPT GOVERNMENT INTERNAT REGS	98.31	6.13	1/31/2022	470	485	462
EL SALVADOR GOVERNMENT IN REGS	93.25	6.38	1/18/2027	680	643	634
EL SALVADOR GOVERNMENT IN REGS	93.49	5.88	1/30/2025	704	647	658
EL SALVADOR GOVERNMENT IN REGS	96.90	7.63	2/1/2041	1,443	1,325	1,398
EL SALVADOR GOVERNMENT IN REGS	97.77	7.65	6/15/2035	340	306	332
EL SALVADOR GOVERNMENT IN REGS	102.13	7.38	12/1/2019	310	314	317
EL SALVADOR GOVERNMENT IN REGS	102.95	8.25	4/10/2032	320	316	329
EL SALVADOR GOVERNMENT IN REGS	107.00	8.63	2/28/2029	688	749	736
EMPRESA NACIONAL DEL PETR REGS	89.40	4.50	9/14/2047	687	656	614
EMPRESA NACIONAL DEL PETR REGS	94.12	3.75	8/5/2026	510	478	480
ENERGY RESOURCES LLC	96.50	8.00	9/30/2022	868	858	838
EP PETROECUADOR VIA NOBLE REGS	98.25	7.97	9/24/2019	999	797	981
ESKOM HOLDINGS SOC LTD REGS	95.44	7.13	2/11/2025	2,012	1,945	1,920
ESKOM HOLDINGS SOC LTD REGS	95.50	6.75	8/6/2023	998	929	953
ESKOM HOLDINGS SOC LTD REGS	96.50	5.75	1/26/2021	200	171	193
ETHIOPIA INTERNATIONAL BO REGS	97.77	6.63	12/11/2024	2,358	2,181	2,305
EXPORT-IMPORT BANK OF IND REGS	91.80	3.38	8/5/2026	360	335	330
EXPORT-IMPORT BANK OF IND REGS	99.09	4.00	1/14/2023	770	785	763
FRANSHION DEVELOPMENT LTD REGS	106.09	6.75	4/15/2021	930	1,039	987
GABON GOVERNMENT INTERNAT REGS	89.32	6.38	12/12/2024	1,940	1,670	1,733
GABON GOVERNMENT INTERNAT REGS	90.27	6.95	6/16/2025	200	171	181
GAZPROM NEFT OAO VIA GPN REGS	97.75	4.38	9/19/2022	720	651	704
GAZPROM OAO VIA GAZ CAPIT REGS	104.25	9.25	4/23/2019	320	363	334
GAZPROM OAO VIA GAZ CAPIT REGS	123.65	8.63	4/28/2034	420	492	519
GEORGIA GOVERNMENT INTERN REGS	106.02	6.88	4/12/2021	800	887	848
GEORGIAN RAILWAY JSC REGS	104.96	7.75	7/11/2022	750	799	787
GHANA GOVERNMENT INTERNAT 144A	97.30	8.63	6/16/2049	1,281	1,275	1,246
GHANA GOVERNMENT INTERNAT 144A	97.63	7.63	5/16/2029	623	628	608
GHANA GOVERNMENT INTERNAT REGS	102.50	8.13	1/18/2026	400	433	410
GHANA GOVERNMENT INTERNAT REGS	121.33	10.75	10/14/2030	200	265	243
GMO-ECDF FBO SOUTH CAROLINA	27.31	-		12,402	327,418	338,704
GOLDMAN SACHS PARTNERSHIP EMD	1.00	-		136,328	136,328	136,328
HUNGARY GOVERNMENT INTERNATION	105.87	5.38	2/21/2023	2,250	2,477	2,382

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
HUNGARY GOVERNMENT INTERNATION	106.23	5.38	3/25/2024	1,110	1,228	1,179
HUNGARY GOVERNMENT INTERNATION	107.59	5.75	11/22/2023	2,060	2,328	2,216
HUNGARY GOVERNMENT INTERNATION	136.47	7.63	3/29/2041	274	376	374
INDONESIA GOVERNMENT INTE REGS	94.43	4.75	7/18/2047	561	577	530
INDONESIA GOVERNMENT INTE REGS	98.16	4.13	1/15/2025	630	615	618
INDONESIA GOVERNMENT INTE REGS	98.26	5.13	1/15/2045	1,506	1,482	1,480
INDONESIA GOVERNMENT INTE REGS	100.12	5.25	1/8/2047	861	924	862
INDONESIA GOVERNMENT INTE REGS	100.42	5.25	1/17/2042	699	760	702
INDONESIA GOVERNMENT INTE REGS	109.64	5.95	1/8/2046	1,213	1,386	1,330
INDONESIA GOVERNMENT INTE REGS	114.72	6.63	2/17/2037	511	632	586
INDONESIA GOVERNMENT INTE REGS	128.44	7.75	1/17/2038	760	1,009	976
INDONESIA GOVERNMENT INTE REGS	134.53	8.50	10/12/2035	475	695	639
INDUSTRIAL & COMMERCIAL B REGS	102.99	5.13	11/30/2020	650	699	669
INSTITUTO COSTARRICENSE D REGS	103.50	6.95	11/10/2021	200	213	207
IRAQ INTERNATIONAL BOND REGS	89.56	5.80	1/15/2028	300	271	269
IVORY COAST GOVERNMENT IN REGS	92.61	5.75	12/31/2032	4,291	3,843	3,974
IVORY COAST GOVERNMENT IN REGS	94.25	6.38	3/3/2028	570	522	537
JAMAICA GOVERNMENT INTERNATION	106.96	6.75	4/28/2028	380	430	406
JAMAICA GOVERNMENT INTERNATION	110.75	7.88	7/28/2045	690	697	764
JORDAN GOVERNMENT INTERNA REGS	92.76	5.75	1/31/2027	570	537	529
KAISA GROUP HOLDINGS LTD REGS	80.72	8.50	6/30/2022	1,015	862	819
KAZAGRO NATIONAL MANAGEME REGS	96.15	4.63	5/24/2023	1,250	1,088	1,202
KAZAKHSTAN GOVERNMENT INT REGS	96.65	4.88	10/14/2044	700	632	677
KAZAKHSTAN GOVERNMENT INT REGS	105.32	5.13	7/21/2025	280	283	295
KAZAKHSTAN GOVERNMENT INT REGS	117.70	6.50	7/21/2045	1,260	1,319	1,483
KAZAKHSTAN TEMIR ZHOLY FI REGS	108.27	6.95	7/10/2042	1,270	1,150	1,375
KAZAKHSTAN TEMIR ZHOLY NA REGS	96.76	4.85	11/17/2027	369	370	357
KAZMUNAYGAS NATIONAL CO J 144A	100.22	5.38	4/24/2030	885	885	887
KAZMUNAYGAS NATIONAL CO J 144A	100.98	6.38	10/24/2048	465	460	470
KAZMUNAYGAS NATIONAL CO J REGS	100.00	9.13	7/2/2018	720	795	720
KENYA GOVERNMENT INTERNAT REGS	93.63	8.25	2/28/2048	1,016	1,028	951
KENYA GOVERNMENT INTERNAT REGS	96.00	7.25	2/28/2028	280	284	269
KENYA GOVERNMENT INTERNAT REGS	98.65	6.88	6/24/2024	570	519	562
LEBANON GOVERNMENT INTERN REGS	76.90	6.75	11/29/2027	344	345	265
LEBANON GOVERNMENT INTERN REGS	78.50	6.60	11/27/2026	635	618	498
LEBANON GOVERNMENT INTERN REGS	84.02	6.00	1/27/2023	370	371	311
LEBANON GOVERNMENT INTERN REGS	85.76	6.10	10/4/2022	3,251	3,225	2,788
LEBANON GOVERNMENT INTERN REGS	95.30	8.25	4/12/2021	2,215	2,351	2,111
LEBANON GOVERNMENT INTERN REGS	95.88	5.45	11/28/2019	1,082	1,076	1,037
LEBANON GOVERNMENT INTERN REGS	99.66	5.15	11/12/2018	220	221	219
LEBANON GOVERNMENT INTERNATION	95.74	6.38	3/9/2020	1,020	1,053	977
METINVEST BV REGS	93.90	7.75	4/23/2023	1,210	1,190	1,136
MEXICO GOVERNMENT INTERNATIONA	89.35	4.35	1/15/2047	584	582	522
MEXICO GOVERNMENT INTERNATIONA	92.00	4.60	1/23/2046	1,029	950	947
MEXICO GOVERNMENT INTERNATIONA	92.79	4.75	3/8/2044	512	477	475
MEXICO GOVERNMENT INTERNATIONA	98.45	5.75	10/12/2039	730	702	719
MEXICO GOVERNMENT INTERNATIONA	104.50	5.55	1/21/2045	584	610	610
MEXICO GOVERNMENT INTERNATIONA	110.25	6.05	1/11/2040	420	467	463
MONDRIAN EMERGING MARKETS DEBT	21.68	-		10,895	249,540	236,165
MONGOLIA GOVERNMENT INTER REGS	94.52	5.63	5/1/2023	346	350	327
MONGOLIAN MINING CORP	58.75	0.01	12/31/2049	474	210	278
MOROCCO GOVERNMENT INTERN REGS	99.77	4.25	12/11/2022	2,157	2,184	2,152
MOROCCO GOVERNMENT INTERN REGS	101.25	5.50	12/11/2042	930	928	942
NEW WORLD RESOURCES NV REGS	1.05	8.00	4/7/2020	558	177	6
NIGERIA GOVERNMENT INTERN REGS	91.09	7.63	11/28/2047	740	750	674
NIGERIA GOVERNMENT INTERN REGS	92.93	6.50	11/28/2027	1,260	1,263	1,171

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NIGERIA GOVERNMENT INTERN REGS	94.48	7.70	2/23/2038	669	672	632
OMAN GOVERNMENT INTERNATI REGS	89.50	6.50	3/8/2047	1,060	1,109	949
OMAN GOVERNMENT INTERNATI REGS	90.50	6.75	1/17/2048	1,650	1,577	1,493
OMAN GOVERNMENT INTERNATI REGS	91.64	4.75	6/15/2026	229	233	210
PAKISTAN GOVERNMENT INTER REGS	86.63	6.88	12/5/2027	2,471	2,365	2,141
PAKISTAN GOVERNMENT INTER REGS	95.37	8.25	9/30/2025	1,214	1,285	1,158
PAKISTAN GOVERNMENT INTER REGS	95.46	8.25	4/15/2024	1,937	2,071	1,849
PAKISTAN GOVERNMENT INTER REGS	98.71	7.25	4/15/2019	1,450	1,499	1,431
PANAMA GOVERNMENT INTERNATIONA	93.25	4.30	4/29/2053	920	791	858
PANAMA GOVERNMENT INTERNATIONA	97.00	4.50	5/15/2047	490	489	475
PANAMA GOVERNMENT INTERNATIONA	100.75	4.00	9/22/2024	450	451	453
PANAMA GOVERNMENT INTERNATIONA	119.76	7.13	1/29/2026	260	330	311
PANAMA GOVERNMENT INTERNATIONA	122.50	6.70	1/26/2036	870	1,064	1,066
PANAMA GOVERNMENT INTERNATIONA	134.25	8.88	9/30/2027	500	700	671
PANAMA GOVERNMENT INTERNATIONA	140.00	9.38	4/1/2029	510	748	714
PARAGUAY GOVERNMENT INTER REGS	97.50	4.70	3/27/2027	382	393	372
PARAGUAY GOVERNMENT INTER REGS	101.25	4.63	1/25/2023	580	595	587
PERTAMINA PERSERO PT REGS	99.37	6.00	5/3/2042	610	575	606
PERUSAHAAN LISTRIK NEGARA 144A	100.64	6.15	5/21/2048	906	900	912
PERUSAHAAN LISTRIK NEGARA REGS	90.58	5.25	5/15/2047	445	455	403
PERUSAHAAN LISTRIK NEGARA REGS	104.38	5.50	11/22/2021	1,660	1,770	1,733
PERUSAHAAN PENERBIT SBSN REGS	99.15	4.33	5/28/2025	490	477	486
PERUSAHAAN PENERBIT SBSN REGS	99.38	4.55	3/29/2026	920	939	914
PERUVIAN GOVERNMENT INTERNATIO	116.13	5.63	11/18/2050	2,161	2,478	2,509
PERUVIAN GOVERNMENT INTERNATIO	122.00	7.35	7/21/2025	1,770	2,262	2,159
PERUVIAN GOVERNMENT INTERNATIO	146.75	8.75	11/21/2033	1,650	2,427	2,421
PETROBRAS GLOBAL FINANCE BV	83.90	6.85	6/5/2115	1,290	1,169	1,082
PETROBRAS GLOBAL FINANCE BV	90.45	6.88	1/20/2040	2,710	2,360	2,451
PETROBRAS GLOBAL FINANCE BV	99.88	7.38	1/17/2027	600	638	599
PETROLEOS DE VENEZUELA SA REGS	23.00	5.38	4/12/2027	610	209	140
PETROLEOS DE VENEZUELA SA REGS	23.58	9.75	5/17/2035	1,673	726	394
PETROLEOS DE VENEZUELA SA REGS	24.00	9.00	11/17/2021	1,505	638	361
PETROLEOS DE VENEZUELA SA REGS	25.70	12.75	2/17/2022	682	350	175
PETROLEOS DE VENEZUELA SA REGS	86.25	8.50	10/27/2020	6,619	4,912	5,709
PETROLEOS DEL PERU SA REGS	97.25	5.63	6/19/2047	639	670	621
PETROLEOS MEXICANOS	84.35	5.50	6/27/2044	278	229	234
PETROLEOS MEXICANOS	84.40	5.63	1/23/2046	1,070	894	903
PETROLEOS MEXICANOS	94.04	6.50	6/2/2041	830	786	781
PETROLEOS MEXICANOS	94.29	6.75	9/21/2047	1,656	1,502	1,561
PETROLEOS MEXICANOS	103.25	6.00	3/5/2020	340	368	351
PETROLEOS MEXICANOS	105.10	6.88	8/4/2026	1,330	1,452	1,398
PETRONAS CAPITAL LTD REGS	115.00	7.88	5/22/2022	320	400	368
PHILIPPINE GOVERNMENT INTERNAT	121.92	6.38	10/23/2034	840	1,123	1,024
PHILIPPINE GOVERNMENT INTERNAT	131.63	7.75	1/14/2031	1,020	1,468	1,343
PHILIPPINE GOVERNMENT INTERNAT	139.21	10.63	3/16/2025	510	808	710
PHILIPPINE GOVERNMENT INTERNAT	145.75	9.50	2/2/2030	1,210	1,937	1,764
POWER SECTOR ASSETS & LIA REGS	118.00	7.39	12/2/2024	1,300	1,690	1,534
QATAR GOVERNMENT INTERNAT 144A	99.70	5.10	4/23/2048	950	950	947
QGOG ATLANTIC / ALASKAN R REGS	95.75	5.25	7/30/2019	137	101	131
QGOG CONSTELLATION SA REGS	-	9.50	11/9/2024	-	-	-
REPUBLIC OF BELARUS INTER REGS	94.48	6.20	2/28/2030	1,475	1,400	1,394
REPUBLIC OF BELARUS INTER REGS	103.40	6.88	2/28/2023	2,465	2,663	2,549
REPUBLIC OF BELARUS INTER REGS	104.40	7.63	6/29/2027	1,700	1,917	1,775
REPUBLIC OF CAMEROON INTE REGS	105.19	9.50	11/19/2025	200	198	210
REPUBLIC OF SOUTH AFRICA GOVER	83.07	5.00	10/12/2046	1,762	1,687	1,464
REPUBLIC OF SOUTH AFRICA GOVER	89.08	4.30	10/12/2028	2,364	2,333	2,106

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RETIREMENT SYSTEM INVESTMENT COMMISSION

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REPUBLIC OF SOUTH AFRICA GOVER	90.00	5.65	9/27/2047	1,500	1,494	1,350
REPUBLIC OF SOUTH AFRICA GOVER	96.20	4.88	4/14/2026	1,040	1,037	1,000
REPUBLIC OF SOUTH AFRICA GOVER	99.14	5.88	6/22/2030	1,040	1,039	1,031
REPUBLIC OF SOUTH AFRICA GOVER	104.63	5.88	5/30/2022	741	812	775
REPUBLIC OF SURINAME REGS	95.50	9.25	10/26/2026	756	745	722
ROMANIAN GOVERNMENT INTER REGS	100.75	4.38	8/22/2023	2,570	2,704	2,589
ROMANIAN GOVERNMENT INTER REGS	112.12	6.13	1/22/2044	190	223	213
RUSSIAN FOREIGN BOND - EU 144A	96.66	4.38	3/21/2029	1,200	1,174	1,160
RUSSIAN FOREIGN BOND - EU REGS	96.30	5.25	6/23/2047	1,400	1,426	1,348
SAMARCO MINERACAO SA REGS	72.50	4.13	11/1/2022	770	479	558
SAMARCO MINERACAO SA REGS	73.00	5.38	9/26/2024	510	324	372
SAMARCO MINERACAO SA REGS	73.00	5.75	10/24/2023	1,390	960	1,015
SAUDI GOVERNMENT INTERNAT 144A	97.26	5.00	4/17/2049	450	440	438
SBERBANK OF RUSSIA VIA SB REGS	99.21	5.25	5/23/2023	1,350	1,302	1,339
SBERBANK OF RUSSIA VIA SB REGS	99.27	5.13	10/29/2022	690	707	685
SCF CAPITAL DESIGNATED AC REGS	99.85	5.38	6/16/2023	1,157	1,208	1,155
SECOND PAKISTAN INTERNATI REGS	97.89	6.75	12/3/2019	1,220	1,263	1,194
SENEGAL GOVERNMENT INTERN REGS	85.36	6.75	3/13/2048	848	779	724
SENEGAL GOVERNMENT INTERN REGS	88.63	6.25	5/23/2033	1,062	1,100	941
SERBIA INTERNATIONAL BOND REGS	101.55	4.88	2/25/2020	810	833	823
SERBIA INTERNATIONAL BOND REGS	109.13	7.25	9/28/2021	400	457	437
SINOCEM OVERSEAS CAPITAL REGS	101.69	4.50	11/12/2020	1,010	1,062	1,027
SINOCEM OVERSEAS CAPITAL REGS	123.05	6.30	11/12/2040	420	512	517
SINOPEC GROUP OVERSEAS DE REGS	104.43	4.88	5/17/2042	400	413	418
SOUTHERN GAS CORRIDOR CJS REGS	107.81	6.88	3/24/2026	1,920	2,043	2,070
SRI LANKA GOVERNMENT INTE REGS	91.25	6.20	5/11/2027	379	397	346
SRI LANKA GOVERNMENT INTE REGS	95.77	6.83	7/18/2026	392	415	375
STATE OIL CO OF THE AZERB REGS	98.48	4.75	3/13/2023	260	231	256
STATE OIL CO OF THE AZERB REGS	106.85	6.95	3/18/2030	910	876	972
SUNAC CHINA HOLDINGS LTD REGS	93.74	7.95	8/8/2022	315	315	295
THIRD PAKISTAN INTERNATIO REGS	90.11	5.63	12/5/2022	809	792	729
THIRD PAKISTAN INTERNATIO REGS	92.83	5.50	10/13/2021	476	486	442
TURKEY GOVERNMENT INTERNATIONALA	74.37	4.88	4/16/2043	1,220	1,032	907
TURKEY GOVERNMENT INTERNATIONALA	80.69	5.75	5/11/2047	717	629	579
TURKEY GOVERNMENT INTERNATIONALA	84.75	6.00	1/14/2041	590	618	500
TURKEY GOVERNMENT INTERNATIONALA	88.67	3.25	3/23/2023	490	452	434
TURKEY GOVERNMENT INTERNATIONALA	91.39	6.75	5/30/2040	390	443	356
TURKEY GOVERNMENT INTERNATIONALA	93.65	6.13	10/24/2028	796	791	745
TURKEY GOVERNMENT INTERNATIONALA	93.97	6.00	3/25/2027	420	431	395
TURKEY GOVERNMENT INTERNATIONALA	94.04	6.88	3/17/2036	230	264	216
TURKEY GOVERNMENT INTERNATIONALA	96.35	5.75	3/22/2024	600	647	578
TURKEY GOVERNMENT INTERNATIONALA	99.40	5.63	3/30/2021	210	226	209
TURKEY GOVERNMENT INTERNATIONALA	100.28	6.25	9/26/2022	540	597	542
TURKEY GOVERNMENT INTERNATIONALA	101.33	7.00	3/11/2019	370	411	375
TURKEY GOVERNMENT INTERNATIONALA	102.37	7.00	6/5/2020	460	515	471
TURKEY GOVERNMENT INTERNATIONALA	102.64	7.50	11/7/2019	400	451	411
TURKEY GOVERNMENT INTERNATIONALA	103.40	7.38	2/5/2025	920	1,093	951
UKRAINE GOVERNMENT INTERN REGS	85.68	7.38	9/25/2032	2,404	2,332	2,060
UKRAINE GOVERNMENT INTERN REGS	92.62	7.75	9/1/2026	702	723	650
UKRAINE GOVERNMENT INTERN REGS	93.61	7.75	9/1/2025	1,161	1,091	1,087
UKRAINE GOVERNMENT INTERN REGS	94.72	7.75	9/1/2024	430	400	407
UKRAINE GOVERNMENT INTERN REGS	96.24	7.75	9/1/2023	1,088	1,070	1,047
UKRAINE GOVERNMENT INTERN REGS	97.63	7.75	9/1/2022	300	275	293
UKRAINE RAILWAYS VIA SHOR REGS	101.00	9.88	9/15/2021	430	415	434
UKREXIMBANK VIA BIZ FINAN REGS	100.00	9.75	1/22/2025	630	589	630
URUGUAY GOVERNMENT INTERNATION	89.50	4.13	11/20/2045	630	508	564

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URUGUAY GOVERNMENT INTERNATION	97.00	4.98	4/20/2055	1,638	1,617	1,589
URUGUAY GOVERNMENT INTERNATION	98.30	5.10	6/18/2050	540	476	531
URUGUAY GOVERNMENT INTERNATION	129.23	7.63	3/21/2036	760	961	982
URUGUAY GOVERNMENT INTERNATION	130.59	7.88	1/15/2033	1,030	1,311	1,345
VENEZUELA GOVERNMENT INTE REGS	26.87	7.65	4/21/2025	690	260	185
VENEZUELA GOVERNMENT INTE REGS	27.00	9.00	5/7/2023	984	399	266
VENEZUELA GOVERNMENT INTE REGS	27.07	9.25	5/7/2028	1,826	726	494
VENEZUELA GOVERNMENT INTE REGS	27.17	7.75	10/13/2019	1,043	433	283
VENEZUELA GOVERNMENT INTE REGS	27.17	8.25	10/13/2024	2,890	1,195	785
VENEZUELA GOVERNMENT INTE REGS	27.87	12.75	8/23/2022	1,288	626	359
VENEZUELA GOVERNMENT INTE REGS	28.37	11.75	10/21/2026	5,348	2,543	1,517
VENEZUELA GOVERNMENT INTE REGS	28.37	11.95	8/5/2031	8,714	4,181	2,472
VENEZUELA GOVERNMENT INTERNATI	28.17	9.25	9/15/2027	1,422	564	401
VIETNAM GOVERNMENT INTERN REGS	99.26	4.80	11/19/2024	1,058	1,061	1,050
VIETNAM GOVERNMENT INTERN REGS	103.50	6.75	1/29/2020	1,370	1,519	1,418
VNESHECONOMBANK VIA VEB F REGS	102.75	5.94	11/21/2023	1,180	1,166	1,212
VNESHECONOMBANK VIA VEB F REGS	102.75	6.03	7/5/2022	740	749	760
WAKALA GLOBAL SUKUK BHD REGS	103.37	4.65	7/6/2021	530	578	548
WELLINGTON EMERGING LOCAL DEBT	6.51	-		67,349	457,277	438,443
YPF SA REGS	75.50	7.00	12/15/2047	780	709	589
ZAMBIA GOVERNMENT INTERNA REGS	83.14	5.38	9/20/2022	200	183	166
ZAMBIA GOVERNMENT INTERNA REGS	88.27	8.97	7/30/2027	1,832	1,653	1,617
ZAMBIA GOVERNMENT INTERNA REGS	88.83	8.50	4/14/2024	380	319	338
Emerging Markets Debt				551,563	\$ 1,478,683	\$ 1,443,310
Emerging Markets Debt Receivable						4,968
Total Emerging Markets Debt					\$	1,448,279

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RETIREMENT SYSTEM INVESTMENT COMMISSION

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Mixed Credit						
2018-A LTCG SECURITIZ A A 144A	100.03	4.59	6/15/2048	1,300	\$ 1,300	\$ 1,300
90DAY EURO DOLLAR FUT DEC 18	0.19	-	12/17/2018	(2)	(496)	(1,091)
90DAY EURO DOLLAR FUT DEC 19	0.68	-	12/16/2019	1	1,361	1,841
90DAY EURO DOLLAR FUTURE DEC 18	0.29	-	12/17/2018	2	867	1,688
90DAY EURO DOLLAR FUTURE DEC 19	0.25	-	12/16/2019	(1)	(314)	(663)
A VOCE CLO LTD 1A A1R 144A	99.98	3.51	7/15/2026	3,100	3,100	3,100
AASET 2017-1 TRUST 1A A 144A	99.85	3.97	5/16/2042	5,636	5,636	5,628
AASET 2017-1 TRUST 1A B 144A	101.03	5.93	5/16/2042	909	909	918
ABPCI DIRECT LENDIN 1A A2 144A	100.21	4.71	7/20/2029	1,000	1,000	1,002
ACCURIDE 11/17 TLB	101.00	0.02	11/17/2023	1,374	1,345	1,388
ACE SECURITIES CORP H ASP1 A2B	62.56	2.29	3/25/2037	1,628	1,031	1,019
ACE SECURITIES CORP HOM HE1 A1	67.95	2.24	1/25/2037	1,619	1,118	1,100
ACE SECURITIES CORP HOM HE4 A1	67.12	2.23	10/25/2036	1,463	991	982
ACIS CLO 2015-6 LTD 6A C 144A	99.89	5.73	5/1/2027	1,250	1,214	1,249
ACOSTA 4/15 TLB1	75.13	0.01	9/26/2021	2,425	2,442	1,822
ACOSTA 4/15 TLB1	75.13	0.01	9/26/2021	0	0	0
ACRISURE LLC / ACRISURE F 144A	91.00	7.00	11/15/2025	925	925	842
ADVANCED COMPUTER 5/18 (USD)	100.25	0.34	5/31/2024	200	200	201
ADVANTAGE SALES 7/14 TL	94.31	0.01	7/23/2021	2,253	2,250	2,125
AFFORDABLE CARE 10/15 TL	100.00	0.57	10/24/2022	975	956	975
AHERN RENTALS INC 144A	97.50	7.38	5/15/2023	900	873	878
AIM AVIATION FINANC 1A B1 144A	99.02	5.07	2/15/2040	634	642	628
AIR MEDICAL 2/18 COV-LITE TLB	97.02	0.32	4/28/2022	1,697	1,677	1,647
AIR MEDICAL 9/17 COV-LITE TLB	98.46	0.21	9/26/2024	1,005	998	990
AIT 4/17 COV-LITE TLB1	99.75	0.59	4/3/2023	1,757	1,726	1,752
AKORN 11/13 COV-LITE TLB	97.75	0.02	4/16/2021	1,763	1,759	1,723
ALBERTSON'S 5/17 B5 TL	99.02	0.04	12/21/2022	1,981	1,961	1,962
ALBERTSON'S 5/17 B6 TL	98.85	0.47	6/22/2023	354	346	350
ALBERTSON'S 6/17 TLB4	98.96	0.01	8/25/2021	1,257	1,244	1,244
ALBERTSONS COS INC 144A	100.25	6.09	1/15/2024	200	199	201
ALBERTSON'S LLC BRIDGE LOAN	100.00	-	4/18/2019	200	200	200
ALCOA NEDERLAND HOLDING B 144A	100.63	6.13	5/15/2028	684	684	688
ALESCO PREFERRED FU 2X A1 REGS	98.25	2.36	1/30/2034	450	437	442
ALESCO PREFERRED FU 9A A1 144A	92.75	2.70	6/23/2036	12,210	9,641	11,325
ALION SCIENCE & TECHNOLOGY	100.25	0.02	8/19/2021	2,405	2,396	2,411
ALIXPARTNERS 4/17 COV-LITE TLB	99.83	0.01	4/4/2024	957	955	955
ALLEGHENY TECHNOLOGIES INC	100.50	5.95	1/15/2021	1,224	1,229	1,230
ALLIANCE DATA SYSTEMS COR 144A	102.00	5.88	11/1/2021	1,000	1,020	1,020
ALLIANT INSURANCE 4/18	99.25	0.27	4/27/2025	2,551	2,542	2,532
ALLTECH 12/16 UNSECURED TL	115.53	-	12/22/2020	92	0	106
ALLTECH 12/16 UNSECURED USD TL	98.95	-	7/21/2023	2,204	2,174	2,181
ALM V LTD 5A CR3 144A	99.18	4.05	10/18/2027	1,570	1,579	1,557
ALM XII LTD 12A BR2 144A	99.84	3.99	4/16/2027	1,000	1,000	998
ALTICE FRANCE SA/France 144A	97.77	7.38	5/1/2026	475	496	464
ALTICE LUXEMBOURG SA 144A	92.00	7.63	2/15/2025	1,800	1,925	1,656
ALVOGEN PHARMA 6/18 COV-LITE	-	0.02	4/1/2022	-	-	-
ALVOGEN PHARMA 6/18 TLB	100.06	-	4/2/2022	2,558	2,531	2,560
AMAYA 6/18 (USD) TL	99.75	-	6/27/2025	1,017	1,012	1,015
AMERICAN EQUITY INVESTMENT LIF	97.60	5.00	6/15/2027	2,864	2,862	2,795
AMERICAN HOME MORTGAGE 1 12A1	97.22	2.49	3/25/2046	3,901	3,255	3,792
AMERICAN HOME MORTGAGE 3 2A11	90.89	2.50	10/25/2046	1,125	1,027	1,022
AMERICAN HOME MORTGAGE A 1 1A2	89.35	2.28	5/25/2046	1,225	1,084	1,095
AMERICAN HOME MORTGAGE AS 1 A1	65.00	2.26	2/25/2047	2,561	1,577	1,665
AMERICAN TIRE DISTRIBUTOR 144A	22.00	10.25	3/1/2022	150	76	33
AMERICAN TRAFFIC/ATS	99.88	0.03	2/23/2026	44	44	44

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AMERICAN TRAFFIC/ATS	100.25	0.02	2/21/2025	318	317	319
AMERIFORGE GROUP INC	63.00	-		16	547	1,012
AMERIQUEST MORTGAGE SECU M3 A1	66.70	2.27	10/25/2036	5,302	3,567	3,536
AMNEAL PHARMACEUTICALS 3/18	99.72	-	3/21/2025	1,829	1,819	1,823
AMSPEC 7/16TL	99.50	1.66	7/1/2022	1,179	1,169	1,173
AMSTED INDUSTRIES INC 144A	99.25	5.38	9/15/2024	837	827	831
AMWINS 1/17 COV-LITE TLB	99.49	0.32	1/25/2024	1,438	1,433	1,430
AMWINS GROUP INC 144A	101.50	7.75	7/1/2026	600	600	609
ANCHOR GLASS 7/17 TL	-	0.17	12/7/2023	-	-	-
ANCHORAGE CAPITAL C 3RA C 144A	99.55	4.21	1/28/2031	950	949	946
ANCHORAGE CAPITAL C 7A DR 144A	99.17	5.05	10/15/2027	2,040	2,046	2,023
ANCHORAGE CREDIT FUN 1A C 144A	100.74	6.30	7/28/2030	2,000	2,000	2,015
ANCHORAGE CREDIT FUN 4A B 144A	99.05	4.50	2/15/2035	2,000	2,000	1,981
AOT BEDDING 11/16 COV-LITE TL	85.00	1.42	11/8/2023	1,646	1,632	1,399
APERGY 4/18 TLB	-	0.09	4/18/2025	-	-	-
APEX TOOL GROUP LLC / BC 144A	96.75	9.00	2/15/2023	1,068	1,058	1,033
APOLLO AVIATION SECU 1A B 144A	101.74	6.50	3/17/2036	731	716	743
APOLLO AVIATION SECURITIZA 2 A	100.45	4.21	11/15/2041	1,728	1,728	1,736
APOLLO AVIATION SECURITIZA 2 B	100.66	5.93	11/15/2041	1,728	1,728	1,740
APOLLO AVIATION SECURITIZA 2 C	100.64	7.87	11/15/2041	717	717	721
APPLIED SYSTEMS 9/17 2ND LIEN	102.75	0.03	9/19/2025	142	142	146
APPROACH RESOURCES INC	2.44	-		55	57	135
APPVION INC 144A	0.56	9.00	6/1/2020	1,620	943	9
ARBOUR CLO III DAC 3A ER 144A	114.47	4.35	3/15/2029	8,070	9,877	9,238
ARCELORMITTAL	112.89	7.25	3/1/2041	1,181	1,378	1,333
ARCTIC LNG CARRIERS 5/17 TL	100.13	0.02	5/18/2023	1,238	1,225	1,239
ARES XXV CLO LTD 3A SUB 144A	0.00	-	1/17/2024	2,750	1,268	0
ARES XXVIII CLO LTD 3A DR 144A	100.01	5.60	10/17/2024	335	335	335
ARIA ENERGY OPERATING LLC TL	99.88	0.02	5/18/2022	305	305	304
ARUBA INVESTMENTS (ANGUS) 6/15	99.92	0.01	2/2/2022	1,939	1,934	1,937
ASTORIA ENERGY 12/14 TLB	100.21	0.02	12/24/2021	2,576	2,492	2,581
ASURION 6/18 B7 TLB	99.63	-	11/29/2024	1,126	1,120	1,122
ASURION 7/17 2ND LIEN COV-LITE	101.38	-	8/4/2025	137	137	139
ASURION 7/17 TLB4	99.75	0.01	8/4/2022	937	932	935
ATLAS 2014-1 12/14 SERIES A TL	96.41	-	12/31/2018	4,885	4,855	4,710
ATLAS SENIOR LOAN 2A B1RR 144A	99.96	4.94	2/17/2026	1,000	1,000	1,000
ATLAS SENIOR LOAN FU 9A C 144A	99.15	3.86	4/20/2028	355	355	352
ATRIUM XIII 13A B 144A	100.07	3.86	11/21/2030	770	772	771
ATRIUM XIII 13A D 144A	98.92	5.06	11/21/2030	250	250	247
AVANTOR 9/17 (USD) COV-LITE TL	100.42	0.02	11/21/2024	1,027	1,012	1,031
AVANTOR INC 144A	100.77	9.00	10/1/2025	750	750	756
AVERY POINT III CL 3A INC 144A	39.07	0.00	1/18/2025	2,500	766	977
AVERY POINT III CLO 3A D 144A	100.01	6.06	1/18/2025	1,230	1,152	1,230
AVERY POINT IV CLO 1A CR 144A	100.06	4.71	4/25/2026	380	381	380
AVERY POINT V CLO L 5A AR 144A	99.95	3.33	7/17/2026	3,000	3,000	2,998
BABSON CLO LTD 2014 IIA D 144A	100.01	5.95	10/17/2026	2,215	2,091	2,215
BABSON EURO CLO 2014 1X E REGS	116.76	4.27	4/15/2027	5,510	5,796	6,433
BABSON EURO CLO 2014 1X F REGS	116.76	5.27	4/15/2027	250	293	292
BAIN CAPITAL CREDIT 2A C 144A	100.00	4.25	7/19/2031	660	660	660
BAKERCORP 2/13 COV-LITE TL	98.56	0.91	2/28/2020	2,441	2,293	2,406
BANC OF AMERICA MORTGAG 1 2A17	93.44	6.00	1/25/2037	1,050	969	981
BARRACUDA NETWORKS 1/18 TLB	99.50	0.24	1/10/2025	314	313	313
BASS PRO SHOPS 11/16 COV-LITE	100.06	-	9/25/2024	2,190	2,169	2,191
BATTALION CLO IX LT 9A DR 144A	100.00	5.59	7/15/2031	3,165	3,165	3,165
BAUSCH HEALTH COS INC 144A	92.13	6.13	4/15/2025	2,500	1,941	2,303
BAUSCH HEALTH COS INC 144A	93.94	5.88	5/15/2023	198	162	186

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BAUSCH HEALTH COS INC 144A	98.55	5.50	11/1/2025	270	270	266
BAUSCH HEALTH COS INC 144A	103.62	9.00	12/15/2025	601	593	623
BAUSCH HEALTH COS INC 144A	104.85	7.00	3/15/2024	135	135	142
BAYVIEW OPPORTUNI RPL1 A1 144A	99.83	3.10	7/28/2032	557	557	556
BBB INDUSTRIES (6/07) TLB	100.00	-	3/27/2019	1,100	1,100	1,100
BBB INDUSTRIES 6/18 COV-LITE	99.50	-	6/27/2025	500	495	498
BEACON ROOFING 10/17 COV-LITE	-	0.13	10/11/2024	-	-	-
BELK 12/15 COV-LITE TL	77.13	1.39	12/12/2022	533	453	411
BENEFIT STREET PA VIIA CR 144A	99.20	4.76	7/18/2027	985	985	977
BENEFIT STREET PART 8A CR 144A	99.26	5.11	1/20/2031	1,575	1,575	1,563
BERRY PLASTICS 2/18 TLQ	99.79	0.21	10/1/2022	1,795	1,801	1,792
BEVERAGES & MORE INC 144A	86.00	11.50	6/15/2022	150	147	129
BIG RIVER STEEL 8/17 TLB	101.19	0.02	8/15/2023	199	197	201
BIOPLAN 5/15 COV-LITE TL	93.00	0.02	9/23/2021	643	563	598
BLOCK COMMUNICATIONS INC 144A	99.75	6.88	2/15/2025	1,690	1,703	1,686
BLUE NILE 1/17 TL	100.50	0.02	1/20/2023	475	461	477
BLUEMOUNTAIN CLO 201 1A D 144A	100.02	5.81	4/30/2026	250	247	250
BMC SOFTWARE 12/17 (USD)	99.63	0.01	9/10/2022	3,123	3,023	3,112
BMC SOFTWARE 6/18 (USD)	99.38	-	9/1/2025	2,582	2,558	2,566
BOMGAR 4/18 TL	100.38	-	4/17/2025	150	150	151
BOOTS BARN HOLDINGS	99.50	-	6/24/2021	1,765	1,747	1,756
BOOZ ALLEN HAMILTON INC 144A	97.75	5.13	5/1/2025	850	859	831
BOSPHORUS CLO III DA 3X D REGS	116.50	3.05	4/15/2027	445	481	518
BOYD 5/17 COV-LITE TL	99.75	0.02	5/16/2024	2,210	2,192	2,205
BOYD GAMING 3/17 COV-LITE TLB	100.14	0.04	9/15/2023	521	521	522
BOYNE USA INC 144A	104.25	7.25	5/1/2025	1,185	1,217	1,235
BRIGHTWOOD CAP FD	99.97	-	4/29/2023	2,000	2,000	1,999
BSPRT 2017-FL2 ISSU FL2 C 144A	99.73	4.22	10/15/2034	1,000	1,000	997
C&S GROUP ENTERPRISES LLC 144A	98.00	5.38	7/15/2022	1,963	1,930	1,924
CABLE & WIRELESS 2/18 TLB4	99.93	0.01	12/31/2020	2,015	2,015	2,014
CABLEVISION SYSTEMS 1/18 TLB	99.58	0.19	1/12/2026	721	718	718
CABLEVISION SYSTEMS 3/17 TLB	99.25	0.18	7/17/2025	2,155	2,144	2,139
CAELUS ENERGY 4/14 COV-LITE	91.50	-	4/15/2020	600	540	549
CAESARS ENTERTAINMENT	99.22	0.09	12/20/2024	1,348	1,344	1,337
CAESARS RESORT 12/17 COV-LITE	99.61	0.01	12/23/2024	1,719	1,715	1,712
CAIRN CLO III BV 3X DR REGS	116.50	2.50	10/20/2028	1,895	2,239	2,208
CAMPING WORLD 11/16 COV-LITE	98.78	0.31	11/8/2023	2,140	2,132	2,114
CANYON CAPITAL CLO 1A CR 144A	100.39	0.01	7/15/2031	1,500	1,500	1,506
CAPMARK MILITARY H AET2 A 144A	107.62	6.06	10/10/2052	962	964	1,035
CARLSON TRAVEL INC 144A	90.50	9.50	12/15/2024	516	496	467
CARLYLE GLOBAL MARK 1X DR REGS	116.87	2.90	7/15/2031	1,570	1,827	1,835
CARLYLE GLOBAL MARK 3RA C 144A	100.00	5.04	7/27/2031	1,740	1,740	1,740
CARLYLE GLOBAL MARK 4RA C 144A	100.00	4.89	7/15/2030	510	510	510
CARRIAGE SERVICES INC 144A	101.38	6.63	6/1/2026	875	884	887
CARROLS RESTAURANT GROUP INC	104.00	8.00	5/1/2022	1,300	1,380	1,352
CASPIAN SC HOLDINGS	1.24	-		178,028	178,028	221,618
CAST & CREW ENTERTAINMENT 9/17	99.08	0.01	9/27/2024	1,758	1,754	1,742
CASTLE PARK CLO DESI 1X D REGS	116.48	5.27	1/15/2028	650	689	757
CASTLE PARK CLO DESI 1X E REGS	114.15	6.17	1/15/2028	3,405	3,907	3,887
CASTLELAKE AIRCRAFT S 1 A 144A	100.46	4.13	6/15/2043	2,000	1,998	2,009
CASTLELAKE AIRCRAFT SECURI 1 A	99.24	3.97	7/15/2042	3,760	3,760	3,731
CASTLELAKE AIRCRAFT SECURI 1 A	99.37	4.45	8/15/2041	2,180	2,182	2,167
CATALENT PHARMA SOLUTIONS 144A	96.03	4.88	1/15/2026	816	816	784
CATALINA MARKETING 4/14	62.50	0.02	4/9/2021	2,193	1,897	1,371
CATAMARAN CLO 2013- 1A DR 144A	99.45	5.17	1/27/2028	435	435	433
CATHEDRAL LAKE CLO 1A BR 144A	100.20	4.65	10/15/2029	3,060	3,061	3,066

