

EATON VANCE SENIOR FLOATING RATE TRUST
Form N-CSR
December 27, 2013

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Form N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES
Investment Company Act File Number: 811-21411

Eaton Vance Senior Floating-Rate Trust
(Exact Name of Registrant as Specified in Charter)

Two International Place, Boston, Massachusetts 02110
(Address of Principal Executive Offices)

Maureen A. Gemma

Two International Place, Boston, Massachusetts 02110

(Name and Address of Agent for Services)

(617) 482-8260

(Registrant's Telephone Number)

October 31

Date of Fiscal Year End

October 31, 2013

Date of Reporting Period

Item 1. Reports to Stockholders

Eaton Vance

Senior Floating-Rate Trust (EFR)

Annual Report

October 31, 2013

Commodity Futures Trading Commission Registration. Effective December 31, 2012, the Commodity Futures Trading Commission (CFTC) adopted certain regulatory changes that subject registered investment companies and advisers to regulation by the CFTC if a fund invests more than a prescribed level of its assets in certain CFTC-regulated instruments (including futures, certain options and swap agreements) or markets itself as providing investment exposure to such instruments. The Fund has claimed an exclusion from the definition of the term commodity pool operator under the Commodity Exchange Act and is not subject to the CFTC regulation. Because of its management of other strategies, the Fund s adviser is registered with the CFTC as a commodity pool operator and a commodity trading advisor.

Fund shares are not insured by the FDIC and are not deposits or other obligations of, or guaranteed by, any depository institution. Shares are subject to investment risks, including possible loss of principal invested.

Annual Report October 31, 2013

Eaton Vance

Senior Floating-Rate Trust

Table of Contents

| | |
|---|----|
| Management's Discussion of Fund Performance | 2 |
| Performance | 3 |
| Fund Profile | 4 |
| Endnotes and Additional Disclosures | 5 |
| Financial Statements | 6 |
| Report of Independent Registered Public Accounting Firm | 42 |
| Federal Tax Information | 43 |
| Annual Meeting of Shareholders | 44 |
| Dividend Reinvestment Plan | 45 |
| Management and Organization | 47 |
| Important Notices | 49 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Management's Discussion of Fund Performance

Economic and Market Conditions

Interest rates fell during the first six months of the fiscal year ended October 31, 2013, driven by highly accommodative monetary policies instituted by central banks around the world. In late 2012, the U.S. Federal Reserve (the Fed) augmented its soon-to-expire Operation Twist, the central bank's swapping of its short-term holdings for long-term Treasury bonds, with outright purchases of \$45 billion of Treasuries each month. This was in addition to the monthly purchase of approximately \$40 billion of agency mortgage-backed securities that it had begun in September 2012. These actions combined to put continuing downward pressure on long-term bond yields.

In late May 2013, however, Fed Chairman Ben Bernanke surprised the markets by indicating that the Fed's \$85 billion in monthly asset purchases, known collectively as quantitative easing (QE), could be tapered sooner than most investors had expected. The negative effect on the bond market was swift and dramatic. Investors rushed to sell fixed-income assets in anticipation of rising interest rates, causing nearly every fixed-income asset class to decline in value.

The Fed subsequently tried to temper its comments and calm the markets, which moderated the outflows in most fixed-income asset classes. Bonds rallied in September 2013 after the Fed surprised the markets again by postponing the tapering of QE that many investors had thought was imminent. But as the mid-October deadline for Congress to increase the nation's debt ceiling approached without an agreement, Treasury rates rose briefly, as investors worried that U.S. sovereign debt could go into default, and then settled back after legislators approved an extension.

In contrast with the interest-rate volatility experienced during the 12 months ended October 31, 2013, economic factors affecting U.S. credit markets were generally positive throughout the period: unemployment declined, corporate cash flows remained strong and the housing market appeared to have finally turned the corner toward recovery.

Against this backdrop, the Barclays U.S. Aggregate Bond Index², a broad measure of the U.S. investment-grade bond market, declined 1.08% for the 12-month period as the adverse effect of rising bond yields more than offset an improving credit environment. Performance varied among various fixed-income sectors. In general, longer-maturity issues, being more sensitive to rising interest rates and the

fact that long-term rates rose more than short-term rates, performed worse than shorter-maturity issues. And amid a modest economic recovery, relatively strong corporate cash flows and an accommodative Fed that seemed to encourage investors to take on more risk, lower credit quality bonds generally outperformed higher-quality issues.

The U.S. floating-rate loan market generated solid results for the 12-month period ended October 31, 2013, as measured by the 5.43% return of the S&P/LSTA Leveraged Loan Index (the Index), a broad barometer of the asset class. The default rate in the market increased during the fiscal year but remained well below longer-term averages, ending October 31, 2013 at 2.31% by principal amount on a last-12-months