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
CCC INFORMATION 3/17 COV-LITE	99.68	0.01	4/29/2024	2,125	2,120	2,118
CCO HOLDINGS LLC / CCO HO 144A	91.50	5.00	2/1/2028	4,212	4,180	3,854
CCO HOLDINGS LLC / CCO HO 144A	98.25	5.75	2/15/2026	384	373	377
CCP IRS R US0003M P 2.685%	-	2.34	4/13/2020	60,000	13	-
CCP IRS R US0003M P 2.73%	-	2.34	4/13/2023	14,500	18	-
CCP IRS R US0003M P 2.765%	-	2.34	4/13/2025	2,100	4	-
CCP_IRS_R US0003M P 2.765%	(0.85)	2.77	4/13/2025	(2,100)	(0)	18
CCP_IRS_R US0003M P 2.685%	(0.39)	2.69	4/13/2020	(60,000)	(0)	233
CCP_IRS_R US0003M P 2.73%	(0.67)	2.73	4/13/2023	(14,500)	(0)	98
CDS BP UL KOHL'S CORP	(2.01)	1.00	12/20/2023	(400)	(0)	8
CDS BP UL KOHL'S CORP	-	-	12/20/2023	400	8	-
CDS BP UL KOHL'S CORP	-	-	6/20/2023	450	-	-
CDS_BP UL KOHL'S CORP	(0.99)	1.00	6/20/2023	(450)	-	4
CENGAGE LEARNING INC 144A	84.25	9.50	6/15/2024	250	215	211
CENT CLO 21 LTD 21A C 144A	99.83	5.87	7/27/2026	4,400	3,612	4,393
CENT CLO 22 LTD 22A C 144A	100.09	6.11	11/7/2026	2,000	1,666	2,002
CENTURYLINK 5/17 COV-LITE TLB	97.88	0.01	1/31/2025	2,612	2,583	2,557
CENTURYLINK INC	99.00	5.80	3/15/2022	900	887	891
CEQUEL COMMUNICATIONS HOL 144A	101.22	7.50	4/1/2028	1,250	1,250	1,265
CEQUEL/SUDDENLINK 3/17	99.19	0.01	7/28/2025	1,706	1,697	1,692
CERBERUS LOAN FUNDIN 2A A 144A	99.80	3.28	4/15/2028	1,000	1,000	998
CERBERUS LOAN FUNDIN 2A B 144A	100.72	5.35	11/15/2027	2,000	2,000	2,014
CERBERUS LOAN FUNDIN 3A A 144A	100.29	4.88	1/15/2028	3,000	3,000	3,009
CERTARA 3/18 COV-LITE TL	100.25	0.02	3/15/2024	246	245	247
CHARTER COMM OPERATING 12/17	99.78	0.01	4/30/2025	995	994	993
CHARTER NEX 5/17 COV-LITE TLB	99.43	0.01	5/16/2024	1,289	1,290	1,282
CHEMOURS CO/THE	96.75	5.38	5/15/2027	392	388	379
CHENIERE CORPUS CHRISTI HOLDIN	99.13	5.13	6/30/2027	76	76	75
CHESAPEAKE ENERGY CORP 144A	104.97	8.00	12/15/2022	345	347	362
CHI OVERHEAD 7/15 TL	100.21	0.01	7/29/2022	2,286	2,266	2,290
CIFC FUNDING 2014-I 3A AR 144A	100.00	3.31	7/22/2026	3,000	3,000	3,000
CIFC FUNDING 2015-I 2A DR 144A	99.22	4.80	4/15/2027	1,200	1,200	1,191
CIM TRUST 2017-2 2 A1 144A	101.26	3.98	12/25/2057	2,613	2,612	2,645
CINeworld 2/18 (USD) COV-LITE	99.18	0.01	2/7/2025	1,980	1,975	1,964
CITGO HOLDING INC 144A	106.38	10.75	2/15/2020	2,000	2,058	2,128
CITIGROUP COMMERCIAL SMPL E 144A	98.79	4.51	9/10/2031	2,300	2,349	2,272
CITIGROUP INC	103.75	0.06	12/31/2049	1,387	1,416	1,439
CITIMORTGAGE ALTERNATIV A7 2A1	84.87	2.49	7/25/2037	1,233	1,059	1,047
CITYCENTER 4/17 COV-LITE TLB	99.38	0.01	4/18/2024	3,099	3,098	3,079
CLEAR CHANNEL WORLDWIDE HOLDIN	99.25	7.63	3/15/2020	500	499	496
CLEAR CHANNEL WORLDWIDE HOLDIN	99.40	7.63	3/15/2020	385	385	383
CLUBCORP 8/17 COV-LITE TLB	98.75	0.01	9/18/2024	1,974	1,972	1,950
COLLEGE AVENUE STUDE A A1 144A	102.13	3.74	11/26/2046	2,184	2,184	2,230
COMMUNITY HEALTH 5/15 TLG	99.80	0.43	12/31/2019	1,456	1,428	1,453
COMMUNITY HEALTH 5/15 TLH	97.51	0.45	1/27/2021	1,373	1,361	1,339
COMSTOCK RESOURCES INC	10.51	-		0	0	0
CONSOLIDATED ENERGY FINAN 144A	102.63	6.88	6/15/2025	1,126	1,120	1,156
CONTEGO CLO II BV 2A ER 144A	116.55	4.87	11/15/2026	1,860	2,164	2,168
CONTEGO CLO II BV 2X ER REGS	116.55	4.87	11/15/2026	930	1,082	1,084
COUNTRYWIDE ASSET-BACKED 8 1A1	94.58	2.28	11/25/2037	1,495	1,414	1,414
COVIA/UNIMIN 4/18 TL	99.94	0.30	4/9/2025	937	937	936
CPI CARD GROUP 8/15 COV-LITE	58.50	0.68	8/17/2022	400	255	234
CREDIT SUISSE EUROP 1HA A REGS	116.64	0.01	4/15/2020	14,376	16,768	16,768
CREDIT SUISSE EUROP 1HB B REGS	116.64	0.01	4/15/2020	3,599	4,197	4,197
CREDITSHOP CREDIT CAR 1 B 144A	100.33	10.07	10/15/2022	13,392	13,712	13,436
CROWN AMERICAS LLC / CROW 144A	95.00	4.75	2/1/2026	333	333	316

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
CROWN POINT CLO I 3A A1BR 144A	99.95	3.26	12/31/2027	1,000	1,000	999
CSC HOLDINGS LLC 144A	92.50	5.38	2/1/2028	833	826	771
CTI FOODS 6/13 TL	85.83	0.02	6/12/2020	300	293	257
DAE AVIATION (STANDARD AERO)	100.04	0.02	7/7/2022	1,933	1,924	1,934
DATATEL 1/17 COV-LITE TLB	99.50	0.02	9/30/2022	3,349	3,289	3,333
DEALOGIC 12/17 (USD) TL	99.75	0.02	12/20/2024	1,340	1,333	1,336
DECK CHASSIS ACQUISITION 144A	106.00	10.00	6/15/2023	4,953	5,170	5,250
DEL MONTE FOODS 11/13 COV-LITE	-	0.03	2/18/2021	-	-	-
DELEK 3/18 COV-LITE TLB	99.50	0.01	3/14/2025	522	520	520
DELL INC	94.25	6.50	4/15/2038	933	956	879
DELPHI TECHNOLOGIES PLC 144A	95.38	5.00	10/1/2025	925	897	882
DEVRY EDUCATION/ADTALEM 3/18	100.13	0.14	4/9/2025	706	702	707
DEXKO GLOBAL 1/18 (USD)	100.00	0.02	7/24/2024	64	64	64
DEXKO GLOBAL 1/18 (USD)	100.06	0.02	7/24/2024	2,062	2,052	2,064
DISH DBS CORP	86.75	5.00	3/15/2023	975	902	846
DISH DBS CORP	87.63	7.75	7/1/2026	1,387	1,490	1,215
DISTRIBUTION INTERNATIONAL	94.00	0.02	12/15/2021	1,324	1,261	1,244
DIVERSEY 9/17 (USD) COV-LT TL	98.00	0.42	9/6/2024	2,493	2,489	2,444
DONCASTERS 4/13 (USD) TL	96.47	-	4/9/2020	1,895	1,857	1,828
DONNELLEY FINANCIAL SOLUTIONS	99.88	0.01	9/29/2023	187	186	187
DONNELLEY FINANCIAL SOLUTIONS	104.75	8.25	10/15/2024	800	850	838
DREW MARINE 11/13 TL	99.75	0.01	11/19/2020	2,211	2,198	2,206
DRYDEN 32 EURO CLO 32X E REGS	115.54	4.53	8/23/2026	1,890	2,199	2,184
DRYDEN 35 EURO CLO 35X E REGS	117.36	5.08	5/17/2027	270	284	317
DRYDEN 35 EURO CLO 35X F REGS	115.44	6.38	5/17/2027	2,045	2,404	2,361
DRYDEN 41 SENIOR 41A SUB 144A	74.75	-	4/15/2031	1,200	1,024	897
DRYDEN 54 SENIOR LO 54A D 144A	100.12	5.46	10/19/2029	250	251	250
DUFF & PHELPS 12/17 COV-LITE	99.48	0.02	12/4/2024	1,275	1,271	1,268
DURAVANT 7/17 TLB	99.44	0.02	7/19/2024	792	769	788
DYNACAST 5/15 TLB1	99.63	-	1/28/2022	1,189	1,186	1,185
EASTLAND CLO LTD 1A C 144A	99.56	3.86	5/1/2022	7,070	6,798	7,039
ELDORADO GOLD CORP 144A	96.50	6.13	12/15/2020	600	592	579
ELDORADO RESORTS 4/17 COV-LITE	99.56	0.61	4/17/2024	364	364	362
EMERALD AVIATION FINA 1 B 144A	101.41	6.35	10/15/2038	4,650	4,767	4,716
EMPIRE GENERATING 3/14 TLB	72.00	1.12	3/12/2021	1,700	1,620	1,224
EMPIRE GENERATING 3/14 TLC	72.00	1.12	3/12/2021	168	160	121
ENCORE CAPITAL TRUST III	97.23	0.04	7/1/2037	4,400	4,400	4,278
ENDO DAC / ENDO FINANCE L 144A	78.00	6.00	2/1/2025	892	801	696
ENDO FINANCE LLC / ENDO F 144A	80.00	5.38	1/15/2023	250	187	200
ENDO PHARMACEUTICALS 4/17	99.75	0.02	4/29/2024	1,748	1,740	1,744
ENDURANCE INTERNATIONAL 6/18	99.79	0.13	2/9/2023	1,065	1,065	1,062
ENERGIZER GAMMA ACQUISITI 144A	101.69	6.38	7/15/2026	389	389	396
ENERGY TRANSFER EQUITY 10/17	99.01	0.06	2/2/2024	2,391	2,385	2,367
ENPRO INDUSTRIES INC	102.00	5.88	9/15/2022	724	748	738
ENSCO PLC	94.47	7.75	2/1/2026	386	386	365
ENVISION HEALTHCARE 11/16 TLB	99.79	0.01	12/1/2023	1,443	1,429	1,440
EOC GROUP INC (EXPRESS OIL)	100.00	-	6/11/2018	181	181	181
EP ENERGY LLC / EVEREST A 144A	77.50	8.00	2/15/2025	1,496	1,496	1,159
EP ENERGY LLC / EVEREST A 144A	82.00	9.38	5/1/2024	631	498	517
EPICOR 6/15 (MUL) COV-LITE RC	98.81	-	6/1/2020	188	188	185
EPICOR 6/15 (USD) RC	98.81	-	6/1/2020	563	563	556
EPICOR 6/15 COV-LITE TL	99.63	-	6/1/2022	3,059	3,008	3,048
EPICOR SOFTWARE CORP 144A	100.00	10.56	6/30/2023	428	415	428
EURO GARAGES/EG GROUP 3/18	99.03	0.02	2/7/2025	1,223	1,217	1,211
EURO GARAGES/EG GROUP 3/18 2ND	98.58	1.76	3/23/2026	595	589	586
EXANTAS CAPITAL CO RSO6 C 144A	99.95	3.81	6/15/2035	1,000	1,000	999

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EXCELITAS 11/17 (USD) TL	99.94	0.02	12/2/2024	352	352	352
EXCELITAS 11/17 2ND LIEN TL	102.00	0.80	11/15/2025	188	186	192
EXGEN TEXAS (LX173402)	34.50	-		39	1,894	1,351
EXGEN TEXAS 9/14 COV-LITE TL	-	92.53	9/18/2021	-	-	-
EXGEN TEXAS 9/14 COV-LITE TL	-	93.46	9/18/2021	-	-	-
EXPRESS OIL 2/18 DELAYED TL	99.00	0.15	12/31/2021	110	110	109
EXPRESS OIL 2/18 DELAYED TL	99.00	0.15	12/31/2021	152	152	151
EXPRESS OIL 2/18 TL	99.00	0.15	12/31/2021	685	681	678
EXPRESS OIL/MAVIS TIRE 3/18 2N	97.83	0.27	3/13/2026	948	948	927
EXTENDED STAY 5/18 TLB	99.30	0.01	8/30/2023	1,235	1,229	1,227
FAIR SQUARE FIN RECEIVABLES	100.00	-	8/2/2019	16,685	16,685	16,685
FALCON AEROSPACE LTD 1 A 144A	100.17	4.58	2/15/2042	2,050	2,050	2,053
FALCON AEROSPACE LTD 1 B 144A	99.90	6.30	2/15/2042	1,549	1,542	1,547
DFD I LTD 1A D 144A	100.01	7.50	11/12/2030	2,000	1,965	2,000
DFD II LTD 2A B 144A	99.98	5.29	5/12/2031	2,000	1,998	2,000
DFD II LTD 2A C 144A	99.94	6.29	5/12/2031	1,000	999	999
FEDERAL MOGUL 4/14 TLC	100.02	0.24	4/15/2021	2,267	2,194	2,268
FERRELLGAS LP / FERRELLGAS FIN	87.00	6.75	6/15/2023	270	270	235
FERRELLGAS LP / FERRELLGAS FIN	90.50	6.75	1/15/2022	1,604	1,510	1,452
FERRELLGAS LP / FERRELLGAS FIN	91.75	6.50	5/1/2021	750	703	688
FERRO 4/18 (USD) COV-LITE TLB2	99.54	0.01	2/14/2024	68	68	68
FERRO 4/18 (USD) COV-LITE TLB3	99.54	0.01	2/14/2024	67	67	67
FIELDWOOD ENERGY 4/18 2ND LIEN	96.58	0.03	4/11/2023	2,966	2,314	2,865
FIELDWOOD ENERGY INC	49.06	-		19	922	918
FIRST DATA 11/17 TL	99.34	0.06	4/26/2024	1,744	1,742	1,733
FIRST DATA 6/17 TL	99.50	0.06	7/8/2022	597	596	594
FIRST NLC TRUST 2007 1 A1 144A	61.82	2.16	8/25/2037	1,621	1,025	1,002
FIRST NLC TRUST 2007 1 A4 144A	63.33	2.37	8/25/2037	1,632	1,066	1,034
FIRST QUANTUM MINERALS LT 144A	95.75	6.88	3/1/2026	745	745	713
FIRST QUANTUM MINERALS LT 144A	96.50	6.50	3/1/2024	800	800	772
FIRST QUANTUM MINERALS LT 144A	98.69	7.50	4/1/2025	746	735	736
FIRSTKEY MASTER FUN R1 M4 144A	94.55	2.22	11/3/2041	2,500	2,240	2,364
FIRSTLIGHT FIBER 6/18 TL	99.63	-	6/19/2025	300	299	299
FLAGSHIP VII LTD 7A A1R 144A	100.00	3.48	1/20/2026	1,371	1,371	1,371
FLAGSTAR HOME EQUI 1A AF4 144A	100.55	6.44	1/25/2035	1,121	1,072	1,127
FLEETPRIDE 4/18 COV-LITE TL	100.38	0.02	11/19/2022	1,426	1,383	1,431
FLEXI-VAN LEASING INC 144A	94.50	10.00	2/15/2023	100	98	95
FLINT GROUP 2/17 INCREMENTRAL	-	0.82	9/7/2021	-	-	-
FLINT GROUP 5/14 (USD)	-	0.55	9/7/2021	-	-	-
FNMA POOL #0BF0177	96.06	3.00	2/1/2057	2,236	2,223	2,148
FOGO DE CHAO 3/18 COV-LITE TL	100.00	0.02	3/21/2025	775	771	775
FORTRESS CREDIT OP 9A A1T 144A	100.01	3.89	11/15/2029	5,200	5,200	5,200
FORTRESS CREDIT OPPO 7A B 144A	100.41	5.29	12/15/2028	3,000	3,000	3,012
FORTRESS CREDIT OPPO 9A B 144A	100.41	4.29	11/15/2029	3,000	3,000	3,012
FRONTIER COMMUNICATIONS CORP	100.50	8.13	10/1/2018	1,875	2,002	1,884
FRONTIER COMMUNICATIONS CORP	100.75	7.13	3/15/2019	183	186	184
FS SENIOR FUNDING 20 1A B 144A	100.11	4.99	5/28/2025	4,000	4,000	4,004
GAHR COMMERCIAL M NRF GFX 144A	97.80	3.49	12/15/2034	4,788	4,665	4,683
GALAXY XVIII CLO L 18A AR 144A	99.98	3.52	10/15/2026	2,600	2,600	2,600
GARDNER DENVER 8/17 (USD)	99.96	0.01	7/30/2024	2,133	2,133	2,132
GATES GLOBAL 11/17 (USD)	99.84	0.01	4/1/2024	3,098	3,008	3,094
GATES GLOBAL LLC / GATES 144A	101.25	6.00	7/15/2022	954	902	966
GCAT 2017-1 LLC 1 A1 144A	99.33	3.38	3/25/2047	0	0	0
GCAT 2018-1 LLC 1 A1 144A	99.93	3.84	6/25/2048	1,691	1,691	1,690
GCI LLC	101.00	6.75	6/1/2021	1,400	1,446	1,414
GCI LLC	103.50	6.88	4/15/2025	720	731	745

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
GENESIS ENERGY LP / GENESIS EN	93.50	5.63	6/15/2024	1,625	1,571	1,519
GENESIS ENERGY LP / GENESIS EN	96.00	6.50	10/1/2025	1,737	1,748	1,668
GENESYS 2/18 (USD) COV-LITE	99.88	0.02	12/1/2023	1,739	1,713	1,737
GENWORTH FINANCIAL 2/18 TL	-	0.16	2/28/2023	-	-	-
GEO GROUP 4/18 TLB	99.46	0.01	3/22/2024	628	625	624
GETTY IMAGES COV-LITE TLB	96.42	0.02	10/18/2019	299	286	288
GFL ENVIRONMENTAL 5/18 COV-	99.25	-	5/9/2025	151	151	150
GFL ENVIRONMENTAL 5/18 COV-	99.25	0.01	5/9/2025	1,192	1,189	1,183
GIVE & GO 8/17 COV-LITE TL	93.75	0.02	7/29/2023	1,519	1,515	1,424
GLENN POOL OIL & GAS TRUST II	99.00	6.00	8/2/2021	4,059	4,034	4,018
GLOBAL SC FINANCE II 1A A 144A	98.16	2.98	4/17/2028	967	957	949
GLOBALLOGIC 1/18 TLB	100.00	0.02	6/20/2022	420	410	420
GOLDEN NUGGET INC 144A	100.02	6.75	10/15/2024	1,082	1,071	1,082
GOLDEN NUGGET INC 144A	102.72	8.75	10/1/2025	975	975	1,002
GOLDEN NUGGET/LANDRYS 9/17	99.81	0.25	10/4/2023	1,034	1,034	1,032
GOLUB CAPITAL BDC C 1A BR 144A	99.99	3.76	4/25/2026	3,350	3,350	3,350
GOLUB CAPITAL PART 16A BR 144A	100.68	4.61	7/25/2029	2,700	2,700	2,718
GOLUB CAPITAL PART 25A BR 144A	99.00	4.02	5/5/2030	2,000	2,000	1,980
GOLUB CAPITAL PARTN 36A C 144A	98.25	4.19	2/5/2031	2,000	2,000	1,965
GOODPACK 6/18 2ND LIEN TL	100.00	0.21	6/10/2024	359	357	359
GOODPACK 6/18 TL	99.92	0.17	6/8/2023	1,808	1,803	1,806
GOPHER RESOURCE 2/18 COV-LITE	100.00	-	2/9/2025	299	300	299
GRAFTECH 2/18 COV-LITE TLB	99.31	-	1/31/2025	550	549	546
GREAT LAKES DREDGE & DOCK CORP	102.25	8.00	5/15/2022	200	203	205
GREATBATCH/INTEGER 11/17 TLB	100.11	0.28	10/27/2022	1,247	1,235	1,249
GRIFOLS 1/17 TLB	100.00	0.04	1/31/2025	2,133	2,132	2,133
GROCERY OUTLET 6/17 COV-LITE	99.88	0.02	10/21/2021	560	559	560
GROSVENOR PLACE CL 1X BRR REGS	115.97	1.60	10/30/2029	975	1,197	1,131
GROSVENOR PLACE CL 1X DRR REGS	115.25	5.40	10/30/2029	2,165	2,618	2,495
GROSVENOR PLACE CL 1X ERR REGS	115.08	7.25	10/30/2029	115	138	132
GS MORTGAGE SECURI GSFL D 144A	100.41	5.34	7/15/2031	984	985	988
GS MORTGAGE SECURI STAY E 144A	99.61	4.22	7/15/2032	1,900	1,900	1,893
GSAA HOME EQUITY TRUST 2 16 A2	51.27	2.26	10/25/2036	2,027	1,084	1,039
GSAA HOME EQUITY TRUST 20 7 A4	95.34	2.36	7/25/2037	619	551	590
GSAMP TRUST 2002-H HE2 A1 144A	100.60	3.12	10/20/2032	1,844	1,837	1,856
GSAMP TRUST 2007-NC1 NC1 A1	68.59	2.22	12/25/2046	2,440	1,688	1,674
GT LOAN FINANCING I 1A C 144A	99.99	5.61	10/28/2024	1,500	1,506	1,500
GTT 5/18 (USD) COV-LITE TL	98.43	0.32	5/31/2025	1,686	1,677	1,659
GULF FINANCE 8/16 TLB	86.08	0.02	8/25/2023	1,884	1,865	1,622
GVC HOLDING 3/18 (USD) TLB	-	0.03	3/15/2024	-	-	-
HALCYON LOAN ADVISOR 1A C 144A	100.00	5.58	7/21/2031	535	535	535
HAMILTON SUNDSTRAND/ACCUDYNE	99.67	0.01	8/18/2024	589	587	587
HANESBRANDS INC 144A	96.50	4.88	5/15/2026	409	419	395
HANSON BUILDING 4/17 COV-LITE	93.23	0.01	10/25/2023	2,782	2,726	2,594
HARLAND CLARKE 10/17 B7	97.17	0.02	11/1/2023	2,376	2,364	2,309
HARLAND CLARKE HOLDINGS C 144A	98.00	8.38	8/15/2022	850	871	833
HARRAH'S 10/17 COV-LITE TL	99.17	0.01	10/7/2024	1,990	2,000	1,973
HARVEST CLO X DA 10X DRNE REGS	117.18	2.52	11/15/2028	1,850	2,153	2,168
HARVEST CLO X DAC 10X DR REGS	117.18	2.52	11/15/2028	1,910	2,222	2,238
HARVEST CLO X DAC 10X E REGS	116.32	4.67	11/15/2028	3,875	4,564	4,508
HARVEST CLO XIV DA 14A DR 144A	116.86	2.50	11/18/2029	500	592	584
HARVEST CLO XIV DA 14A ER 144A	116.07	4.65	11/18/2029	4,080	4,833	4,736
HAYFIN KINGSLAND IX 9A BR 144A	99.98	4.16	4/28/2031	7,670	7,670	7,668
HAYFIN KINGSLAND IX 9A CR 144A	99.82	4.71	4/28/2031	7,270	7,270	7,257
HAYFIN KINGSLAND IX 9A DR 144A	99.75	5.52	4/28/2031	4,940	4,891	4,928
HAYWARD INDUSTRIES 8/17	100.06	0.02	8/5/2024	306	305	306

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HAYWARD INDUSTRIES 8/17 2ND	100.00	0.03	8/4/2025	300	295	300
HD SUPPLY WATERWORKS 8/17	99.88	0.43	8/1/2024	234	234	234
HERTZ CORP/THE 144A	96.00	7.63	6/1/2022	1,185	1,185	1,138
HI-CRUSH 12/17 TLB	99.69	0.02	12/16/2024	2,327	2,309	2,320
HIGHBRIDGE LOAN MANA 18 B 144A	100.00	4.22	7/18/2031	1,860	1,860	1,860
HIGHLAND PARK CDO I 1A A2 144A	95.02	2.73	11/25/2051	1,130	1,034	1,074
HILEX POLY/NOVOLEX 6/18	99.71	-	6/20/2025	1,297	1,294	1,293
HILLMAN 5/18 DELAYED TL	99.56	-	5/16/2025	47	47	47
HILLMAN 5/18 TLB	99.56	-	5/16/2025	153	152	152
HOLLAND PARK CLO DAC 1X D REGS	116.75	4.42	5/14/2027	11,820	12,646	13,800
HOLLAND PARK CLO DAC 1X E REGS	114.93	5.42	5/14/2027	1,275	1,501	1,465
HOME EQUITY LOAN TRU FRE1 1AV1	93.97	2.28	4/25/2037	1,328	1,262	1,248
HOME EQUITY LOAN TRUS HSA3 AI5	100.50	6.73	6/25/2037	5,000	4,638	5,025
HOSPITALITY PROPERTIES TRUST	101.47	5.25	2/15/2026	221	239	224
HOUGHTON MIFFLIN 5/15 COV-LITE	93.05	0.01	5/11/2021	2,387	2,324	2,221
HUB INTERNATIONAL 4/18 (USD)	99.34	0.89	4/18/2025	733	731	728
HUB INTERNATIONAL LTD 144A	98.75	7.00	5/1/2026	1,229	1,229	1,214
HUDSONS BAY 8/15 COV-LITE TLB	93.15	0.03	9/30/2022	583	580	543
HUGHES SATELLITE SYSTEMS CORP	92.50	6.63	8/1/2026	699	696	647
HUGHES SATELLITE SYSTEMS CORP	93.75	5.25	8/1/2026	1,540	1,508	1,444
HUNT CRE 2017-FL1 L FL1 C 144A	99.37	4.47	8/15/2034	1,000	1,000	994
HUSKY IMS 3/18 COV-LITE TLB	98.36	0.01	3/14/2025	761	759	749
HYPERION INSURANCE 12/17 (USD)	100.03	0.02	12/20/2024	1,276	1,270	1,277
ICAHN ENTERPRISES LP / ICAHN E	100.13	6.38	12/15/2025	1,150	1,150	1,151
ICAHN ENTERPRISES LP / ICAHN E	102.00	6.25	2/1/2022	450	464	459
ICSH 4/17 COV-LITE DELAYED TL	99.75	0.01	4/29/2024	268	268	267
ICSH 4/17 COV-LITE TL	99.75	-	4/29/2024	2,235	2,224	2,229
IMG WORLDWIDE 5/18 TLB	99.13	0.01	5/16/2025	1,367	1,364	1,355
IMMUCOR 6/17 TL	101.04	0.02	6/25/2021	1,643	1,582	1,660
IMPLUS FOOTCARE 5/15 TL	99.29	-	5/7/2019	944	930	937
IMPLUS FOOTCARE 6/16 SPENCO	99.29	0.27	4/30/2021	181	181	180
INDIGO NATURAL RESOURCES 144A	96.50	6.88	2/15/2026	150	150	145
INDYMAC INDX MORTGAGE AR6 1A1A	93.56	2.48	6/25/2046	2,864	2,660	2,679
INEOS 10/17 (USD) TLB	99.33	0.01	3/31/2024	1,708	1,708	1,697
INFOR (LAWSON) 2/17 (USD) B6	99.43	0.01	2/1/2022	1,626	1,589	1,617
INFORMATICA 1/18 (USD)	100.05	0.01	8/5/2022	3,351	3,245	3,353
INSIGHT FOURTH HOSPITALITY 1ST	130.91	-	7/15/2021	800	1,227	1,047
INTELSAT JACKSON 11/17 TLB3	99.67	0.05	11/30/2023	2,495	2,480	2,487
INTELSAT JACKSON 12/17 TLB4	103.66	0.06	1/2/2024	88	88	91
INTELSAT JACKSON HOLDINGS SA	99.25	7.50	4/1/2021	980	980	973
INTELSAT JACKSON HOLDINGS SA	99.50	7.25	10/15/2020	326	326	324
INVENERGY THERMAL 10/15 TLB	99.00	0.02	10/19/2022	1,186	1,149	1,174
ION MEDIA 5/17 TL	99.81	0.01	12/18/2020	1,823	1,805	1,819
ION TRADING TECHNOLOGIES 5/18	99.00	-	11/21/2024	2,237	2,231	2,214
IRB HOLDING CORP 144A	95.50	6.75	2/15/2026	1,250	1,228	1,194
ISHARES MSCI EMERGING MARKET	5.00	-	1/18/2019	5	893	27
ISRAEL GOVERNMENT BOND - FIXED	27.44	0.50	10/31/2018	15,400	4,347	4,226
J2 CLOUD SERVICES LLC / J 144A	101.25	6.00	7/15/2025	252	252	255
JACKS FAMILY 5/18 COV-LITE TLB	99.75	0.02	4/5/2024	1,831	1,815	1,826
JACKSON MILL CLO LT 1A CR 144A	99.25	4.19	4/15/2027	1,000	1,000	993
JAMAICA MERCHANT VOUCHER	99.37	1.58	7/8/2022	1,736	1,736	1,725
JANE STREET 2/18 (USD) TLB	100.63	0.02	8/25/2022	195	195	196
JB POINDEXTER & CO INC 144A	102.50	7.13	4/15/2026	655	655	671
JBS USA 1/18 TL	99.15	0.16	10/30/2022	2,895	2,871	2,871
JEFFERIES FINANCE LLC / J 144A	98.00	7.25	8/15/2024	945	946	926
JONAH ENERGY LLC / JONAH 144A	80.75	7.25	10/15/2025	1,637	1,643	1,322

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JP MORGAN MORTGAGE ACQ WMC3 A5	79.54	2.33	8/25/2036	2,421	1,922	1,926
JP MORGAN MORTGAGE ACQ WMC4 A5	62.15	2.30	12/25/2036	2,690	1,661	1,672
JUBILEE CLO 2014-XI 14X E REGS	115.88	4.67	1/15/2028	7,192	8,516	8,334
JUBILEE CLO 2015-X 15X DR REGS	117.09	2.67	7/12/2028	2,680	3,206	3,138
JUBILEE CLO 2015-X 16X ER REGS	115.36	4.60	12/15/2029	8,170	9,681	9,425
JUBILEE CLO 2015-XV 15X E REGS	115.60	4.62	7/12/2028	2,040	2,414	2,358
JUPITER RESOURCES INC 144A	41.00	8.50	10/1/2022	3,355	2,799	1,376
KAR AUCTION SERVICES INC 144A	95.50	5.13	6/1/2025	576	576	550
KEHE DISTRIBUTORS LLC / K 144A	97.25	7.63	8/15/2021	1,250	1,263	1,216
KEUKA PARK CLO LTD 1A SUB 144A	3.33	-	10/21/2024	2,249	1,092	75
KINDRED HEALTHCARE 6/18 TL	99.00	-	6/23/2025	1,706	1,706	1,689
KINROSS GOLD CORP 144A	91.75	4.50	7/15/2027	1,488	1,488	1,365
KISSNER HOLDINGS LP / KIS 144A	102.25	8.38	12/1/2022	4,500	4,500	4,601
KNOWLEDGE UNIVERSE 4/17 TL	99.63	-	8/12/2022	2,628	2,601	2,618
KOSMOS ENERGY LTD 144A	101.63	7.88	8/1/2021	2,176	2,122	2,211
KRONOS 4/17 TLB	99.73	0.89	11/1/2023	1,929	1,919	1,924
KVK CLO 2013-1 LTD 1A AR 144A	99.91	3.25	1/15/2028	2,600	2,600	2,598
KVK CLO 2013-1 LTD 1A SUB 144A	47.40	-	1/15/2028	7,100	2,596	3,365
KVK CLO 2018-1 LTD 1A B 144A	99.98	3.98	5/20/2029	2,000	2,000	2,000
LAIRD 5/18 TL	99.46	-	5/2/2025	1,467	1,423	1,459
LANDESK SOFTWARE 1/17 COV-LITE	98.94	0.02	1/20/2024	741	740	733
LANDS' END 3/14 COV-LITE TLB	96.50	0.01	4/4/2021	249	238	241
LAS VEGAS SANDS 3/18 TLB	99.23	-	3/29/2025	1,060	1,057	1,052
LBC TANK TERMINALS HOLDIN 144A	101.00	6.88	5/15/2023	2,500	2,519	2,525
LEHMAN XS TRUST SERIE 10N 1A3A	96.30	2.30	7/25/2046	782	620	753
LEHMAN XS TRUST SERIES 16N A31	95.56	2.30	11/25/2046	2,122	1,995	2,028
LEHMAN XS TRUST SERIES 16N A4A	97.33	2.28	11/25/2046	3,135	2,517	3,051
LEVEL 3 2/17 TLB	99.63	0.09	2/22/2024	1,111	1,108	1,107
LONG BEACH MORTGAGE LOAN 7 2A3	55.59	2.25	8/25/2036	1,778	1,008	988
LOUISIANA-PACIFIC CORP	98.25	4.88	9/15/2024	2,660	2,640	2,613
LPL 9/17 TLB	99.38	0.12	9/23/2024	1,412	1,408	1,403
LPL HOLDINGS INC 144A	97.25	5.75	9/15/2025	1,875	1,875	1,823
LSTAR SECURITIES 4/17 TL	99.75	-	4/7/2020	3,915	3,905	3,905
LSTAR SECURITIES INV 2 A1 144A	100.04	3.48	4/1/2023	4,129	4,129	4,130
LSTAR SECURITIES INVE 6 A 144A	100.00	3.73	9/1/2022	3,887	3,884	3,887
LSTAR SECURITIES INVE 8 A 144A	99.64	0.04	11/1/2022	1,406	1,405	1,401
LSTAR SECURITIES INVE 9 A 144A	100.00	0.04	12/1/2022	3,284	3,281	3,284
LUCID ENERGY GROUP 2/18 TL	99.38	0.17	1/31/2025	1,784	1,777	1,773
LUMENTUM 1L CL BRIDGE	100.00	-	6/7/2019	150	150	150
LUMINENT MORTGAGE TRUST 2 A1A	91.19	2.29	2/25/2046	546	488	498
LYTX 3/18 TL	97.87	0.02	3/15/2023	158	153	155
LYTX 8/17 RC	87.50	-	8/31/2022	39	35	35
LYTX 8/17 TL	97.87	0.02	8/31/2023	705	688	690
M/I HOMES INC	93.50	5.63	8/1/2025	799	799	747
MACDERMID 3/17 (USD) B6	100.00	0.01	6/7/2023	1,327	1,321	1,327
MADISON PARK FUNDI 11A DR 144A	100.04	5.61	7/23/2029	250	250	250
MADISON PARK FUNDI 14A DR 144A	100.01	5.61	7/20/2026	986	986	986
MADISON PARK FUNDI 17A CR 144A	100.70	4.76	7/21/2030	280	283	282
MADISON PARK FUNDI 20A DR 144A	100.00	0.01	7/27/2030	1,245	1,245	1,245
MADISON PARK FUNDI 26A DR 144A	100.00	5.36	10/29/2030	305	307	305
MADISON PARK FUNDIN 27A B 144A	100.00	3.85	4/20/2030	930	931	930
MADISON PARK FUNDIN 27A C 144A	98.50	4.65	4/20/2030	290	289	286
MALLINCKRODT 2/17 TLB	97.88	0.01	9/24/2024	1,303	1,308	1,275
MARATHON CLO V LTD 5A A2R 144A	99.42	3.78	11/21/2027	1,000	1,000	994
MATTAMY GROUP CORP 144A	98.06	6.50	10/1/2025	980	980	961
MAXLINEAR 4/17 COV-LITE TLB	99.75	0.19	5/13/2024	241	240	240

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MCAFFEE 9/17 (USD) COV-LITE TLB	100.41	0.02	9/30/2024	354	353	356
MCGRAW-HILL 5/16 COV-LITE TLB	97.67	0.02	5/4/2022	3,605	3,585	3,521
MCGRAW-HILL GLOBAL EDUCAT 144A	92.50	7.88	5/15/2024	460	420	426
MDC PARTNERS INC 144A	86.75	6.50	5/1/2024	650	583	564
MEDALLION MIDLAND 10/17 TLB	99.00	0.01	10/30/2024	675	674	669
MEDNAX INC 144A	97.50	5.25	12/1/2023	875	884	853
MEDPRO SAFETY PRODUCTS INC	-	-		1	-	-
MEG ENERGY 1/17 COV-LITE TLB	99.93	-	12/31/2023	469	468	468
MEREDITH 1/18 COV-LITE TL	99.88	0.01	1/31/2025	2,105	2,113	2,102
MERRILL LYNCH ALTERNAT OAR3 A1	91.07	2.15	7/25/2047	4,433	3,531	4,037
MICHAELS STORES 5/18 TLB	99.15	0.20	1/30/2023	1,035	1,037	1,027
MICRO FOCUS 4/17 (USD)	99.44	0.01	6/21/2024	102	102	101
MICRO FOCUS 4/17 COV-LITE TLB2	99.50	0.01	11/19/2021	765	757	761
MICRO FOCUS 6/17 (SEATTLE)	99.44	0.01	6/21/2024	689	687	685
MICROCHIP TECHNOLOGY 5/18 TLB	99.79	0.01	5/23/2025	531	531	530
MICROCONNECTIONS 7/15 (USD)	100.19	-	10/14/2022	0	-	-
MISYS 4/17 2ND LIEN (USD)	96.16	0.80	6/13/2025	1,352	1,378	1,300
MISYS 6/17 (USD) COV-LITE TLB	98.14	0.48	6/13/2024	2,925	2,928	2,871
MOHEGAN TRIBAL 9/16 TLB	94.15	0.02	9/30/2023	1,854	1,841	1,745
MONARCH GROVE CLO 1 1A A1 144A	99.90	3.24	1/25/2028	2,800	2,800	2,797
MONEYGRAM PAYMENT 3/13 TL	96.50	0.01	3/27/2020	2,297	2,166	2,217
MOOG INC 144A	102.00	5.25	12/1/2022	137	140	140
MORGAN STANLEY ABS CAP HE1 A2D	68.96	2.32	11/25/2036	1,415	996	976
MORGAN STANLEY ABS CAP HE8 A2D	61.94	2.31	10/25/2036	1,631	1,016	1,010
MORGAN STANLEY ABS CAPI HE6 A4	91.73	2.34	5/25/2037	1,099	1,007	1,008
MOXIE PATRIOT 12/13 TLB1	98.75	0.02	12/19/2020	404	385	399
MP CLO VII LTD 1A A1R 144A	99.95	3.20	4/18/2027	2,500	2,500	2,499
MP CLO VIII LTD 2A CR 144A	99.89	4.26	10/28/2027	2,000	2,000	1,998
MPT OPERATING PARTNERSHIP LP /	95.50	5.00	10/15/2027	763	763	729
MWI HOLDINGS 4/18 COV-LITE TLB	99.75	0.02	9/30/2024	702	699	700
NAI ENTERTAINMENT 4/18	99.38	0.01	4/25/2025	206	205	204
NATIONSTAR HOME EQUITY B 2AV4	96.81	2.41	4/25/2037	1,000	965	968
NAVIENT CORP	96.63	5.88	10/25/2024	875	862	845
NBTY 8/17 COV-LITE TL	92.90	0.02	9/15/2024	2,391	2,304	2,222
NCI BUILDING SYSTEMS 2/18	99.53	0.01	1/26/2025	113	112	112
NES GLOBAL 4/18 TLB	99.50	1.00	12/31/2021	200	196	199
NETFLIX INC 144A	100.97	5.88	11/15/2028	1,331	1,331	1,344
NEW ARCLIN 1/18 TL	100.00	0.02	2/14/2024	707	704	707
NEW GOLD INC 144A	101.00	6.25	11/15/2022	900	920	909
NEWMARK CAPITAL FUND 1A C 144A	99.70	4.50	6/2/2025	750	712	748
NEWSTAR COMMERCIAL 1A CN 144A	100.88	5.70	3/20/2027	1,000	1,000	1,009
NEWSTAR EXETER FUND 1RA B 144A	100.00	5.36	1/20/2027	1,000	999	1,000
NFP 1/17 COV-LITE TLB	99.25	0.01	1/8/2024	1,794	1,786	1,781
NOMURA RESECURITIZ 1R 1A1 144A	100.35	4.96	1/28/2038	362	360	364
NORTH AMERICAN BANCARD 12/17	99.31	0.01	7/1/2024	1,195	1,189	1,187
NORTH WESTERLY CLO I X DR REGS	116.74	2.83	1/15/2026	1,035	1,290	1,208
NORTHSTAR FINANCIAL 5/18	99.83	0.08	5/25/2025	100	100	100
NORTHWEST ACQUISITIONS UL 144A	99.75	7.13	11/1/2022	76	75	76
NOVA CHEMICALS CORP 144A	94.75	5.00	5/1/2025	900	872	853
N-STAR REL CDO VIII 8A A2 144A	99.44	2.34	2/1/2041	4,867	4,614	4,840
NUMERICABLE / YPSO / ALTICE	97.88	1.06	1/31/2026	2,488	2,482	2,435
NUMERICABLE / YPSO / ALTICE	98.18	1.11	1/31/2026	2,039	2,034	2,002
NUMERICABLE / YPSO / ALTICE	98.32	1.06	7/15/2025	730	729	718
NUMERICABLE / YPSO / ALTICE 3/	97.77	0.01	7/31/2025	489	488	478
NXT CAPITAL CLO 201 1A CR 144A	99.97	4.56	4/21/2027	2,500	2,500	2,499
NXT CAPITAL CLO 201 1A DR 144A	100.02	5.66	4/21/2027	2,000	2,000	2,000

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RETIREMENT SYSTEM INVESTMENT COMMISSION

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NXT CAPITAL CLO 2017 1A B 144A	100.60	4.71	4/20/2029	1,000	1,000	1,006
OBERTHUR 12/16 (USD) COV-LITE	99.58	0.02	1/10/2024	1,156	1,154	1,151
OCI BEAUMONT 2/18 TLB	100.69	0.02	2/14/2025	698	697	702
OCP CLO 2014-7 LT 7A A2AR 144A	99.67	3.76	10/20/2026	2,550	2,550	2,541
OCP CLO 2015-10 LT 10A CR 144A	99.18	4.96	10/26/2027	435	435	431
OCP CLO 2015-8 LTD 8A CR 144A	99.48	5.15	4/17/2027	3,420	3,424	3,402
OCP CLO 2017-14 LTD 14A B 144A	100.07	4.28	11/20/2030	440	440	440
OCP CLO 2018-15 LTD 15A C 144A	100.00	5.33	7/20/2031	975	975	975
OCTAGON INVESTMENT 1A AR 144A	99.99	3.45	4/15/2026	1,257	1,257	1,257
OCTAGON INVESTMENT 1A CRR 144A	100.00	4.26	1/22/2030	1,230	1,232	1,230
OCTAGON LOAN FUND 1X COMB REGS	84.07	-	11/18/2026	6,700	6,067	5,633
OCWEN MASTER ADVAN T2 AT2 144A	99.47	2.72	8/16/2049	5,200	5,196	5,172
ONE CALL MEDICAL 4/18 TLB	95.50	0.30	11/27/2022	2,110	2,076	2,015
ONYX 12/16 RC	100.00	-	12/20/2021	87	87	87
ONYX 12/16 TL	99.67	-	12/20/2021	1,859	1,850	1,853
ORIENT-EXPRESS HOTELS /	100.00	0.01	7/3/2024	1,234	1,224	1,234
ORTHO-CLINICAL 5/18 TLB	99.56	0.33	12/31/2021	2,417	2,380	2,406
ORTHO-CLINICAL DIAGNOSTIC 144A	97.75	6.63	5/15/2022	2,600	2,490	2,542
ORWELL PARK CLO DES 1X CR REGS	117.37	2.70	7/18/2029	1,060	1,250	1,244
ORWELL PARK CLO DESI 1X D REGS	114.89	4.45	7/18/2029	11,736	13,725	13,483
ORWELL PARK CLO DESI 1X E REGS	110.34	5.20	7/18/2029	3,100	2,978	3,420
OSMOSE HOLDINGS 8/15 COV-LITE	100.25	0.02	8/18/2022	1,174	1,171	1,177
OSUM PRODUCTION 7/14 TL	87.00	0.02	7/31/2020	1,995	1,750	1,735
PACKAGING COORDINATORS 6/16	99.94	0.02	6/30/2023	1,372	1,348	1,371
PARADIGM 10/17 COV-LITE TL	100.38	0.02	10/4/2024	689	687	692
PARALLEL 2015-1 LTD 1A DR 144A	99.06	4.91	7/20/2027	260	260	258
PAREXEL INTERNATIONAL 8/17 TLB	99.38	0.01	9/27/2024	384	382	382
PARK AVENUE INSTITUT 1A B 144A	100.23	3.98	11/14/2029	2,605	2,612	2,611
PAYSAFE 12/17 (USD) TL	98.50	-	1/3/2025	1,566	1,556	1,543
PBF HOLDING CO LLC / PBF FINAN	105.13	7.25	6/15/2025	2,109	2,134	2,217
PENN ENGINEERING 6/17 USD	99.88	-	6/27/2024	171	171	171
PENSKE AUTOMOTIVE GROUP INC	98.00	5.50	5/15/2026	1,284	1,270	1,258
PENTA CLO 2 BV 2X E REGS	114.87	4.55	8/4/2028	6,720	7,973	7,719
PENTA CLO 2 BV 2X F REGS	113.09	5.48	8/4/2028	1,435	1,667	1,623
PERMIAN PRODUCTION	99.50	0.27	9/5/2024	750	720	746
PET HOLDINGS 6/16 DELAYED TL	98.25	7.74	7/5/2022	119	119	117
PET HOLDINGS 6/16 TL	98.25	1.92	6/27/2023	1,054	1,038	1,036
PETCO 1/17 COV-LITE TLB1	72.00	0.95	1/26/2023	2,739	2,688	1,972
PETROCHOICE HOLDINGS 9/15	100.25	0.59	7/3/2022	973	948	975
PFP 2017-3 LTD 3 C 144A	100.28	4.57	1/14/2035	1,000	1,000	1,003
PH GLATFELTER CO	100.25	5.38	10/15/2020	218	222	219
PHOENIX PARK CLO DAC 1X D REGS	116.77	4.77	7/29/2027	2,490	2,711	2,908
PIKES PEAK CLO 1 1A C 144A	99.50	4.49	7/24/2031	1,100	1,100	1,095
PIKES PEAK CLO 1 1A D 144A	99.50	5.54	7/24/2031	2,535	2,535	2,522
PLANVIEW 1/17 TL	99.11	0.02	1/27/2023	988	973	979
PLATFORM SPECIALTY PRODUC 144A	97.75	5.88	12/1/2025	1,482	1,475	1,449
PLATFORM SPECIALTY PRODUC 144A	101.75	6.50	2/1/2022	600	587	611
PODS 5/18 TLB	99.45	0.29	11/21/2024	856	854	851
POST HOLDINGS 5/17 TLA	99.33	0.06	5/24/2024	1,131	1,129	1,124
POST HOLDINGS INC 144A	93.25	5.00	8/15/2026	430	417	401
POST HOLDINGS INC 144A	93.75	5.63	1/15/2028	784	784	735
PQ CORP 2/18 (USD) COV-LITE	99.50	0.01	1/17/2025	625	623	622
PREFERRED TERM SECURITIES 144A	85.33	2.69	6/22/2037	7,069	4,782	6,032
PREFERRED TERM SECURITIES 144A	85.50	2.72	3/22/2037	4,946	3,276	4,229
PREFERRED TERM SECURITIES 144A	86.00	2.74	3/22/2038	1,258	874	1,082
PREFERRED TERM SECURITIES 144A	86.00	2.77	12/22/2035	2,475	1,720	2,128

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PREFERRED TERM SECURITIES 144A	86.00	2.79	3/22/2038	1,979	1,376	1,702
PREFERRED TERM SECURITIES 144A	87.00	2.74	9/22/2036	8,218	5,515	7,149
PREFERRED TERM SECURITIES 144A	87.50	2.82	9/23/2035	285	217	249
PREFERRED TERM SECURITIES 144A	88.00	2.74	3/22/2038	142	117	125
PREFERRED TERM SECURITIES 144A	89.75	2.63	6/22/2037	1,824	1,598	1,637
PREFERRED TERM SECURITIES 144A	91.25	2.64	9/22/2037	21,058	16,448	19,215
PREFERRED TERM SECURITIES 144A	94.25	2.54	12/22/2036	2,226	2,012	2,098
PREFERRED TERM SECURITIES 144A	94.25	2.68	9/22/2036	5,163	4,608	4,866
PREFERRED TERM SECURITIES 144A	94.25	2.84	3/23/2035	1,191	987	1,122
PRIME SECURITY SERVICES B 144A	106.47	9.25	5/15/2023	2,000	2,163	2,129
PROMETRIC 1/18 COV-LITE TL	99.63	0.01	1/17/2025	420	418	419
PROSIGHT GLOBAL INC GTD SR NT	104.13	7.50	11/26/2020	850	890	885
PROTECTION ONE 12/16 COV-LITE	99.41	0.01	5/2/2022	2,564	2,570	2,549
PUTNAM STRUCTURED P 1A A2 144A	98.90	3.07	10/15/2038	1,657	1,419	1,639
QUALITY CARE PROPERTIES/HCP	100.38	0.02	10/31/2022	2,790	2,768	2,800
QUALITY DISTRIBUTION 6/17 TL	100.44	0.02	8/18/2022	1,782	1,759	1,790
QUORUM 4/16TLB	101.58	0.02	4/12/2022	1,780	1,734	1,808
RALI SERIES 2006-QO2 TR QO2 A2	43.73	2.36	2/25/2046	1,684	790	737
RALI SERIES 2006-QO2 TR QO2 A3	45.16	2.43	2/25/2046	3,083	1,452	1,393
RALI SERIES 2006-QO3 TR QO3 A1	48.16	2.30	4/25/2046	1,829	923	881
RALI SERIES 2006-QO6 TR QO6 A1	43.48	2.27	6/25/2046	2,235	1,012	972
RALI SERIES 2006-QO8 QO8 1A3A	93.96	2.29	10/25/2046	1,522	1,328	1,430
RALI SERIES 2007-QO2 TR QO2 A1	63.35	2.24	2/25/2047	1,646	978	1,043
RASPRO TRUST 2005 1A B 144A	96.96	2.98	3/23/2024	6,118	5,824	5,932
REALOGY GROUP LLC / REALO 144A	94.00	4.88	6/1/2023	900	869	846
RECETTE CLO LTD 1A DR 144A	99.45	5.11	10/20/2027	300	302	298
REDSTONE ARSENAL MILITARY 144A	97.41	5.59	9/1/2036	1,000	936	974
REGATTA III FUNDI 1A A1AR 144A	99.99	3.40	4/15/2026	6,300	6,300	6,299
REGATTA IV FUNDING 1A A2R 144A	99.98	3.38	7/25/2026	3,000	3,000	2,999
REGATTA IV FUNDING 1A DR 144A	100.02	5.66	7/25/2026	250	250	250
REGATTA V FUNDING 1A A1AR 144A	99.99	3.52	10/25/2026	2,600	2,600	2,600
REGATTA XI FUNDING 1A C1 144A	99.00	3.90	7/17/2031	650	650	644
REGATTA XI FUNDING L 1A D 144A	99.50	4.90	7/17/2031	1,590	1,590	1,582
RENTPATH 8/17 COV-LITE TL	90.75	0.02	12/17/2021	2,634	2,515	2,390
RESOURCE CAPITAL C CRE5 B 144A	99.68	4.07	7/15/2034	948	948	945
REXNORD 11/17 COV-LITE TL	99.81	0.06	8/21/2024	731	699	730
REYNOLDS GROUP ISSUER INC 144A	100.93	5.85	7/15/2021	250	253	252
RHODE ISLAND 11/15 TLB	100.00	0.02	11/23/2022	1,142	1,115	1,142
RICHMOND PARK CLO 1 1X DR REGS	116.76	4.47	1/14/2027	6,465	7,738	7,548
RICHMOND PARK CLO 1 1X E REGS	116.76	5.67	1/14/2027	1,465	1,709	1,710
RISE 1/14 ABL SERIES B TL	98.50	-	1/31/2021	1,140	1,144	1,123
RISE LTD 1 A	98.50	-	1/31/2021	3,643	3,628	3,589
ROCKWALL CDO II LT 1A B1L 144A	100.00	4.61	8/1/2024	2,215	2,082	2,215
RR 4 LTD 4A C 144A	99.26	5.02	4/15/2030	2,455	2,455	2,437
S & P 500 INDEX (SPX)	1,070.00	-	1/18/2019	0	609	124
SAFE FLEET 2/18 COV-LITE TL	-	0.24	1/23/2025	-	-	-
SANDRIDGE ENERGY INC	17.74	-		75	834	1,323
SBP HOLDINGS 3/14 TL	97.25	0.02	3/27/2021	1,473	1,274	1,433
SCIENTIFIC GAMES 1/18 B5	99.25	0.01	8/14/2024	401	400	398
SEAGATE HDD CAYMAN	97.32	4.88	3/1/2024	900	893	876
SEARS HOLDINGS 12/17 EXTENDED	99.42	18.35	1/20/2019	146	140	145
SEAWORLD 3/17 B5 TLB	99.16	0.01	4/1/2024	2,656	2,556	2,634
SEDGWICK CMS 2/14 2ND LIEN TL	100.31	0.67	2/28/2022	1,000	986	1,003
SEDGWICK CMS 2/14 TL	99.35	0.01	3/1/2021	2,014	1,999	2,001
SERVICEMASTER 11/16 TLC	99.71	0.01	11/8/2023	1,367	1,364	1,363
SHACKLETON 2013-III 3A DR 144A	99.97	4.74	7/15/2030	2,630	2,631	2,629

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SHACKLETON 2015-VII 7A CR 144A	99.83	5.20	4/15/2027	1,000	1,000	998
SHACKLETON 2015-VII 8A DR 144A	99.07	5.06	10/20/2027	2,440	2,440	2,417
SHAPE TECHNOLOGIES 4/18	99.50	0.60	4/19/2025	709	705	705
SIMMONS FOODS INC 144A	86.75	5.75	11/1/2024	725	614	629
SINCLAIR TELEVISION/SINCLAIR	99.56	-	12/12/2024	1,954	1,949	1,946
SIRIUS XM RADIO INC 144A	93.63	5.00	8/1/2027	957	957	896
SIRIUS XM RADIO INC 144A	101.88	6.00	7/15/2024	500	530	509
SLM STUDENT LOAN TRUST 20 5 B2	97.53	0.01	1/26/2043	2,700	2,444	2,633
SMART & FINAL 11/12 COV-LITE T	97.50	0.02	11/15/2022	2,122	2,123	2,069
SOLENIS 7/14 (USD) COV-LITE TL	99.97	-	7/31/2021	0	-	-
SORRENTO PARK CLO DA 1X D REGS	115.68	4.57	11/16/2027	5,995	6,607	6,935
SORRENTO PARK CLO DA 1X E REGS	113.16	5.92	11/16/2027	250	233	283
SOUND PHYSICIANS 6/18 2ND LIEN	100.00	-	6/19/2026	774	772	774
SOUND PHYSICIANS 6/18 TL	99.94	-	6/19/2025	774	772	774
SOUND POINT CLO IX 2A DR 144A	99.20	5.01	7/20/2027	2,485	2,496	2,465
SOUND POINT CLO XX L 2A D 144A	99.75	0.01	7/26/2031	1,620	1,620	1,616
SOUTHCROSS HOLDINGS 8/14	-	0.53	8/4/2021	-	-	-
SOUTHWESTERN ENERGY CO	103.50	7.50	4/1/2026	875	895	906
SPRINGS WINDOW FASHIONS 5/18	96.00	0.26	12/31/2021	300	285	288
SPRINGS WINDOW FASHIONS 5/18	100.38	0.16	12/31/2021	450	446	452
SPRINT COMMUNICATIONS 2/17 TL	99.46	0.01	2/2/2024	2,605	2,605	2,591
SPRINT CORP	102.00	7.63	3/1/2026	500	500	510
SPRINT CORP	103.69	7.88	9/15/2023	3,635	3,706	3,769
SS&C TECHNOLOGIES 4/18 COV-	99.94	0.01	4/16/2025	405	404	405
SS&C TECHNOLOGIES 4/18 COV-	99.94	0.01	4/16/2025	1,070	1,068	1,070
STANDARD INDUSTRIES INC/N 144A	91.75	4.75	1/15/2028	2,500	2,500	2,294
STANWICH MORTGA NPA1 NOTE 144A	99.91	3.84	10/16/2046	433	433	433
STANWICH MORTGAGE NPA1 A1 144A	99.89	3.60	3/16/2022	282	282	282
STAPLES 8/17 TLB	98.59	1.06	9/12/2024	1,834	1,830	1,809
STARS GROUP HOLDINGS BV FRN	100.00	-	12/31/2049	1,100	1,100	1,100
STARWOOD PROPERTY TRUST I 144A	96.00	4.75	3/15/2025	900	887	864
STATION CASINOS 5/16 TLB	99.53	0.01	6/8/2023	802	798	798
STERIGENICS-NORDION 3/17 TL	99.63	0.01	5/15/2022	2,054	2,007	2,047
STRIPES 2013-1 A1 A1 TERM LOAN	99.58	-	3/20/2023	2,666	2,646	2,655
STRUCTURED ASSET SECURI BC3 A3	89.04	2.25	10/25/2036	1,055	943	939
SUBURBAN PROPANE PARTNERS LP/S	93.50	5.88	3/1/2027	1,500	1,496	1,403
SUDBURY MILL CLO LTD 1A D 144A	100.01	5.85	1/17/2026	398	387	398
SUNCOKE ENERGY PARTNERS L 144A	101.75	7.50	6/15/2025	2,192	2,208	2,230
SUNOCO LP / SUNOCO FINANC 144A	94.28	5.88	3/15/2028	150	150	141
SUNSOURCE 11/17 COV-LITE TL	99.63	0.02	12/11/2024	2,032	2,022	2,024
SURGERY CENTER 8/17 COV-LITE	99.65	0.45	9/2/2024	1,099	1,096	1,095
SYMPHONY CLO V LTD 5A C 144A	100.58	6.60	1/15/2024	2,000	2,007	2,012
SYMPHONY CLO XII L 12A DR 144A	100.01	5.60	10/15/2025	1,185	1,185	1,185
SYMPHONY CLO XIV L 14A D1 144A	100.01	5.75	7/14/2026	250	251	250
SYMPHONY CLO XIX LT 19A D 144A	98.89	4.89	4/16/2031	320	318	316
TALBOTS 3/14 COV-LITE TL	98.31	0.02	3/13/2020	1,249	1,240	1,228
TCP WATERMAN CLO LT 1A A2 144A	100.58	5.12	12/15/2028	2,000	2,000	2,012
TDC 6/18 (USD) COV-LITE TL	99.72	-	6/11/2025	571	568	569
TDC 6/18 (USD) COV-LITE TLB2	99.50	-	6/11/2025	1,908	1,898	1,898
TEAM HEALTH 1/17 COV-LITE TL	96.00	0.01	2/6/2024	2,259	2,253	2,168
TECOMET (SYMMETRY MEDICAL)	99.69	0.41	5/1/2024	929	924	926
TECTUM HOLDINGS/TRUCK HERO	100.17	0.15	4/22/2024	199	199	200
TEKNI-PLEX 10/17 (USD)	99.31	-	10/17/2024	935	934	929
TELECOM ITALIA SPA/MILANO 144A	98.63	5.30	5/30/2024	1,244	1,312	1,227
TELENET 5/18 (USD) AN TL	98.96	0.14	8/17/2026	987	986	977
TELESAT CANADA 2/17 TLB	99.16	0.01	11/17/2023	1,481	1,466	1,468

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TELOS CLO 2014-6 LTD 6A E 144A	97.48	7.35	1/17/2027	2,650	1,497	2,583
TEMPO ACQUISITION 5/17	99.50	0.01	5/1/2024	1,692	1,683	1,683
TEMPO ACQUISITION LLC / T 144A	96.00	6.75	6/1/2025	993	993	953
TENET HEALTHCARE CORP 144A	94.72	4.63	7/15/2024	1,345	1,345	1,274
TERRAFORM 5/18 TLB	99.83	0.01	11/8/2022	355	354	354
TERRAFORM POWER 6/15 COV-LITE	100.13	0.02	6/27/2022	699	671	699
TERRA-GEN 12/14 TL	89.50	0.02	12/9/2021	1,484	1,346	1,328
TEXGEN POWER LLC	35.50	-		35	1,388	1,245
THEATRE HOSPITALS NO 1 D REGS	127.81	6.27	10/15/2031	489	571	624
THEATRE HOSPITALS NO 2 D REGS	127.69	6.54	10/15/2031	91	106	116
THERMASYS (4/12) TL	96.75	1.41	5/3/2019	787	742	761
THL CREDIT WIND RIV 2A DR 144A	99.13	4.95	10/15/2027	830	830	823
THOMSON LEARNING 5/16 TLB	91.63	0.21	6/7/2023	3,834	3,777	3,513
THOMSON REUTERS 11/17 (IP&S)	99.60	0.01	10/3/2023	3,317	3,321	3,304
TIBCO SOFTWARE INC 144A	108.00	11.38	12/1/2021	3,178	3,463	3,432
TICP CLO IX LTD 9A D 144A	99.28	4.63	1/20/2031	1,950	1,950	1,936
TIKEHAU CLO BV 1X DR REGS	116.85	2.35	8/4/2028	735	857	859
TIKEHAU CLO BV 1X ER REGS	115.89	4.60	8/4/2028	6,965	8,123	8,072
T-MOBILE USA INC	97.25	5.38	4/15/2027	767	767	746
T-MOBILE USA INC	103.50	6.00	4/15/2024	230	244	238
TOWER AUTOMOTIVE 3/17 TLB	99.69	0.31	3/7/2024	2,149	2,110	2,142
TPG REAL ESTATE FIN FL1 C 144A	100.00	3.97	2/15/2035	1,000	1,000	1,000
TRANSDIGM 2/18 TLG	99.17	0.01	8/22/2024	466	465	462
TRANSDIGM 5/18 COV-LITE TLF	99.30	0.01	6/9/2023	1,575	1,566	1,564
TRANSDIGM INC	99.25	6.38	6/15/2026	669	663	664
TRANSOCEAN GUARDIAN LTD 144A	99.63	5.88	1/15/2024	561	555	559
TRANSOCEAN INC	81.25	6.80	3/15/2038	697	584	566
TRANSOCEAN INC	99.50	9.35	12/15/2041	262	244	261
TRANSUNION 8/17 COV-LITE TLB3	99.65	0.01	4/10/2023	1,700	1,686	1,694
TRAPEZA CDO IX LTD 9A A1 144A	94.25	2.70	1/27/2040	2,096	1,756	1,975
TRAVELPORT 3/18 COV-LITE TLB	99.55	0.54	3/7/2025	1,123	1,117	1,118
TRAVERSE MIDSTREAM 9/17 TLB	99.88	0.02	9/27/2024	735	732	734
TRINSEO 5/18 COV-LITE TL	99.73	0.01	9/9/2024	874	874	872
TRIUMPH GROUP INC	96.25	4.88	4/1/2021	505	487	486
TRIUMPH GROUP INC	96.25	5.25	6/1/2022	192	192	185
TRIUMPH GROUP INC	99.00	7.75	8/15/2025	1,395	1,415	1,381
TRUPS FINANCIALS NO 1A A1 144A	99.25	4.19	4/20/2038	5,073	4,921	5,035
TSG ENTMT FIN LLC	100.81	6.25	9/25/2031	4,800	4,800	4,839
TULLOW OIL PLC 144A	97.00	6.25	4/15/2022	2,385	2,126	2,313
TXU/TCEH 10/16 COV-LITE TLB	99.22	0.01	8/4/2023	1,563	1,547	1,551
TYMON PARK CLO DAC 1X CR REGS	114.79	2.20	1/21/2029	2,185	2,654	2,508
TYMON PARK CLO DAC 1X DR REGS	114.39	4.60	1/21/2029	4,190	5,089	4,793
U.S.I. 8/17 INCREMENTAL TLB	99.33	0.01	5/16/2024	1,280	1,274	1,271
UNITED AIR LINES 4/18 TLB	98.88	0.01	4/1/2024	1,511	1,511	1,494
UNITED RENTALS NORTH AMERICA I	95.25	4.63	10/15/2025	579	579	551
UNIVAR 11/17 (USD) COV-LITE	99.70	0.01	7/1/2024	985	984	982
UNIVERSAL SERVICES 7/15	98.38	0.02	7/28/2022	2,725	2,683	2,681
UNIVISION 3/17 C5 COV-LITE TL	96.54	0.01	3/15/2024	2,652	2,616	2,560
UPC FINANCING 10/17 (USD) AR	98.78	0.19	1/15/2026	2,047	2,044	2,022
US INFRASTRUCTURE 6/17 TLB	99.71	0.01	12/8/2023	1,244	1,241	1,240
US SILICA 4/18 COV-LITE TLB	99.85	0.02	12/31/2021	1,594	1,586	1,591
USA COMPRESSION PARTNERS 144A	103.50	6.88	4/1/2026	875	896	906
V.SHIPS (AL MISTRAL)1/17 TLB	99.00	0.01	3/11/2024	2,423	2,429	2,399
VALEANT 5/18 TLB	99.59	0.20	5/19/2025	1,871	1,849	1,864
VANTIV 5/18 COV-LITE TLB4	-	0.08	8/20/2024	-	-	-
VARSITY BRANDS 11/17 COV-LITE	99.96	0.02	12/9/2024	803	799	802

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Coupon Rate	Maturity Date	Shares	Book Value	Market Value
VENATOR 6/17 COV-LITE TLB	100.00	0.01	6/28/2024	305	304	305
VENTURE XIII CLO 13A SUB 144A	58.81	-	9/10/2029	4,500	3,025	2,646
VERIFONE 1/18 TLB	99.58	0.01	1/29/2025	350	350	349
VERITAS US INC / VERITAS 144A	82.00	10.50	2/1/2024	1,530	1,606	1,255
VERTAFORE 12/16 COV-LITE TL	99.33	0.01	6/30/2023	1,759	1,751	1,747
VERTAFORE 5/18 2ND LIEN TL	99.13	-	6/4/2026	450	445	446
VERTAFORE 5/18 TLB	99.31	-	6/4/2025	1,140	1,134	1,132
VFH PARENT LLC / ORCHESTR 144A	103.25	6.75	6/15/2022	1,421	1,488	1,467
VIBRANT CLO II LT 2A A1BR 144A	100.00	3.26	7/24/2024	2,060	2,060	2,060
VIRGIN MEDIA 11/17 (USD)	99.19	0.19	1/15/2026	864	864	857
VISTAJET MALTA FINANCE PL 144A	99.00	7.75	6/1/2020	218	215	216
VISTRA (TXU/TCEH) 5/18 TLB3	99.28	0.11	12/14/2025	1,343	1,341	1,333
VISTRA 10/15 (USD) COV-LITE TL	99.81	0.01	10/26/2022	249	248	248
VISTRA 12/16 TCHE TLB1	99.44	0.01	12/14/2023	1,590	1,587	1,581
VISTRA 5/18 (USD) TLB	100.03	-	10/26/2022	249	248	249
VODAFONEZIGGO 1/17 (USD) TLE	98.81	0.19	4/15/2025	1,891	1,886	1,868
VOYA CLO 2015-1 LTD 1A CR 144A	99.08	4.71	1/18/2029	4,445	4,445	4,404
WACHOVIA ASSET SEC HE2A A 144A	95.75	2.22	7/25/2037	1,401	1,333	1,342
WACHOVIA ASSET SECU HE1 A 144A	93.50	2.23	7/25/2037	1,335	1,161	1,248
WADDELL + REED FINL INC	98.76	5.75	1/13/2021	900	896	889
WALGREENS INFUSION/OPTION CARE	100.13	0.02	4/7/2022	1,700	1,694	1,702
WAMU ASSET-BACKED CERT HE2 2A2	54.00	2.28	4/25/2037	1,836	992	991
WARRIOR MET COAL INC 144A	103.25	8.00	11/1/2024	780	780	805
WASTE INDUSTRIES 9/17 COV-LITE	99.70	0.01	9/27/2024	1,201	1,201	1,198
WASTE PRO USA INC 144A	96.13	5.50	2/15/2026	1,313	1,298	1,262
WASTEQUIP 2/18 TL	99.50	0.14	3/15/2025	230	229	229
WEBSTER PARK CLO LT 1A CR 144A	100.00	5.25	7/20/2030	510	510	510
WELLTEC A/S 144A	100.50	9.50	12/1/2022	2,000	1,981	2,010
WEST CLO 2014-1 LTD 1A CR 144A	99.33	5.36	7/18/2026	2,765	2,765	2,746
WEST CLO 2014-2 LTD 2A CR 144A	99.28	5.00	1/16/2027	3,410	3,410	3,385
WEST CORP 10/17 COV-LITE TL	99.55	0.02	10/10/2024	1,450	1,446	1,444
WILLIAM LYON HOMES INC 144A	98.72	6.00	9/1/2023	407	407	402
WILLIAMS SCOTSMAN INTERNA 144A	103.50	7.88	12/15/2022	200	207	207
WILLIS ENGINE SECURIT A A 144A	98.31	5.50	9/15/2037	2,931	2,895	2,882
WILLOW PARK CLO DAC 1X C REGS	115.92	2.75	1/15/2031	2,525	2,966	2,927
WOODMONT 2017-2 TRUS 2A B 144A	100.66	4.71	7/18/2028	3,300	3,300	3,322
WOODMONT 2017-3 TRUS 3A B 144A	100.68	4.61	10/18/2029	1,000	1,000	1,007
WRANGLER BUYER CORP 144A	94.50	6.00	10/1/2025	360	360	340
WYNDHAM DESTINATIONS 5/18	99.25	0.19	5/24/2025	213	213	212
WYNDHAM HOTELS 5/18 COV-LITE	99.75	0.18	5/30/2025	382	382	381
WYNN LAS VEGAS LLC / WYNN 144A	93.50	5.25	5/15/2027	652	652	610
WYNN LAS VEGAS LLC / WYNN 144A	98.25	5.50	3/1/2025	550	558	540
YAK MAT 6/18 2ND LIEN TLB	93.00	-	7/10/2026	200	186	186
YORK RISK SERVICES 10/14	96.82	0.02	10/1/2021	1,723	1,719	1,668
ZAYO GROUP LLC / ZAYO CAP 144A	98.25	5.75	1/15/2027	412	412	405
ZIGGO BV 144A	93.41	5.50	1/15/2027	524	499	489
ZPG 5/18 2ND LIEN TL	131.36	-	12/31/2021	247	323	324
Mixed Credit				1,505,265	\$ 1,466,089	\$ 1,513,707
Mixed Credit Receivable						6,915
Total Mixed Credit						\$ 1,520,623
Total Fixed Income Investments						\$ 4,101,468

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APPENDIX E: EQUITY^{1,2}

Issuer	Price	Shares	Cost	Market Value
Developed International Equity				
77 BANK LTD/THE	\$ 21.82	6	\$ 131	\$ 122
888 HOLDINGS PLC	3.56	374	1,319	1,332
A2A SPA	1.73	85	146	147
AA PLC	1.64	48	131	78
AAK AB	15.94	12	143	184
AALBERTS INDUSTRIES NV	47.89	6	266	304
AAREAL BANK AG	43.98	4	149	170
ABACUS PROPERTY GROUP	2.79	78	202	217
ABCAM PLC	17.61	67	888	1,180
ACCIONA SA	82.80	2	165	145
ACCORDIA GOLF TRUST	0.45	213	108	96
ACERINOX SA	13.24	8	107	105
ACKERMANS & VAN HAAREN NV	172.21	1	228	234
ACTIVIA PROPERTIES INC	4,586.29	0	143	147
ADEKA CORP	16.04	72	1,205	1,147
ADELAIDE BRIGHTON LTD	5.14	31	131	159
ADO PROPERTIES SA	54.36	3	130	155
ADVANCE RESIDENCE INVESTMENT C	2,562.18	0	186	184
ADVANCED MEDICAL SOLUTIONS GRO	4.32	19	74	83
ADVANTEST CORP	20.84	10	181	204
AEDIFICA SA	91.19	2	158	154
AGF MANAGEMENT LTD	5.29	19	91	100
AGGREKO PLC	8.92	21	248	186
AICA KOGYO CO LTD	35.12	4	122	144
AIDA ENGINEERING LTD	9.72	6	62	62
AIR CANADA	16.15	39	639	622
AIR NEW ZEALAND LTD	2.15	457	1,056	982
AIRPORT CITY LTD	11.07	9	121	98
AKASTOR ASA	2.20	32	68	71
AKER ASA	76.44	3	104	238
AKER BP ASA	36.91	41	1,535	1,517
AKWEL	30.47	3	102	79
ALARIS ROYALTY CORP	12.12	7	101	81
ALBIOMA SA	22.56	4	98	95
ALGONQUIN POWER & UTIL CORP	9.65	24	256	231
ALLIANCE PHARMA PLC	1.29	106	136	137
ALLIED PROPERTIES REIT	31.81	6	178	189
ALLREAL HOLDING AG	162.65	1	179	165
ALMIRALL SA	13.40	13	175	180
ALONY HETZ PROPERTIES & INVEST	9.18	14	141	127
ALPINE ELECTRONICS INC	20.64	29	492	590
ALS LTD	5.57	31	163	171
ALSO HOLDING AG	119.44	4	585	521
ALSTRIA OFFICE REIT-AG	15.03	11	154	169
ALTEN SA	103.09	2	175	210
ALTium LTD	16.63	12	115	198
ALTRAN TECHNOLOGIES SA	14.50	16	246	233
ALTRI SGPS SA	10.10	74	734	746

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
ALTUS GROUP LTD	22.28	8	166	170
AMANO CORP	23.64	9	194	208
AMBU A/S	33.72	11	151	378
AMER SPORTS OYJ	31.55	7	171	210
AMOT INVESTMENTS LTD	5.00	20	103	99
AMPLIFON SPA	20.74	8	109	163
AMS AG	74.30	3	234	258
ANIMA HOLDING SPA	5.38	27	192	148
ANSELL LTD	20.09	96	1,837	1,922
APERAM SA	42.98	3	132	129
APHRIA INC	9.02	11	116	99
APPEN LTD	9.88	108	587	1,071
ARCLAND SAKAMOTO CO LTD	15.02	11	153	168
ARCS CO LTD	27.26	70	1,818	1,898
ARGOSY PROPERTY LTD	0.72	159	120	115
ARIAKE JAPAN CO LTD	86.13	1	108	103
ARJO AB	3.57	36	123	129
ARTIS REIT	9.97	11	105	105
ARTNATURE INC	6.18	32	211	198
AS ONE CORP	69.43	4	320	299
ASAHI INTECC CO LTD	37.83	5	129	204
ASCENDAS HOSPITALITY TRUST	0.57	127	76	73
ASCENTIAL PLC	5.98	27	149	158
ASCOPIAVE SPA	3.49	22	97	78
ASCOTT RESIDENCE TRUST	0.78	107	87	84
ASHMORE GROUP PLC	4.92	127	655	625
ASIAN PAY TELEVISION TRUST	0.30	235	96	70
ASICS CORP	16.91	97	1,604	1,635
ASM INTERNATIONAL NV	55.30	5	269	253
ASOS PLC	80.56	3	247	271
ASR NEDERLAND NV	40.84	58	1,964	2,366
ASSURA PLC	0.76	183	150	139
ASTM SPA	23.16	12	220	267
ASTRO JAPAN PROPERTY GROUP	-	82	403	-
AT&S AUSTRIA TECHNOLOGIE & SYS	18.59	8	160	140
ATEA ASA	14.40	11	176	163
ATLAS ARTERIA LTD	4.75	36	162	171
ATS AUTOMATION TOOLING SYS INC	14.85	11	165	161
AURELIUS EQUITY OPPORTUNITIES	59.43	12	794	693
AURORA CANNABIS INC	7.07	60	442	427
AURUBIS AG	76.47	4	270	270
AUSTEVOLL SEAFOOD ASA	12.00	159	1,528	1,905
AUSTRALIAN PHARMACEUTICAL INDU	1.26	137	169	172
AUTOGRILL SPA	12.41	8	99	100
AVENTUS RETAIL PROPERTY FUND L	1.66	52	89	86
AVEVA GROUP PLC	35.46	4	106	159
AWA BANK LTD/THE	6.16	19	132	117
AXFOOD AB	19.26	130	2,146	2,504
AZBIL CORP	43.61	5	177	196

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
AZIMUT HOLDING SPA	15.48	7	129	104
B&M EUROPEAN VALUE RETAIL SA	5.34	45	202	241
B2GOLD CORP	2.59	47	135	121
BACHEM HOLDING AG	131.73	1	82	79
BAKKAFROST P/F	55.48	100	5,356	5,572
BALFOUR BEATTY PLC	3.75	35	126	130
BANCA IFIS SPA	30.10	3	121	95
BANCA MEDIOLANUM SPA	6.78	13	104	86
BANCA POPOLARE DI SONDRIO SCPA	4.03	38	146	152
BANCO BPM SPA	2.93	87	266	254
BANCO COMERCIAL PORTUGUES SA	0.30	1,470	442	442
BANDO CHEMICAL INDUSTRIES LTD	11.04	17	174	192
BANK OF GEORGIA GROUP PLC	24.89	3	87	71
BANK OF OKINAWA LTD/THE	36.61	3	101	92
BANK OF THE RYUKYUS LTD	14.75	11	157	161
BANQUE CANTONALE VAUDOISE	767.41	0	99	102
BARCO NV	122.13	5	564	552
BAWAG GROUP AG	46.70	4	174	171
BBA AVIATION PLC	4.51	59	234	267
BE SEMICONDUCTOR INDUSTRIES NV	27.06	98	2,359	2,639
BEACH ENERGY LTD	1.30	585	664	758
BEAZLEY PLC	7.74	33	204	259
BECHTLE AG	77.18	2	136	165
BEFESA SA	53.82	6	284	302
BEFIMMO SA	61.65	2	145	152
BEIJING CAPITAL INTERNATIONAL	1.05	512	824	540
BELLUNA CO LTD	12.61	25	305	309
BELLWAY PLC	39.66	54	2,323	2,131
BENETEAU SA	18.75	123	2,836	2,310
BENI STABILI SPA SIIQ	0.88	183	164	160
BERTRANDT AG	94.98	1	74	69
BEST WORLD INTERNATIONAL LTD	0.91	816	967	742
BETSSON AB	6.08	11	73	67
BIESSE SPA	39.09	58	1,746	2,249
BIG YELLOW GROUP PLC	12.59	18	186	228
BILLERUDKORSNAS AB	14.17	12	180	163
BIOGAIA AB	44.66	7	343	309
BIOTAGE AB	12.83	7	69	95
BKW AG	64.45	8	495	494
BLACKMORES LTD	105.29	1	101	81
BLUESCOPE STEEL LTD	12.75	119	1,413	1,520
BOBST GROUP SA	102.32	27	3,062	2,764
BODYCOTE PLC	12.93	99	1,144	1,274
BOLSAS Y MERCADOS ESPANOLES SH	33.02	5	171	159
BONAVA AB	11.75	8	130	88
BONDUELLE SCA	36.14	3	123	121
BOOHOO GROUP PLC	2.57	1,144	3,120	2,939
BORREGAARD ASA	10.80	10	120	108
BORUSSIA DORTMUND GMBH & CO KG	6.28	18	127	112

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
BOSKALIS WESTMINSTER	29.13	7	206	205
BOSSARD HOLDING AG	185.61	1	125	109
BOVIS HOMES GROUP PLC	15.12	88	1,330	1,331
BPER BANCA	5.50	26	125	143
BPOST SA	15.80	6	132	88
BRAVIDA HOLDING AB	7.95	20	146	158
BREMBO SPA	13.53	6	87	79
BREWIN DOLPHIN HOLDINGS PLC	4.69	20	88	96
BRICKWORKS LTD	11.56	16	198	186
BRITVIC PLC	10.28	16	142	161
BRP INC	48.18	39	1,198	1,899
BRUNELLO CUCINELLI SPA	44.66	7	287	309
BTG PLC	6.81	18	162	124
BUCHER INDUSTRIES AG	334.76	1	175	181
BURE EQUITY AB	11.31	12	145	141
BURFORD CAPITAL LTD	19.75	10	118	205
BUWOG AG	33.63	6	159	186
BUZZI UNICEM SPA	24.51	4	111	108
BWP TRUST	2.40	98	234	234
CA IMMOBILIEN ANLAGEN AG	33.32	8	182	251
CAESARSTONE LTD	15.10	5	180	80
CAIRN ENERGY PLC	3.30	111	355	365
CAISSE REGIONALE DE CREDIT AGR	24.29	8	192	194
CANADA GOOSE HOLDINGS INC	58.78	6	277	381
CANADIAN APARTMENT PPTYS REIT	32.41	6	158	201
CANADIAN WESTERN BANK	26.34	10	194	257
CANCOM SE	102.16	39	4,418	3,998
CANFOR CORPORATION NEW	24.05	81	1,505	1,937
CANFOR PULP PRODUCTS INC	19.17	98	1,191	1,878
CANON ELECTRONICS INC	20.15	7	154	149
CANON MARKETING JAPAN INC	20.84	6	141	129
CANOPY GROWTH CORP	29.21	9	126	254
CAPCOM CO LTD	24.65	95	2,161	2,334
CAPITA PLC	2.11	160	341	337
CAPITAL & COUNTIES PROPERTIES	3.79	44	166	168
CAPITAL POWER CORP	19.18	10	179	183
CAPITALAND RETAIL CHINA TRUST	1.11	85	101	95
CARGOTEC OYJ	50.60	2	158	123
CARL ZEISS MEDITEC AG	68.24	3	150	195
CARSALES.COM LTD	11.17	14	121	155
CASCADES INC	8.95	11	135	95
CASTELLUM AB	16.23	16	238	265
CAWACHI LTD	20.47	58	1,402	1,181
CDL HOSPITALITY TRUSTS	1.15	141	176	163
CECONOMY AG	8.33	89	1,322	741
CEDAR WOODS PROPERTIES LTD	4.26	19	72	80
CELESTICA INC	11.88	16	214	189
CELLNEX TELECOM SA	25.22	8	168	196
CEMBRA MONEY BANK AG	78.60	2	148	123

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
CENTAMIN PLC	1.57	107	219	168
CENTERRA GOLD INC	5.56	93	528	517
CENTRAL ASIA METALS PLC	3.33	50	196	166
CERVED GROUP SPA	10.74	9	103	92
CEWE STIFTUNG & CO KGAA	92.47	1	90	78
CHAMPION REIT	0.66	301	195	200
CHARTER COURT FINANCIAL SERVIC	4.40	313	1,327	1,375
CHARTER HALL GROUP	4.82	413	1,842	1,990
CHARTER HALL RETAIL REIT	3.10	44	144	137
CHINA AVIATION OIL SINGAPORE C	1.09	77	94	84
CHINA COMMUNICATIONS SERVICES	0.63	3,186	1,841	2,018
CHINA GOLD INTL RES CORP LTD	1.73	77	159	133
CHINA SHINEWAY PHARMACEUTICAL	1.96	175	332	342
CHOW SANG SANG HOLDINGS INTERN	1.93	70	174	135
CHUDENKO CORP	25.01	3	99	85
CHUGOKU BANK LTD/THE	10.12	10	125	96
CI:Z HOLDINGS CO LTD	47.58	4	146	186
CIA DE DISTRIBUCION INTEGRAL L	25.87	64	1,588	1,665
CIE AUTOMOTIVE SA	29.52	6	265	188
CIE DES ALPES	34.33	15	447	508
CIE PLASTIC OMNIUM SA	42.28	5	214	214
CINEPLEX INC	22.18	4	148	83
CINEWORLD GROUP PLC	3.51	76	332	266
CITIZEN WATCH CO LTD	6.57	23	156	151
CITYCON OYJ	2.16	34	90	75
CKD CORP	16.45	8	127	135
CLEANAWAY WASTE MANAGEMENT LTD	1.25	199	255	249
CLOSE BROTHERS GROUP PLC	19.62	11	208	211
COBHAM PLC	1.70	100	165	169
COCOKARA FINE INC	61.48	1	70	68
COFACE SA	11.12	18	191	195
COFINIMMO SA	123.29	2	221	223
COGECO INC	44.18	11	590	489
COLLIERS INTL GROUP INC	76.03	2	104	147
COM HEM HOLDING AB	16.28	10	140	166
COMET HOLDING AG	107.76	1	144	123
COMINAR REIT	9.75	6	55	55
COMPUTACENTER PLC	19.09	102	1,301	1,948
COMPUTER MODELLING GROUP LTD	7.68	11	81	84
COMSYS HOLDINGS CORP	26.53	8	175	215
CONTACT ENERGY LTD	3.96	38	141	150
CONZZETA AG	1,148.09	0	141	158
CORESTATE CAPITAL HOLDING SA	53.42	3	155	150
CORP FINANCIERA ALBA SA	58.14	15	870	888
CORPORATE TRAVEL MANAGEMENT LT	20.17	7	131	146
CORTICEIRA AMORIM SGPS SA	13.10	7	101	90
CORUS ENTERTAINMENT INC	3.77	22	222	84
COSMO ENERGY HOLDINGS CO LTD	35.12	4	104	123
COSMOS PHARMACEUTICAL CORP	202.95	1	125	122

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
COSTA GROUP HOLDINGS LTD	6.10	694	3,619	4,230
COTT CORP	16.56	13	221	218
COUNTRYSIDE PROPERTIES PLC	4.54	338	1,666	1,534
CRAMO OYJ	23.25	5	165	128
CREATE RESTAURANTS HOLDINGS IN	14.63	12	173	168
CREST NICHOLSON HOLDINGS PLC	5.15	32	219	167
CROMWELL PROPERTY GROUP	0.83	116	88	96
CSR LTD	3.39	508	2,000	1,724
CTS EVENTIM AG & CO KGAA	49.25	35	1,719	1,729
CYBERARK SOFTWARE LTD	62.96	4	244	238
CYBG PLC	4.19	55	197	229
DAETWYLER HOLDING AG	192.15	1	186	170
DAH SING BANKING GROUP LTD	2.10	77	163	162
DAH SING FINANCIAL HOLDINGS LT	5.84	20	165	119
DAIDO STEEL CO LTD	46.22	3	155	129
DAIHO CORP	5.96	171	829	1,019
DAIICHIKOSHO CO LTD	48.30	3	122	121
DAIKEN CORP	23.07	3	76	69
DAIKYO INC	21.89	7	142	149
DAILY MAIL & GENERAL TRUST PLC	9.78	10	86	99
DAINICHISEIKA COLOR & CHEMICAL	31.15	3	131	103
DAISEKI CO LTD	29.39	11	343	317
DAISHI BANK LTD/THE	39.77	4	178	151
DAIWABO HOLDINGS CO LTD	53.27	3	115	170
DALATA HOTEL GROUP PLC	8.15	30	236	248
DANIELI & C OFFICINE MECCANICH	17.61	4	78	76
DART GROUP PLC	10.26	142	1,571	1,456
DCM HOLDINGS CO LTD	9.37	46	431	430
DE' LONGHI SPA	28.35	4	143	125
DEBENHAMS PLC	-	-	-	-
DECHRA PHARMACEUTICALS PLC	36.73	7	166	261
DENKA CO LTD	33.36	6	149	200
DENYO CO LTD	15.51	8	150	126
DERWENT LONDON PLC	41.01	54	1,953	2,226
DESCARTES SYS GROUP INC	32.56	7	182	236
DETOUR GOLD CORP	8.99	9	85	77
DEUTSCHE BETEILIGUNGS AG	39.70	4	173	155
DEUTSCHE EUROSHOP AG	35.33	4	144	125
DEUTSCHE PFANDBRIEFBANK AG	14.02	18	282	248
DEUTZ AG	7.72	286	2,137	2,208
DFDS A/S	63.84	26	1,608	1,688
DIALOG SEMICONDUCTOR PLC	15.25	5	242	83
DIASORIN SPA	114.07	2	133	187
DIC CORP	31.24	6	204	181
DIOS FASTIGHETER AB	6.01	26	166	156
DIPLOMA PLC	17.31	6	84	104
DISTRIBUIDORA INTERNACIONAL DE	2.91	23	113	67
DIXONS CARPHONE PLC	2.46	71	154	175
DMG MORI CO LTD	13.88	91	1,590	1,261

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Issuer	Price	Shares	Cost	Market Value
DNO ASA	1.85	101	141	187
DOMETIC GROUP AB	9.84	22	189	213
DOMINO'S PIZZA GROUP PLC	4.58	27	98	123
DORMAKABA HOLDING AG	699.43	0	182	141
DOUTOR NICHIRE HOLDINGS CO LT	19.86	99	2,162	1,968
DOWA HOLDINGS CO LTD	30.83	7	233	200
DOWNER EDI LTD	5.01	338	1,718	1,691
DRAEGERWERK AG & CO KGAA	71.80	1	163	106
DREAM GLOBAL REIT	10.92	16	133	176
DREAM OFFICE REIT	17.81	8	148	140
DREAM UNLIMITED CORP	7.40	22	168	164
DS SMITH PLC	6.88	59	365	409
DUERR AG	46.46	4	210	165
DULUXGROUP LTD	5.65	27	143	154
DUNDEE PRECIOUS METALS INC	2.39	59	144	141
DUSKIN CO LTD	24.94	4	102	95
EBARA CORP	31.10	6	156	177
EBRO FOODS SA	23.34	6	137	137
ECN CAPITAL CORP	2.68	526	1,488	1,410
EDION CORP	10.08	41	405	412
EFG INTERNATIONAL AG	7.49	21	126	155
EI GROUP PLC	1.93	51	85	98
EIKEN CHEMICAL CO LTD	21.28	4	97	89
EL.EN. SPA	32.69	38	1,266	1,248
ELDERS LTD	6.25	57	374	359
ELECTROCOMPONENTS PLC	10.01	40	317	397
ELEKTA AB	13.19	22	222	293
ELEMENTIS PLC	3.34	28	105	94
ELIA SYSTEM OPERATOR SA/NV	62.23	3	151	165
ELIOR GROUP SA	14.43	4	116	59
ELIS SA	22.80	3	73	74
ELIS SA	22.93	6	119	129
ELRINGKLINGER AG	12.83	6	118	78
EMMI AG	851.00	0	84	93
EMPIRIC STUDENT PROPERTY PLC	1.17	65	94	76
ENAV SPA	5.02	18	76	90
ENBRIDGE INCOME FD HLDGS INC	24.51	8	199	202
ENCE ENERGIA Y CELULOSA SA	8.87	432	2,728	3,832
ENERPLUS CORP	12.60	18	140	221
ENGHOUSE SYSTEMS LTD	58.36	8	471	488
EN-JAPAN INC	50.47	29	1,226	1,459
ENTRA ASA	13.64	9	114	127
EPS HOLDINGS INC	21.45	46	981	995
EQUINITI GROUP PLC	3.26	28	90	92
ERG SPA	21.87	97	2,260	2,117
EUROCOMMERCIAL PROPERTIES NV	42.45	22	921	935
EURONEXT NV	63.57	4	190	233
EVN AG	18.68	5	74	98
EVOLUTION GAMING GROUP AB	62.26	1	71	67

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
EVOLUTION MINING LTD	2.59	106	275	274
EVOTEC AG	17.20	7	113	126
EVRAZ PLC	6.71	72	475	483
EXEDY CORP	30.97	6	167	186
EZAKI GLICO CO LTD	48.03	3	143	120
FABEGE AB	11.95	28	288	331
FANCL CORP	50.11	35	1,118	1,739
FAR EAST CONSORTIUM INTERNATIO	0.60	236	132	141
FASTIGHETS AB BALDER	26.13	8	191	203
FAURECIA SA	71.36	11	655	809
FERREXPO PLC	2.42	26	88	64
FEVERTREE DRINKS PLC	44.76	24	737	1,064
FFP	123.53	10	969	1,191
FIDEA HOLDINGS CO LTD	1.55	416	760	646
FINANCIAL PRODUCTS GROUP CO LT	12.90	15	196	187
FINECOBANK BANCA FINECO SPA	11.29	20	156	222
FINNAIR OYJ	10.82	104	1,523	1,129
FIRST INTERNATIONAL BANK OF IS	20.86	6	105	119
FIRST RESOURCES LTD	1.14	63	87	72
FIRSTGROUP PLC	1.10	95	156	105
FIRSTSERVICE CORP NEW	76.01	2	137	165
FLSMIDTH & CO A/S	59.84	2	154	143
FLUGHAFEN ZURICH AG	203.84	1	301	249
FLY LEASING LTD	14.09	29	401	402
FOLKESTONE EDUCATION TRUST	1.99	62	132	123
FORBO HOLDING AG	1,492.52	0	127	113
FORTERRA PLC	4.05	7	29	28
FORTUNA SILVER MINES INC	5.69	28	131	157
FRASERS LOGISTICS & INDUSTRIAL	0.77	127	104	98
FREENET AG	26.49	8	248	206
FU SHOU YUAN INTERNATIONAL GRO	1.13	1,165	904	1,314
FUJI CORP/AICHI	17.93	5	88	84
FUJI OIL HOLDINGS INC	35.93	5	113	165
FUJI SEAL INTERNATIONAL INC	35.48	6	153	195
FUJI SOFT INC	42.21	32	1,018	1,342
FUJIKURA LTD	6.36	18	153	112
FUJITEC CO LTD	12.32	7	81	80
FUKUDA DENSHI CO LTD	65.63	4	256	230
FUNAI SOKEN HOLDINGS INC	22.27	4	85	87
FURUKAWA ELECTRIC CO LTD	34.98	4	193	147
FUYO GENERAL LEASE CO LTD	68.79	16	1,125	1,094
GALAPAGOS NV	112.30	2	191	275
GALENICA AG	53.07	38	1,842	2,033
GALLIFORD TRY PLC	11.53	7	90	82
GAM HOLDING AG	13.80	32	487	442
GAMES WORKSHOP GROUP PLC	39.61	8	313	305
GAZIT-GLOBE LTD	9.21	12	117	111
GAZTRANSPORT ET TECHNIGAZ SA	61.30	1	76	83
GB GROUP PLC	7.88	13	76	102

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Issuer	Price	Shares	Cost	Market Value
GDI PROPERTY GROUP	0.95	866	765	825
GEMALTO NV	58.17	3	131	197
GENESIS ENERGY LTD	1.65	48	86	79
GENUS PLC	34.80	5	175	184
GENWORTH MI CANADA INC	32.52	59	1,573	1,907
GENWORTH MORTGAGE INSURANCE AU	1.90	58	129	111
GEO HOLDINGS CORP	13.42	21	281	280
GEORG FISCHER AG	1,280.02	2	1,747	2,121
GERRESHEIMER AG	81.14	12	980	968
GIBSON ENERGY INC	13.33	8	101	102
GIMV NV	60.95	3	191	191
GLANBIA PLC	18.56	12	248	226
GLOBAL DOMINION ACCESS SA	5.42	4	24	23
GLORY LTD	27.99	4	125	104
GLP J-REIT	1,061.71	0	159	151
GN STORE NORD A/S	45.57	198	7,502	9,038
GOODMAN PROPERTY TRUST	0.98	177	161	174
GRAFTON GROUP PLC	10.51	24	232	257
GRAINCORP LTD	5.67	15	109	84
GRAINGER PLC	4.07	36	119	145
GRAND CITY PROPERTIES SA	25.97	11	250	296
GRANGES AB	13.11	14	134	187
GRANITE REIT	40.76	45	1,774	1,825
GREAT CANADIAN GAMING CORP	35.39	34	1,099	1,196
GREAT EAGLE HOLDINGS LTD	4.88	34	172	166
GREAT PORTLAND ESTATES PLC	9.43	208	2,048	1,958
GREEN REIT PLC	1.73	77	129	134
GREENE KING PLC	7.60	27	244	203
GRENKE AG	114.24	2	254	244
GRUPO CATALANA OCCIDENTE SA	44.54	4	180	193
G-TEKT CORP	16.94	7	138	125
GULF KEYSTONE PETROLEUM LTD	3.30	415	1,171	1,371
GUNMA BANK LTD/THE	5.25	34	192	176
GUNZE LTD	64.10	4	155	276
GURIT HOLDING AG	811.72	0	127	92
H2O RETAILING CORP	15.97	6	107	93
HALFORDS GROUP PLC	4.58	37	166	171
HALMA PLC	18.09	25	359	445
HAMAKYOREX CO LTD	29.34	3	89	88
HAMBURGER HAFEN UND LOGISTIK A	21.72	49	1,480	1,064
HANSTEEN HOLDINGS PLC	1.38	88	140	122
HANWA CO LTD	38.14	3	118	130
HAPAG-LLOYD AG	35.61	3	97	119
HAREL INSURANCE INVESTMENTS &	7.49	23	140	175
HASEKO CORP	13.82	143	2,128	1,977
HAYS PLC	2.46	98	203	241
HAZAMA ANDO CORP	9.10	189	1,557	1,721
HEALTH & HAPPINESS H&H INTERNA	6.90	127	938	875
HEIDELBERGER DRUCKMASCHINEN AG	2.75	28	94	77

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
HEIWA CORP	24.14	7	149	162
HEIWA REAL ESTATE CO LTD	17.83	10	166	180
HELVETIA HOLDING AG	570.52	0	256	256
HEMFOSA FASTIGHETER AB	11.71	32	379	380
HERA SPA	3.12	56	182	174
HEXPOL AB	10.42	13	144	135
HIBERNIA REIT PLC	1.75	96	153	168
HIBIYA ENGINEERING LTD	19.93	4	89	82
HIDAY HIDAKA CORP	22.40	3	74	62
HIKMA PHARMACEUTICALS PLC	19.82	9	120	186
HILL & SMITH HOLDINGS PLC	19.53	6	107	119
HI-P INTERNATIONAL LTD	0.87	779	848	680
HISCOX LTD	20.13	20	335	411
HISPANIA ACTIVOS INMOBILIARIOS	21.28	44	850	934
HKBN LTD	1.54	279	420	429
HOKKOKU BANK LTD/THE	39.36	5	178	181
HOKUETSU BANK LTD/THE	19.93	6	153	126
HOKUHOKU FINANCIAL GROUP INC	13.32	184	2,766	2,444
HOKURIKU ELECTRIC POWER CO	10.05	25	262	251
HOLMEN AB	22.75	9	191	197
HOMESERVE PLC	11.87	15	149	179
HOPEWELL HOLDINGS LTD	3.42	65	250	220
HORIBA LTD	69.97	25	1,890	1,777
HOSIDEN CORP	8.41	7	104	57
HOUSE FOODS GROUP INC	35.39	3	104	110
HOWDEN JOINERY GROUP PLC	7.08	37	200	264
HUDBAY MINERALS INC	5.57	181	1,216	1,010
HUFVUDSTADEN AB	14.34	10	167	145
HUHTAMAKI OYJ	37.00	5	186	176
IAMGOLD CORP	5.81	7	38	38
IAMGOLD CORP	5.82	41	212	241
IBIDEN CO LTD	16.02	5	90	80
IBJ LEASING CO LTD	26.45	8	185	204
IBSTOCK PLC	3.95	43	137	170
IDP EDUCATION LTD	7.77	399	2,959	3,102
IG GROUP HOLDINGS PLC	11.37	22	160	250
ILUKA RESOURCES LTD	8.26	92	724	762
IMA INDUSTRIA MACCHINE AUTOMAT	87.10	1	108	101
IMCD NV	67.13	3	147	187
IMI PLC	14.95	14	213	202
IMMOBILIARE GRANDE DISTRIBUZIO	8.04	8	104	66
IMMOFINANZ AG	23.82	20	495	477
IMPLENIA AG	76.14	20	1,639	1,554
INABA DENKI SANGYO CO LTD	40.90	5	204	221
INABATA & CO LTD	13.89	12	161	171
INCHCAPE PLC	10.30	28	279	291
INDIVIOR PLC	5.06	268	1,320	1,356
INDUS HOLDING AG	62.35	2	118	102
INDUTRADE AB	23.92	6	138	141

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Issuer	Price	Shares	Cost	Market Value
INES CORP	9.58	66	661	634
INFICON HOLDING AG	509.09	2	1,162	1,108
INFORMA PLC	11.02	72	688	790
INFRASTRUTTURE WIRELESS ITALIA	7.71	15	110	113
INGHAMS GROUP LTD	2.82	125	366	351
INMARSAT PLC	7.26	25	164	184
INMOBILIARIA COLONIAL SOCIMI S	11.05	19	160	211
INTERFOR CORP	19.20	97	1,676	1,860
INTERMEDIATE CAPITAL GROUP PLC	14.55	22	235	320
INTERNATIONAL PERSONAL FINANCE	2.69	26	70	71
INTERPUMP GROUP SPA	31.10	5	146	158
INTERRENT REIT	8.36	14	113	113
INTERROLL HOLDING AG	1,752.35	0	259	252
INTERXION HOLDING NV	62.42	4	176	243
INTRUM AB	23.24	4	144	95
INTU PROPERTIES PLC	2.38	61	185	144
INVESTA OFFICE FUND	3.86	40	143	156
INVESTMENT AB ORESUND	14.06	4	78	61
IOOF HOLDINGS LTD	6.64	24	177	158
IPSOS	34.19	4	143	128
IREN SPA	2.56	56	134	143
IRISH CONTINENTAL GROUP PLC	5.90	13	86	74
IRISH RESIDENTIAL PROPERTIES R	1.61	101	155	162
IRISO ELECTRONICS CO LTD	60.40	1	78	79
ISHIHARA SANGYO KAISHA LTD	9.43	9	86	83
ISRA VISION AG	61.41	11	485	682
ISRAEL CORP LTD/THE	212.67	1	222	222
ISRAEL DISCOUNT BANK LTD	2.91	437	1,264	1,273
ITALGAS SPA	5.51	26	135	141
ITALMOBILIARE SPA	24.52	4	98	87
ITO EN LTD	46.31	8	358	375
ITOCHU ENEX CO LTD	9.76	8	75	73
ITOCHU TECHNO-SOLUTIONS CORP	17.28	13	238	230
ITURAN LOCATION AND CONTROL LT	30.35	4	109	108
IVANHOE MINES LTD	2.05	37	108	75
IWATANI CORP	34.85	111	3,723	3,854
IWG PLC	4.22	44	186	188
IYO BANK LTD/THE	6.61	20	160	133
IZUMI CO LTD	61.84	2	123	130
JACQUET METAL SERVICE SA	31.87	5	163	156
JAFCO CO LTD	40.67	5	191	195
JAPAN HOTEL REIT INVESTMENT CO	749.33	0	150	157
JAPAN STEEL WORKS LTD/THE	25.23	2	75	61
JAPAN WOOL TEXTILE CO LTD/THE	9.29	18	155	170
JB HI-FI LTD	16.64	7	122	119
JCR PHARMACEUTICALS CO LTD	60.76	2	84	122
JD SPORTS FASHION PLC	5.82	1,103	5,854	6,418
JENOPTIK AG	39.21	61	2,261	2,379
JERUSALEM OIL EXPLORATION	50.73	3	163	134

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
JM AB	17.89	7	247	124
JOHN LAING GROUP PLC	3.64	54	210	198
JOHNSON ELECTRIC HOLDINGS LTD	2.91	52	183	151
JOSHIN DENKI CO LTD	31.33	6	151	172
JPJ GROUP PLC	12.69	21	246	270
JUNGHEINRICH AG	37.08	3	128	128
JUPITER FUND MANAGEMENT PLC	5.89	31	207	183
JUST EAT PLC	10.28	33	281	337
JUST GROUP PLC	1.78	446	832	795
JUSTSYSTEMS CORP	20.57	5	89	99
JVC KENWOOD CORP	2.83	134	398	380
JYSKE BANK A/S	54.85	5	256	252
K WAH INTERNATIONAL HOLDINGS L	0.58	2,402	1,534	1,384
KAGA ELECTRONICS CO LTD	23.75	3	85	71
KAGOME CO LTD	33.22	4	134	136
KAKEN PHARMACEUTICAL CO LTD	51.37	2	107	103
KANAMOTO CO LTD	31.64	32	1,054	1,019
KANDENKO CO LTD	10.98	13	140	143
KANEMATSU CORP	14.45	21	216	304
KARDEX AG	138.38	3	485	461
KAZ MINERALS PLC	11.13	13	122	143
KBC ANCORA	53.61	23	1,396	1,251
KEIHIN CORP	20.29	11	147	219
KELLER GROUP PLC	13.39	11	161	148
KEMIRA OYJ	13.30	7	85	88
KENDRION NV	40.86	3	99	103
KENEDIX OFFICE INVESTMENT CORP	6,211.35	0	120	137
KEPPEL REIT	0.81	143	118	115
KERRY LOGISTICS NETWORK LTD	1.39	262	383	365
KESKO OYJ	61.18	3	179	210
KEWPIE CORP	25.22	285	7,500	7,177
KEYWORDS STUDIOS PLC	23.55	11	106	266
KILLAM APT REAL ESTATE INVNT TR	11.39	16	154	181
KINAXIS INC	67.28	1	97	100
KINDEN CORP	16.34	15	237	239
KINDRED GROUP PLC	12.61	15	166	183
KINEPOLIS GROUP NV	63.40	1	70	63
KINGSPAN GROUP PLC	50.06	10	354	513
KINTETSU WORLD EXPRESS INC	20.65	12	252	248
KIRINDO HOLDINGS CO LTD	25.21	7	160	164
KIRKLAND LAKE GOLD LTD	21.16	14	117	292
KISSEI PHARMACEUTICAL CO LTD	27.13	8	214	212
KIWI PROPERTY GROUP LTD	0.91	129	133	117
KIYO BANK LTD/THE	16.49	13	230	218
KLAB INC	13.30	24	391	315
KLOVERN AB	1.11	122	139	136
KOBAYASHI PHARMACEUTICAL CO LT	86.40	13	1,058	1,080
KOHNAN SHOJI CO LTD	23.28	13	329	310
KOKUYO CO LTD	17.76	116	1,797	2,058

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Issuer	Price	Shares	Cost	Market Value
KONECRANES OYJ	41.26	4	183	171
KONGSBERG GRUPPEN ASA	21.25	7	189	159
KONINKLIJKE VOLKERWESSELS NV	25.71	40	1,135	1,024
KONISHI CO LTD	16.21	10	148	165
KONOIKE TRANSPORT CO LTD	15.10	9	121	131
KORIAN SA	33.77	4	131	126
KOTOBUKI SPIRITS CO LTD	52.36	1	68	73
KRONES AG	129.25	1	95	104
K'S HOLDINGS CORP	10.39	170	2,175	1,765
KUNGSLEDEN AB	6.91	27	163	184
KURA CORP	66.45	35	2,384	2,306
KURABO INDUSTRIES LTD	3.16	55	129	174
KUREHA CORP	71.50	3	162	229
KYB CORP	45.50	3	137	127
KYOKUTO KAIHATSU KOGYO CO LTD	15.28	9	151	142
KYOWA EXEO CORP	26.26	13	233	349
KYUDENKO CORP	48.30	2	104	106
LABRADOR IRON ORE ROYALTY CORP	18.31	12	152	223
LAGARDERE SCA	26.40	8	225	211
LAI SUN DEVELOPMENT CO LTD	1.67	63	115	106
LAIRD PLC	2.64	104	280	275
LANCASHIRE HOLDINGS LTD	7.49	5	47	39
LANGHAM HOSPITALITY INVESTMENT	0.41	251	106	103
LAR ESPANA REAL ESTATE SOCIMI	11.16	17	151	189
LASERTEC CORP	28.17	4	87	104
LAURENTIAN BANK OF CANADA	34.10	4	161	134
LEG IMMOBILIEN AG	108.68	4	378	431
LEM HOLDING SA	1,490.51	0	74	69
LENZING AG	120.72	1	176	123
LEONI AG	50.79	2	124	110
LEOPALACE21 CORP	5.48	29	172	156
LEROY SEAFOOD GROUP ASA	6.73	169	1,189	1,140
LINDAB INTERNATIONAL AB	7.33	11	89	83
LINK ADMINISTRATION HOLDINGS L	5.42	17	114	94
LINTEC CORP	29.03	7	177	215
LISI	37.89	2	111	94
LOGITECH INTERNATIONAL SA	43.98	22	853	961
LONDONMETRIC PROPERTY PLC	2.44	64	140	157
LONKING HOLDINGS LTD	0.46	4,546	1,857	2,092
LOOKERS PLC	1.43	87	136	124
LOOMIS AB	34.81	41	1,588	1,421
LPE-EARNEST PARTNERS	1.00	475,361	475,361	475,361
LUK FOOK HOLDINGS INTERNATIONAL	4.14	43	142	178
MACNICA FUJI ELECTRONICS HOLDI	16.80	12	172	193
MAEDA CORP	11.50	17	204	198
MAEDA ROAD CONSTRUCTION CO LTD	19.02	12	244	232
MAGELLAN FINANCIAL GROUP LTD	17.22	8	163	132
MAKINO MILLING MACHINE CO LTD	7.78	22	180	171
MAN GROUP PLC	2.33	139	310	324

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
MAN WAH HOLDINGS LTD	0.79	117	105	92
MANDOM CORP	31.15	3	87	81
MANULIFE US REAL ESTATE INVEST	0.86	131	118	112
MAPLE LEAF FOODS INC	25.27	7	178	180
MAPLETREE COMMERCIAL TRUST	1.15	134	151	155
MAPLETREE INDUSTRIAL TRUST	1.42	137	181	194
MAPLETREE LOGISTICS TRUST	0.90	163	141	147
MAPLETREE NORTH ASIA COMMERCIA	0.84	175	135	146
MARSHALLS PLC	5.39	13	64	72
MARSTON'S PLC	1.31	85	135	111
MARTINREA INTERNATIONAL INC	10.72	20	160	209
MARUHA NICHIRO CORP	40.22	16	587	623
MARUWA CO LTD/AICHI	80.17	1	66	80
MATAS A/S	8.12	11	192	92
MATSUMOTOKIYOSHI HOLDINGS CO L	44.91	35	1,620	1,577
MAXAR TECHNOLOGIES LTD	50.17	3	186	141
MAZOR ROBOTICS LTD	27.59	3	74	78
MCCARTHY & STONE PLC	1.30	72	156	93
MEDIASET ESPANA COMUNICACION S	8.43	173	1,896	1,457
MEG ENERGY CORP	8.33	52	370	434
MELCO INTERNATIONAL DEVELOPMEN	3.08	55	149	169
MELEXIS NV	92.82	2	150	170
MELISRON LTD	41.39	2	118	92
MERLIN PROPERTIES SOCIMI SA	14.54	158	2,352	2,297
METCASH LTD	1.93	116	211	224
METRO BANK PLC	42.72	3	151	136
METROPOLE TELEVISION SA	20.00	5	106	91
METROVACESA SA	17.51	13	243	234
METSA BOARD OYJ	11.31	32	375	364
MIGDAL INSURANCE & FINANCIAL H	0.86	107	113	93
MILBON CO LTD	44.82	2	85	108
MIMASU SEMICONDUCTOR INDUSTRY	16.11	22	351	353
MINERAL RESOURCES LTD	11.83	9	124	108
MIQUEL Y COSTAS & MIQUEL SA	37.71	3	106	113
MIRACA HOLDINGS INC	29.79	3	104	74
MIRAIT HOLDINGS CORP	15.49	7	96	112
MITSUBOSHI BELTING LTD	12.57	17	189	214
mitsui mining & smelting co lt	42.57	3	129	145
mitsui osk lines ltd	24.09	148	3,562	3,558
mitsui sugar co ltd	31.01	5	137	146
MIURA CO LTD	24.31	6	119	143
MIXI INC	25.31	4	98	99
MOBIMO HOLDING AG	246.74	1	153	137
MODEC INC	27.72	5	107	139
MONADELPHOUS GROUP LTD	11.13	12	124	134
MONCLER SPA	45.53	21	938	975
MONEYSUPERMARKET.COM GROUP PLC	4.16	56	250	235
MORGAN SINDALL GROUP PLC	18.99	16	271	299
MORGUARD CORP	127.25	2	322	305

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Issuer	Price	Shares	Cost	Market Value
MORGUARD NORTH AMERICAN REIT	11.43	5	56	56
MORGUARD REIT	10.07	47	503	468
MORINAGA & CO LTD/JAPAN	47.94	3	153	120
MORINAGA MILK INDUSTRY CO LTD	37.38	39	1,661	1,473
MORNEAU SHEPELL INC	20.66	7	118	154
MORPHOSYS AG	122.59	2	130	226
MOTA-ENGIL SGPS SA	3.36	17	65	58
MUSASHINO BANK LTD/THE	29.70	6	188	184
MYCRONIC AB	11.20	118	1,478	1,323
NAGASE & CO LTD	15.64	15	220	231
NAKANISHI INC	22.71	6	86	143
NANKAI ELECTRIC RAILWAY CO LTD	27.76	6	160	167
NATIONAL EXPRESS GROUP PLC	5.30	31	148	163
NAVIGATOR CO SA/THE	5.95	28	123	165
NAVIGATOR GLOBAL INVESTMENTS L	3.95	178	665	703
NCC AB	16.65	5	131	77
NEMETSCHKE SE	120.37	12	1,348	1,391
NEOPOST SA	26.88	5	215	127
NET ONE SYSTEMS CO LTD	17.20	39	651	667
NETLINK NBN TRUST	0.54	146	90	79
NEW WAVE GROUP AB	5.87	13	91	77
NEWRIVER REIT PLC	3.56	27	118	95
NEX GROUP PLC	13.57	34	392	462
NEXITY SA	63.16	3	164	179
NFI GROUP INC	37.28	4	187	164
NH HOTEL GROUP SA	7.39	226	1,774	1,670
NHK SPRING CO LTD	9.43	130	1,263	1,226
NIBE INDUSTRIER AB	10.75	23	216	246
NICHIAS CORP	12.53	8	97	100
NICHIDEN CORP	19.29	4	84	79
NICHIREI CORP	25.44	36	940	908
NIFCO INC/JAPAN	30.97	5	127	142
NIHON KOHDEN CORP	27.85	19	532	532
NIHON M&A CENTER INC	29.03	8	149	221
NIHON PARKERIZING CO LTD	14.41	9	143	134
NIHON UNISYS LTD	25.13	46	982	1,161
NIKKON HOLDINGS CO LTD	26.26	10	227	255
NINE ENTERTAINMENT CO HOLDINGS	1.83	131	245	240
NIPPO CORP	18.24	9	184	166
NIPPON CARBON CO LTD	56.06	2	108	101
NIPPON DENKO CO LTD	2.84	21	82	61
NIPPON DENSETSU KOGYO CO LTD	22.02	7	150	156
NIPPON KAYAKU CO LTD	11.19	13	189	145
NIPPON KOEI CO LTD	24.81	6	161	136
NIPPON ROAD CO LTD/THE	51.46	2	121	118
NIPPON SEIKI CO LTD	18.83	7	143	134
NIPPON SHEET GLASS CO LTD	9.62	156	1,481	1,498
NIPPON SHINYAKU CO LTD	62.11	3	190	180
NIPPON SHOKUBAI CO LTD	72.32	2	140	159

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
NIPPON SODA CO LTD	5.53	14	94	77
NIPPON STEEL & SUMIKIN BUSSAN	49.65	4	176	189
NIPPON SUISAN KAISHA LTD	4.93	179	893	883
NIPPON YUSEN KK	19.85	204	4,081	4,056
NIPRO CORP	11.56	7	89	79
NISHIMATSU CONSTRUCTION CO LTD	28.71	7	190	195
NISHI-NIPPON FINANCIAL HOLDING	11.69	40	481	469
NISHIO RENT ALL CO LTD	32.10	54	1,694	1,740
NISSHIN OILLIO GROUP LTD/THE	30.06	64	1,875	1,918
NISSHINBO HOLDINGS INC	10.74	8	108	87
NISSIN CORP	23.20	9	235	218
NISSIN ELECTRIC CO LTD	9.22	82	808	758
NITTA CORP	39.27	6	184	232
NITTETSU MINING CO LTD	47.22	4	228	198
NKT A/S	27.34	2	91	63
NOBINA AB	7.67	162	1,238	1,243
NOEVIR HOLDINGS CO LTD	72.13	3	160	224
NOF CORP	32.32	6	153	194
NOLATO AB	80.82	39	2,696	3,149
NOMAD FOODS LTD	19.19	16	283	305
NORBORD INC	41.10	4	110	152
NORITAKE CO LTD/NAGOYA JAPAN	55.43	8	303	427
NORMA GROUP SE	68.59	2	116	122
NORTH PACIFIC BANK LTD	3.35	47	166	158
NORTH WEST CO INC (THE)	22.29	4	100	88
NORTHERN STAR RESOURCES LTD	5.36	149	654	800
NORTHGATE PLC	5.37	19	130	103
NORTHLAND POWER INC	18.65	7	118	127
NORTHVIEW APARTMENT REIT	19.98	5	107	110
NORWEGIAN AIR SHUTTLE ASA	30.48	3	64	94
NSD CO LTD	22.79	65	1,235	1,486
NSI NV	41.92	4	177	175
NTN CORP	4.10	23	103	94
NUVISTA ENERGY LTD	6.93	30	213	208
OC OERLIKON CORP AG	15.30	532	9,067	8,136
OCADO GROUP PLC	13.57	47	504	640
OCEANAGOLD CORP	2.77	59	190	165
ODFJELL DRILLING LTD	4.14	192	832	794
OESTERREICHISCHE POST AG	45.65	43	1,871	1,952
OIL REFINERIES LTD	0.42	342	153	143
OITA BANK LTD/THE	33.99	4	149	129
OKAMURA CORP	14.72	145	1,934	2,132
OKASAN SECURITIES GROUP INC	4.92	15	97	74
OKUMA CORP	52.90	11	619	582
OKUMURA CORP	32.64	5	188	173
ONESAVINGS BANK PLC	5.42	23	107	123
ONTEX GROUP NV	21.96	4	160	95
OPEN HOUSE CO LTD	59.22	29	1,201	1,741
ORBOTECH LTD	61.80	4	126	232

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Issuer	Price	Shares	Cost	Market Value
ORIFLAME HOLDING AG	32.28	2	84	68
ORIOR AG	85.80	1	109	121
ORIX JREIT INC	1,597.08	0	213	220
ORORA LTD	2.64	54	116	142
ORPEA	133.45	2	279	323
OUTOKUMPU OYJ	6.22	27	206	166
OUTOTEC OYJ	7.96	351	3,220	2,792
OZ MINERALS LTD	6.96	188	1,188	1,310
P2P GLOBAL INVESTMENTS PLC	10.63	7	79	73
PACIFIC INDUSTRIAL CO LTD	14.70	11	143	165
PAGEGROUP PLC	7.44	26	158	196
PALTAC CORPORATION	57.60	4	141	236
PAN AMERICAN SILVER CORP	17.89	11	180	194
PAPELES Y CARTONES DE EUROPA S	19.80	11	87	214
PARAGON BANKING GROUP PLC	6.33	25	139	157
PARAMOUNT RESOURCES LTD	11.32	10	145	114
PAREX RESOURCES INC	18.87	109	1,613	2,065
PARKLAND FUEL CORP	24.55	7	151	166
PAZ OIL CO LTD	131.10	1	194	150
PEAB AB	7.56	13	157	96
PENDAL GROUP LTD	7.32	10	92	76
PENNON GROUP PLC	10.49	23	259	245
PEPTIDREAM INC	41.62	18	746	766
PER AARSLEFF HOLDING A/S	35.34	5	118	179
PERPETUAL LTD	30.74	3	121	90
PETS AT HOME GROUP PLC	1.71	67	134	114
PEYTO EXPLORATION & DEV CORP	7.69	10	113	80
PHOENIX GROUP HOLDINGS	2.18	9	-	19
PHOENIX GROUP HOLDINGS	8.94	18	178	163
PHOENIX HOLDINGS LTD/THE	5.22	25	106	129
PIAGGIO & C SPA	2.51	353	990	889
PIGEON CORP	48.66	7	253	326
PIOLAX INC	24.09	6	152	132
PLATINUM ASSET MANAGEMENT LTD	4.26	15	84	64
PLAYTECH PLC	9.94	22	262	217
PLUS500 LTD	21.32	87	1,009	1,856
PRECINCT PROPERTIES NEW ZEALAN	0.91	198	178	181
PREMIUM BRANDS HOLDINGS CORP	86.12	2	166	203
PRESS KOGYO CO LTD	5.87	34	158	201
PRESTIGE INTERNATIONAL INC	13.42	5	64	70
PRIMARY HEALTH PROPERTIES PLC	1.54	55	80	84
PROSPERITY REIT	0.41	373	159	151
PROVIDENT FINANCIAL PLC	7.92	9	70	71
PSP SWISS PROPERTY AG	92.65	3	235	235
QINETIQ GROUP PLC	3.56	49	174	176
QUBE HOLDINGS LTD	1.78	65	131	115
QUEBECOR INC	20.46	33	599	665
RAMIRENT OYJ	10.62	144	1,523	1,525
RATHBONE BROTHERS PLC	34.25	4	123	128

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
RATIONAL AG	652.66	0	91	109
RAYSUM CO LTD	14.69	14	199	206
RCR TOMLINSON LTD	2.20	18	45	41
RDI REIT PLC	0.46	207	105	95
REDROW PLC	7.04	233	1,758	1,642
REGIS RESOURCES LTD	3.78	304	850	1,150
REIT 1 LTD	3.96	38	142	149
RELO GROUP INC	26.40	6	117	150
REN - REDES ENERGETICAS NACION	2.80	43	137	120
RENEWABLES INFRASTRUCTURE GROU	1.45	757	1,084	1,099
RENGO CO LTD	8.80	16	92	143
RENISHAW PLC	69.97	4	178	265
RENTOKIL INITIAL PLC	4.63	109	408	507
REPLY SPA	67.95	4	182	260
RHEINMETALL AG	110.40	70	9,134	7,731
RHI MAGNESITA NV	60.07	2	69	122
RIB SOFTWARE SE	23.23	5	102	106
RIGHTMOVE PLC	70.11	6	307	402
RIKEN CORP	52.36	4	186	225
RIKEN KEIKI CO LTD	22.61	3	69	70
RITCHIE BROS AUCTIONEERS INC	34.09	6	159	191
ROCKWOOL INTERNATIONAL A/S	390.50	8	2,917	3,230
ROHTO PHARMACEUTICAL CO LTD	32.10	48	1,402	1,541
ROTORK PLC	4.42	60	184	265
ROUND ONE CORP	15.74	98	1,537	1,548
ROYAL UNIBREW A/S	79.68	3	158	260
RPC GROUP PLC	9.88	23	221	225
RUBIS SCA	62.46	5	303	330
RUSSEL METALS INC	20.43	6	113	119
S IMMO AG	19.52	10	140	187
S&T AG	25.78	8	118	210
SAAB AB	41.58	4	222	182
SACYR SA	0.06	54	3	3
SACYR SA	2.74	54	154	149
SAFESTORE HOLDINGS PLC	7.25	22	117	157
SAGA PLC	1.66	70	179	117
SAIPEM SPA	4.60	18	69	81
SAKAI MOVING SERVICE CO LTD	49.65	1	60	60
SALMAR ASA	41.94	32	1,047	1,339
SALZGITTER AG	43.61	7	262	291
SAN-AI OIL CO LTD	12.33	16	156	200
SANDFIRE RESOURCES NL	6.77	346	1,646	2,344
SAN-IN GODO BANK LTD/THE	8.95	40	374	355
SANKI ENGINEERING CO LTD	9.80	14	153	134
SANKYU INC	52.54	5	194	263
SANWA HOLDINGS CORP	10.60	11	121	116
SANYO CHEMICAL INDUSTRIES LTD	43.34	3	137	126
SANYO DENKI CO LTD	71.23	1	63	64
SARAS SPA	2.42	64	153	156

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Issuer	Price	Shares	Cost	Market Value
SARTORIUS STEDIM BIOTECH	104.50	2	145	188
SAVILLS PLC	11.49	11	118	121
SAWAI PHARMACEUTICAL CO LTD	45.50	2	135	109
SBANKEN ASA	10.50	13	121	137
SBM OFFSHORE NV	15.56	11	162	166
SCANDIC HOTELS GROUP AB	8.64	14	188	122
SCANDINAVIAN TOBACCO GROUP A/S	15.10	9	140	129
SCHOUW & CO A/S	88.30	2	182	144
SCHWEITER TECHNOLOGIES AG	1,041.34	0	185	169
SCOUT24 AG	53.05	45	2,166	2,392
SCREEN HOLDINGS CO LTD	70.42	6	489	437
SCSK CORP	46.49	3	139	135
SEIKO HOLDINGS CORP	21.52	3	84	65
SEINO HOLDINGS CO LTD	17.73	101	1,777	1,794
SEKISUI JUSHI CORP	20.98	9	165	187
SEMAPA-SOCIEDADE DE INVESTIMEN	26.80	20	455	527
SENIOR PLC	4.01	41	125	165
SENKO GROUP HOLDINGS CO LTD	7.91	261	2,014	2,060
SENSHU IKEDA HOLDINGS INC	3.38	48	200	163
SERIA CO LTD	48.03	10	506	495
SFS GROUP AG	105.54	1	144	129
SHAFTESBURY PLC	12.35	18	227	224
SHIGA BANK LTD/THE	5.12	30	158	154
SHIKOKU BANK LTD/THE	12.34	10	142	126
SHIKOKU ELECTRIC POWER CO INC	13.38	63	831	846
SHIMA SEIKI MANUFACTURING LTD	47.76	1	74	57
SHIMACHU CO LTD	31.78	3	67	89
SHINKO SHOJI CO LTD	15.67	32	405	508
SHINMAYWA INDUSTRIES LTD	11.75	22	178	259
SHINOKEN GROUP CO LTD	15.22	17	264	265
SHIZUOKA GAS CO LTD	9.17	20	202	187
SHO-BOND HOLDINGS CO LTD	69.61	5	380	376
SHOPPING CENTRES AUSTRALASIA P	1.81	90	161	164
SHOWA CORP	16.43	28	408	457
SHOWA DENKO KK	44.42	54	2,003	2,416
SIEGFRIED HOLDING AG	399.32	4	1,307	1,780
SIGMA HEALTHCARE LTD	0.60	143	90	86
SIGNIFY NV	25.98	7	266	178
SILTRONIC AG	143.08	29	4,323	4,170
SILVERCORP METALS INC	2.64	38	113	100
SIMCORP A/S	81.02	3	157	208
SIMS METAL MANAGEMENT LTD	11.88	151	1,865	1,800
SINOTRANS LTD	0.53	4,340	2,198	2,290
SINTOKOGIO LTD	8.87	7	92	65
SIRIUS REAL ESTATE LTD	0.82	165	146	136
SIRTEX MEDICAL LTD	23.24	28	620	645
SITC INTERNATIONAL HOLDINGS CO	1.12	89	86	99
SIXT SE	112.03	2	144	177
SKY NETWORK TELEVISION LTD	1.76	53	129	93

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
SKYCITY ENTERTAINMENT GROUP LT	2.74	31	98	86
SMARTGROUP CORP LTD	8.62	285	2,411	2,460
SMURFIT KAPPA GROUP PLC	40.51	13	526	516
SOCIETA CATTOLICA DI ASSICURAZ	8.34	18	145	150
SOCIETA INIZIATIVE AUTOSTRADAL	15.06	12	129	175
SODASTREAM INTERNATIONAL LTD	85.30	2	89	147
SOFINA SA	172.80	2	381	419
SOFTCAT PLC	10.11	13	89	128
SOFTWARE AG	46.60	38	1,994	1,768
SOJITZ CORP	3.63	591	2,074	2,143
SOLOCAL GROUP	1.28	95	131	122
SONAE SGPS SA	1.20	64	82	77
SOPHOS GROUP PLC	8.44	14	102	117
SOPRA STERIA GROUP	203.85	10	1,929	1,998
SPAR NORD BANK A/S	10.70	10	132	112
SPAREBANK 1 NORD NORGE	7.47	20	132	151
SPAREBANK 1 SMN	10.37	20	165	206
SPARK INFRASTRUCTURE GROUP	1.68	97	200	164
SPECTRIS PLC	34.46	7	249	253
SPEEDCAST INTERNATIONAL LTD	4.56	210	914	958
SPIE SA	20.29	6	158	114
SPIN MASTER CORP	44.31	2	84	88
SPIRAX-SARCO ENGINEERING PLC	86.08	5	334	413
SPORTS DIRECT INTERNATIONAL PL	5.27	31	113	164
SQUARE ENIX HOLDINGS CO LTD	49.11	13	516	614
SSAB AB	3.78	223	1,099	841
SSAB AB	4.73	208	1,175	985
SSP GROUP PLC	8.37	635	5,228	5,320
SSR MINING INC	9.86	13	126	129
ST BARBARA LTD	3.57	122	373	435
ST GALLER KANTONALBANK AG	519.66	0	105	127
ST MARC HOLDINGS CO LTD	24.68	10	311	254
ST MODWEN PROPERTIES PLC	5.55	29	168	164
STADA ARZNEIMITTEL AG	93.92	7	659	699
STANDARD LIFE INVESTMENT PROPE	1.23	96	124	118
STANTEC INC	25.70	8	188	196
STAR ENTERTAINMENT GRP LTD/THE	3.64	52	193	189
STARS GROUP INC (THE)	36.25	66	1,242	2,381
STE INDUSTRIELLE D'AVIATION LA	5.35	14	88	74
STEADFAST GROUP LTD	2.08	47	99	98
STO SE & CO KGAA	128.66	1	93	97
STOBART GROUP LTD	3.04	44	163	133
STOCK SPIRITS GROUP PLC	3.01	54	119	161
STOREBRAND ASA	8.07	38	242	306
STROEER SE & CO KGAA	60.54	1	89	71
STUDIO ALICE CO LTD	23.70	31	666	725
SUBSEA 7 SA	15.99	24	309	390
SUEDZUCKER AG	15.93	5	110	81
SUGI HOLDINGS CO LTD	57.87	3	142	150

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
SUMITOMO BAKELITE CO LTD	9.64	57	495	550
SUMITOMO DENSETSU CO LTD	17.92	4	88	73
SUMITOMO FORESTRY CO LTD	15.14	122	1,850	1,850
SUMITOMO MITSUI CONSTRUCTION C	6.96	149	959	1,039
SUMITOMO OSAKA CEMENT CO LTD	4.69	44	210	206
SUMITOMO SEIKA CHEMICALS CO LT	49.93	3	124	125
SUMITOMO WAREHOUSE CO LTD/THE	6.07	30	195	182
SUN FRONTIER FUDOUSAN CO LTD	11.84	26	311	312
SUN HUNG KAI & CO LTD	0.56	826	556	464
SUNEVISION HOLDINGS LTD	0.59	140	105	83
SUNLIGHT REAL ESTATE INVESTMEN	0.69	257	166	178
SUNRISE COMMUNICATIONS GROUP A	81.37	10	848	838
SUN-WA TECHNOS CORP	14.34	12	175	175
SUPER RETAIL GROUP LTD	5.98	29	181	173
SUPERIOR PLUS CORP	9.66	9	79	89
SUSHIRO GLOBAL HOLDINGS LTD	60.49	9	525	550
SVENSKA CELLULOSA AB SCA	10.88	41	397	446
SWECO AB	23.61	5	127	119
SWEDISH ORPHAN BIOVITRUM AB	21.85	359	5,951	7,848
SWISSQUOTE GROUP HOLDING SA	55.29	3	181	164
SYDBANK A/S	34.38	6	228	215
SYNTHOMER PLC	6.96	19	116	129
SYSTEMA CORP	10.22	9	76	94
TADANO LTD	12.29	7	80	86
TAG IMMOBILIEN AG	21.99	14	234	300
TAHOE RESOURCES INC	4.92	24	209	118
TAKARA STANDARD CO LTD	16.66	11	175	175
TAKASAGO INTERNATIONAL CORP	32.00	3	130	109
TALGO SA	6.00	31	187	187
TAMBURI INVESTMENT PARTNERS SP	6.89	22	129	152
TASSAL GROUP LTD	3.05	46	136	140
TATE & LYLE PLC	8.54	32	299	274
TECAN GROUP AG	242.71	1	144	184
TECHNOPOLIS OYJ	4.50	28	112	125
TECHNOPRO HOLDINGS INC	61.48	2	75	92
TELEKOM AUSTRIA AG	8.34	132	1,194	1,097
TELEPIZZA GROUP SA	6.76	11	65	77
TELFORD HOMES PLC	5.22	19	101	97
TETHYS OIL AB	11.33	127	1,158	1,437
TFI INTERNATIONAL INC	30.83	65	1,633	1,990
TGS NOPEC GEOPHYSICAL CO ASA	36.81	238	5,789	8,757
THERATECHNOLOGIES INC	9.64	47	480	452
THOMAS COOK GROUP PLC	1.42	1,194	1,881	1,698
THULE GROUP AB	24.91	7	139	182
TIETO OYJ	32.41	4	110	115
TIS INC	46.04	46	1,532	2,100
TKH GROUP NV	63.51	13	782	808
TLG IMMOBILIEN AG	26.67	10	227	267
TMX GROUP LTD	65.51	4	197	246

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
TOAGOSEI CO LTD	11.56	19	244	221
TOCALO CO LTD	10.46	6	61	63
TODA CORP	8.70	27	176	235
TOEI CO LTD	102.47	2	193	205
TOHO HOLDINGS CO LTD	24.40	8	191	203
TOHO ZINC CO LTD	37.02	19	1,010	685
TOKAI CARBON CO LTD	17.98	38	650	678
TOKAI TOKYO FINANCIAL HOLDINGS	6.39	38	202	241
TOKEN CORP	-	-	-	-
TOKUYAMA CORP	32.10	56	1,924	1,810
TOKYO CENTURY CORP	56.70	10	582	556
TOKYO DOME CORP	8.94	95	879	850
TOKYO OHKA KOGYO CO LTD	38.60	2	73	81
TOKYO SEIMITSU CO LTD	33.09	3	103	99
TOKYO STEEL MANUFACTURING CO L	8.88	18	147	162
TOKYU CONSTRUCTION CO LTD	9.72	86	926	836
TOMONY HOLDINGS INC	4.29	25	124	107
TOMTOM NV	9.06	339	3,315	3,068
TOPDANMARK A/S	43.78	4	188	179
TOPRE CORP	25.18	5	134	126
TOPY INDUSTRIES LTD	27.76	5	137	128
TOROMONT INDUSTRIES LTD	43.22	7	237	286
TOSEI CORP	10.60	125	947	1,322
TOSHIBA PLANT SYSTEMS & SERVIC	22.88	5	81	114
TOSHIBA TEC CORP	6.09	86	503	524
TOWA BANK LTD/THE	10.26	12	139	123
TOWA PHARMACEUTICAL CO LTD	53.54	5	317	284
TOWER SEMICONDUCTOR LTD	22.14	6	141	129
TOYO CONSTRUCTION CO LTD	4.44	47	255	208
TOYO INK SC HOLDINGS CO LTD	26.09	7	194	193
TOYO TIRE & RUBBER CO LTD	14.63	6	119	88
TP ICAP PLC	5.56	33	201	181
TRADE ME GROUP LTD	3.16	30	113	95
TRANSALTA CORP	5.02	29	164	147
TRANSCONTINENTAL INC	23.21	85	1,748	1,974
TRELLEBORG AB	21.38	16	379	344
TRICAN WELL SERVICE LTD	2.27	34	110	77
TRICON CAPITAL GROUP INC	8.39	23	202	191
TRIGANO SA	177.70	13	2,437	2,290
TRITAX BIG BOX REIT PLC	2.06	95	177	195
TS TECH CO LTD	41.76	7	214	301
TSUBAKIMOTO CHAIN CO	7.94	29	248	230
TSUGAMI CORP	8.87	48	660	426
TSUMURA & CO	32.32	5	187	145
TULLOW OIL PLC	3.23	73	136	235
TV ASAHI HOLDINGS CORP	21.97	8	140	171
TV TOKYO HOLDINGS CORP	30.56	14	370	416
UACJ CORP	21.56	145	3,757	3,130
UBE INDUSTRIES LTD	25.99	10	259	270

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Issuer	Price	Shares	Cost	Market Value
UBM PLC	14.26	23	206	326
ULVAC INC	38.28	3	131	96
UNIONE DI BANCHE ITALIANE SPA	3.84	71	306	273
UNIPOL GRUPPO SPA	3.86	375	1,819	1,450
UNIPRES CORP	19.60	136	3,093	2,666
UNIQA INSURANCE GROUP AG	9.20	14	123	130
UNITE GROUP PLC/THE	11.37	99	894	1,122
UNITED ENGINEERS LTD	2.06	43	86	89
UNITED LABORATORIES INTERNATIO	1.04	598	475	623
USHIO INC	12.72	9	126	113
UTD DRUG ORD EURO.05(DUBLIN	3.40	14	152	46
V TECHNOLOGY CO LTD	184.90	8	1,813	1,461
VALENER INC	15.37	7	123	110
VALIANT HOLDING AG	113.20	1	143	143
VALLOUREC SA	5.93	13	77	77
VALMET OYJ	19.29	6	121	122
VALOR HOLDINGS CO LTD	22.81	90	2,294	2,051
VASTNED RETAIL NV	47.17	2	88	85
VAT GROUP AG	133.54	2	209	218
VEDANTA RESOURCES PLC	8.54	24	235	208
VENTURE CORP LTD	13.08	183	3,990	2,398
VESUVIUS PLC	7.90	10	69	79
VICAT SA	65.62	2	111	102
VICTORIA PARK AB	4.25	32	139	136
VICTREX PLC	38.47	6	165	240
VIENNA INSURANCE GROUP AG WIEN	27.27	4	122	120
VISCOFAN SA	68.13	3	171	192
VITAL KSK HOLDINGS INC	10.42	19	166	201
VITASOY INTERNATIONAL HOLDINGS	3.20	534	1,427	1,708
VITROLIFE AB	14.67	7	100	100
VIVA ENERGY REIT	1.66	90	160	150
VONTOBEL HOLDING AG	72.46	8	465	549
VP BANK AG	190.14	8	1,019	1,465
VSTEC HOLDINGS LTD	0.50	146	81	73
VTECH HOLDINGS LTD	11.54	12	191	138
WACKER CHEMIE AG	130.94	11	1,966	1,479
WACKER NEUSON SE	25.41	41	1,064	1,032
WACOAL HOLDINGS CORP	29.16	4	108	114
WAJAX CORP	18.93	5	81	90
WAKITA & CO LTD	10.49	12	134	125
WALLENIUS WILHELMSSEN LOGISTICS	4.66	27	157	127
WALLENSTAM AB	9.00	13	121	114
WAREHOUSES DE PAUW CVA	126.56	2	218	265
WASHINGTON H SOUL PATTINSON &	15.29	10	123	149
WELCIA HOLDINGS CO LTD	53.18	29	1,510	1,526
WERELDHAVE NV	39.30	3	138	113
WESSANEN	21.04	3	67	70
WESTERN FOREST PRODUCTS INC	2.04	322	664	655
WESTJET AIRLINES LTD	13.78	6	100	79

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
WH SMITH PLC	26.39	249	6,604	6,577
WHITECAP RESOURCES INC	6.77	24	164	165
WHITEHAVEN COAL LTD	4.27	525	1,263	2,241
WIENERBERGER AG	24.96	8	174	188
WIHLBORGS FASTIGHETER AB	11.59	14	149	168
WILLIAM HILL PLC	4.01	55	193	221
WINPAK LTD	33.45	3	118	86
WISETECH GLOBAL LTD	11.57	13	116	145
WIX.COM LTD	100.30	2	152	214
WORKSPACE GROUP PLC	14.26	77	919	1,103
WORLDLINE SA/FRANCE	56.65	6	341	329
WORLEYPARSONS LTD	12.92	13	110	171
WUESTENROT & WUERTTEMBERGISCHE	20.53	3	73	70
XERO LTD	23.02	5	107	119
X-FAB SILICON FOUNDRIES SE	10.48	8	83	83
XING SE	322.83	4	1,162	1,221
XINYI GLASS HOLDINGS LTD	1.22	150	142	183
YAMANA GOLD INC	2.91	104	303	303
YAMATO KOGYO CO LTD	30.20	9	210	260
YAMAZEN CORP	9.56	28	289	264
YANLORD LAND GROUP LTD	1.17	1,341	1,778	1,564
YELLOW HAT LTD	29.57	7	162	195
YOKOGAWA BRIDGE HOLDINGS CORP	23.73	12	172	285
YUASA TRADING CO LTD	31.91	46	1,328	1,468
ZARDOYA OTIS SA	9.55	13	138	127
ZENRIN CO LTD	24.21	3	78	84
ZEON CORP	11.83	22	227	260
Developed International Equity		554,412	\$ 1,032,419	\$ 1,051,606
Developed International Equity Receivable				910
Total Developed International Equity			\$	1,052,516

Issuer	Price	Shares	Cost	Market Value
Emerging Markets Equity				
ABERDEEN EMERGING MARKETS	\$ 62.09	4,352	\$ 291,336	\$ 270,185
LSV EMERGING MARKETS EQUITY	292.79	1,929	579,190	564,669
SCHRODER EMF FUND NO 500 DNQ	9,721.01	48	388,337	466,462
WILLIAM BLAIR EMERGING MARKETS	16.90	22,336	265,690	377,471
Emerging Markets Equity		28,664	\$ 1,524,554	\$ 1,678,787
Emerging Markets Equity Receivable				-
Total Emerging Markets Equity			\$	1,678,787

Issuer	Price	Shares	Cost	Market Value
Equity Options Strategy				
AMERICAN EXPRESS CREDIT AC 1 A	\$ 99.74	10,000	\$ 9,999	\$ 9,974
AMERICAN HONDA FINANCE CO 144A	101.59	4,065	4,281	4,130
AMERICAN HONDA FINANCE CORP	98.45	1,926	1,891	1,896
AMERICAN HONDA FINANCE CORP	99.98	425	430	425
AMERICAN HONDA FINANCE CORP	100.02	850	854	850
AMERICAN HONDA FINANCE CORP	100.06	7,000	7,014	7,004

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Issuer	Price	Shares	Cost	Market Value
APPLE INC	98.60	3,000	2,959	2,958
APPLE INC	100.24	10,265	10,302	10,290
AQR STYLE PREMI	1.30	348,823	348,648	454,171
AQR VOLATILITY RIS	1.04	353,497	354,810	368,361
AT&T INC	100.32	8,000	8,038	8,025
AT&T INC	100.52	5,000	5,034	5,026
AUSTRALIA & NEW ZEALAND B 144A	100.49	1,000	1,001	1,005
BANK OF NOVA SCOTIA/HOUSTON	99.94	12,100	12,087	12,093
BMW US CAPITAL LLC 144A	100.34	7,800	7,800	7,826
CANADIAN IMPERIAL BANK OF COMM	100.10	13,000	13,000	13,012
CAPITAL ONE MULTI-ASSET A3 A3	98.70	12,413	12,248	12,251
CAPITAL ONE MULTI-ASSET A3 A3	100.20	2,185	2,195	2,189
CATERPILLAR FINANCIAL SERVICES	96.03	5,115	5,011	4,912
CATERPILLAR FINANCIAL SERVICES	99.45	4,384	4,380	4,360
CATERPILLAR FINANCIAL SERVICES	100.25	1,425	1,429	1,429
CHEVRON CORP	99.10	5,310	5,276	5,262
CISCO SYSTEMS INC	99.38	1,925	1,954	1,913
CISCO SYSTEMS INC	101.43	8,736	9,239	8,861
CITIBANK CREDIT CARD ISS A3 A3	98.31	5,440	5,341	5,348
CITIBANK CREDIT CARD ISS A6 A6	99.41	4,875	4,920	4,846
CITIBANK CREDIT CARD ISS A8 A8	97.66	2,000	2,000	1,953
CITIBANK CREDIT CARD ISS A9 A9	98.77	3,000	3,000	2,963
CITIBANK NA	100.08	10,070	10,070	10,078
CITIGROUP INC	101.49	2,358	2,390	2,393
COMMONWEALTH BANK OF AUST 144A	99.83	5,000	4,987	4,992
CREDIT AGRICOLE SA/LONDON 144A	101.21	2,875	2,898	2,910
DANSKE BANK A/S 144A	100.26	5,950	5,950	5,966
DZ BANK AG DEUTSCHE ZENTRAL-GE	100.03	9,965	9,965	9,968
EBAY INC	100.20	4,300	4,301	4,309
EXXON MOBIL CORP	98.60	7,459	7,458	7,354
FORD CREDIT AUTO OWNER T A A2A	99.98	1,680	1,680	1,680
FORD CREDIT AUTO OWNER T B A2B	100.00	7,911	7,911	7,911
FORD CREDIT AUTO OWNER T C A2A	99.63	4,441	4,440	4,424
GENERAL MILLS INC	101.67	1,775	1,907	1,805
HONDA AUTO RECEIVABLES 20 1 A2	99.81	3,700	3,700	3,693
HONDA AUTO RECEIVABLES 20 2 A2	99.71	2,662	2,662	2,655
HONDA AUTO RECEIVABLES 20 4 A2	99.68	4,246	4,246	4,233
HONDA AUTO RECEIVABLES 20 4 A2	99.93	471	471	471
HSBC HOLDINGS PLC	100.15	13,210	13,233	13,229
JOHN DEERE CAPITAL CORP	98.25	2,135	2,134	2,098
JOHN DEERE CAPITAL CORP	99.73	2,600	2,600	2,593
JOHN DEERE CAPITAL CORP	99.82	9,390	9,429	9,373
JOHNSON & JOHNSON	97.79	4,000	3,989	3,912
KREDITANSTALT FUER WIEDERAUFBA	100.05	1,300	1,343	1,301
MICROSOFT CORP	98.43	6,121	6,050	6,025
MIZUHO BANK LTD/NY	100.12	2,950	2,949	2,954
NATIONAL AUSTRALIA BANK L 144A	100.10	10,000	10,000	10,010
NATIONAL BANK CANADA ISNTL C/D	99.99	7,900	7,900	7,899
NESTLE HOLDINGS INC REGS	97.57	3,884	3,814	3,790

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
NISSAN AUTO RECEIVABLES 2 A A3	99.89	627	627	626
NISSAN AUTO RECEIVABLES A A2A	99.77	1,400	1,400	1,397
NISSAN AUTO RECEIVABLES A A2B	100.02	1,400	1,400	1,400
NORDEA BK AB INSTL C/D	100.20	10,250	10,250	10,270
NOVARTIS CAPITAL CORP	98.45	6,180	6,156	6,084
NOVARTIS SECURITIES INVESTMENT	101.42	6,235	6,425	6,324
PFIZER INC	98.55	7,766	7,755	7,654
PFIZER INC	99.00	4,175	4,137	4,133
PHARMACIA LLC	101.55	2,396	2,563	2,433
PROVINCE OF QUEBEC CANADA	100.04	5,240	5,251	5,242
PROVINCE OF QUEBEC CANADA	100.24	8,980	8,980	9,001
RECKITT BENCKISER TREASUR 144A	95.61	2,455	2,453	2,347
RECKITT BENCKISER TREASUR 144A	99.79	4,360	4,360	4,351
RIB FLOATER TRUST	100.00	12,900	12,900	12,900
S & P 500 INDEX (SPX)	2,230.00	(0)	(1,222)	(856)
S & P 500 INDEX (SPX)	5,140.00	(0)	(1,247)	(1,969)
S & P 500 INDEX (SPX)	5,630.00	(1)	(6,447)	(6,497)
S & P 500 INDEX (SPX)	6,230.00	(0)	(1,177)	(2,367)
S&P 500 INDEX SPX	5,750.00	(1)	(3,595)	(6,636)
SHELL INTERNATIONAL FINANCE BV	98.94	14,225	14,083	14,074
SKANDINAVISKA ENSKILDA BA 144A	99.91	7,700	7,700	7,693
SUMITOMO MITSUI BANKING CORP/N	100.21	12,100	12,088	12,126
SVENSKA HANDELSBANKEN AB	101.85	2,215	2,254	2,256
TENDER OPTION BOND TRUST RECEI	100.00	17,925	17,925	17,925
TORONTO-DOMINION BANK/THE	99.59	6,620	6,620	6,593
TORONTO-DOMINION BANK/THE	100.19	7,750	7,750	7,765
TOYOTA AUTO RECEIVABLES A A2A	99.63	8,830	8,829	8,797
TOYOTA AUTO RECEIVABLES A A2A	99.85	1,499	1,498	1,496
TOYOTA AUTO RECEIVABLES D A2A	99.51	4,700	4,700	4,677
TOYOTA MOTOR CREDIT CORP	99.93	10,300	10,300	10,293
TOYOTA MOTOR CREDIT CORP	100.14	1,900	1,900	1,903
UNILEVER CAPITAL CORP	96.14	1,435	1,423	1,380
US BANCORP	99.62	1,500	1,515	1,494
US BANK NA/CINCINNATI OH	100.21	8,695	8,695	8,714
WALMART INC	100.14	2,375	2,375	2,378
WALT DISNEY CO/THE	100.15	10,775	10,776	10,791
WESTPAC BANKING CORP 144A	100.12	3,500	3,500	3,504
Equity Options Strategy		1,180,318	\$ 1,168,515	\$ 1,281,052
Equity Options Strategy Receivable				1,771
Total Equity Options Strategy				\$ 1,282,823

Issuer	Price	Shares	Cost	Market Value
Public Global Equity				
1&1 DRILLISCH AG	\$ 56.93	8	\$ 635	\$ 444
3I GROUP PLC	11.89	13	136	160
3M CO	196.72	51	8,516	10,072
A2A SPA	1.73	126	188	218
AAK AB	15.94	1	17	22
AARON'S INC	43.45	0	5	9

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Issuer	Price	Shares	Cost	Market Value
ABB LTD	21.86	88	1,937	1,934
ABBOTT LABORATORIES	60.99	88	5,035	5,337
ABBVIE INC	92.65	125	10,813	11,536
ABCAM PLC	17.61	6	50	106
ABIOMED INC	409.05	3	1,303	1,279
ABN AMRO GROUP NV	25.94	29	872	757
ACACIA MINING PLC	1.66	45	173	74
ACADIA PHARMACEUTICALS INC	15.27	0	5	5
ACCENTURE PLC	163.59	42	6,434	6,820
ACEA SPA	14.87	3	41	42
ACERINOX SA	13.24	2	30	28
ACS ACTIVIDADES DE CONSTRUCCIO	40.51	31	1,287	1,259
ACTIVISION BLIZZARD INC	76.32	36	2,365	2,710
ACUITY BRANDS INC	115.87	1	81	81
ACXIOM CORP	29.95	2	43	57
ADASTRIA CO LTD	12.68	0	4	3
ADECCO GROUP AG	59.18	75	5,342	4,451
ADIDAS AG	218.27	0	3	3
ADIANT PLC	49.19	0	29	20
ADMIRAL GROUP PLC	25.18	11	266	273
ADOBE SYSTEMS INC	243.81	75	12,043	18,251
ADTALEM GLOBAL EDUCATION INC	48.10	6	178	293
ADVANCED DISPOSAL SERVICES INC	24.78	0	2	2
ADVANCED ENERGY INDUSTRIES INC	58.09	0	9	10
AECOM	33.03	1	25	23
AEGON NV	6.00	400	2,641	2,398
AENA SME SA	181.55	0	60	54
AEON CO LTD	21.40	65	1,090	1,393
AEON MALL CO LTD	17.97	9	174	157
AERCAP HOLDINGS NV	54.15	11	512	596
AEROJET ROCKETDYNE HOLDINGS IN	29.49	0	3	3
AEROPORTS DE PARIS	226.15	6	1,031	1,377
AES CORP/VA	13.41	2	20	21
AETNA INC	183.50	31	5,195	5,760
AFLAC INC	43.02	40	1,518	1,717
AGEAS	50.45	113	5,558	5,700
AGGREKO PLC	8.92	27	320	238
AGILENT TECHNOLOGIES INC	61.84	64	3,464	3,968
AGL ENERGY LTD	16.61	57	1,120	951
AHRESTY CORP	8.91	1	8	7
AIA GROUP LTD	8.74	94	777	824
AIR FRANCE-KLM	8.15	0	7	3
AIR LIQUIDE SA	125.75	7	888	883
AIR PRODUCTS & CHEMICALS INC	155.73	32	4,175	4,921
AIRBUS SE	117.06	27	2,450	3,105
AISIN SEIKI CO LTD	45.59	23	1,238	1,053
AIXTRON SE	12.96	60	995	777
AKAMAI TECHNOLOGIES INC	73.23	34	2,576	2,508
AKEBONO BRAKE INDUSTRY CO LTD	2.43	83	264	201

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
AKER BP ASA	36.91	15	499	546
AKORN INC	16.59	1	6	8
AKZO NOBEL NV	85.60	16	1,509	1,388
ALBANY INTERNATIONAL CORP	60.15	0	4	6
ALBEMARLE CORP	94.33	1	92	85
ALEXION PHARMACEUTICALS INC	124.15	0	11	12
ALFA LAVAL AB	23.76	38	921	911
ALFRESA HOLDINGS CORP	23.52	20	449	473
ALIBABA PICTURES GROUP LTD	0.11	120	19	13
ALIGN TECHNOLOGY INC	342.14	15	3,205	5,125
ALLEGHANY CORP	574.97	0	147	172
ALLEGHENY TECHNOLOGIES INC	25.12	1	30	30
ALLEGION PLC	77.36	1	43	46
ALLERGAN PLC	166.72	0	15	17
ALLIANZ SE	206.68	44	8,750	9,071
ALLIED PROPERTIES REIT	31.81	0	10	10
ALLISON TRANSMISSION HOLDINGS	40.49	100	3,015	4,057
ALLSCRIPTS HEALTHCARE SOLUTION	12.00	1	12	11
ALLSTATE CORP/THE	91.27	94	7,001	8,572
ALLY FINANCIAL INC	26.27	72	1,974	1,891
ALMIRALL SA	13.40	6	73	77
ALNYLAM PHARMACEUTICALS INC	98.49	2	266	217
ALPHABET INC-CL A	1,129.19	14	9,964	16,028
ALPHABET INC-CL C	1,115.65	18	13,590	20,222
ALPS ELECTRIC CO LTD	25.69	13	352	339
ALSTOM SA	45.95	1	33	47
ALSTRIA OFFICE REIT-AG	15.03	9	122	132
ALTium LTD	16.63	0	1	7
ALTRIA GROUP INC	56.79	78	4,680	4,424
ALUMINA LTD	2.07	471	795	974
AMADA HOLDINGS CO LTD	9.62	44	448	418
AMADEUS IT GROUP SA	78.93	29	2,067	2,278
AMAG PHARMACEUTICALS INC	19.50	4	92	80
AMAZON.COM INC	1,699.80	26	27,851	43,443
AMCOR LTD/AUSTRALIA	10.65	9	103	97
AMDOCS LTD	66.19	31	1,804	2,065
AMEDISYS INC	85.46	0	5	9
AMEREN CORP	60.85	31	1,689	1,868
AMERICAN ELECTRIC POWER CO INC	69.25	37	2,362	2,576
AMERICAN EQUITY INVESTMENT LIF	36.00	1	15	25
AMERICAN EXPRESS CO	98.00	19	1,850	1,852
AMERICAN HOMES 4 RENT	22.18	18	389	406
AMERICAN INTERNATIONAL GROUP I	53.02	2	97	90
AMERICAN TOWER CORP	144.17	44	5,796	6,349
AMERICAN WATER WORKS CO INC	85.38	6	448	470
AMERIPRISE FINANCIAL INC	139.88	3	469	469
AMETEK INC	72.16	19	1,355	1,364
AMGEN INC	184.59	12	2,110	2,287
AMICUS THERAPEUTICS INC	15.62	8	112	127

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Issuer	Price	Shares	Cost	Market Value
AMNEAL PHARMACEUTICALS INC	16.41	1	13	15
AMP LTD	2.63	21	65	56
AMPHENOL CORP	87.15	13	1,005	1,159
AMPLIFON SPA	20.74	7	67	152
AMS AG	74.30	0	8	6
AMUNDI SA	69.28	6	500	404
ANA HOLDINGS INC	36.74	39	1,491	1,444
ANADARKO PETROLEUM CORP	73.25	140	7,873	10,251
ANALOG DEVICES INC	95.92	25	1,869	2,388
ANDEAVOR	131.18	2	175	223
ANGANG STEEL CO LTD	0.90	4	4	4
ANGLO AMERICAN PLC	22.38	295	7,102	6,594
ANHEUSER-BUSCH INBEV SA/NV	100.99	0	40	42
ANHUI CONCH CEMENT CO LTD	5.74	18	108	103
ANNALY CAPITAL MANAGEMENT INC	10.29	43	513	445
ANSELL LTD	20.09	0	0	0
ANSYS INC	174.18	0	9	17
ANTERO MIDSTREAM GP LP	18.86	0	2	2
ANTHEM INC	238.03	32	6,250	7,648
ANTOFAGASTA PLC	13.07	253	3,416	3,311
AO SMITH CORP	59.15	0	5	6
AON PLC	137.17	1	171	165
AOZORA BANK LTD	38.05	24	874	894
APAMAN CO LTD	11.03	1	16	15
APARTMENT INVESTMENT & MANAGEM	42.30	2	70	72
APERGY CORP	41.75	0	9	10
APOLLO INVESTMENT CORP	5.57	3	15	15
APPLE INC	185.11	379	47,789	70,191
APPLIED MATERIALS INC	46.19	196	7,562	9,031
APPLUS SERVICES SA	13.35	4	40	59
APPTIO INC	36.20	0	3	4
APTIV PLC	91.63	24	1,941	2,172
ARAMARK	37.10	14	540	519
ARCBEST CORP	45.70	0	9	9
ARCELORMITTAL	29.32	80	2,691	2,356
ARCH CAPITAL GROUP LTD	26.46	6	146	146
ARCHER-DANIELS-MIDLAND CO	45.83	0	4	5
ARCONIC INC	17.01	2	37	27
ARES CAPITAL CORP	16.45	37	595	610
ARGENX SE	84.41	0	14	14
ARISTA NETWORKS INC	257.49	9	1,807	2,430
ARISTOCRAT LEISURE LTD	22.83	67	543	1,520
ARKEMA SA	118.39	1	154	162
ARMSTRONG WORLD INDUSTRIES INC	63.20	4	159	269
AROUNDTOWN SA	8.21	85	701	698
ARRIS INTERNATIONAL PLC	24.45	11	303	276
ARROW ELECTRONICS INC	75.28	0	7	8
ARTSPARK HOLDINGS INC	13.09	3	60	43
ARYZTA AG	15.00	3	39	39

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
ASAHI DIAMOND INDUSTRIAL CO LT	7.07	2	16	14
ASAHI GROUP HOLDINGS LTD	51.21	47	2,203	2,391
ASAHI INTECC CO LTD	37.83	0	11	11
ASAHI KASEI CORP	12.71	13	140	164
ASHTED GROUP PLC	30.01	28	753	853
ASM INTERNATIONAL NV	55.30	0	10	8
ASML HOLDING NV	198.13	33	5,082	6,546
ASOS PLC	80.56	4	295	314
ASPEN TECHNOLOGY INC	92.74	1	29	58
ASR NEDERLAND NV	40.84	6	236	227
ASSICURAZIONI GENERALI SPA	16.78	62	1,202	1,034
ASSOCIATED BRITISH FOODS PLC	36.15	41	1,525	1,500
ASSURANT INC	103.49	3	267	296
ASSURED GUARANTY LTD	35.73	0	7	7
ASTELLAS PHARMA INC	15.25	128	1,848	1,953
ASTRAZENECA PLC	69.35	28	1,883	1,965
AT&T INC	32.11	113	3,675	3,618
ATCO LTD	30.85	0	8	6
ATHENE HOLDING LTD	43.84	2	70	66
ATLANTIA SPA	29.56	21	601	615
ATLANTIC POWER CORP	2.20	15	37	33
ATLAS COPCO AB	29.15	41	1,007	1,184
ATLISSIAN CORP PLC	62.52	2	83	100
ATMOS ENERGY CORP	90.14	1	44	54
ATOS SE	136.55	28	2,448	3,849
ATRESMEDIA CORP DE MEDIOS DE C	8.41	15	163	129
AURIZON HOLDINGS LTD	3.20	810	2,912	2,590
AURUBIS AG	76.47	2	168	131
AUSTRALIA & NEW ZEALAND BANKIN	20.87	0	1	1
AUTODESK INC	131.09	2	241	236
AUTOGRILL SPA	12.41	80	716	994
AUTOLIV INC	103.04	2	228	214
AUTONATION INC	48.58	0	5	5
AUTOZONE INC	670.93	5	3,321	3,496
AVALONBAY COMMUNITIES INC	171.89	3	538	549
AVANGRID INC	52.93	2	79	97
AVERY DENNISON CORP	102.10	15	1,671	1,491
AVEVA GROUP PLC	35.46	2	49	56
AVIVA PLC	6.65	57	366	377
AXA SA	24.54	87	2,156	2,131
AXEL SPRINGER SE	72.33	9	723	636
BAE SYSTEMS PLC	8.54	185	1,538	1,581
BAKER HUGHES A GE CO	33.03	50	2,097	1,635
BALL CORP	35.55	1	28	26
BALOISE HOLDING AG	145.32	9	1,306	1,260
BANCO BILBAO VIZCAYA ARGENTARI	7.09	256	2,186	1,814
BANCO BPM SPA	2.93	1	2	2
BANCO COMERCIAL PORTUGUES SA	0.30	1,254	345	377
BANCO DE SABADELL SA	1.68	317	507	531

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Issuer	Price	Shares	Cost	Market Value
BANCO SANTANDER SA	5.36	0	3	2
BANK LEUMI LE-ISRAEL BM	5.90	214	1,303	1,261
BANK OF AMERICA CORP	28.19	355	9,171	9,993
BANK OF KYOTO LTD/THE	46.31	1	66	65
BANK OF MONTREAL	77.25	5	385	386
BANK OF NEW YORK MELLON CORP/T	53.93	4	213	210
BANK OF NOVA SCOTIA	56.59	112	6,380	6,331
BANK OF NT BUTTERFIELD & SON L	45.72	0	13	18
BANK OF QUEENSLAND LTD	7.53	48	456	361
BANKIA SA	3.74	74	353	278
BANKUNITED INC	40.85	1	21	20
BAPCOR LTD	4.84	2	7	10
BARCLAYS PLC	2.50	1,333	3,693	3,326
BARNES GROUP INC	58.90	0	5	9
BARRATT DEVELOPMENTS PLC	6.80	188	1,414	1,281
BARRY CALLEBAUT AG	1,792.64	1	1,333	1,169
BASF SE	95.63	93	8,989	8,868
BAXTER INTERNATIONAL INC	73.84	32	1,748	2,339
BAYERISCHE MOTOREN WERKE AG	90.64	46	4,697	4,200
BCE INC	40.47	1	43	36
BE SEMICONDUCTOR INDUSTRIES NV	27.06	3	107	73
BEAZLEY PLC	7.74	3	24	23
BECHTLE AG	77.18	4	180	282
BED BATH & BEYOND INC	19.93	6	107	122
BEIERSDORF AG	113.53	2	203	200
BEKAERT SA	32.46	3	145	106
BELDEN INC	61.12	0	6	6
BELLWAY PLC	39.66	0	4	5
BENEFICIAL BANCORP INC	16.20	8	102	126
BENESSE HOLDINGS INC	35.48	1	48	46
BENI STABILI SPA SIIQ	0.88	145	83	127
BERKELEY GROUP HOLDINGS PLC	49.97	90	4,485	4,473
BERKSHIRE HATHAWAY INC	186.65	83	12,495	15,521
BERRY GLOBAL GROUP INC	45.94	4	227	188
BEST BUY CO INC	74.58	106	6,919	7,934
BGC PARTNERS INC	11.32	0	5	5
BHP BILLITON LTD	25.05	332	7,314	8,328
BHP BILLITON LTD	50.01	73	3,128	3,646
BHP BILLITON PLC	22.52	315	6,309	7,106
BIG LOTS INC	41.78	0	5	4
BILFINGER SE	50.86	1	28	30
BIOGEN INC	290.24	13	3,734	3,802
BIOMARIN PHARMACEUTICAL INC	94.20	1	43	47
BLACK KNIGHT INC	53.55	10	379	530
BLACKBERRY LIMITED	9.64	101	1,152	975
BLACKBERRY LTD	9.65	34	348	330
BLACKROCK INC	499.04	8	4,464	4,092
BLACKROCK MSCI WORLD INDEX	20.74	51,617	802,570	1,070,291
BLOOMIN' BRANDS INC	20.10	3	71	66

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
BLUCORA INC	37.00	0	5	7
BLUESCOPE STEEL LTD	12.75	218	2,296	2,786
BNP PARIBAS SA	62.10	65	4,402	4,051
BOARDWALK REAL ESTATE INVT	34.72	1	19	17
BOC HONG KONG HOLDINGS LTD	4.71	228	1,078	1,074
BODYCOTE PLC	12.93	5	37	61
BOEING CO/THE	335.51	71	15,929	23,911
BOLIDEN AB	32.48	173	5,063	5,610
BOMBARDIER INC	3.95	11	28	45
BONANZA CREEK ENERGY INC	37.87	0	14	18
BOOKING HOLDINGS INC	2,027.09	2	3,973	4,731
BOOZ ALLEN HAMILTON HOLDING CO	43.73	0	4	4
BORAL LTD	4.82	101	614	488
BORGWARNER INC	43.16	0	5	4
BOSKALIS WESTMINSTER	29.13	5	153	149
BOSTON PROPERTIES INC	125.42	3	441	421
BOSTON SCIENTIFIC CORP	32.70	4	104	124
BOUYGUES SA	43.09	47	2,161	2,042
BPER BANCA	5.50	0	1	1
BRADY CORP	38.55	0	6	8
BRAMBLES LTD	6.56	3	22	21
BRICKWORKS LTD	11.56	2	18	20
BRIGHOUSE FINANCIAL INC	40.07	0	19	16
BRIGHTSPHERE INVESTMENT GROUP	14.26	0	5	5
BRINKER INTERNATIONAL INC	47.60	0	4	5
BRISTOL-MYERS SQUIBB CO	55.34	335	19,228	18,535
BRISTOW GROUP INC	14.11	0	1	1
BRITISH AMERICAN TOBACCO PLC	50.45	37	2,360	1,872
BRITISH AMERICAN TOBACCO PLC	50.57	90	5,603	4,563
BRITISH LAND CO PLC/THE	8.87	37	413	326
BRIXMOR PROPERTY GROUP INC	17.43	46	718	804
BROADCOM INC	242.64	3	646	773
BROADRIDGE FINANCIAL SOLUTIONS	115.10	16	1,815	1,865
BROTHER INDUSTRIES LTD	19.75	1	26	22
BROWN & BROWN INC	27.73	0	11	11
BROWN-FORMAN CORP	49.01	36	1,978	1,784
BRUKER CORP	29.04	15	353	421
BRUNSWICK CORP/DE	64.48	2	139	142
BT GROUP PLC	2.88	690	2,859	1,984
BTG PLC	6.81	4	35	29
BUCHER INDUSTRIES AG	334.76	0	90	79
BUILDERS FIRSTSOURCE INC	18.29	1	22	18
BUNGE LTD	69.71	3	227	209
BURBERRY GROUP PLC	28.52	10	230	275
BURLINGTON STORES INC	150.53	1	72	90
BWX TECHNOLOGIES INC	62.32	17	587	1,047
CA INC	35.65	20	684	720
CABOT OIL & GAS CORP	23.80	46	1,120	1,104
CADENCE BANCORP	28.87	1	35	35

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Issuer	Price	Shares	Cost	Market Value
CADENCE DESIGN SYSTEMS INC	43.31	45	1,806	1,962
CAFE DE CORAL HOLDINGS LTD	2.42	2	6	5
CAIXABANK SA	4.33	11	47	50
CALIFORNIA RESOURCES CORP	45.44	4	139	168
CALTEX AUSTRALIA LTD	24.04	57	1,431	1,382
CANADIAN APARTMENT PPTYS REIT	32.41	0	3	3
CANADIAN IMPERIAL BK OF COMM	86.94	3	258	261
CANADIAN NATIONAL RAILWAY CO	81.74	60	4,454	4,929
CANADIAN NATURAL RESOURCES LTD	36.07	151	5,071	5,458
CANADIAN PACIFIC RAILWAY LTD	183.02	17	2,692	3,148
CANADIAN TIRE CORP LTD	130.45	0	11	13
CANADIAN UTILITIES LTD	25.24	1	16	13
CANCOM SE	102.16	2	241	223
CANFOR CORPORATION NEW	24.05	1	19	24
CANON INC	32.78	99	3,686	3,258
CAPCOM CO LTD	24.65	7	144	160
CAPGEMINI SE	134.50	27	2,864	3,655
CAPITA PLC	2.11	4	5	8
CAPITAL ONE FINANCIAL CORP	91.90	12	1,069	1,106
CAPITALAND COMMERCIAL TRUST	1.22	490	658	597
CAR INC	1.00	1	2	1
CARDINAL HEALTH INC	48.83	14	764	698
CAREDX INC	12.24	1	16	16
CARGOTEC OYJ	50.60	3	186	156
CARL ZEISS MEDITEC AG	68.24	1	20	49
CARLISLE COS INC	108.31	2	165	195
CARLSBERG A/S	117.78	1	104	105
CARNIVAL CORP	57.31	22	1,486	1,286
CARNIVAL PLC	57.39	43	2,334	2,474
CARREFOUR SA	16.19	0	4	2
CARTER'S INC	108.39	4	378	401
CASTELLUM AB	16.23	1	21	22
CATERPILLAR INC	135.67	33	5,120	4,464
CAWACHI LTD	20.47	2	28	37
CBOE GLOBAL MARKETS INC	104.07	19	2,059	1,946
CBRE GROUP INC	47.74	19	844	902
CDK GLOBAL INC	65.05	6	372	371
CDW CORP/DE	80.79	6	401	476
CELANESE CORP	111.06	18	1,350	2,022
CELGENE CORP	79.42	11	977	834
CENOVUS ENERGY INC	10.38	55	548	573
CENTENE CORP	123.21	47	4,314	5,815
CENTRICA PLC	2.08	64	126	133
CF INDUSTRIES HOLDINGS INC	44.40	37	1,468	1,634
CH ROBINSON WORLDWIDE INC	83.66	20	1,839	1,673
CHALLENGER LTD/AUSTRALIA	8.74	0	3	3
CHARLES RIVER LABORATORIES INT	112.26	0	27	34
CHARLES SCHWAB CORP/THE	51.10	5	281	250
CHEMOURS CO/THE	44.36	36	1,462	1,587

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
CHEVRON CORP	126.43	77	9,466	9,710
CHIBA BANK LTD/THE	7.07	11	82	76
CHINA CINDA ASSET MANAGEMENT C	0.32	7	3	2
CHINA CONCH VENTURE HOLDINGS L	3.66	3	5	9
CHINA EVERGRANDE GROUP	2.55	13	38	33
CHINA GALAXY SECURITIES CO LTD	0.51	4	4	2
CHINA HUARONG ASSET MANAGEMENT	0.29	267	108	77
CHINA HUIZHAN DAIRY HOLDINGS C	-	1,033	392	-
CHINA LIFE INSURANCE CO LTD	2.58	56	157	145
CHINA MERCHANTS BANK CO LTD	3.69	27	123	98
CHINA MINSHENG BANKING CORP LT	0.72	4	3	3
CHINA POWER INTERNATIONAL DEVE	0.23	37	10	9
CHINA RESOURCES BEER HOLDINGS	4.86	64	177	311
CHINA RESOURCES CEMENT HOLDING	1.01	60	70	61
CHINA RESOURCES PHARMACEUTICAL	1.38	13	18	17
CHINA SCE PROPERTY HOLDINGS LT	0.47	44	18	21
CHINA SHENHUA ENERGY CO LTD	2.37	3	7	7
CHINA VANKE CO LTD	3.50	0	0	0
CHIPOTLE MEXICAN GRILL INC	431.37	0	84	86
CHOW TAI FOOK JEWELLERY GROUP	1.13	17	17	19
CHR HANSEN HOLDING A/S	92.36	16	1,446	1,517
CHRISTIAN DIOR SE	418.22	0	151	180
CHUBB LTD	127.02	11	1,471	1,403
CHUGAI PHARMACEUTICAL CO LTD	52.45	3	153	157
CI FINANCIAL INC	17.96	20	445	365
CIE AUTOMOTIVE SA	29.52	1	35	26
CIE DE SAINT-GOBAIN	44.68	91	4,613	4,059
CIE FINANCIERE RICHEMONT SA	84.72	27	2,419	2,256
CIE GENERALE DES ETABLISSEMENT	121.78	28	3,540	3,364
CIENA CORP	26.51	3	58	72
CIGNA CORP	169.95	42	7,456	7,197
CIMAREX ENERGY CO	101.74	0	12	10
CIMIC GROUP LTD	31.25	89	2,363	2,782
CIMPRESS NV	144.96	0	25	52
CINCINNATI FINANCIAL CORP	66.86	0	21	20
CIRRUS LOGIC INC	38.33	4	173	153
CISCO SYSTEMS INC	43.03	185	6,631	7,974
CITIGROUP INC	66.92	49	3,639	3,252
CITIZENS FINANCIAL GROUP INC	38.90	7	291	280
CITRIX SYSTEMS INC	104.84	23	1,880	2,359
CITY DEVELOPMENTS LTD	8.02	32	288	258
CK ASSET HOLDINGS LTD	7.94	239	2,022	1,898
CK HUTCHISON HOLDINGS LTD	10.60	63	789	663
CK INFRASTRUCTURE HOLDINGS LTD	7.41	81	705	597
CLARIANT AG	23.99	57	1,479	1,375
CLEVELAND-CLIFFS INC	8.43	2	16	17
CLOVIS ONCOLOGY INC	45.47	1	39	27
CME GROUP INC	163.92	44	6,466	7,270
CNOOC LTD	1.73	381	582	658

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
CNP ASSURANCES	22.76	39	694	880
CNX RESOURCES CORP	17.78	3	40	53
COBHAM PLC	1.70	100	165	169
COCA-COLA AMATIL LTD	6.80	48	347	327
COCA-COLA CO/THE	43.86	11	488	461
COCA-COLA EUROPEAN PARTNERS PL	40.61	6	239	256
COCA-COLA EUROPEAN PARTNERS PL	40.64	3	133	138
COCA-COLA HBC AG	33.42	70	1,659	2,346
COCHLEAR LTD	147.90	14	1,806	2,017
COEUR MINING INC	7.60	9	101	71
COGECO COMMUNICATIONS INC	49.50	0	21	15
COGNEX CORP	44.61	1	26	25
COGNIZANT TECHNOLOGY SOLUTIONS	78.99	77	5,711	6,104
COHU INC	24.51	0	2	2
COLFAX CORP	30.65	1	51	43
COLGATE-PALMOLIVE CO	64.81	110	7,864	7,149
COLONY CAPITAL INC	6.24	2	13	10
COLOPL INC	6.77	3	25	22
COLOPLAST A/S	99.95	0	2	2
COLRUYT SA	57.06	0	3	3
COLUMBIA BANKING SYSTEM INC	40.90	0	4	4
COLUMBIA PROPERTY TRUST INC	22.71	0	4	4
COM HEM HOLDING AB	16.28	19	238	306
COMCAST CORP	32.81	279	9,317	9,139
COMERICA INC	90.92	16	1,460	1,427
COMFORTDELGRO CORP LTD	1.72	16	28	28
COMINAR REIT	9.75	1	10	9
COMMERZBANK AG	9.59	163	2,358	1,563
COMMONWEALTH BANK OF AUSTRALIA	53.84	0	5	5
COMMSCOPE HOLDING CO INC	29.21	30	1,095	887
COMMVault SYSTEMS INC	65.85	0	21	26
COMPASS GROUP PLC	21.37	19	391	397
COMPUGROUP MEDICAL SE	51.37	1	36	32
COMPUTERSHARE LTD	13.62	24	270	333
CONAGRA BRANDS INC	35.73	73	2,699	2,598
CONCHO RESOURCES INC	138.35	2	324	318
CONCORDIA FINANCIAL GROUP LTD	5.09	7	38	35
CONDUENT INC	18.17	15	234	270
CONN'S INC	33.00	0	3	3
CONOCOPHILLIPS	69.62	213	13,086	14,834
CONSOL ENERGY INC	38.35	1	23	42
CONSOLIDATED EDISON INC	77.98	40	3,138	3,158
CONSTELLATION BRANDS INC	218.87	25	5,369	5,379
CONSTELLATION SOFTWARE INC	775.06	5	3,312	3,778
CONTINENTAL AG	228.31	32	8,585	7,214
CONTINENTAL BUILDING PRODUCTS	31.55	14	301	454
CONTINENTAL RESOURCES INC/OK	64.76	23	1,510	1,509
CONVERGYS CORP	24.44	0	2	2
CORECIVIC INC	23.89	2	43	41

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
CORELOGIC INC/UNITED STATES	51.90	48	1,929	2,502
COREPOINT LODGING INC	25.90	0	3	3
CORNERSTONE ONDEMAND INC	47.43	0	11	14
COSCO SHIPPING DEVELOPMENT CO	0.17	166	38	28
COSTAR GROUP INC	412.63	3	786	1,114
COSTCO WHOLESALE CORP	208.98	11	2,042	2,205
COVANTA HOLDING CORP	16.50	0	4	4
COVESTRO AG	89.22	15	1,448	1,375
COVIVIO	104.03	6	680	643
CRAMO OYJ	23.25	0	2	2
CREDIT AGRICOLE SA	13.35	116	1,870	1,544
CREDIT SAISON CO LTD	15.75	23	418	361
CREDIT SUISSE GROUP AG	14.88	66	1,096	981
CREDIT SUISSE GROUP AG	15.06	37	624	559
CREE INC	41.57	3	92	112
CREST NICHOLSON HOLDINGS PLC	5.15	2	19	11
CRH PLC	35.32	12	402	419
CROCS INC	17.61	4	49	67
CRODA INTERNATIONAL PLC	63.40	8	470	477
CROWN CASTLE INTERNATIONAL COR	107.82	9	797	992
CROWN HOLDINGS INC	44.76	16	830	725
CROWN RESORTS LTD	9.97	95	900	944
CSL LTD	142.32	16	1,775	2,244
CSX CORP	63.78	42	2,258	2,707
CUBESMART	32.22	1	18	19
CUMMINS INC	133.00	0	17	13
CVS HEALTH CORP	64.35	0	14	13
CYPRESS SEMICONDUCTOR CORP	15.58	0	5	5
CYTOMX THERAPEUTICS INC	22.86	0	3	2
DAH SING FINANCIAL HOLDINGS LT	5.84	2	17	14
DAICEL CORP	11.07	88	1,061	972
DAIFUKU CO LTD	43.83	33	2,080	1,460
DAI-ICHI LIFE HOLDINGS INC	17.84	83	1,479	1,488
DAIICHI SANKYO CO LTD	38.25	72	2,521	2,735
DAIKYONISHIKAWA CORP	14.65	12	147	173
DAILY MAIL & GENERAL TRUST PLC	9.78	8	70	77
DAILY MSCI USA INDX NL FUND	37.28	18,314	436,250	682,712
DAIMLER AG	64.37	35	2,957	2,281
DAIRY CREST GROUP PLC	6.48	2	17	13
DAITO TRUST CONSTRUCTION CO LT	162.60	20	3,405	3,268
DAIWA SECURITIES GROUP INC	5.81	10	68	58
DALI FOODS GROUP CO LTD	0.77	47	28	36
DANAHER CORP	98.68	2	223	221
DANSKE BANK A/S	31.30	115	4,026	3,590
DARDEN RESTAURANTS INC	107.06	54	5,000	5,741
DART GROUP PLC	10.26	12	83	123
DASSAULT AVIATION SA	1,905.44	0	53	69
DASSAULT SYSTEMES SE	140.11	14	1,739	2,014
DAVIDE CAMPARI-MILANO SPA	8.23	13	88	110

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
DAVITA INC	69.44	28	1,942	1,929
DBS GROUP HOLDINGS LTD	19.52	184	3,367	3,597
DDR CORP	17.90	0	5	5
DE' LONGHI SPA	28.35	2	48	48
DEBENHAMS PLC	0.20	39	40	8
DECKERS OUTDOOR CORP	112.89	0	7	11
DEERE & CO	-	-	-	-
DEERE & CO	139.80	3	432	461
DELL TECHNOLOGIES INC CLASS V	84.58	9	621	777
DELTA AIR LINES INC	49.54	88	4,625	4,374
DENSO CORP	48.86	40	2,088	1,954
DENTSPLY SIRONA INC	43.77	34	1,535	1,475
DEPOMED INC	6.67	3	19	20
DERWENT LONDON PLC	41.01	0	2	2
DEUTSCHE BOERSE AG	133.28	0	2	2
DEUTSCHE LUFTHANSA AG	24.05	108	3,106	2,595
DEUTSCHE POST AG	32.66	18	778	597
DEUTSCHE WOHNEN SE	48.34	37	1,535	1,780
DEVON ENERGY CORP	43.96	43	1,379	1,871
DIAGEO PLC	35.94	190	5,787	6,822
DIAMONDBACK ENERGY INC	131.57	9	1,132	1,145
DIASORIN SPA	114.07	2	176	259
DIC ASSET AG	11.22	1	13	16
DICK'S SPORTING GOODS INC	35.25	8	238	296
D'IETEREN SA/NV	41.54	1	62	58
DIGITAL REALTY TRUST INC	111.58	6	530	663
DIRECT LINE INSURANCE GROUP PL	4.53	53	253	238
DISCO CORP	170.72	4	696	615
DISCOVER FINANCIAL SERVICES	70.41	16	1,116	1,118
DISCOVERY INC	27.50	0	2	3
DISH NETWORK CORP	33.61	27	932	904
DIXONS CARPHONE PLC	2.46	104	688	257
DKSH HOLDING AG	70.35	0	28	25
DMG MORI AG	54.52	0	3	4
DNB ASA	19.55	13	229	245
DOLBY LABORATORIES INC	61.69	0	16	19
DOLLAR GENERAL CORP	98.60	34	3,221	3,303
DOLLAR TREE INC	85.00	46	4,224	3,868
DOLLARAMA INC	38.74	48	1,528	1,865
DOMINION ENERGY INC	68.18	23	1,777	1,589
DOMINO'S PIZZA GROUP PLC	4.58	1	6	6
DON QUIJOTE HOLDINGS CO LTD	48.03	23	1,191	1,095
DOUGLAS EMMETT INC	40.18	0	16	16
DOVER CORP	73.20	0	7	7
DR HORTON INC	41.00	145	6,207	5,939
DRAEGERWERK AG & CO KGAA	71.80	1	59	40
DREAM OFFICE REIT	17.81	1	13	14
DS SMITH PLC	6.88	9	55	65
DSV A/S	80.80	42	3,213	3,356

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
DTE ENERGY CO	103.63	20	2,082	2,052
DUFY AG	127.30	0	2	2
DUKE ENERGY CORP	79.08	21	1,671	1,641
DUKE REALTY CORP	29.03	2	46	46
DULUXGROUP LTD	5.65	4	19	25
DXC TECHNOLOGY CO	80.61	85	6,288	6,885
DYNAVAX TECHNOLOGIES CORP	15.25	19	362	296
E*TRADE FINANCIAL CORP	61.16	62	3,281	3,804
E.ON SE	10.69	665	7,495	7,104
EAST JAPAN RAILWAY CO	95.83	1	98	96
EAST WEST BANCORP INC	65.20	14	466	926
EASYJET PLC	22.09	83	1,708	1,839
EATON CORP PLC	74.74	14	1,106	1,046
EBAY INC	36.26	54	1,785	1,943
ECHOSTAR CORP	44.40	2	79	75
EDENRED	31.59	10	308	301
EDGEWELL PERSONAL CARE CO	50.46	0	8	5
EDION CORP	10.08	2	15	15
EDITAS MEDICINE INC	35.83	3	107	122
EDWARDS LIFESCIENCES CORP	145.57	13	1,493	1,951
EIFFAGE SA	108.79	30	3,088	3,287
ELECTRICITE DE FRANCE SA	13.75	122	1,638	1,679
ELECTROCOMPONENTS PLC	10.01	14	103	139
ELECTROLUX AB	22.80	46	1,451	1,038
ELECTRONIC ARTS INC	141.02	48	5,433	6,777
ELEKTA AB	13.19	9	86	122
ELEMENTIS PLC	3.34	10	32	33
ELI LILLY & CO	85.33	70	5,582	5,982
ELIS SA	22.93	2	54	46
EMERSON ELECTRIC CO	69.14	1	45	48
EMMI AG	851.00	0	21	32
EMPIRE CO LTD	20.06	33	594	660
EMS-CHEMIE HOLDING AG	641.02	0	92	90
ENAGAS SA	29.24	1	36	37
ENCANA CORP	13.05	1	9	10
ENCE ENERGIA Y CELULOSA SA	8.87	6	21	57
ENDESA SA	22.06	42	930	928
ENDO INTERNATIONAL PLC	9.43	9	59	83
ENERGEN CORP	72.82	9	420	670
ENERPLUS CORP	12.60	0	3	4
ENGIE SA	15.33	352	6,033	5,392
EN-JAPAN INC	50.47	1	21	30
ENPLAS CORP	27.90	1	13	14
ENTERGY CORP	80.79	1	103	105
EOG RESOURCES INC	124.43	16	1,744	1,929
EPIROC AB	10.51	41	297	427
EQT CORP	55.18	0	13	11
EQUINIX INC	429.89	1	382	587
EQUINOR ASA	26.41	2	49	50

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Issuer	Price	Shares	Cost	Market Value
EQUINOR ASA	26.55	338	7,795	8,969
EQUITY COMMONWEALTH	31.50	40	1,197	1,273
EQUITY LIFESTYLE PROPERTIES IN	91.90	20	1,254	1,847
EQUITY RESIDENTIAL	63.69	29	1,997	1,863
ERG SPA	21.87	0	2	2
ERSTE GROUP BANK AG	41.74	61	2,691	2,542
ESSENT GROUP LTD	35.82	2	46	57
ESSEX PROPERTY TRUST INC	239.07	1	317	337
ESSILOR INTERNATIONAL CIE GENE	141.16	10	1,347	1,397
ESTEE LAUDER COS INC/THE	142.69	27	3,781	3,895
ETSY INC	42.19	4	82	181
EURAZEO SA	75.83	7	632	544
EURONET WORLDWIDE INC	83.77	1	41	42
EVERGY INC	56.15	8	414	448
EVERTEC INC	21.85	0	1	2
EVOLUTION MINING LTD	2.59	83	170	215
EVONIK INDUSTRIES AG	34.24	4	156	150
EVRAZ PLC	6.71	303	878	2,037
EXELIXIS INC	21.52	6	118	123
EXELON CORP	42.60	137	5,096	5,850
EXPEDIA GROUP INC	120.19	3	361	397
EXPEDITORS INTERNATIONAL OF WA	73.10	4	278	278
EXPERIAN PLC	24.75	7	148	165
EXPRESS INC	9.15	41	452	377
EXPRESS SCRIPTS HOLDING CO	77.21	12	756	906
EXTENDED STAY AMERICA INC	21.61	0	6	6
EXTRA SPACE STORAGE INC	99.81	10	886	988
EXTREME NETWORKS INC	7.96	1	8	7
EXXON MOBIL CORP	82.73	107	8,945	8,888
F5 NETWORKS INC	172.45	18	2,164	3,037
FABEGE AB	11.95	0	4	4
FACEBOOK INC	194.32	160	23,713	31,002
FAGRON	17.09	3	35	43
FAIRFAX FINANCIAL HOLDINGS LTD	560.01	0	98	112
FAMILYMART UNY HOLDINGS CO LTD	105.27	6	603	611
FANUC CORP	198.66	4	961	775
FAST RETAILING CO LTD	459.62	1	456	460
FASTENAL CO	48.13	20	1,017	953
FASTIGHETS AB BALDER	26.13	1	38	37
FAURECIA SA	71.36	23	1,902	1,646
FEDEX CORP	227.06	4	1,069	954
FEED ONE CO LTD	2.09	8	21	17
FERGUSON PLC	81.20	3	262	269
FERRARI NV	135.01	1	67	95
FERRARI NV	136.02	28	2,193	3,856
FERROGLOBE PLC	8.57	4	58	34
FERROVIAL SA	20.52	2	49	45
FEVERTREE DRINKS PLC	44.76	1	11	37
FIAT CHRYSLER AUTOMOBILES NV	19.07	170	3,294	3,237

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
FIDELITY NATIONAL FINANCIAL IN	37.62	153	5,219	5,763
FIDELITY NATIONAL INFORMATION	106.03	111	8,906	11,748
FIELMANN AG	69.24	5	379	313
FIFTH THIRD BANCORP	28.70	76	2,410	2,184
FINANCIAL ENGINES INC	44.90	0	14	22
FINECOBANK BANCA FINECO SPA	11.29	0	2	3
FINNING INTERNATIONAL INC	24.67	76	1,867	1,863
FIREEYE INC	15.39	3	49	52
FIRST AMERICAN FINANCIAL CORP	51.72	1	45	47
FIRST BANCORP/PUERTO RICO	7.65	2	17	17
FIRST DATA CORP	20.93	4	65	80
FIRST HAWAIIAN INC	29.02	0	3	3
FIRST MIDWEST BANCORP INC/IL	25.47	0	5	5
FIRST QUANTUM MINERALS LTD	14.73	55	867	807
FIRST SOLAR INC	52.66	0	14	11
FISERV INC	74.09	0	5	7
FISHER & PAYKEL HEALTHCARE COR	10.08	110	1,059	1,106
FITBIT INC	6.53	1	6	8
FLAGSTAR BANCORP INC	34.26	0	3	3
FLEETCOR TECHNOLOGIES INC	210.65	7	1,360	1,390
FLEX LTD	14.11	139	1,941	1,963
FLIGHT CENTRE TRAVEL GROUP LTD	47.03	8	365	395
FLIR SYSTEMS INC	51.97	24	1,022	1,242
FLSMIDTH & CO A/S	59.84	0	18	16
FLUGHAFEN ZURICH AG	203.84	0	1	1
FLUOR CORP	48.78	6	324	312
FMC CORP	89.21	5	452	446
FOOT LOCKER INC	52.65	18	902	963
FOREST CITY REALTY TRUST INC	22.81	8	177	192
FORTESCUE METALS GROUP LTD	3.24	1	4	3
FORTINET INC	62.43	40	1,820	2,469
FORTIS INC	31.94	11	388	355
FORTIS INC/CANADA	31.88	0	4	3
FORTIVE CORP	77.11	51	3,070	3,925
FORTUM OYJ	23.86	81	1,783	1,924
FORTUNE BRANDS HOME & SECURITY	53.69	24	1,418	1,262
FOSSIL GROUP INC	26.87	21	380	551
FOSUN INTERNATIONAL LTD	1.88	0	0	0
FRANCO-NEVADA CORP	72.94	0	7	7
FRANKLIN RESOURCES INC	32.05	6	217	202
FRAPORT AG FRANKFURT AIRPORT S	96.46	16	1,273	1,519
FREENET AG	26.49	1	43	34
FREEMPORT-MCMORAN INC	17.26	233	3,551	4,013
FRESENIUS MEDICAL CARE AG & CO	100.85	0	1	1
FRESENIUS SE & CO KGAA	80.33	0	4	4
FRESNILLO PLC	15.10	34	436	511
FRONTIER COMMUNICATIONS CORP	5.36	1	8	4
FRUTAROM INDUSTRIES LTD	97.94	7	634	654
FTI CONSULTING INC	60.48	0	4	6

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
FUJI CORP/AICHI	17.93	1	12	13
FUJI ELECTRIC CO LTD	7.62	39	278	297
FUJI OIL CO LTD	3.76	1	5	5
FUJIFILM HOLDINGS CORP	39.06	1	23	23
FUJITSU LTD	6.07	140	857	849
FUKUOKA FINANCIAL GROUP INC	5.03	19	89	96
FUTABA INDUSTRIAL CO LTD	6.28	4	36	25
G4S PLC	3.53	121	340	428
G5 ENTERTAINMENT AB	49.90	0	2	2
G8 EDUCATION LTD	1.72	6	15	10
GALAXY ENTERTAINMENT GROUP LTD	7.74	708	4,475	5,482
GALP ENERGIA SGPS SA	19.07	121	2,341	2,299
GAMESTOP CORP	14.57	1	24	20
GANNETT CO INC	10.70	2	20	19
GAP INC/THE	32.39	35	1,052	1,145
GARDNER DENVER HOLDINGS INC	29.39	1	42	38
GARMIN LTD	61.00	1	75	73
GCI LIBERTY INC	45.08	5	189	225
GEA GROUP AG	33.73	0	3	2
GECINA SA	167.31	9	1,657	1,538
GEMALTO NV	58.17	1	37	47
GENERAL DYNAMICS CORP	186.41	32	6,038	6,019
GENERAL MOTORS CO	39.40	3	108	102
GENPACT LTD	28.93	5	129	150
GENTEX CORP	23.02	6	139	140
GENTING SINGAPORE LTD	0.89	2,118	1,739	1,895
GENUINE PARTS CO	91.79	0	28	28
GENUS PLC	34.80	1	15	22
GEO GROUP INC/THE	27.54	0	7	8
GEO HOLDINGS CORP	13.42	14	228	192
GETLINK	13.71	0	1	2
GIBRALTAR INDUSTRIES INC	37.50	0	3	4
GILDAN ACTIVEWEAR INC	28.15	0	3	3
GILEAD SCIENCES INC	70.84	59	4,789	4,164
GIVAUDAN SA	2,267.99	2	4,551	5,046
GJENSIDIGE FORSIKRING ASA	16.39	59	991	967
GKN PLC	6.37	39	165	248
GLAXOSMITHKLINE PLC	20.20	196	3,841	3,954
GLENCORE PLC	4.78	324	1,351	1,549
GLOBAL DOMINION ACCESS SA	5.42	1	3	3
GLU MOBILE INC	6.41	7	23	42
GMO CLOUD K.K.	28.80	3	95	89
GODADDY INC	70.60	9	633	628
GOLDCREST CO LTD	16.28	2	34	31
GOLDEN AGRI-RESOURCES LTD	0.22	157	37	35
GOLDMAN SACHS GROUP INC/THE	220.57	20	4,758	4,433
GOME RETAIL HOLDINGS LTD	0.10	53	7	5
GOODMAN GROUP	7.11	67	332	478
GOODYEAR TIRE & RUBBER CO/THE	23.29	58	1,657	1,358

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
GPT GROUP/THE	3.74	0	1	1
GRAINCORP LTD	5.67	2	13	11
GRAND CITY PROPERTIES SA	25.97	2	35	47
GRAPHIC PACKAGING HOLDING CO	14.51	88	1,174	1,283
GREAT CANADIAN GAMING CORP	35.39	0	2	4
GREAT PORTLAND ESTATES PLC	9.43	0	1	1
GREAT WEST LIFECO INC	24.57	36	919	880
GREAT WESTERN BANCORP INC	41.99	2	48	67
GREE INC	5.35	28	224	148
GREEN DOT CORP	73.39	0	7	22
GREGGS PLC	13.14	3	41	37
GRIFOLS SA	30.10	0	1	2
GROUPON INC	4.30	62	335	268
GULF KEYSTONE PETROLEUM LTD	3.30	3	27	10
GUNGHO ONLINE ENTERTAINMENT IN	2.55	175	437	444
GURUNAVI INC	8.20	7	63	57
GVC HOLDINGS PLC	13.88	1	9	9
GVC HOLDINGS PLC CVR	0.03	5	-	0
GW PHARMACEUTICALS PLC	-	0	0	-
GW PHARMACEUTICALS PLC	139.54	0	0	28
H LUNDBECK A/S	70.27	9	548	637
H&R BLOCK INC	22.78	9	199	196
H&R REAL ESTATE INVESTMENT TR	15.30	24	405	374
HACHIJUNI BANK LTD/THE	4.28	4	24	16
HAEMONETICS CORP	89.68	0	9	9
HAITONG SECURITIES CO LTD	1.01	3	5	3
HALFORDS GROUP PLC	4.58	2	14	9
HALOZYME THERAPEUTICS INC	16.87	1	10	8
HAMBORNER REIT AG	10.64	6	63	63
HAMBURGER HAFEN UND LOGISTIK A	21.72	3	92	71
HAMMERSON PLC	6.90	54	474	374
HANG SENG BANK LTD	25.01	53	1,190	1,313
HANNOVER RUECK SE	124.69	4	387	440
HAPAG-LLOYD AG	35.61	0	2	2
HAPPINET CORP	12.67	1	14	10
HARGREAVES LANSDOWN PLC	26.03	46	1,152	1,197
HARLEY-DAVIDSON INC	42.08	0	4	4
HARRIS CORP	144.54	25	3,735	3,585
HARTFORD FINANCIAL SERVICES GR	51.13	0	21	20
HASEKO CORP	13.82	96	1,038	1,324
HCA HEALTHCARE INC	102.60	4	333	410
HCP INC	25.82	93	2,556	2,396
HD SUPPLY HOLDINGS INC	42.89	80	2,929	3,429
HEALTH & HAPPINESS H&H INTERNA	6.90	32	84	217
HEIDELBERGCEMENT AG	84.16	39	4,073	3,324
HEINEKEN HOLDING NV	95.86	3	302	304
HEINEKEN NV	100.43	2	191	192
HEIWA REAL ESTATE CO LTD	17.83	18	226	325
HELMERICH & PAYNE INC	63.76	6	404	383

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Issuer	Price	Shares	Cost	Market Value
HELVETIA HOLDING AG	570.52	0	2	2
HENDERSON LAND DEVELOPMENT CO	5.29	196	1,144	1,036
HENGAN INTERNATIONAL GROUP CO	9.62	11	102	101
HENKEL AG & CO KGAA	111.21	0	28	29
HENKEL AG & CO KGAA	127.85	0	27	25
HERA SPA	3.12	19	63	60
HERMES INTERNATIONAL	611.56	6	3,479	3,632
HERON THERAPEUTICS INC	38.85	0	2	4
HERTZ GLOBAL HOLDINGS INC	15.34	1	15	12
HESS CORP	66.89	2	150	161
HEXAGON AB	55.84	8	417	423
HIBBETT SPORTS INC	22.90	1	25	30
HIKARI TSUSHIN INC	175.78	2	298	404
HILL-ROM HOLDINGS INC	87.34	0	9	17
HILLTOP HOLDINGS INC	22.07	0	3	2
HILTON GRAND VACATIONS INC	34.70	1	36	31
HILTON WORLDWIDE HOLDINGS INC	79.16	19	1,525	1,472
HISAMITSU PHARMACEUTICAL CO IN	84.41	9	703	734
HITACHI CONSTRUCTION MACHINERY	32.50	19	739	624
HITACHI ZOSEN CORP	4.71	8	37	36
HK ELECTRIC INVESTMENTS & HK E	0.95	448	410	427
HKT TRUST & HKT LTD	1.28	552	698	705
HMS HOLDINGS CORP	21.62	1	20	28
HOCHSCHILD MINING PLC	2.52	4	11	10
HOCHTIEF AG	180.74	13	2,036	2,407
HOKKAIDO ELECTRIC POWER CO INC	6.81	11	86	78
HOLLYFRONTIER CORP	68.43	77	4,254	5,297
HOLMEN AB	22.75	3	70	76
HOLOGIC INC	39.75	10	377	390
HOME DEPOT INC/THE	195.10	55	8,187	10,803
HONDA MOTOR CO LTD	29.27	1	17	15
HONDA MOTOR CO LTD	29.37	82	2,705	2,405
HONEYWELL INTERNATIONAL INC	144.05	95	11,916	13,639
HONG KONG EXCHANGES & CLEARING	30.08	24	900	713
HONGKONG LAND HOLDINGS LTD	7.15	10	68	68
HOPE BANCORP INC	17.83	0	2	2
HORIZON PHARMA PLC	16.56	4	63	71
HOST HOTELS & RESORTS INC	21.07	17	334	351
HOYA CORP	56.87	7	400	398
HP INC	22.69	210	4,008	4,759
HSBC HOLDINGS PLC	9.38	69	645	645
HSBC HOLDINGS PLC	9.38	1,575	13,332	14,778
HUDSON PACIFIC PROPERTIES INC	35.43	0	4	4
HUGO BOSS AG	90.79	1	100	104
HUMANA INC	297.63	28	6,632	8,226
HUNTINGTON BANCSHARES INC/OH	14.76	19	295	280
HUNTINGTON INGALLS INDUSTRIES	216.79	13	2,693	2,878
HUNTSMAN CORP	29.20	17	555	508
HUSKY ENERGY INC	15.58	191	2,390	2,969

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Issuer	Price	Shares	Cost	Market Value
HUTCHISON PORT HOLDINGS TRUST	0.28	107	63	30
HYATT HOTELS CORP	77.15	5	336	355
HYDRO ONE LIMITED	15.23	2	32	27
IAC/INTERACTIVECORP	152.49	24	2,579	3,685
IBERDROLA SA	7.73	110	815	850
IBIDEN CO LTD	16.02	7	97	104
ICA GRUPPEN AB	30.71	11	399	340
IDEX CORP	136.48	6	772	751
IDEXX LABORATORIES INC	217.94	0	26	44
IG GROUP HOLDINGS PLC	11.37	11	118	120
IHI CORP	34.85	1	31	35
IIDA GROUP HOLDINGS CO LTD	19.29	74	1,322	1,426
ILLUMINA INC	279.29	0	24	28
IMA INDUSTRIA MACCHINE AUTOMAT	87.10	0	10	17
IMMUNOGEN INC	9.73	1	9	7
IMMUNOMEDICS INC	23.67	0	2	2
IMPERIAL BRANDS PLC	37.26	0	1	1
IMPERIAL OIL LTD	33.22	51	1,566	1,689
INCHCAPE PLC	10.30	16	155	168
INCITEC PIVOT LTD	2.68	14	41	37
INCYTE CORP	67.00	10	622	637
INDIVIOR PLC	5.06	74	280	374
INDRA SISTEMAS SA	11.97	9	127	110
INDUSTRIAL & COMMERCIAL BANK O	0.75	806	622	603
INDUSTRIAL ALLIANCE INS & FINL	38.58	8	283	310
INFINEON TECHNOLOGIES AG	25.49	33	917	831
INFRASTRUTTURE WIRELESS ITALIA	7.71	1	6	9
ING GROEP NV	14.39	210	3,434	3,019
INGENICO GROUP SA	89.90	3	352	291
INGERSOLL-RAND PLC	89.73	12	845	1,086
INMOBILIARIA COLONIAL SOCIMI S	11.05	1	4	6
INNOGY SE	42.84	13	566	571
INSPERITY INC	95.25	1	29	79
INSULET CORP	85.70	0	4	9
INSURANCE AUSTRALIA GROUP LTD	6.30	394	2,336	2,486
INTACT FINANCIAL CORP	70.89	31	2,202	2,219
INTEL CORP	49.71	275	12,209	13,654
INTELSAT SA	16.66	11	142	178
INTERACTIVE BROKERS GROUP INC	64.41	0	4	6
INTERCEPT PHARMACEUTICALS INC	83.91	0	7	8
INTERCONTINENTAL EXCHANGE INC	73.55	102	5,982	7,465
INTERCONTINENTAL HOTELS GROUP	62.32	0	2	3
INTERDIGITAL INC/PA	80.90	2	148	194
INTERFOR CORP	19.20	0	2	2
INTERNATIONAL BUSINESS MACHINE	139.70	27	4,073	3,704
INTERNATIONAL CONSOLIDATED AIR	8.78	434	3,690	3,808
INTERNATIONAL FLAVORS & FRAGRA	123.96	0	38	37
INTERNATIONAL GAME TECHNOLOGY	23.24	1	28	23
INTERNATIONAL PETROLEUM CORP/S	6.71	18	45	118

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Issuer	Price	Shares	Cost	Market Value
INTERNET INITIATIVE JAPAN INC	20.11	11	208	219
INTERTEK GROUP PLC	75.47	28	1,932	2,078
INTERXION HOLDING NV	62.42	3	122	200
INTESA SANPAOLO SPA	-	1,300	-	-
INTESA SANPAOLO SPA	2.90	1,063	3,656	3,087
INTESA SANPAOLO SPA	3.03	237	721	718
INTREXON CORP	13.94	0	9	6
INTUIT INC	204.31	7	997	1,364
INTUITIVE SURGICAL INC	478.48	18	6,141	8,512
INVESTEC PLC	7.10	56	438	398
INVESTORS BANCORP INC	12.79	0	1	1
IPG PHOTONICS CORP	220.63	7	1,846	1,633
IQVIA HOLDINGS INC	99.82	2	185	190
ISHIHARA SANGYO KAISHA LTD	9.43	7	133	66
ITALGAS SPA	5.51	62	361	345
ITOCHU CORP	18.12	230	3,878	4,174
ITV PLC	2.30	1	2	1
IWG PLC	4.22	7	33	28
JACK HENRY & ASSOCIATES INC	130.36	0	19	31
JACOBS ENGINEERING GROUP INC	63.49	1	31	32
JAMES HARDIE INDUSTRIES PLC	16.76	0	5	5
JANUS HENDERSON GROUP PLC	30.77	16	585	490
JAPAN AIRLINES CO LTD	35.46	113	4,047	4,000
JAPAN EXCHANGE GROUP INC	18.59	22	391	409
JAPAN LOGISTICS FUND INC	2,037.65	0	72	75
JAPAN POST BANK CO LTD	11.65	0	2	2
JAPAN POST HOLDINGS CO LTD	10.95	99	1,154	1,085
JARDINE MATHESON HOLDINGS LTD	63.10	0	6	6
JARDINE STRATEGIC HOLDINGS LTD	36.48	3	107	98
JAZZ PHARMACEUTICALS PLC	172.30	0	31	34
JB HUNT TRANSPORT SERVICES INC	121.55	16	1,944	1,942
JERONIMO MARTINS SGPS SA	14.44	4	67	54
JFE HOLDINGS INC	18.92	114	2,265	2,150
JOHN WILEY & SONS INC	62.40	0	7	8
JOHN WOOD GROUP PLC	8.29	0	3	3
JOHNSON & JOHNSON	121.34	99	11,566	12,059
JONES LANG LASALLE INC	165.99	8	1,366	1,328
JPJ GROUP PLC	12.69	1	11	12
JPMORGAN CHASE & CO	104.20	147	12,217	15,297
JUKI CORP	10.08	32	320	325
JULIUS BAER GROUP LTD	58.69	26	1,637	1,527
JUNIPER NETWORKS INC	27.42	73	1,932	2,002
JUPITER FUND MANAGEMENT PLC	5.89	3	19	18
JUST EAT PLC	10.28	34	361	352
JYSKE BANK A/S	54.85	6	335	324
KADOKAWA DWANGO CORP	11.06	1	12	12
KAJIMA CORP	7.75	361	2,715	2,796
KAMAN CORP	69.69	0	4	7
KAMIGUMI CO LTD	20.79	71	1,372	1,466

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
KANAMOTO CO LTD	31.64	41	940	1,310
KANSAI ELECTRIC POWER CO INC/T	14.59	0	3	3
KANSAS CITY SOUTHERN	-	-	-	-
KANSAS CITY SOUTHERN	105.96	8	777	838
KAO CORP	76.29	18	1,124	1,373
KAR AUCTION SERVICES INC	54.80	94	3,725	5,129
KAZ MINERALS PLC	11.13	0	1	5
KBC GROUP NV	77.20	26	2,018	2,018
KBR INC	17.92	3	50	57
KDDI CORP	27.36	0	3	3
KEARNY FINANCIAL CORP/MD	13.45	1	17	17
KEISEI ELECTRIC RAILWAY CO LTD	34.35	9	278	295
KEMET CORP	24.15	1	9	12
KEMIRA OYJ	13.30	4	46	59
KEPPEL CORP LTD	5.24	1	5	5
KERING SA	564.63	25	8,982	13,850
KERRY GROUP PLC	104.61	17	1,755	1,771
KERRY PROPERTIES LTD	4.79	350	1,210	1,673
KEYENCE CORP	564.80	13	6,545	7,455
KEYSIGHT TECHNOLOGIES INC	59.03	0	24	24
KIMBERLY-CLARK CORP	105.34	7	788	716
KINDER MORGAN INC/DE	17.67	127	2,469	2,237
KINGFISHER PLC	3.92	1	3	3
KINNEVIK AB	34.31	0	3	2
KIRIN HOLDINGS CO LTD	26.75	108	2,436	2,900
KIRKLAND LAKE GOLD LTD	21.16	2	24	44
KITO CORP	19.24	1	26	25
KLA-TENCOR CORP	102.53	36	3,400	3,720
KLEPIERRE SA	37.65	12	498	436
KLOECKNER & CO SE	10.54	55	686	581
KLX INC	71.90	0	22	22
KNIGHT-SWIFT TRANSPORTATION HO	38.21	23	1,037	894
KOBE STEEL LTD	9.15	54	567	496
KOHL'S CORP	72.90	50	3,193	3,614
KOMATSU LTD	28.60	70	2,324	1,999
KONAMI HOLDINGS CORP	50.92	10	515	504
KONECRANES OYJ	41.26	1	66	62
KONINKLIJKE AHOLD DELHAIZE NV	23.94	164	3,639	3,935
KONINKLIJKE DSM NV	100.55	104	9,857	10,419
KONINKLIJKE KPN NV	2.72	542	1,811	1,475
KONOIKE TRANSPORT CO LTD	15.10	3	37	45
KOSE CORP	215.50	7	1,201	1,573
KRAFT HEINZ CO/THE	62.82	2	151	132
KROGER CO/THE	28.45	3	75	77
KUEHNE + NAGEL INTERNATIONAL A	150.26	5	881	768
KULICKE & SOFFA INDUSTRIES INC	23.82	1	17	19
KURARAY CO LTD	13.78	0	2	1
KUREHA CORP	71.50	0	5	7
KUSURI NO AOKI HOLDINGS CO LTD	66.54	1	61	67

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Issuer	Price	Shares	Cost	Market Value
KYOCERA CORP	56.40	11	700	592
KYOWA HAKKO KIRIN CO LTD	20.16	2	34	32
KYUSHU ELECTRIC POWER CO INC	11.16	199	2,324	2,223
L3 TECHNOLOGIES INC	192.32	7	1,238	1,283
LABORATORY CORP OF AMERICA HOL	179.53	1	91	114
LAIRD PLC	2.64	4	18	10
LAM RESEARCH CORP	172.85	22	3,818	3,860
LAMB WESTON HOLDINGS INC	68.51	15	561	1,021
LANCASHIRE HOLDINGS LTD	7.49	5	44	38
LAND SECURITIES GROUP PLC	12.63	27	459	336
LANDSTAR SYSTEM INC	109.20	0	25	41
LANXESS AG	77.99	0	3	3
LAOX CO LTD	3.69	2	8	6
LAREDO PETROLEUM INC	9.62	1	5	5
LAS VEGAS SANDS CORP	76.36	105	6,757	7,996
LAWSON INC	62.47	5	337	281
LA-Z-BOY INC	30.60	5	148	159
LEAR CORP	185.81	13	1,421	2,323
LEGAL & GENERAL GROUP PLC	3.51	67	227	234
LEGRAND SA	73.44	7	550	541
LEIDOS HOLDINGS INC	59.00	3	181	173
LENDLEASE GROUP	14.64	38	450	557
LENOVO GROUP LTD	0.54	8	5	4
LEONI AG	50.79	0	3	2
LEONTEQ AG	57.40	0	18	16
LEOPALACE21 CORP	5.48	91	574	498
LI & FUNG LTD	0.37	1,152	610	423
LIBERTY BROADBAND CORP	75.72	0	7	8
LIBERTY EXPEDIA HOLDINGS INC	43.94	4	174	180
LIBERTY GLOBAL PLC	27.54	3	96	91
LIBERTY MEDIA CORP-LIBERTY SIR	45.05	6	214	266
LIBERTY MEDIA CORP-LIBERTY SIR	45.36	22	839	1,016
LIBERTY PROPERTY TRUST	44.33	5	197	205
LINAMAR CORP	43.95	9	542	414
LINCOLN ELECTRIC HOLDINGS INC	87.76	0	6	9
LINCOLN NATIONAL CORP	62.25	0	22	19
LINICAL CO LTD	22.46	3	62	76
LINK REIT	9.13	153	1,171	1,393
LION CORP	18.33	39	795	709
LIONS GATE ENTERTAINMENT CORP	24.82	1	16	15
LIVANOVA PLC	99.82	0	6	10
LIVEPERSON INC	21.10	0	2	2
LKQ CORP	31.90	17	576	536
LLOYDS BANKING GROUP PLC	0.83	6,147	5,415	5,117
LOBLAW COMPANIES LTD	51.39	25	1,264	1,305
LOCKHEED MARTIN CORP	295.43	46	12,837	13,555
LOEWS CORP	48.28	3	148	140
LOGMEIN INC	103.25	0	30	31
LONDON STOCK EXCHANGE GROUP PL	59.03	34	1,731	1,992

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Issuer	Price	Shares	Cost	Market Value
LONZA GROUP AG	265.37	9	2,316	2,321
L'OREAL SA	246.94	0	8	8
LOUISIANA-PACIFIC CORP	27.22	4	95	98
LOWE'S COS INC	95.57	93	7,870	8,876
LPL FINANCIAL HOLDINGS INC	65.54	0	5	7
LULULEMON ATHLETICA INC	124.85	26	2,479	3,274
LUMBER LIQUIDATORS HOLDINGS IN	24.35	1	13	15
LUNDIN MINING CORP	5.51	13	95	71
LUNDIN MINING CORP	5.56	1	5	4
LUNDIN PETROLEUM AB	31.94	73	1,822	2,336
LUXOFT HOLDING INC	36.85	1	21	22
LUXOTTICA GROUP SPA	64.52	12	736	767
LUYE PHARMA GROUP LTD	1.03	3	4	3
LVGEM CHINA REAL ESTATE INVEST	0.37	12	4	4
LVMH MOET HENNESSY LOUIS VUITT	332.99	34	9,326	11,338
LYONDELLBASELL INDUSTRIES NV	109.85	48	4,492	5,275
M&T BANK CORP	170.15	4	594	647
M3 INC	39.86	29	1,175	1,160
MACQUARIE GROUP LTD	91.36	39	3,039	3,602
MACQUARIE INFRASTRUCTURE CORP	42.20	1	21	21
MAEDA CORP	11.50	2	20	20
MAGELLAN HEALTH INC	95.95	0	7	10
MAGNA INTL INC	58.12	44	2,400	2,559
MALLINCKRODT PLC	18.66	1	30	26
MAN GROUP PLC	2.33	180	433	421
MAN SE	113.19	3	371	363
MANHATTAN ASSOCIATES INC	47.01	0	16	19
MANNKIND CORP	1.90	13	44	24
MANPOWERGROUP INC	86.06	21	2,005	1,779
MANULIFE FINANCIAL CORP	17.96	42	894	758
MAPFRE SA	3.02	840	2,758	2,534
MARATHON OIL CORP	20.86	243	4,050	5,073
MARATHON PETROLEUM CORP	70.16	103	6,449	7,193
MARIE BRIZARD WINE & SPIRITS S	9.88	1	19	9
MARINE HARVEST ASA	19.90	15	293	300
MARKETAXESS HOLDINGS INC	197.86	0	15	20
MARKS & SPENCER GROUP PLC	3.90	0	1	1
MARRIOTT INTERNATIONAL INC/MD	126.60	23	2,841	2,858
MARRIOTT VACATIONS WORLDWIDE C	112.96	0	13	23
MARSH & MCLENNAN COS INC	81.97	1	69	70
MARVELOUS INC	8.24	4	32	32
MASCO CORP	37.42	93	3,283	3,480
MASIMO CORP	97.65	3	220	249
MASONITE INTERNATIONAL CORP	71.85	0	6	7
MASTERCARD INC	196.52	75	9,994	14,749
MATCH GROUP INC	38.74	2	89	81
MATSON INC	38.38	0	7	8
MAXIM INTEGRATED PRODUCTS INC	58.66	42	1,930	2,484
MAZDA MOTOR CORP	12.28	205	2,899	2,512

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Issuer	Price	Shares	Cost	Market Value
MCDERMOTT INTERNATIONAL INC	19.65	3	53	54
MCDONALD'S CORP	156.69	59	9,387	9,219
MCDONALD'S HOLDINGS CO JAPAN L	51.01	26	980	1,316
MCKESSON CORP	133.40	10	1,480	1,271
MEBUKI FINANCIAL GROUP INC	3.36	11	38	36
MEDIASET ESPANA COMUNICACION S	8.43	4	50	38
MEDIBANK PVT LTD	2.16	243	487	525
MEDICLINIC INTERNATIONAL PLC	6.95	31	331	214
MEDIOBANCA BANCA DI CREDITO FI	9.30	238	2,706	2,209
MEDIPAL HOLDINGS CORP	20.11	14	237	288
MEDPACE HOLDINGS INC	43.00	0	8	13
MEDTRONIC PLC	85.61	0	34	36
MEGGITT PLC	6.51	4	29	29
MEIJI HOLDINGS CO LTD	84.32	0	8	8
MEIKO ELECTRONICS CO LTD	20.59	31	534	643
MELCO RESORTS & ENTERTAINMENT	28.00	61	1,524	1,700
MELIA HOTELS INTERNATIONAL SA	13.71	13	152	174
MELLANOX TECHNOLOGIES LTD	84.30	0	14	25
MELROSE INDUSTRIES PLC	2.81	346	873	971
MERCK & CO INC	60.70	338	20,545	20,498
MERCK KGAA	97.63	0	6	6
MERLIN ENTERTAINMENTS PLC	5.11	5	27	24
METHANEX CORP	70.67	41	2,138	2,875
METHANEX CORP	70.70	1	43	57
METRO INC	33.97	0	3	3
MGM RESORTS INTERNATIONAL	29.03	2	51	46
MICHAEL KORS HOLDINGS LTD	66.60	102	5,346	6,809
MICHAELS COS INC/THE	19.17	32	733	615
MICRO FOCUS INTERNATIONAL PLC	17.27	0	4	5
MICRO FOCUS INTERNATIONAL PLC	17.47	5	147	92
MICROCHIP TECHNOLOGY INC	90.95	0	9	9
MICRON TECHNOLOGY INC	52.44	323	12,686	16,921
MICROSOFT CORP	98.61	362	22,526	35,740
MIDDLEBY CORP/THE	104.42	0	12	10
MILLICOM INTERNATIONAL CELLULA	59.13	4	287	257
MINEBEA MITSUMI INC	16.92	99	1,683	1,680
MINTH GROUP LTD	4.23	168	901	710
MIRAI CORP	1,731.59	0	30	33
MISUMI GROUP INC	29.16	1	26	26
MITCHELLS & BUTLERS PLC	3.44	0	0	0
MITSUBISHI CHEMICAL HOLDINGS C	8.37	442	3,759	3,702
MITSUBISHI CORP	27.79	241	6,406	6,686
MITSUBISHI ELECTRIC CORP	13.31	44	585	584
MITSUBISHI ESTATE CO LTD	17.49	7	126	122
MITSUBISHI GAS CHEMICAL CO INC	22.66	44	738	1,002
MITSUBISHI HEAVY INDUSTRIES LT	36.39	0	4	4
MITSUBISHI MOTORS CORP	7.97	50	357	396
MITSUBISHI TANABE PHARMA CORP	17.28	0	4	3
MITSUBISHI UFJ FINANCIAL GROUP	5.65	14	102	80

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
MITSUBISHI UFJ FINANCIAL GROUP	5.70	235	1,548	1,336
MITSUI CHEMICALS INC	26.63	2	51	43
MITSUI OSK LINES LTD	24.09	13	408	306
MIXI INC	25.31	37	1,673	924
MIZUHO FINANCIAL GROUP INC	1.68	2,291	4,170	3,857
MOBILEZONE HOLDING AG	10.09	2	26	15
MOHAWK INDUSTRIES INC	214.27	1	263	279
MOLINA HEALTHCARE INC	97.94	6	464	558
MOLSON COORS BREWING CO	68.04	12	879	839
MOMENTA PHARMACEUTICALS INC	20.45	0	7	6
MONDELEZ INTERNATIONAL INC	41.00	165	6,842	6,761
MONDI PLC	27.08	43	902	1,168
MONEY PARTNERS GROUP CO LTD	3.50	32	163	113
MONEYGRAM INTERNATIONAL INC	6.69	5	64	35
MONSTER BEVERAGE CORP	57.30	40	2,361	2,275
MOODY'S CORP	170.56	27	3,310	4,571
MOOG INC	77.96	0	16	23
MORGAN STANLEY	47.40	97	4,175	4,579
MOTOROLA SOLUTIONS INC	116.37	18	1,398	2,048
MRC GLOBAL INC	21.67	2	29	39
MS&AD INSURANCE GROUP HOLDINGS	31.09	9	279	271
MSC INDUSTRIAL DIRECT CO INC	84.85	0	7	8
MSCI CAD INDX NL FUND (CA-12)	97.13	397	34,006	38,605
MSCI EAFE INDX NL FD (FD12)	97.73	4,114	317,178	402,058
MSCI INC	165.43	10	1,233	1,572
MTR CORP LTD	5.53	46	263	252
MTU AERO ENGINES AG	192.18	0	19	22
MUENCHENER RUECKVERSICHERUNGS-	211.38	5	1,150	1,101
MURPHY OIL CORP	33.77	19	505	625
MYOKARDIA INC	49.65	1	43	50
MYRIAD GENETICS INC	37.37	30	770	1,114
NABTESCO CORP	30.79	17	704	514
NASDAQ INC	91.27	10	832	894
NATIONAL AUSTRALIA BANK LTD	-	-	-	-
NATIONAL AUSTRALIA BANK LTD	20.25	7	165	142
NATIONAL BANK OF CANADA	47.98	133	5,066	6,358
NATIONAL GRID PLC	11.07	31	365	345
NATIONAL GRID PLC	55.85	29	1,766	1,647
NATIONAL HEALTH INVESTORS INC	73.68	0	13	15
NATIONAL RETAIL PROPERTIES INC	43.96	0	9	9
NATIXIS SA	7.10	75	598	534
NAVIENT CORP	13.03	46	620	595
NCI BUILDING SYSTEMS INC	21.00	0	4	6
NCR CORP	29.98	6	184	180
NEOPOST SA	26.88	0	4	3
NESTE OYJ	78.46	59	3,439	4,614
NESTLE SA	77.45	224	18,125	17,345
NETAPP INC	78.53	59	4,005	4,618
NETFLIX INC	391.43	22	5,552	8,599

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Issuer	Price	Shares	Cost	Market Value
NETGEAR INC	62.50	0	5	6
NETSCOUT SYSTEMS INC	29.70	5	121	134
NEUROCRINE BIOSCIENCES INC	98.24	1	45	59
NEW WORLD DEVELOPMENT CO LTD	1.41	182	263	256
NEWCREST MINING LTD	16.11	173	2,917	2,779
NEWELL BRANDS INC	25.79	2	59	59
NEWFIELD EXPLORATION CO	30.25	2	46	45
NEWMONT MINING CORP	37.71	36	1,424	1,348
NEWS CORP	15.50	44	600	687
NEX GROUP PLC	13.57	48	549	647
NEXANS SA	34.48	0	4	4
NEXON CO LTD	14.53	211	2,984	3,069
NEXT PLC	79.88	11	687	868
NEXTERA ENERGY INC	167.03	106	14,406	17,671
NIBE INDUSTRIER AB	10.75	3	32	33
NIC INC	15.55	0	1	2
NICE LTD	103.15	3	316	344
NICE LTD	103.77	0	16	24
NICHIIGAKKAN CO LTD	11.35	3	28	34
NIDEC CORP	150.09	15	2,244	2,176
NIHON HOUSE HOLDINGS CO LTD	5.07	10	44	48
NIHON M&A CENTER INC	29.03	0	2	3
NIHON UNISYS LTD	25.13	11	142	271
NIKE INC	79.68	4	304	303
NIKON CORP	15.92	46	824	735
NINTENDO CO LTD	326.82	18	7,341	5,981
NIPPON BUILDING FUND INC	5,768.97	0	57	52
NIPPON CHEMI-CON CORP	38.96	8	195	292
NIPPON ELECTRIC GLASS CO LTD	27.81	30	785	829
NIPPON EXPRESS CO LTD	72.59	26	1,419	1,880
NIPPON PROLOGIS REIT INC	2,074.66	0	77	77
NIPPON TELEGRAPH & TELEPHONE C	45.47	151	6,641	6,847
NIPPON YUSEN KK	19.85	2	37	34
NIPRO CORP	11.56	10	113	111
NISHIO RENT ALL CO LTD	32.10	4	118	135
NISSAN MOTOR CO LTD	9.73	0	4	4
NITORI HOLDINGS CO LTD	156.01	6	807	874
NITTO DENKO CORP	75.68	2	140	129
NMC HEALTH PLC	47.29	0	7	9
NN GROUP NV	40.68	118	4,891	4,793
NOJIMA CORP	22.24	5	85	120
NOK CORP	19.36	15	348	294
NOKIA OYJ	5.77	54	300	310
NOKIAN RENKAAT OYJ	39.51	0	2	2
NOMAD FOODS LTD	19.19	0	3	6
NOMURA HOLDINGS INC	4.86	251	1,367	1,220
NOMURA REAL ESTATE MASTER FUND	1,411.10	0	14	16
NOMURA RESEARCH INSTITUTE LTD	48.48	5	230	260
NORBORD INC	41.10	4	138	156

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
NORDSON CORP	128.41	0	6	13
NORDSTROM INC	51.78	0	20	21
NORFOLK SOUTHERN CORP	150.87	17	2,265	2,621
NORMA GROUP SE	68.59	3	161	195
NORSK HYDRO ASA	5.99	45	318	270
NORTHERN STAR RESOURCES LTD	5.36	49	249	260
NORTHERN TRUST CORP	102.89	5	496	484
NORTHROP GRUMMAN CORP	307.70	37	7,967	11,457
NOS SGPS SA	5.48	7	58	39
NOVARTIS AG	75.81	57	4,778	4,293
NOVO NORDISK A/S	46.38	124	5,881	5,755
NOVOZYMES A/S	50.72	0	24	22
NOW INC	13.33	1	10	9
NRG ENERGY INC	30.70	61	1,795	1,876
NS SOLUTIONS CORP	25.22	5	106	124
NSK LTD	10.32	6	68	62
NTN CORP	4.10	32	140	130
NTT DATA CORP	11.52	12	139	138
NTT DOCOMO INC	-	-	-	-
NTT DOCOMO INC	25.48	36	841	915
NTT URBAN DEVELOPMENT CORP	10.74	0	4	4
NUANCE COMMUNICATIONS INC	13.89	16	249	224
NUCOR CORP	62.50	27	1,743	1,708
NUFARM LTD/AUSTRALIA	6.55	0	2	2
NUTANIX INC	51.57	1	40	36
NUTRIEN LTD	54.37	0	5	5
NVENT ELECTRIC PLC	25.10	2	48	55
NVIDIA CORP	236.90	110	22,115	26,016
NVR INC	2,970.35	1	3,546	3,808
NWS HOLDINGS LTD	1.73	131	196	227
OASIS PETROLEUM INC	12.97	2	20	21
OBAYASHI CORP	10.41	46	546	477
OBIC CO LTD	82.79	12	835	985
OC OERLIKON CORP AG	15.30	2	34	32
OCADO GROUP PLC	13.57	2	13	28
OCCIDENTAL PETROLEUM CORP	83.68	130	10,335	10,872
OCEANEERING INTERNATIONAL INC	25.46	1	30	33
OCI NV	27.01	0	2	3
OESTERREICHISCHE POST AG	45.65	6	252	259
OGE ENERGY CORP	35.21	4	146	151
OIL SEARCH LTD	6.58	7	39	44
OKI ELECTRIC INDUSTRY CO LTD	11.19	1	15	15
OKTA INC	50.37	0	5	5
OLD DOMINION FREIGHT LINE INC	148.96	11	1,533	1,606
OLD MUTUAL LTD	1.99	280	842	555
OMRON CORP	46.68	27	1,425	1,242
OMV AG	56.71	0	2	4
ONEMARKET LTD	0.95	4	4	4
ONEOK INC	69.83	12	745	845

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Issuer	Price	Shares	Cost	Market Value
ONO PHARMACEUTICAL CO LTD	23.45	24	593	565
OPHTHOTECH CORP	2.73	4	19	11
OPPENHEIMER HOLDINGS INC	28.00	0	3	3
ORACLE CORP	44.06	103	4,977	4,552
ORACLE CORP JAPAN	81.70	14	1,214	1,168
ORANGE BELGIUM SA	16.88	1	23	16
ORASURE TECHNOLOGIES INC	16.47	0	4	4
O'REILLY AUTOMOTIVE INC	273.57	0	55	82
ORICA LTD	13.11	85	1,284	1,110
ORIENT OVERSEAS INTERNATIONAL	9.74	27	258	263
ORIENTAL LAND CO LTD/JAPAN	104.95	48	4,494	4,985
ORIGIN ENERGY LTD	7.41	168	803	1,247
ORION ENGINEERED CARBONS SA	30.85	0	2	3
ORION OYJ	26.96	1	44	35
ORIX CORP	15.82	115	1,898	1,824
ORKLA ASA	8.76	245	2,154	2,146
ORPEA	133.45	2	215	239
ORSTED A/S	60.49	66	3,825	3,991
OSHKOSH CORP	70.32	0	20	21
OSRAM LICHT AG	40.86	22	1,316	917
OTELLO CORP ASA	2.65	7	41	19
OTONOMY INC	3.85	1	3	3
OTSUKA CORP	39.23	51	1,718	1,997
OTSUKA HOLDINGS CO LTD	48.43	0	4	5
OUTFRONT MEDIA INC	19.45	1	14	14
OVERSEA-CHINESE BANKING CORP L	8.54	288	2,446	2,455
OVS SPA	3.26	4	23	13
OWENS & MINOR INC	16.71	0	9	5
OWENS CORNING	63.37	32	2,399	2,047
OZ MINERALS LTD	6.96	0	0	1
PACCAR INC	61.96	0	22	19
PACKAGING CORP OF AMERICA	-	-	-	-
PACWEST BANCORP	49.42	0	5	5
PADDY POWER BETFAIR PLC	109.58	4	551	400
PALO ALTO NETWORKS INC	205.47	18	3,059	3,649
PANDORA A/S	69.86	7	654	510
PARAGON BANKING GROUP PLC	6.33	6	36	36
PAREX RESOURCES INC	18.87	0	4	6
PARGESA HOLDING SA	84.70	7	602	603
PARK HOTELS & RESORTS INC	30.63	1	39	43
PARK24 CO LTD	27.22	0	3	3
PARTNERS GROUP HOLDING AG	732.67	4	2,176	3,260
PATTERSON COS INC	22.67	1	21	20
PAYCHEX INC	68.35	0	13	14
PAYPAL HOLDINGS INC	83.27	156	11,775	12,977
PBF ENERGY INC	41.93	5	243	218
PC DEPOT CORP	5.24	3	15	15
PCCW LTD	0.56	142	85	80
PEABODY ENERGY CORP	45.48	8	277	350

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
PEARSON PLC	11.68	123	1,386	1,437
PEMBINA PIPELINE CORP	-	-	-	-
PENTAIR PLC	42.08	4	161	151
PENTA-OCEAN CONSTRUCTION CO LT	6.70	3	19	19
PEPSICO INC	108.87	170	18,205	18,539
PEPTIDREAM INC	41.62	0	4	4
PERFORMANCE FOOD GROUP CO	36.70	0	4	4
PERNOD RICARD SA	163.34	3	542	539
PERRIGO CO PLC	72.91	11	854	817
PERSIMMON PLC	33.44	180	5,076	6,033
PERSOL HOLDINGS CO LTD	22.31	38	952	841
PERSPECTA INC	-	-	-	-
PERSPECTA INC	20.55	23	500	462
PETRA DIAMONDS LTD	0.74	17	19	13
PEUGEOT SA	22.84	202	3,972	4,604
PFIZER INC	36.28	75	2,552	2,720
PHILIP MORRIS INTERNATIONAL IN	80.74	24	2,519	1,930
PHILLIPS 66	112.31	108	10,645	12,149
PIAGGIO & C SPA	2.51	23	51	58
PIEDMONT OFFICE REALTY TRUST I	19.93	1	14	16
PIER 1 IMPORTS INC	2.38	3	14	8
PINNACLE ENTERTAINMENT INC	33.73	0	9	10
PINNACLE WEST CAPITAL CORP	80.56	0	18	16
PIONEER CORP	1.39	29	63	40
PITNEY BOWES INC	8.57	22	296	190
PLAINS GP HOLDINGS LP	23.91	10	239	232
PLANTRONICS INC	76.25	0	9	15
PLATINUM ASSET MANAGEMENT LTD	4.26	27	168	114
PLAYTECH PLC	9.94	16	184	163
PNC FINANCIAL SERVICES GROUP I	135.10	85	10,133	11,485
POLA ORBIS HOLDINGS INC	44.01	31	1,040	1,382
POLYMETAL INTERNATIONAL PLC	8.85	9	80	83
PORSCHE AUTOMOBIL HOLDING SE	63.70	31	2,502	2,005
PORTLAND GENERAL ELECTRIC CO	42.76	1	24	26
PORTOLA PHARMACEUTICALS INC	37.77	2	123	87
POST HOLDINGS INC	86.02	0	17	17
POSTAL SAVINGS BANK OF CHINA C	0.65	172	107	112
POSTE ITALIANE SPA	8.37	46	418	385
POWER ASSETS HOLDINGS LTD	6.99	128	1,018	895
POWER FINANCIAL CORP	23.38	1	30	26
PRAXAIR INC	158.15	2	381	381
PREMIER INC	36.38	1	25	29
PRINCIPAL FINANCIAL GROUP INC	52.95	0	6	5
PROASSURANCE CORP	35.45	0	10	7
PROCTER & GAMBLE CO/THE	78.06	71	6,024	5,556
PROGRESS SOFTWARE CORP	38.82	0	12	12
PROGRESSIVE CORP/THE	59.15	197	9,622	11,662
PROLOGIS INC	65.69	16	754	1,045
PROSPECT CO LTD	0.45	5	3	2

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PROXIMUS SADP	22.55	5	185	120
PRUDENTIAL FINANCIAL INC	93.51	3	309	283
PRUDENTIAL PLC	22.90	46	819	1,051
PRYSMIAN SPA	24.90	0	2	2
PTC THERAPEUTICS INC	33.73	9	130	293
PUBLIC SERVICE ENTERPRISE GROU	54.14	39	1,994	2,133
PUBLIC STORAGE	226.86	7	1,306	1,519
PUBLICIS GROUPE SA	68.82	0	1	1
PULTEGROUP INC	28.75	52	1,656	1,499
PUMA BIOTECHNOLOGY INC	59.15	5	421	266
PUMA SE	584.94	2	796	1,070
PURPLEBRICKS GROUP PLC	4.29	2	13	10
PVH CORP	149.72	15	2,282	2,258
PZ CUSSONS PLC	2.98	1	4	3
QANTAS AIRWAYS LTD	4.55	381	1,579	1,733
QBE INSURANCE GROUP LTD	7.20	4	28	27
QEP RESOURCES INC	12.26	20	242	245
QIAGEN NV	36.16	4	149	148
QIAGEN NV	36.43	16	435	573
QINETIQ GROUP PLC	3.56	0	2	2
QUAD/GRAPHICS INC	20.83	0	13	9
QUALCOMM INC	56.12	138	7,589	7,717
QUANTA SERVICES INC	33.40	0	3	3
QUEST DIAGNOSTICS INC	109.94	0	39	44
QUIDEL CORP	66.50	0	4	7
QUILTER PLC	1.91	93	186	178
RAIFFEISEN BANK INTERNATIONAL	30.69	33	1,198	1,025
RAKUTEN INC	6.77	0	3	2
RALPH LAUREN CORP	125.72	11	1,437	1,383
RAMBUS INC	12.54	0	1	1
RAMSAY HEALTH CARE LTD	39.88	0	3	2
RANDGOLD RESOURCES LTD	76.84	11	1,015	858
RANDSTAD NV	58.87	22	1,315	1,308
RATIONAL AG	652.66	0	46	68
RAYTHEON CO	193.18	83	13,522	16,099
REA GROUP LTD	67.14	9	521	596
REALOGY HOLDINGS CORP	22.80	112	3,934	2,542
REALTY INCOME CORP	53.79	8	407	439
RECKITT BENCKISER GROUP PLC	82.37	11	1,082	935
RECRUIT HOLDINGS CO LTD	27.68	185	3,332	5,124
RED ELECTRICA CORP SA	20.36	4	77	77
RED HAT INC	134.37	18	2,859	2,472
REDDE PLC	2.32	42	99	96
REDROW PLC	7.04	12	83	82
REGENCY CENTERS CORP	62.08	2	126	130
REGENERON PHARMACEUTICALS INC	344.99	0	52	34
REGIONS FINANCIAL CORP	17.78	103	1,961	1,838
REINSURANCE GROUP OF AMERICA I	133.48	19	2,531	2,471
RELIANCE STEEL & ALUMINUM CO	87.54	2	119	147

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
RELX NV	21.33	39	840	837
RELX PLC	21.42	39	855	841
REMY COINTREAU SA	129.60	3	368	357
RENISHAW PLC	69.97	0	21	23
REPSOL SA	19.57	329	5,201	6,443
REPUBLIC SERVICES INC	-	-	-	-
REPUBLIC SERVICES INC	68.36	7	394	472
RESMED INC	10.42	4	29	40
RESMED INC	103.58	0	9	10
RESONA HOLDINGS INC	5.35	278	1,477	1,485
RESTAURANT BRANDS INTERNATIONA	60.30	15	868	917
RETAIL PROPERTIES OF AMERICA I	12.78	1	8	7
RHEINMETALL AG	110.40	1	75	76
RHOEN-KLINIKUM AG	29.17	18	518	537
RIB SOFTWARE SE	23.23	6	185	146
RIGHTMOVE PLC	70.11	0	2	3
RIO TINTO LTD	61.65	44	2,471	2,682
RIO TINTO PLC	55.46	259	12,608	14,361
RIO TINTO PLC	55.48	21	1,114	1,148
RIOCAN REIT	18.36	23	446	415
ROBERT HALF INTERNATIONAL INC	65.10	58	2,943	3,743
ROCHE HOLDING AG	222.12	18	4,475	3,987
ROCKET INTERNET SE	32.11	6	186	194
ROCKWELL AUTOMATION INC	166.23	0	60	50
ROCKWELL COLLINS INC	134.68	8	1,060	1,064
ROGERS COMMUNICATIONS INC	47.47	3	148	138
ROHM CO LTD	83.96	12	1,133	1,024
ROLLS ROYCE HLDGS C SHS	0.00	2,842	4	4
ROLLS-ROYCE HOLDINGS PLC	13.05	5	58	65
ROSS STORES INC	84.75	57	4,034	4,837
ROTORK PLC	4.42	8	36	34
ROUND ONE CORP	15.74	20	212	310
ROWAN COS PLC	16.22	0	5	5
ROYAL BANK OF CANADA	75.25	85	6,148	6,433
ROYAL BANK OF SCOTLAND GROUP P	3.38	915	3,314	3,092
ROYAL CARIBBEAN CRUISES LTD	103.60	10	1,122	1,036
ROYAL MAIL PLC	6.67	646	4,436	4,308
ROYAL UNIBREW A/S	79.68	1	54	55
RPC GROUP PLC	9.88	3	30	31
RSA INSURANCE GROUP PLC	8.97	24	208	211
RWE AG	22.80	125	2,403	2,858
RYMAN HEALTHCARE LTD	8.10	47	358	379
RYMAN HOSPITALITY PROPERTIES I	83.15	0	11	17
RYOHIN KEIKAKU CO LTD	352.10	6	1,706	2,077
S&P GLOBAL INC	203.89	60	7,865	12,328
SA SA INTERNATIONAL HOLDINGS L	0.63	66	22	42
SABRE CORP	24.64	17	332	411
SAF-HOLLAND SA	15.06	0	4	5
SAFILO GROUP SPA	5.24	1	9	5

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
SAFRAN SA	121.48	43	4,638	5,257
SAGE GROUP PLC/THE	8.30	0	2	2
SAIA INC	80.85	0	2	8
SALESFORCE.COM INC	136.40	37	4,056	4,992
SALLY BEAUTY HOLDINGS INC	16.03	3	61	50
SALZGITTER AG	43.61	10	438	420
SAMPO OYJ	48.80	0	3	3
SAMTY CO LTD	18.33	2	27	31
SANDS CHINA LTD	5.35	94	521	505
SANDVIK AB	17.77	190	3,293	3,384
SANGAMO THERAPEUTICS INC	14.20	0	5	4
SANMINA CORP	29.30	2	48	50
SANOFI	80.15	75	6,391	5,972
SANOMA OYJ	10.15	5	41	51
SANTANDER CONSUMER USA HOLDING	19.09	1	11	11
SANTOS LTD	4.63	368	1,699	1,706
SAP SE	115.53	57	5,697	6,610
SAP SE	115.66	0	11	12
SAPUTO INC	33.18	1	17	17
SBA COMMUNICATIONS CORP	165.12	36	5,377	5,994
SCENTRE GROUP	3.24	117	352	380
SCHAEFFLER AG	13.02	5	85	64
SCHIBSTED ASA	30.38	2	54	61
SCHINDLER HOLDING AG	215.12	4	902	920
SCHWEITZER-MAUDUIT INTERNATION	43.72	0	6	9
SCSK CORP	46.49	3	110	116
SEAGATE TECHNOLOGY PLC	56.47	9	509	503
SEALED AIR CORP	42.45	77	3,758	3,260
SEEK LTD	16.11	6	66	89
SEGA SAMMY HOLDINGS INC	17.14	20	291	341
SEGRO PLC	8.84	238	1,590	2,107
SEI INVESTMENTS CO	62.52	24	1,725	1,469
SEIBU HOLDINGS INC	16.86	2	41	40
SEIKO EPSON CORP	17.39	0	2	2
SEKISUI CHEMICAL CO LTD	17.05	22	385	372
SENIOR PLC	4.01	26	81	103
SENSATA TECHNOLOGIES HOLDING P	47.58	0	5	5
SERCO GROUP PLC	1.31	242	322	316
SERIA CO LTD	48.03	5	247	226
SERVICEMASTER GLOBAL HOLDINGS	59.47	5	212	321
SERVICENOW INC	172.47	27	4,238	4,655
SEVEN & I HOLDINGS CO LTD	43.61	0	4	4
SEVEN BANK LTD	3.06	121	433	371
SEVERN TRENT PLC	26.13	0	6	5
SGL CARBON SE	10.75	0	1	1
SGS SA	2,660.76	0	760	889
SHARP CORP/JAPAN	24.38	0	3	2
SHENZHEN INTERNATIONAL HOLDING	2.07	16	34	32
SHIMADZU CORP	30.24	4	105	115

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
SHIMAMURA CO LTD	88.02	4	479	379
SHIMIZU CORP	10.37	38	354	394
SHINKO ELECTRIC INDUSTRIES CO	8.95	55	360	495
SHINSEI BANK LTD	15.40	0	2	2
SHIONOGI & CO LTD	51.38	44	2,100	2,271
SHIRE PLC	56.31	44	2,606	2,498
SHISEIDO CO LTD	79.43	83	4,844	6,569
SHIZUOKA BANK LTD/THE	9.04	4	40	38
SHOPIFY INC	145.74	2	280	280
SHOWA DENKO KK	44.42	14	477	609
SHUI ON LAND LTD	0.25	4	1	1
SHUNTEN INTERNATIONAL HOLDINGS	0.04	4,064	840	168
SHUTTERFLY INC	90.03	1	102	125
SHUTTERSTOCK INC	47.46	1	27	28
SIEMENS GAMESA RENEWABLE ENERG	13.43	1	10	8
SIG PLC	1.84	8	15	14
SIGNET JEWELERS LTD	55.75	3	123	145
SIHUAN PHARMACEUTICAL HOLDINGS	0.22	196	89	44
SIKA AG	138.38	29	2,512	3,985
SIMON PROPERTY GROUP INC	170.19	7	1,363	1,262
SINA CORP/CHINA	84.69	0	33	25
SINGAPORE AIRLINES LTD	7.84	80	673	628
SINGAPORE TELECOMMUNICATIONS L	2.26	564	1,603	1,274
SINO LAND CO LTD	1.63	628	1,019	1,021
SINOPEC ENGINEERING GROUP CO L	1.05	20	17	20
SIRIUS XM HOLDINGS INC	6.77	164	980	1,109
SKANDINAVISKA ENSKILDA BANKEN	9.52	0	2	2
SKY PLC	19.30	70	1,035	1,356
SKYWORKS SOLUTIONS INC	96.65	49	4,966	4,688
SL GREEN REALTY CORP	100.53	0	39	40
SLEEP NUMBER CORP	29.02	5	172	157
SM ENERGY CO	25.69	1	18	18
SMA SOLAR TECHNOLOGY AG	41.42	0	12	9
SMC CORP/JAPAN	366.81	4	1,593	1,504
SMITH & NEPHEW PLC	18.46	21	316	384
SMITH & NEPHEW PLC	37.53	24	739	893
SNAP-ON INC	160.72	0	16	16
SOCIETA INIZIATIVE AUTOSTRADAL	15.06	16	157	242
SOCIETE GENERALE SA	42.17	66	3,311	2,781
SOFTWARE AG	46.60	6	218	291
SOLAREDGE TECHNOLOGIES INC	47.85	2	91	77
SOLVAY SA	126.27	5	723	668
SOMPO HOLDINGS INC	40.45	0	2	2
SONAE SGPS SA	1.20	16	17	19
SONOCO PRODUCTS CO	52.50	0	5	5
SONY CORP	51.14	138	6,291	7,031
SOPRA STERIA GROUP	203.85	0	0	0
SORRENTO THERAPEUTICS INC	7.20	11	82	77
SOURCENEXT CORP	7.51	4	29	29

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Issuer	Price	Shares	Cost	Market Value
SOUTH32 LTD	2.67	1,432	3,867	3,819
SOUTHWEST AIRLINES CO	50.88	132	6,766	6,700
SPARK NEW ZEALAND LTD	2.53	42	83	107
SPARK THERAPEUTICS INC	82.76	1	59	99
SPARTON CORP	18.99	0	3	3
SPDR S&P 500 ETF TRUST	271.28	15	4,023	4,069
SPECTRIS PLC	34.46	5	172	182
SPIRE INC	70.65	0	12	14
SPIRIT AEROSYSTEMS HOLDINGS IN	85.91	85	4,973	7,302
SPIRIT MTA REIT	10.30	0	2	3
SPIRIT REALTY CAPITAL INC	8.03	4	32	31
SPLUNK INC	99.11	0	33	30
SPROUTS FARMERS MARKET INC	22.07	3	61	57
SQUARE INC	61.64	42	1,941	2,589
SSAB AB	4.73	53	279	250
SSE PLC	17.89	0	9	8
SSP GROUP PLC	8.37	2	17	17
SSY GROUP LTD	1.11	50	55	56
STADA ARZNEIMITTEL AG	93.92	0	33	31
STAGECOACH GROUP PLC	1.87	17	61	32
STANDARD CHARTERED PLC	9.14	2	20	20
STANDARD LIFE ABERDEEN PLC	4.30	754	4,200	3,243
STANLEY ELECTRIC CO LTD	34.13	25	956	857
STANTEC INC	25.70	1	15	15
STAR ENTERTAINMENT GRP LTD/THE	3.64	0	1	1
STARS GROUP INC (THE)	36.25	2	38	76
START TODAY CO LTD	36.25	0	2	4
STARTS CORP INC	24.39	1	13	15
STATE BANK FINANCIAL CORP	33.36	0	10	10
STATE STREET CORP	93.09	5	532	503
STEEL DYNAMICS INC	45.95	97	4,046	4,468
STEELCASE INC	13.50	2	33	32
STERICYCLE INC	65.29	0	6	7
STMICROELECTRONICS NV	22.31	71	1,725	1,578
STMICROELECTRONICS NV	22.34	6	130	130
STOCKLAND	2.93	93	296	274
STORA ENSO OYJ	19.57	97	1,695	1,896
STORE CAPITAL CORP	27.40	1	17	19
STOREBRAND ASA	8.07	1	12	11
STRAUMANN HOLDING AG	760.36	0	51	59
SUEDZUCKER AG	15.93	0	5	4
SULZER AG	121.46	0	32	38
SUMCO CORP	20.20	60	1,417	1,212
SUMIDA CORP	11.27	0	1	1
SUMITOMO CHEMICAL CO LTD	5.67	139	915	788
SUMITOMO CORP	16.43	104	1,604	1,706
SUMITOMO DAINIPPON PHARMA CO L	21.17	0	1	2
SUMITOMO HEAVY INDUSTRIES LTD	33.77	29	1,109	986
SUMITOMO METAL MINING CO LTD	38.26	49	2,142	1,863

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
SUMITOMO MITSUI CONSTRUCTION C	6.96	0	1	2
SUMITOMO MITSUI FINANCIAL GROU	7.77	11	88	82
SUMITOMO MITSUI FINANCIAL GROU	38.88	10	354	381
SUN COMMUNITIES INC	97.88	0	11	13
SUN HUNG KAI PROPERTIES LTD	15.09	104	1,569	1,570
SUN LIFE FINANCIAL INC	40.16	7	287	265
SUNCOR ENERGY INC	40.67	178	6,172	7,246
SUNDRUG CO LTD	40.54	10	471	418
SUNRISE COMMUNICATIONS GROUP A	81.37	1	93	96
SUNTEC REAL ESTATE INVESTMENT	1.27	230	336	292
SUPERIOR ENERGY SERVICES INC	9.74	0	4	4
SUZUKEN CO LTD/AICHI JAPAN	42.34	2	86	97
SUZUKI MOTOR CORP	55.23	83	3,881	4,601
SVB FINANCIAL GROUP	288.76	0	19	29
SVENSKA HANDELSBANKEN AB	11.13	1	9	7
SWATCH GROUP AG/THE	86.46	9	514	749
SWATCH GROUP AG/THE	474.44	0	100	107
SWEDBANK AB	21.44	9	199	184
SWEDISH MATCH AB	49.60	47	2,085	2,321
SWIRE PROPERTIES LTD	3.70	31	97	116
SWISS LIFE HOLDING AG	347.45	10	3,685	3,603
SWISS RE AG	86.31	14	1,224	1,179
SWISSCOM AG	446.35	10	4,876	4,567
SYDBANK A/S	34.38	1	42	40
SYMANTEC CORP	20.65	21	454	438
SYMRISE AG	87.68	4	330	343
SYNAPTICS INC	50.37	1	19	25
SYNCHRONY FINANCIAL	33.38	200	6,666	6,674
SYNEOS HEALTH INC	46.90	0	14	14
SYNOPSYS INC	85.57	12	801	984
SYNOVUS FINANCIAL CORP	52.83	1	31	53
SYSCO CORP	68.29	12	767	806
SYSMEX CORP	93.35	18	1,554	1,662
T ROWE PRICE GROUP INC	116.09	44	4,798	5,063
T&D HOLDINGS INC	15.03	4	51	53
TABLEAU SOFTWARE INC	97.75	0	9	10
TACHI-S CO LTD	16.74	3	39	47
TADANO LTD	12.29	11	149	131
TAG IMMOBILIEN AG	21.99	138	2,351	3,028
TAIHEIYO CEMENT CORP	32.91	6	214	201
TAILORED BRANDS INC	25.52	1	17	20
TAISEI CORP	55.16	71	3,260	3,889
TAKARA LEBEN CO LTD	3.75	8	37	31
TAKEDA PHARMACEUTICAL CO LTD	42.23	10	463	414
TAKE-TWO INTERACTIVE SOFTWARE	118.36	19	2,098	2,284
TAL EDUCATION GROUP	36.80	0	4	4
TAPESTRY INC	46.71	35	1,657	1,626
TARGET CORP	76.12	29	2,003	2,229
TATE & LYLE PLC	8.54	12	94	100

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Issuer	Price	Shares	Cost	Market Value
TAYLOR MORRISON HOME CORP	20.78	0	4	4
TCF FINANCIAL CORP	24.62	4	59	106
TD AMERITRADE HOLDING CORP	54.77	19	1,103	1,030
TE CONNECTIVITY LTD	90.06	21	1,702	1,852
TECHNIPFMC PLC	31.93	85	2,583	2,713
TECHNO HORIZON HOLDINGS CO LTD	5.37	19	46	100
TECHTRONIC INDUSTRIES CO LTD	5.58	254	1,562	1,416
TECK RESOURCES LTD	25.46	183	4,483	4,655
TEIJIN LTD	18.35	11	234	200
TELE2 AB	11.77	14	173	166
TELECOM ITALIA SPA/MILANO	0.74	5	5	4
TELEFONICA DEUTSCHLAND HOLDING	3.94	9	35	35
TELEFONICA SA	8.53	4	37	32
TELEKOM AUSTRIA AG	8.34	16	102	130
TELENOR ASA	20.51	65	1,405	1,323
TELSTRA CORP LTD	1.94	12	40	24
TELUS CORP	35.50	72	2,505	2,556
TEMENOS AG	151.07	0	4	6
TENARIS SA	18.35	37	693	683
TERADYNE INC	38.07	4	158	168
TERNA RETE ELETTRICA NAZIONALE	5.41	121	655	657
TERRAFORM POWER INC	11.70	3	35	35
TERUMO CORP	57.33	6	355	344
TESCO PLC	3.39	352	1,013	1,192
TESLA INC	342.95	0	60	69
TEXAS INSTRUMENTS INC	110.25	140	10,595	15,450
TEXTRON INC	65.91	5	302	303
TGS NOPEC GEOPHYSICAL CO ASA	36.81	3	80	96
THALES SA	128.84	16	1,330	2,059
THERMO FISHER SCIENTIFIC INC	207.14	2	323	311
THK CO LTD	28.66	24	820	688
THOMAS COOK GROUP PLC	1.42	20	33	29
THOMSON REUTERS CORP	40.33	2	87	85
THYSSENKRUPP AG	24.31	0	2	2
TIFFANY & CO	131.60	8	926	1,090
TIMKEN CO/THE	43.55	0	17	17
TIVITY HEALTH INC	35.20	0	10	10
TJX COS INC/THE	95.18	110	8,226	10,445
TLG IMMOBILIEN AG	26.67	0	3	4
T-MOBILE US INC	59.75	35	2,156	2,067
TOHOKU ELECTRIC POWER CO INC	12.22	57	728	697
TOKEN CORP	88.30	1	73	79
TOKUYAMA CORP	32.10	34	728	1,088
TOKYO ELECTRIC POWER CO HOLDIN	4.66	1	4	5
TOKYO ELECTRON LTD	171.71	39	6,345	6,697
TOKYU CORP	17.23	2	28	28
TOKYU FUDOSAN HOLDINGS CORP	7.06	61	342	429
TOKYU REIT INC	1,345.19	0	22	24
TOLL BROTHERS INC	36.99	30	1,336	1,102

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
TOMY CO LTD	8.31	63	756	519
TOPBUILD CORP	78.34	0	11	24
TOPCON CORP	17.15	4	71	70
TOPDANMARK A/S	43.78	3	70	113
TORCHMARK CORP	81.41	1	80	98
TORO CO/THE	60.25	0	12	12
TORONTO DOMINION BANK	57.84	245	12,404	14,183
TOSHIBA CORP	3.01	631	1,761	1,897
TOSOH CORP	15.50	31	658	474
TOTAL SYSTEM SERVICES INC	84.52	60	4,715	5,100
TOWER SEMICONDUCTOR LTD	22.01	1	12	11
TOYOTA BOSHOKU CORP	18.41	22	460	407
TOYOTA MOTOR CORP	64.73	40	2,607	2,570
TOYOTA MOTOR CORP	128.81	1	90	103
TOYOTA TSUSHO CORP	33.49	13	445	432
TP ICAP PLC	5.56	61	340	338
TRANS GENIC INC	4.04	10	61	41
TRANSALTA RENEWABLES INC	9.46	1	7	6
TRANSOCEAN LTD	13.44	5	51	62
TRANSUNION	71.64	30	1,769	2,177
TRAVELERS COS INC/THE	122.34	11	1,157	1,300
TRAVELPORT WORLDWIDE LTD	18.54	1	18	24
TREASURY WINE ESTATES LTD	12.85	155	1,917	1,997
TREEHOUSE FOODS INC	52.51	2	65	79
TREND MICRO INC/JAPAN	57.06	10	501	576
TRICAN WELL SERVICE LTD	2.27	2	8	5
TRIMBLE INC	32.84	29	885	959
TRINITY INDUSTRIES INC	34.26	3	110	110
TRIPADVISOR INC	55.71	20	716	1,109
TRYG A/S	23.47	15	362	356
TSURUHA HOLDINGS INC	125.40	7	940	840
TTM TECHNOLOGIES INC	17.63	0	3	4
TUI AG	21.93	49	1,132	1,082
TUI AG	21.95	144	2,958	3,165
TULLOW OIL PLC	3.23	136	331	440
TV TOKYO HOLDINGS CORP	30.56	3	53	104
TWENTY-FIRST CENTURY FOX INC	49.69	24	963	1,184
TWITTER INC	43.67	26	867	1,115
TYSON FOODS INC	68.85	56	4,038	3,871
UACJ CORP	21.56	2	46	41
UBISOFT ENTERTAINMENT SA	109.73	9	740	975
UBS GROUP AG	15.43	26	422	405
UCB SA	78.62	34	2,550	2,697
UGI CORP	52.07	22	1,015	1,166
ULVAC INC	38.28	13	451	494
UMICORE SA	57.39	38	2,063	2,199
UNIBAIL-RODAMCO-WESTFIELD	10.84	28	301	298
UNIBAIL-RODAMCO-WESTFIELD	220.14	4	498	940
UNICHARM CORP	30.09	0	3	3

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Issuer	Price	Shares	Cost	Market Value
UNICREDIT SPA	16.69	291	6,133	4,861
UNILEVER NV	55.79	56	3,180	3,136
UNILEVER PLC	55.34	157	7,922	8,716
UNION PACIFIC CORP	141.68	56	6,669	7,966
UNIPER SE	29.82	41	1,226	1,222
UNIPOLSAI ASSICURAZIONI SPA	2.21	0	1	1
UNIPRES CORP	19.60	0	2	2
UNIQUIRE NV	37.80	0	6	8
UNITED CONTINENTAL HOLDINGS IN	69.73	11	733	773
UNITED INTERNET AG	57.28	30	1,656	1,719
UNITED NATURAL FOODS INC	42.66	0	4	4
UNITED OVERSEAS BANK LTD	19.63	47	710	915
UNITED PARCEL SERVICE INC	106.23	11	1,108	1,126
UNITED RENTALS INC	147.62	16	2,670	2,347
UNITED STATES STEEL CORP	34.75	0	7	7
UNITED TECHNOLOGIES CORP	125.03	13	1,342	1,605
UNITED THERAPEUTICS CORP	113.15	17	2,299	1,882
UNITEDHEALTH GROUP INC	245.34	87	10,823	21,372
UNITIKA LTD	5.70	2	15	10
UNIVAR INC	26.24	1	15	13
UNIVERSAL HEALTH SERVICES INC	111.44	3	387	368
UNIZO HOLDINGS CO LTD	18.64	4	79	71
UNUM GROUP	36.99	13	529	466
UOL GROUP LTD	5.59	89	547	497
UPM-KYMMENE OYJ	35.75	82	2,637	2,928
URBAN OUTFITTERS INC	44.55	1	37	53
US BANCORP	-	-	-	-
US BANCORP	50.02	150	7,695	7,525
US FOODS HOLDING CORP	37.82	16	461	609
USANA HEALTH SCIENCES INC	115.30	0	6	12
USG CORP	43.12	0	7	9
VALEANT PHARMACEUTICALS INTERN	23.24	18	313	410
VALEO SA	54.66	0	5	4
VALERO ENERGY CORP	110.83	115	12,327	12,787
VALVOLINE INC	21.57	2	50	47
VECTURA GROUP PLC	1.03	13	21	13
VEDANTA RESOURCES PLC	8.54	26	292	226
VENTAS INC	56.95	7	417	405
VEOLIA ENVIRONNEMENT SA	21.40	57	1,434	1,230
VEONEER INC	35.40	1	52	49
VEBUND AG	32.34	2	52	56
VEREIT INC	7.44	57	417	420
VERISIGN INC	137.42	85	7,690	11,736
VERIZON COMMUNICATIONS INC	50.31	59	2,904	2,955
VERMILION ENERGY INC	36.04	1	20	22
VERSUM MATERIALS INC	37.15	17	356	617
VERTEX PHARMACEUTICALS INC	169.96	36	5,206	6,049
VF CORP	81.52	65	5,143	5,331
VICOR CORP	43.55	0	7	9

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
VICTREX PLC	38.47	1	31	33
VIENNA INSURANCE GROUP AG WIEN	27.27	0	10	13
VIFOR PHARMA AG	159.78	9	1,363	1,387
VINCI SA	96.16	16	1,456	1,525
VISA INC	132.45	115	11,385	15,204
VISCOFAN SA	68.13	0	12	15
VISHAY INTERTECHNOLOGY INC	23.20	1	18	21
VISTEON CORP	129.24	2	107	194
VISTRA ENERGY CORP	23.66	56	1,293	1,332
VIVENDI SA	24.52	0	2	2
VMWARE INC	146.97	10	873	1,440
VODAFONE GROUP PLC	2.43	638	2,017	1,548
VOESTALPINE AG	46.06	5	310	243
VOLKSWAGEN AG	165.21	1	206	157
VOLKSWAGEN AG	166.05	0	6	5
VOLTAGE INC	7.46	2	21	11
VOLVO AB	16.01	7	128	113
VONAGE HOLDINGS CORP	12.89	1	6	8
VONOVIA SE	47.59	158	7,257	7,524
VOSSLOH AG	48.69	1	81	55
VOYA FINANCIAL INC	47.00	71	3,064	3,318
VOYAGE GROUP INC	10.73	2	20	18
W&T OFFSHORE INC	7.15	1	5	5
WABCO HOLDINGS INC	117.02	1	97	105
WACKER CHEMIE AG	130.94	4	646	584
WALGREENS BOOTS ALLIANCE INC	60.02	28	2,020	1,680
WALMART INC	85.65	195	16,080	16,714
WALT DISNEY CO/THE	104.81	11	1,233	1,194
WANT WANT CHINA HOLDINGS LTD	0.89	2	2	2
WARABEYA NICHIO HOLDINGS CO L	22.95	2	35	46
WASHINGTON FEDERAL INC	32.70	0	3	3
WASTE CONNECTIONS INC	75.28	20	1,091	1,513
WASTE CONNECTIONS INC	75.28	4	226	301
WASTE MANAGEMENT INC	81.34	93	6,486	7,549
WATERS CORP	193.59	0	38	39
WAYFAIR INC	118.76	0	26	36
WEC ENERGY GROUP INC	64.65	0	18	19
WEIR GROUP PLC/THE	26.41	16	410	426
WELLCARE HEALTH PLANS INC	246.24	1	89	172
WELLS FARGO & CO	55.44	170	9,038	9,421
WELLTOWER INC	62.69	8	541	479
WERNER ENTERPRISES INC	37.55	0	11	11
WESCO INTERNATIONAL INC	57.10	0	6	6
WESFARMERS LTD	36.47	5	181	193
WESSANEN	21.04	0	4	9
WEST FRASER TIMBER CO LTD	68.79	59	3,096	4,063
WEST JAPAN RAILWAY CO	73.71	20	1,405	1,481
WESTERN DIGITAL CORP	77.41	3	243	240
WESTON (GEORGE) LTD	81.54	5	446	416

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
WESTPAC BANKING CORP	21.65	23	512	501
WESTPAC BANKING CORP	21.68	0	9	9
WESTROCK CO	57.02	1	43	40
WEYERHAEUSER CO	36.46	17	566	605
WH GROUP LTD	0.81	3	2	2
WH SMITH PLC	26.39	12	269	323
WHARF HOLDINGS LTD/THE	3.21	114	524	366
WHARF REAL ESTATE INVESTMENT C	7.12	146	972	1,039
WHEATON PRECIOUS METALS CORP	22.06	2	39	40
WHEELOCK & CO LTD	6.97	99	518	690
WHIRLPOOL CORP	146.23	0	14	15
WHITEHAVEN COAL LTD	4.27	1	1	3
WIENERBERGER AG	24.96	0	2	3
WILLIAM DEMANT HOLDING A/S	40.24	3	95	137
WILLIAM HILL PLC	4.01	2	8	8
WILLIAMS COS INC/THE	27.11	77	2,286	2,079
WILLIS TOWERS WATSON PLC	151.60	6	867	849
WILMAR INTERNATIONAL LTD	2.24	0	1	1
WIRECARD AG	161.06	20	2,522	3,255
WIZZ AIR HOLDINGS PLC	47.53	1	32	35
WM MORRISON SUPERMARKETS PLC	3.33	238	630	792
WOLTERS KLUWER NV	56.35	21	1,056	1,189
WOODSIDE PETROLEUM LTD	26.20	59	1,490	1,533
WOOLWORTHS GROUP LTD	22.55	49	949	1,094
WORLD FUEL SERVICES CORP	20.41	0	12	8
WORTHINGTON INDUSTRIES INC	41.97	0	5	4
WP CAREY INC	66.35	1	34	33
WPP PLC	15.75	27	615	425
WR BERKLEY CORP	72.41	0	11	14
WR GRACE & CO	73.31	8	575	564
WUXI BIOLOGICS CAYMAN INC	11.13	1	5	6
WW GRAINGER INC	308.40	6	1,770	1,798
WYNDHAM DESTINATIONS INC	44.27	7	273	319
WYNDHAM HOTELS & RESORTS INC	58.83	6	258	329
WYNN MACAU LTD	3.22	764	2,723	2,459
WYNN RESORTS LTD	167.34	12	1,783	1,991
XCEL ENERGY INC	45.68	24	1,127	1,078
XILINX INC	65.26	11	788	737
XPERI CORP	16.10	1	17	10
XPO LOGISTICS INC	100.18	1	47	50
XYLEM INC/NY	67.38	34	2,494	2,271
YAHOO JAPAN CORP	3.32	27	102	91
YAMAGUCHI FINANCIAL GROUP INC	11.27	6	81	68
YAMAHA MOTOR CO LTD	25.15	29	839	732
YAMAICHI ELECTRONICS CO LTD	13.70	2	9	22
YAMAZAKI BAKING CO LTD	26.18	1	17	21
YASKAWA ELECTRIC CORP	35.35	56	1,533	1,983
YELP INC	39.18	13	543	490
YEXT INC	19.34	0	2	2

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
YOROZU CORP	15.39	3	42	42
YUM CHINA HOLDINGS INC	38.46	4	169	162
YUM! BRANDS INC	78.22	45	2,965	3,512
ZALL SMART COMMERCE GROUP LTD	1.21	5	6	6
ZAYO GROUP HOLDINGS INC	36.48	22	772	795
ZEBRA TECHNOLOGIES CORP	143.25	0	8	14
ZHAOJIN MINING INDUSTRY CO LTD	0.76	36	31	27
ZIMMER BIOMET HOLDINGS INC	111.44	2	264	259
ZIONS BANCORPORATION	52.69	16	861	822
ZOETIS INC	85.19	49	4,123	4,140
ZOGENIX INC	44.20	0	13	13
ZOJIRUSHI CORP	12.22	0	2	2
ZURICH INSURANCE GROUP AG	296.19	6	1,770	1,908
ZYNGA INC	4.07	183	609	744
Public Global Equity		179,682	\$ 4,056,901	\$ 4,933,572
Public Global Equity Receivable				3,233
Total Public Global Equity				\$ 4,936,805

Issuer	Price	Shares	Cost	Market Value
US Equity				
2U INC	\$ 83.56	18	\$ 966	\$ 1,521
ABM INDUSTRIES INC	29.18	90	3,358	2,620
ACADIA HEALTHCARE CO INC	40.91	21	838	863
ACCELERATE DIAGNOSTICS INC	22.30	38	980	856
ACCELERON PHARMA INC	48.52	33	1,287	1,601
ACLARIS THERAPEUTICS INC	19.97	43	1,091	853
ADDUS HOMECARE CORP	57.25	32	760	1,832
ADTALEM GLOBAL EDUCATION INC	48.10	68	2,244	3,267
ADVANCED DISPOSAL SERVICES INC	24.78	117	2,433	2,909
AEROJET ROCKETDYNE HOLDINGS IN	29.49	98	2,215	2,904
AIMMUNE THERAPEUTICS INC	26.89	19	491	522
AIR TRANSPORT SERVICES GROUP I	22.59	95	1,204	2,135
ALLEGHENY TECHNOLOGIES INC	25.12	148	2,622	3,717
ALLETE INC	77.41	50	2,713	3,892
AMC ENTERTAINMENT HOLDINGS INC	15.90	178	2,706	2,831
AMEDISYS INC	85.46	32	1,586	2,752
AMERICAN AXLE & MANUFACTURING	15.56	140	2,372	2,183
AMERICAN EAGLE OUTFITTERS INC	23.25	118	1,616	2,736
AMERICAN EQUITY INVESTMENT LIF	36.00	88	2,000	3,176
AMERICAN WOODMARK CORP	91.55	19	1,674	1,765
AMICUS THERAPEUTICS INC	15.62	111	1,388	1,729
ANTARES PHARMA INC	2.58	287	911	741
APERGY CORP	41.75	25	1,084	1,048
APOLLO GLOBAL MANAGEMENT LLC	31.87	255	7,593	8,127
APPLIED INDUSTRIAL TECHNOLOGIE	70.15	37	1,943	2,589
ARDMORE SHIPPING CORP	8.20	130	1,376	1,064
ARGENX SE	82.86	15	1,146	1,268
ARMADA HOFFLER PROPERTIES INC	14.90	171	2,009	2,548
ARMSTRONG WORLD INDUSTRIES INC	63.20	34	2,001	2,168
ASBURY AUTOMOTIVE GROUP INC	68.55	33	2,407	2,232

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
ASHLAND GLOBAL HOLDINGS INC	78.18	34	2,027	2,671
ASSURANT INC	103.49	23	1,820	2,411
ASTRONICS CORP	35.97	33	1,341	1,183
ATARA BIOTHERAPEUTICS INC	36.75	15	570	540
ATLAS AIR WORLDWIDE HOLDINGS I	71.70	30	1,544	2,151
ATLASSIAN CORP PLC	62.52	70	2,344	4,376
AURINIA PHARMACEUTICALS INC	5.63	175	1,179	988
AVIS BUDGET GROUP INC	32.50	55	2,028	1,794
AXOGEN INC	50.25	31	659	1,543
BANC OF CALIFORNIA INC	19.55	207	4,193	4,041
BANCORPSOUTH BANK	32.95	103	2,458	3,410
BANK OF NT BUTTERFIELD & SON L	45.72	57	1,645	2,624
BANK OF THE OZARKS	45.04	21	1,080	950
BANKUNITED INC	40.85	165	5,591	6,755
BANNER CORP	60.13	32	1,053	1,938
BEACON ROOFING SUPPLY INC	42.62	205	9,763	8,737
BELDEN INC	61.12	52	3,221	3,207
BENCHMARK ELECTRONICS INC	29.15	82	2,010	2,401
BERKSHIRE HILLS BANCORP INC	40.60	32	1,238	1,295
BIG LOTS INC	41.78	55	2,302	2,300
BIO-RAD LABORATORIES INC	288.54	30	6,632	8,656
BIOSCRIP INC	2.93	431	870	1,264
BLACK HILLS CORP	61.21	65	3,309	3,956
BLUE HILLS BANCORP INC	22.20	115	1,855	2,547
BLUEGREEN VACATIONS CORP	23.80	72	1,203	1,706
BLUEPRINT MEDICINES CORP	63.48	81	4,308	5,116
BMC STOCK HOLDINGS INC	20.85	143	2,985	2,973
BOOZ ALLEN HAMILTON HOLDING CO	43.73	228	7,629	9,962
BOSTON PRIVATE FINANCIAL HOLDI	15.90	79	841	1,253
BRIDGEWATER BANCSHARES INC	12.72	96	1,242	1,221
BRIGHT HORIZONS FAMILY SOLUTIO	102.52	87	5,811	8,919
BRIGHTSPHERE INVESTMENT GROUP	14.26	60	900	848
BROOKLINE BANCORP INC	18.60	77	1,225	1,434
BRUKER CORP	29.04	49	1,067	1,424
BRUNSWICK CORP/DE	64.48	101	4,933	6,540
BUCKLE INC/THE	26.90	91	1,465	2,454
BUILDERS FIRSTSOURCE INC	18.29	109	1,500	1,989
BWX TECHNOLOGIES INC	62.32	120	5,459	7,478
CACI INTERNATIONAL INC	168.55	22	2,156	3,683
CACTUS INC	33.79	37	800	1,260
CALAVO GROWERS INC	96.15	24	2,076	2,301
CALERES INC	34.39	98	2,491	3,374
CALLON PETROLEUM CO	10.74	385	4,684	4,130
CAMBREX CORP	52.30	41	2,202	2,160
CAMDEN NATIONAL CORP	45.71	62	1,956	2,832
CARDIOVASCULAR SYSTEMS INC	32.34	42	992	1,345
CARPENTER TECHNOLOGY CORP	52.57	43	1,904	2,254
CARRIAGE SERVICES INC	24.55	57	1,171	1,403
CARROLS RESTAURANT GROUP INC	14.85	90	524	1,337
CARTER'S INC	108.39	106	11,208	11,479
CATALENT INC	41.89	53	1,252	2,229

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
CAVIUM INC	86.50	39	1,734	3,399
CBIZ INC	23.00	138	1,387	3,176
CENTENNIAL RESOURCE DEVELOPMEN	18.06	87	1,280	1,575
CENTERSTATE BANK CORP	29.82	101	2,798	3,018
CENTRAL PACIFIC FINANCIAL CORP	28.65	91	1,240	2,594
CHARLES RIVER LABORATORIES INT	112.26	123	11,433	13,804
CHEMICAL FINANCIAL CORP	55.67	37	1,864	2,043
CIENA CORP	26.51	194	4,784	5,149
CINEMARK HOLDINGS INC	35.08	46	1,620	1,617
CIVITAS SOLUTIONS INC	16.40	37	656	608
CLOVIS ONCOLOGY INC	45.47	16	1,146	737
CNO FINANCIAL GROUP INC	19.04	132	2,682	2,509
COGENT COMMUNICATIONS HOLDINGS	53.40	41	1,084	2,172
COLUMBUS MCKINNON CORP/NY	43.36	17	741	745
COMMERCIAL METALS CO	21.11	118	2,806	2,483
COMMSCOPE HOLDING CO INC	29.21	76	2,462	2,208
COMMVAULT SYSTEMS INC	65.85	30	1,736	1,969
CONMED CORP	73.20	56	2,440	4,129
COOPER-STANDARD HOLDINGS INC	130.67	13	1,710	1,738
CORECIVIC INC	23.89	74	1,820	1,770
CORESITE REALTY CORP	110.82	20	1,146	2,215
CORNERSTONE ONDEMAND INC	47.43	37	1,218	1,731
COSTAR GROUP INC	412.63	24	3,536	9,903
COTT CORP	16.55	172	1,788	2,846
COUSINS PROPERTIES INC	9.69	371	3,476	3,592
COWEN INC	13.85	103	1,735	1,421
CRAY INC	24.60	60	1,489	1,476
CREE INC	41.57	54	1,515	2,258
CUBESMART	32.22	46	1,328	1,495
CYMABAY THERAPEUTICS INC	13.42	38	540	505
CYPRESS SEMICONDUCTOR CORP	15.58	86	951	1,333
DANA INC	20.19	103	2,011	2,088
DARLING INGREDIENTS INC	19.88	97	1,354	1,922
DDR CORP	17.90	200	4,032	3,579
DELEK US HOLDINGS INC	50.17	90	3,010	4,499
DELPHI TECHNOLOGIES PLC	44.44	2	80	67
DELPHI TECHNOLOGIES PLC	45.46	23	1,200	1,027
DELUXE CORP	66.21	34	1,963	2,238
DENNY'S CORP	15.93	114	500	1,811
DIAMONDROCK HOSPITALITY CO	12.28	232	2,200	2,846
DIODES INC	34.47	85	1,865	2,926
DOUGLAS DYNAMICS INC	48.00	51	2,067	2,424
DULUTH HOLDINGS INC	23.79	68	1,246	1,622
EAGLE MATERIALS INC	104.97	12	859	1,218
EBIX INC	76.25	32	959	2,448
EDUCATION REALTY TRUST INC	41.50	90	3,406	3,744
ELDORADO RESORTS INC	39.10	22	747	872
ELF BEAUTY INC	15.24	52	1,041	789
ELLIE MAE INC	103.84	20	1,928	2,087
EMCOR GROUP INC	76.18	50	2,443	3,845
EMPLOYERS HOLDINGS INC	40.20	27	814	1,065
ENCOMPASS HEALTH CORP	67.72	145	9,016	9,819

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
ENCORE CAPITAL GROUP INC	36.60	43	1,602	1,566
ENERGIZER HOLDINGS INC	62.96	35	2,134	2,210
ENGILITY HOLDINGS INC	30.64	94	2,543	2,876
ENPRO INDUSTRIES INC	69.95	30	2,340	2,071
ENTEGRA FINANCIAL CORP	29.30	32	430	939
EPAM SYSTEMS INC	124.33	19	1,296	2,375
EQUITY BANCSHARES INC	41.48	33	1,324	1,381
EQUITY LIFESTYLE PROPERTIES IN	-	-	-	-
ESSENT GROUP LTD	35.82	55	1,242	1,956
ESTERLINE TECHNOLOGIES CORP	73.80	37	2,742	2,733
EURONET WORLDWIDE INC	83.77	16	1,358	1,374
EVERBRIDGE INC	47.42	36	1,344	1,683
EVERTEC INC	21.85	69	1,410	1,514
EVOLENT HEALTH INC	21.05	70	1,463	1,482
EXLSERVICE HOLDINGS INC	56.61	39	1,818	2,196
EXTRACTION OIL & GAS INC	14.69	293	5,002	4,304
EXTREME NETWORKS INC	7.96	149	1,348	1,183
FEDERAL SIGNAL CORP	23.29	115	1,780	2,678
FERRO CORP	20.85	182	3,610	3,789
FIRST CITIZENS BANCSHARES INC/ FIRST COMMONWEALTH FINANCIAL C	403.30	4	971	1,553
FIRST FINANCIAL BANCORP	15.51	155	1,360	2,403
FIRST FOUNDATION INC	30.65	121	2,009	3,722
FIRST HORIZON NATIONAL CORP	18.54	110	1,661	2,045
FIRST INDUSTRIAL REALTY TRUST	-	-	-	-
FIRST NORTHWEST BANCORP	33.34	101	2,491	3,369
FLY LEASING LTD	15.97	82	1,004	1,305
FNB CORP/PA	14.09	84	1,212	1,184
FORMFACTOR INC	13.42	436	5,528	5,845
FULTON FINANCIAL CORP	13.30	152	1,875	2,019
GARTNER INC	16.50	228	4,085	3,760
GENESCO INC	132.90	65	6,905	8,639
GENESEE & WYOMING INC	39.70	43	1,705	1,715
GIBRALTAR INDUSTRIES INC	81.32	32	2,178	2,613
G-III APPAREL GROUP LTD	37.50	63	2,215	2,359
GLAUKOS CORP	44.40	69	1,715	3,072
GLOBAL BLOOD THERAPEUTICS INC	40.64	59	1,855	2,398
GLYCOMIMETICS INC	45.20	46	1,642	2,084
GOLAR LNG LTD	16.13	53	728	857
GRAND CANYON EDUCATION INC	29.46	107	3,006	3,149
GRAPHIC PACKAGING HOLDING CO	111.61	86	7,975	9,587
GRAY TELEVISION INC	14.51	139	1,530	2,024
GREAT WESTERN BANCORP INC	15.80	195	2,512	3,082
GREENBRIER COS INC/THE	41.99	74	2,158	3,099
HAEMONETICS CORP	52.75	48	1,833	2,523
HANGER INC	89.68	27	1,010	2,445
HANMI FINANCIAL CORP	16.96	34	806	584
HANOVER INSURANCE GROUP INC/TH	28.35	55	1,211	1,563
HARSCO CORP	119.56	23	2,469	2,752
HAWAIIAN HOLDINGS INC	22.10	30	563	664
HEALTHCARE REALTY TRUST INC	35.95	53	1,757	1,888
HEALTHCARE SERVICES GROUP INC	29.08	66	2,007	1,931
	43.19	34	1,410	1,447

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
HELEN OF TROY LTD	98.45	19	1,362	1,900
HELIX ENERGY SOLUTIONS GROUP I	8.33	236	2,061	1,968
HESKA CORP	103.79	15	1,075	1,505
HILTON GRAND VACATIONS INC	34.70	308	11,300	10,688
HOMESTREET INC	26.95	83	2,293	2,246
HOSTESS BRANDS INC	13.60	154	2,386	2,090
HUB GROUP INC	49.80	81	3,486	4,021
IBERIABANK CORP	75.80	111	8,624	8,422
ICF INTERNATIONAL INC	71.05	39	1,431	2,757
INFINERA CORP	9.93	212	2,211	2,105
INNOSPEC INC	76.55	22	1,569	1,684
INPHI CORP	32.61	49	2,053	1,598
INSTALLED BUILDING PRODUCTS IN	56.55	34	1,485	1,911
INTEGRA LIFESCIENCES HOLDINGS	64.41	28	1,563	1,803
INTERNATIONAL BANCSHARES CORP	42.80	80	2,109	3,417
ITT INC	52.27	114	4,407	5,934
J2 GLOBAL INC	86.61	100	8,720	8,661
JACK HENRY & ASSOCIATES INC	130.36	55	4,639	7,170
JACK IN THE BOX INC	85.12	16	1,523	1,345
JAMES RIVER GROUP HOLDINGS LTD	39.29	47	1,547	1,827
KAISER ALUMINUM CORP	104.11	11	990	1,187
KBR INC	17.92	115	1,840	2,057
KEARNY FINANCIAL CORP/MD	13.45	11	121	146
KEMPER CORP	75.65	47	2,420	3,588
KITE REALTY GROUP TRUST	17.08	181	3,881	3,092
KRATOS DEFENSE & SECURITY SOLU	11.51	36	409	412
LANDSTAR SYSTEM INC	109.20	10	870	1,070
LAUREATE EDUCATION INC	14.33	164	2,324	2,354
LEGACYTEXAS FINANCIAL GROUP IN	39.02	75	3,072	2,910
LHC GROUP INC	85.59	20	982	1,746
LITHIA MOTORS INC	94.57	14	1,407	1,333
LIVEPERSON INC	21.10	91	1,494	1,910
LOGMEIN INC	103.25	3	296	268
LOXO ONCOLOGY INC	173.48	18	1,111	3,140
LPL FINANCIAL HOLDINGS INC	65.54	55	1,840	3,577
LUMENTUM HOLDINGS INC	57.90	40	2,042	2,293
MACK-CALI REALTY CORP	20.28	245	5,010	4,962
MAGELLAN HEALTH INC	95.95	40	2,360	3,806
MANITOWOC CO INC/THE	25.86	83	2,321	2,150
MARTEN TRANSPORT LTD	23.45	47	942	1,109
MCDERMOTT INTERNATIONAL INC	19.65	195	4,018	3,834
MEDICAL PROPERTIES TRUST INC	14.04	141	2,003	1,985
MERCURY SYSTEMS INC	38.06	40	1,822	1,503
MERIT MEDICAL SYSTEMS INC	51.20	49	752	2,501
MERITOR INC	20.57	176	2,662	3,620
MGIC INVESTMENT CORP	10.72	263	3,086	2,819
MIDLAND STATES BANCORP INC	34.26	61	1,560	2,080
MIMECAST LTD	41.21	43	1,431	1,764
MODEL N INC	18.60	64	1,105	1,198
MOLINA HEALTHCARE INC	97.94	48	3,108	4,697

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
MONOLITHIC POWER SYSTEMS INC	133.67	22	593	2,910
MOOG INC	77.96	1	67	103
MORPHOSYS AG	30.34	73	1,941	2,212
MOTORCAR PARTS OF AMERICA INC	18.71	25	712	476
MULTI-COLOR CORP	64.65	48	2,252	3,081
NABORS INDUSTRIES LTD	6.41	271	2,316	1,737
NATIONAL WESTERN LIFE GROUP IN	307.26	4	856	1,106
NATURAL GAS SERVICES GROUP INC	23.60	36	925	838
NCR CORP	29.98	80	2,489	2,397
NEUROCRINE BIOSCIENCES INC	98.24	57	3,031	5,640
NEW JERSEY RESOURCES CORP	44.75	131	4,353	5,861
NICE LTD	103.77	45	4,873	4,670
NINE ENERGY SERVICE INC	33.12	26	708	874
NMI HOLDINGS INC	16.30	117	1,220	1,902
NORDSON CORP	128.41	46	6,420	5,907
NORTHWESTERN CORP	57.25	42	2,233	2,382
NUANCE COMMUNICATIONS INC	13.89	76	1,272	1,057
OASIS PETROLEUM INC	12.97	214	1,848	2,771
OCEANFIRST FINANCIAL CORP	29.96	129	3,630	3,877
ONE GAS INC	74.74	65	4,548	4,874
ORION ENGINEERED CARBONS SA	30.85	90	2,946	2,784
ORTHOPEDIATRICS CORP	26.64	30	385	789
OXFORD INDUSTRIES INC	82.98	24	1,581	1,975
PACIFIC PREMIER BANCORP INC	38.15	79	2,898	3,014
PACWEST BANCORP	49.42	145	7,031	7,143
PARK CITY GROUP INC	7.90	53	573	422
PAYCOM SOFTWARE INC	98.83	14	469	1,354
PB BANCORP INC	11.35	57	506	646
PDC ENERGY INC	60.45	45	2,795	2,723
PEABODY ENERGY CORP	45.48	88	4,091	4,003
PEGASYSTEMS INC	54.80	29	1,771	1,578
PENN NATIONAL GAMING INC	33.59	121	1,982	4,073
PENN VIRGINIA CORP	84.79	28	2,164	2,388
PENNSYLVANIA REAL ESTATE INVES	10.99	159	2,584	1,748
PERFORMANCE FOOD GROUP CO	36.70	143	4,507	5,235
PHYSICIANS REALTY TRUST	15.94	199	3,360	3,173
PINNACLE FINANCIAL PARTNERS IN	61.35	25	1,626	1,509
PIPER JAFFRAY COS	76.85	26	1,887	1,976
PLATFORM SPECIALTY PRODUCTS CO	11.60	387	4,357	4,494
PLEXUS CORP	59.54	47	1,936	2,794
PNM RESOURCES INC	38.90	82	2,127	3,206
POLARITYTE INC	23.54	37	1,304	859
PORTLAND GENERAL ELECTRIC CO	42.76	44	1,861	1,874
POST HOLDINGS INC	86.02	24	1,942	2,099
POTLATCHDELTIC CORP	50.85	32	1,214	1,622
PREFORMED LINE PRODUCTS CO	88.78	7	512	643
PRIMERICA INC	99.60	26	1,572	2,617
PUMA BIOTECHNOLOGY INC	59.15	19	1,441	1,136
RADIUS HEALTH INC	29.47	28	1,123	816

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Price	Shares	Cost	Market Value
RADNET INC	15.00	115	1,545	1,725
REDWOOD TRUST INC	16.47	79	1,320	1,305
REXFORD INDUSTRIAL REALTY INC	31.39	70	2,105	2,188
RINGCENTRAL INC	70.35	32	773	2,237
RLI CORP	66.19	38	1,623	2,503
RPM INTERNATIONAL INC	58.32	110	5,169	6,415
SAIA INC	80.85	74	2,765	5,974
SAILPOINT TECHNOLOGIES HOLDING	24.54	78	1,851	1,921
SALLY BEAUTY HOLDINGS INC	16.03	111	2,131	1,778
SANMINA CORP	29.30	103	2,867	3,018
SAREPTA THERAPEUTICS INC	132.18	25	1,337	3,331
SCOTTS MIRACLE-GRO CO/THE	83.16	19	1,517	1,613
SELECT MEDICAL HOLDINGS CORP	18.15	157	2,331	2,852
SERVICE CORP INTERNATIONAL/US	35.79	42	774	1,498
SERVICEMASTER GLOBAL HOLDINGS	59.47	160	7,942	9,485
SIERRA BANCORP	28.24	12	321	333
SKECHERS U.S.A. INC	30.01	40	393	1,190
SKYWEST INC	51.90	70	1,768	3,611
SOUTH JERSEY INDUSTRIES INC	33.47	107	3,082	3,571
SOUTHWEST GAS HOLDINGS INC	76.27	52	3,491	3,958
SPECTRUM PHARMACEUTICALS INC	20.96	72	1,139	1,507
SPIRIT AIRLINES INC	36.35	53	2,174	1,919
SPIRIT REALTY CAPITAL INC	8.03	267	2,214	2,142
STAG INDUSTRIAL INC	27.23	96	2,595	2,622
STATE BANK FINANCIAL CORP	33.36	80	1,860	2,673
STERLING BANCORP/DE	23.50	98	1,779	2,301
STEVEN MADDEN LTD	53.10	57	1,940	3,019
STIFEL FINANCIAL CORP	52.25	82	2,616	4,270
STORE CAPITAL CORP	27.40	77	1,746	2,113
SUMMIT HOTEL PROPERTIES INC	14.31	198	2,964	2,835
SUNOPTA INC	8.40	131	963	1,100
SUNSTONE HOTEL INVESTORS INC	16.62	138	1,184	2,290
SUPER MICRO COMPUTER INC	23.65	64	1,545	1,507
SYNAPTICS INC	50.37	39	1,660	1,975
SYNOVUS FINANCIAL CORP	52.83	88	1,725	4,654
TAYLOR MORRISON HOME CORP	20.78	52	1,244	1,070
TEAM INC	23.10	118	1,970	2,717
TECH DATA CORP	82.12	48	3,750	3,912
TEGNA INC	10.85	278	4,030	3,019
TERADATA CORP	40.15	23	721	912
TESARO INC	44.47	23	1,830	1,032
TIER REIT INC	23.78	54	1,260	1,289
TIMKEN CO/THE	43.55	60	2,654	2,593
TOPBUILD CORP	78.34	28	1,074	2,217
TRANSUNION	71.64	155	5,502	11,104
TREEHOUSE FOODS INC	52.51	22	1,362	1,160
TRI POINTE GROUP INC	16.36	174	2,342	2,842
TRINSEO SA	70.95	36	1,988	2,552
TTM TECHNOLOGIES INC	17.63	280	4,287	4,940

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2017-2018 ANNUAL INVESTMENT REPORT

Issuer	Price	Shares	Cost	Market Value
TYLER TECHNOLOGIES INC	222.10	33	5,892	7,329
ULTIMATE SOFTWARE GROUP INC/TH	257.31	25	5,922	6,433
UNION BANKSHARES CORP	38.88	30	1,099	1,147
UNITED COMMUNITY BANKS INC/GA	30.67	178	3,301	5,462
UNIVAR INC	26.24	55	1,420	1,435
UNIVEST CORP OF PENNSYLVANIA	27.50	44	1,269	1,213
US SILICA HOLDINGS INC	-	-	-	-
VARONIS SYSTEMS INC	74.50	35	1,760	2,593
VIEWRAY INC	6.92	165	1,240	1,139
VIRTUSA CORP	48.68	49	1,382	2,393
WABASH NATIONAL CORP	18.66	99	2,084	1,846
WAGeworks INC	50.00	4	220	220
WEIGHT WATCHERS INTERNATIONAL	101.10	14	1,295	1,365
WERNER ENTERPRISES INC	37.55	68	2,492	2,564
WESTAMERICA BANCORPORATION	56.51	38	1,875	2,165
WESTERN ALLIANCE BANCORP	56.61	65	1,102	3,706
WESTERN NEW ENGLAND BANCORP IN	11.00	84	891	928
WEX INC	190.48	32	3,284	6,095
WILDHORSE RESOURCE DEVELOPMENT	25.36	87	2,263	2,201
WISDOMTREE INVESTMENTS INC	9.08	798	9,424	7,243
WNS HOLDINGS LTD	52.18	38	750	1,978
WOLVERINE WORLD WIDE INC	34.77	88	2,219	3,074
US Equity		29,550	\$ 797,147	\$ 965,288
US Equity Receivable				841
Total US Equity			\$	966,129
Total Equity Holdings			\$	9,917,061

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APPENDIX F: INFRASTRUCTURE^{1,2}

Issuer	Price	Shares	Cost	Market Value
Infrastructure				
AEROPORTS DE PARIS	\$ 226.15	21	\$ 4,181	\$ 4,684
AMEREN CORP	60.85	175	10,095	10,640
AMERICAN TOWER CORP	144.17	290	36,556	41,784
AMERICAN WATER WORKS CO INC	85.38	215	17,479	18,378
APA GROUP	7.28	709	5,176	5,159
ATLAS ARTERIA LTD	4.75	2,063	9,430	9,803
AUCKLAND INTERNATIONAL AIRPORT	4.59	609	2,932	2,796
BEIJING ENTERPRISES HOLDINGS L	4.87	530	2,995	2,579
CELLNEX TELECOM SA	25.22	518	13,286	13,073
CHENIERE ENERGY INC	65.19	302	15,235	19,715
CONSOLIDATED EDISON INC	77.98	163	13,069	12,723
CORP AMERICA AIRPORTS SA	8.44	176	2,989	1,484
CROWN CASTLE INTERNATIONAL COR	107.82	367	37,752	39,523
EDISON INTERNATIONAL	63.27	210	15,432	13,278
ENBRIDGE ENERGY MANAGEMENT LLC	10.26	184	2,153	1,890
ENBRIDGE INC	35.73	1,368	49,644	48,878
ENN ENERGY HOLDINGS LTD	9.83	503	2,830	4,944
EUTELSAT COMMUNICATIONS SA	20.74	417	9,442	8,655
EVERGY INC	56.15	188	10,163	10,539
FERROVIAL SA	20.52	1,201	25,620	24,642
GETLINK	13.71	843	10,133	11,567
HONG KONG & CHINA GAS CO LTD	1.91	8,695	14,965	16,646
INFRAESTRUCTURA ENERGETICA NOV	4.51	800	3,749	3,606
JAPAN AIRPORT TERMINAL CO LTD	46.86	251	9,950	11,770
KEYERA CORP	27.81	538	15,271	14,959
KINDER MORGAN INC/DE	17.67	1,381	24,540	24,401
KONINKLIJKE VOPAK NV	46.20	118	5,451	5,457
NATIONAL GRID PLC	11.07	2,153	29,145	23,830
NISOURCE INC	26.28	724	18,129	19,017
ONEOK INC	69.83	260	14,319	18,149
PG&E CORP	42.56	320	18,912	13,608
RED ELECTRICA CORP SA	20.36	252	5,239	5,129
SEMPRA ENERGY	116.11	181	20,323	21,070
SEVERN TRENT PLC	26.13	511	15,439	13,342
SJW GROUP	66.22	16	978	1,064
SNAM SPA	4.18	177	816	738
SYDNEY AIRPORT	5.29	1,763	9,356	9,326
TARGA RESOURCES CORP	49.49	138	6,380	6,834
TERNA RETE ELETTRICA NAZIONALE	5.41	834	4,911	4,512
TOKYO GAS CO LTD	26.55	163	4,037	4,336
TRANSCANADA CORP	43.24	862	39,664	37,267
UNITED UTILITIES GROUP PLC	10.08	1,027	12,765	10,349
VINCI SA	96.16	242	21,379	23,269
Infrastructure Total		32,457	\$ 592,313	\$ 595,414
Infrastructure Receivable				3,354
Total Infrastructure			\$	598,767

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APPENDIX G: PUBLIC REAL ESTATE^{1,2}

Issuer	Base Price	Shares	Cost	Market Value
Real Estate (Public)				
ALEXANDRIA REAL ESTATE EQUITIE	\$ 126.17	181	\$ 21,170	\$ 22,780
AMERICAN HOMES 4 RENT	22.18	919	19,447	20,379
AMERICOLD REALTY TRUST	22.02	266	4,451	5,863
AVALONBAY COMMUNITIES INC	171.89	233	41,507	40,046
BOSTON PROPERTIES INC	125.42	253	30,941	31,727
BRANDYWINE REALTY TRUST	16.88	354	5,707	5,984
CAMDEN PROPERTY TRUST	91.13	236	20,916	21,495
CHESAPEAKE LODGING TRUST	31.64	221	5,510	7,006
COLUMBIA PROPERTY TRUST INC	22.71	58	1,268	1,320
COUSINS PROPERTIES INC	9.69	763	6,925	7,389
CUBESMART	32.22	731	19,036	23,537
CYRUSONE INC	58.36	323	16,880	18,862
DCT INDUSTRIAL TRUST INC	66.73	201	11,799	13,394
DDR CORP	-	-	-	-
DUKE REALTY CORP	29.03	499	13,463	14,499
EASTERLY GOVERNMENT PROPERTIES	19.76	106	2,042	2,097
EQUINIX INC	429.89	106	43,024	45,727
ESSEX PROPERTY TRUST INC	239.07	22	5,345	5,240
EXTRA SPACE STORAGE INC	99.81	123	10,428	12,273
FEDERAL REALTY INVESTMENT TRUS	126.55	30	3,529	3,817
FOREST CITY REALTY TRUST INC	22.81	449	10,150	10,243
GGP INC	20.43	563	13,118	11,494
HCP INC	25.82	682	20,586	17,609
HEALTHCARE TRUST OF AMERICA IN	26.96	808	23,979	21,776
HIGHWOODS PROPERTIES INC	50.73	342	16,572	17,343
HILTON WORLDWIDE HOLDINGS INC	79.16	111	7,009	8,757
HUDSON PACIFIC PROPERTIES INC	35.43	242	7,867	8,557
INVITATION HOMES INC	23.06	611	12,744	14,097
IRON MOUNTAIN INC	35.01	517	19,441	18,088
JBG SMITH PROPERTIES	36.47	55	1,989	1,988
KILROY REALTY CORP	75.64	298	20,697	22,553
KIMCO REALTY CORP	16.99	471	9,706	8,006
LIBERTY PROPERTY TRUST	44.33	242	10,084	10,732
MACERICH CO/THE	56.83	97	5,548	5,524
MACK-CALI REALTY CORP	20.28	595	14,687	12,073
MID-AMERICA APARTMENT COMMUNIT	100.67	107	9,977	10,819
PARAMOUNT GROUP INC	15.40	314	4,829	4,841
PARK HOTELS & RESORTS INC	30.63	583	16,763	17,864
PROLOGIS INC	65.69	551	30,485	36,223
PUBLIC STORAGE	226.86	56	12,557	12,782
QTS REALTY TRUST INC	39.50	35	1,880	1,369
REALTY INCOME CORP	53.79	97	5,431	5,203
REGENCY CENTERS CORP	62.08	350	22,550	21,746
SIMON PROPERTY GROUP INC	170.19	324	56,008	55,176
STAG INDUSTRIAL INC	27.23	319	8,081	8,699
STORE CAPITAL CORP	27.40	290	7,331	7,935
SUN COMMUNITIES INC	97.88	189	16,669	18,541
SUNSTONE HOTEL INVESTORS INC	16.62	975	14,536	16,202
TAUBMAN CENTERS INC	58.76	49	2,659	2,899
UDR INC	37.54	447	16,394	16,792
URBAN EDGE PROPERTIES	22.87	137	3,394	3,131
VENTAS INC	56.95	448	22,905	25,518
VEREIT INC	7.44	2,564	20,450	19,079
VICI PROPERTIES INC	20.64	388	7,711	8,007
WEINGARTEN REALTY INVESTORS	30.81	287	9,208	8,850
Real Estate (Public)		20,220	\$ 767,379	\$ 793,951
Real Estate (Public) Receivable				3,832
Total Public Real Estate				\$ 797,783

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APPENDIX H: ALTERNATIVE INVESTMENTS^{1,2}

Issuer	Base Price	Shares	Cost	Market Value
HF (Non PA)				
BLACKSTONE SAF II LP	\$ 0.89	89,227	\$ 89,227	\$ 79,741
GCM - LOW BETA HF	1.00	2,196	2,196	2,196
GCM - MIXED CRED HF	1.00	8,520	8,520	8,520
GS - LOW BETA HF	1.00	5,818	5,818	5,818
GSO - MIXED CRED HF	1.00	43,767	43,767	43,767
MS-LOW BETA HF NIB	1.00	54,739	54,739	54,739
RESERVOIR STRATEGIC PARTNERS	1.09	32,011	32,907	34,952
HF (Non PA)		236,277	\$ 237,173	\$ 229,733
Portable Alpha HF				
BRIDGEWATER PURE ALPHA MAJOR	\$ 1,905.08	61	\$ 110,577	\$ 116,988
DE SHAW LOW BETA	2.58	220,853	274,683	568,884
LIGHTHOUSE LOW BETA	1.00	1,199,173	1,199,173	1,199,173
MAN ALT BETA STRATEGIES	1,194.80	179	200,000	213,956
PURE ALPHA FUND II SERIES CXLI	3,962.87	119	405,954	472,098
WELLINGTON ALT BETA	10.36	30,008	300,074	310,878
Portable Alpha HF		1,450,394	\$ 2,490,461	\$ 2,881,978
Private Debt				
ANGELO GORDON	\$ 1.00	102	\$ -	\$ 102
APO - PRIVATE DEBT	1.00	292,425	292,425	292,425
ARES JASPER FUND	1.00	208,484	200,000	208,484
AVENUE CAPITAL US FUNDS	1.00	8,994	-	8,994
AVENUE EUROPE SPECIAL	1.00	13,881	-	13,881
CRESCENT MEZZANINE V LP	1.00	6,621	9,718	6,621
CRESCENT MEZZANINE VI	1.00	49,167	55,754	49,167
DE SHAW DIRECT CAPITAL FUND	1.00	8,389	-	8,389
GATEWAY ENERGY & RESOURCES	1.00	12,640	30,000	12,640
GS - PRIVATE DEBT	1.00	94,050	94,050	94,050
GS MEZZANINE PTNR(S) V LP	1.00	1,472	-	1,472
GSO - PRIVATE DEBT	1.00	597,130	597,130	597,130
HIGHBRIDGE SANDLAPPER CREDIT	1.00	107,120	103,122	107,120
KKR LENDING PARTNERS II LP	1.00	73,662	81,449	73,662
KKR SPECIAL SIT US FUND II LP	1.00	85,046	78,161	85,046
MS-PRIVATE DEBT NIB	1.00	6,188	6,188	6,188
NORTHSTAR MEZZANINE PTNR V LP	1.00	17,026	18,411	17,026
OWL ROCK CAPITAL 2	1.00	68,720	69,566	68,720
PEARLS 12 LP	1.00	39,466	38,364	39,466
SANKATY CREDIT OPP FUND V-A LP	1.00	38,337	34,807	38,337
SANKATY CREDIT OPP IV	1.00	30,046	13,967	30,046
SELENE II	1.00	63,162	25,274	63,162
SJC ONSHORE DIRECT LENDING	1.00	16,375	17,279	16,375
WL ROSS- WHOLE LOANS (PIPP)	1.00	9,210	12,513	9,210
Private Debt		1,847,712	\$ 1,778,179	\$ 1,847,712
Private Equity				

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Issuer	Base Price	Shares	Cost	Market Value
ADVENT INTERNATIONAL GPE VII-C	\$ 1.00	48,156	\$ 32,535	\$ 48,156
APAX EUROPE VII-B LP	1.17	7,262	30,471	8,479
APAX EUROPE VIII-B LP	1.00	78,525	54,167	78,525
APO - PRIVATE EQUITY	1.00	482,797	482,797	482,797
APOLLO ATHORA	1.00	13,778	13,778	13,778
AQUILINE FINANCIAL SERVICES	1.00	131,467	126,636	131,467
AZALEA FUND III LP	1.00	4,086	12,131	4,086
AZALEA FUND IV LP	1.00	8,594	8,456	8,594
BC EUROPEAN CAPITAL IX	1.17	22,161	22,054	25,874
BRIDGEPOINT EUROPE IV A	1.17	31,649	30,043	36,952
BRIDGEPOINT EUROPE V LP	1.17	52,982	56,257	61,860
BROOKFIELD CAP PTNRS IV LP	1.00	118,457	80,631	118,457
CAROUSEL CAPITAL PARTNERS 3 LP	1.00	56	3,722	56
CAROUSEL CAPITAL PARTNERS IV	1.00	28,555	9,840	28,555
CLAYTON DUBILIER & RICE VIII	1.00	20,458	17,418	20,458
CRESTVIEW CAPITAL PARTNERS LP	1.00	71,129	51,129	71,129
CRESTVIEW PARTNERS III LP	1.00	31,088	27,310	31,088
CVE ENDOWMENT FUND I LP	1.00	44,812	2,541	44,812
CVE ENDOWMENT FUND II LP	1.00	79,205	35,194	79,205
DIGITAL COLONY I	1.00	(396)	-	(396)
FRANCISCO PARTNERS V LP	1.00	7,000	7,000	7,000
GREEN EQUITY INVESTORS VI LP	1.00	37,171	28,871	37,171
GS - PRIVATE EQUITY	1.00	28,208	28,208	28,208
INDUSTRY VENTURE V LP	1.00	29,804	9,807	29,804
INDUSTRY VENTURES VI	1.00	18,671	19,235	18,671
INDUSTRY VENTURES VII LP	1.00	35,475	30,976	35,475
LEXINGTON CAPITAL PTNRS VII	1.00	33,015	41,285	33,015
LEXINGTON MMI II LP	1.00	21,356	24,288	21,356
MS-PRIVATE EQ NIB	1.00	181,702	181,702	181,702
NB SECONDARY OPPORTUNITIES	1.00	7,457	-	7,457
OAKTREE EUROPEAN PRIN OPPT III	1.17	30,511	14,826	35,623
PACIFIC EQUITY PARTNERS V	0.74	53,786	32,720	39,740
PANTHEON EUROPE FUND V'A'L P	1.17	15,066	9,646	17,591
PANTHEON USA FUND VII LP	1.00	63,762	48,054	63,762
PAUL CAPITAL PARTNERS IX LP	1.00	27,664	43,210	27,664
RESERVOIR CAPITAL PARTNERS	1.00	49,167	36,036	49,167
SQUARE 1 VENTURE MGMT 1 LP	1.00	288	7	288
SQUARE 1 VENTURES LP	1.00	22,206	25,375	22,206
VENTURE INVESTMENT MANAGERS LP	1.00	59,437	33,799	59,437
WARBURG PINCUS PRIVATE EQUITY	1.00	92,061	54,798	92,061
WELSH CARSON AND & STOWE XI	1.00	25,925	24,886	25,925
WLR - PRIVATE EQUITY	1.00	202,245	202,245	202,245
Private Equity		2,316,799	\$ 1,994,083	\$ 2,329,499
Private Real Estate				
APO - REAL ESTATE	\$ 1.00	39,936	\$ 39,936	\$ 39,936
BLACKSTONE PROPERTY PARTNERS	1.00	372,154	329,484	372,154

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RETIREMENT SYSTEM INVESTMENT COMMISSION

Issuer	Base Price	Shares	Cost	Market Value
BLACKSTONE RE PARTNERS VII LP	1.00	115,605	76,049	115,605
BROOKFIELD RE FIN FD IV LP	1.00	13,732	16,384	13,732
BROOKFIELD RE FIN FD V LP	1.00	22,437	23,213	22,437
BROOKFIELD REAL ESTATE FINANCE	1.00	171	8,458	171
BROOKFIELD STRATEGIC RE	1.00	78,592	44,829	78,592
BROOKFIELD STRATEGIC RE II	1.00	56,875	47,752	56,875
CONAGREE PARTNERS FUND II LP	1.00	28,805	24,786	28,805
CRLYLE REALTY PARTNERS VI LP	1.00	18,138	20,882	18,138
CROW HLDGS REALTY PTNRS VII LP	1.00	79,395	73,207	79,395
GREYSTAR EQUITY PARTNERS IX	1.00	96,101	96,483	96,101
GS - REAL ESTATE	1.00	621	621	621
HEITMAN CORE RE CREDIT	1.00	23,114	22,612	23,114
LONE STAR REAL ESTATE FUND II	1.00	2,882	1,073	2,882
MORGAN STANLEY PRIME PROPERTY	1.00	465,127	430,673	465,127
MS-REAL ESTATE NIB	1.00	62,650	62,650	62,650
OAKTREE REAL ESTATE	1.00	56,115	15,756	56,115
OCH-ZIFF RE FUND II	1.00	13,824	14,853	13,824
PEMBROOK	1.00	0	6,433	0
TA REALTY - SC LP	1.00	132,158	124,623	132,158
THE REALTY ASSOCIATES FUND X	1.00	47,165	38,847	47,165
TORCHLIGHT DEBT IV	1.00	45,512	44,802	45,512
TORCHLIGHT DEBT OPP FD V LLC	1.00	67,817	60,000	67,817
TORCHLIGHT DEBT OPP FUND III	1.00	657	418	657
US REIF COLUMBIA	1.00	417	3,186	417
WLR - REAL ESTATE	1.00	38,663	38,663	38,663
Private Real Estate		1,878,663	\$ 1,666,673	\$ 1,878,663
Total Alternative Investments		7,729,845	\$ 8,166,569	\$ 9,167,585

Issuer	Base Price	Shares	Cost	Market Value
GTAA				
MORGAN STANLEY GTAAN	\$ 0.98	800,000	\$ 800,000	\$ 780,509
PINEBRIDGE GTAAN	0.98	750,000	750,000	735,935
STANDARD LIFE GTAAN	0.97	800,000	800,000	778,526
Total GTAA		2,350,000	\$ 2,350,000	\$ 2,294,970

Issuer	Base Price	Shares	Cost	Market Value
Other Opportunistic				
BRIDGEWATER ALL WEATHER	\$ 1,834.34	342	\$ 341,250	\$ 628,056
ENTRUST GTAA	1.00	169,904	169,904	169,904
WLR OTHER OPPORTUNISTIC	1.00	39,329	39,329	39,329
Total Other Opportunistic		209,575	\$ 550,483	\$ 837,289

¹ Appendices A-J were created using data as of June 30, 2018, that was provided by the Custodian. All figures are in U.S. Dollars.

² Amounts expressed in thousands and thus may not add up to totals due to rounding.

APPENDIX I: FUTURES^{1,2}

Futures Product	Net Contract		Currency	Settle Price	Futures Multiplier	Local Currency	US Dollar	Notional Exposure
	Position	Maturity						
Core Fixed Income								
US 10YR NOTE FUTURE (CBT)	\$ 1,924.00	EXP SEP 18	USD	\$ 120	1000	1.00	1.00	\$ 231,241
US 2YR TREAS NTS FUT (CBT)	2,962.00	EXP SEP 18	USD	106	2000	1.00	1.00	627,435
US 5YR TREAS NTS FUTURE (CBT)	3,866.00	EXP SEP 18	USD	114	1000	1.00	1.00	439,244
Core Fixed Income Total								\$ 1,297,920
Developed International Equity								
AMSTERDAM INDEX FUTURE (EOE)	\$ 146.00	EXP JUL 18	EUR	\$ 552	200	0.86	1.17	\$ 18,805
CAC40 10 EURO FUTURE (EOP)	908.00	EXP JUL 18	EUR	5,321	10	0.86	1.17	56,405
DAX INDEX FUTURE (EUX)	131.00	EXP SEP 18	EUR	12,309	25	0.86	1.17	47,064
EURO STOXX 50 FUTURE (EUX)	1,291.00	EXP SEP 18	EUR	3,391	10	0.86	1.17	51,113
FTSE 100 INDEX FUTURE (ICF)	845.00	EXP SEP 18	GBP	7,602	10	0.76	1.32	84,803
FTSE/MIB INDEX FUTURE (MIL)	110.00	EXP SEP 18	EUR	21,568	5	0.86	1.17	13,850
HANG SENG INDEX FUTURE (HKG)	112.00	EXP JUL 18	HKD	28,726	50	7.85	0.13	20,504
IBEX 35 INDEX FUTURE (MFM)	136.00	EXP JUL 18	EUR	9,602	10	0.86	1.17	15,246
OMXS30 IND FUTURE (SSE)	703.00	EXP JUL 18	SEK	1,561	100	8.95	0.11	12,267
S&P/TSX 60 INDEX FUTURE (MSE)	310.00	EXP SEP 18	CAD	963	200	1.32	0.76	45,402
SPI 200 FUTURE (SFE)	298.00	EXP SEP 18	AUD	6,148	25	1.35	0.74	33,841
TOPIX INDEX FUTURE (OSE)	750.00	EXP SEP 18	JPY	1,731	10000	110.76	0.01	117,174
Developed International Equity Total								\$ 516,475
US Equity								
S & P 500 EMINI INDEX FUT (CME)	\$ 14,628.00	EXP SEP 18	USD	\$ 2,722	50	1.00	1.00	\$ 1,990,578
US Equity Total								\$ 1,990,578
Grand Total								\$ 3,804,973

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APPENDIX J: SWAPS & OPTIONS^{1,2}

Asset Class	Finance Notional	Current Notional	Unrealized G/L Since Trade
Core Fixed Income			
Barclays			
Barclays US Agg Proxy	\$ 999,197	\$ 999,197	(13,487)
Barclays US Corporate Proxy	98,452	98,452	(3,571)
Barclays US Securitized Proxy	129,574	129,574	(2,273)
Core Fixed Income Total	\$ 1,227,224	\$ 1,227,224	(19,331)
Public Global Equity			
Goldman Sachs			
MSCI World Swap Proxy	\$ 541,492	\$ 544,626	(30,972)
Morgan Stanley			
Custom Put Write Strategy SoCar	-	409,930	
Public Global Equity Total	\$ 541,492	\$ 954,556	(30,972)
US Equity			
Bank of America			
Russell 2000 Proxy	\$ (273,449)	\$ (273,449)	(18,326)
Goldman Sachs			
Russell 2500 Growth Proxy	141,914	138,530	11,900
JPMorgan			
Russell 2000 Proxy	(72,662)	(77,625)	(4,692)
US Equity Total	\$ (204,197)	\$ (212,544)	(11,117)
Grand Total	\$ 1,564,520	\$ 1,969,237	(61,419)

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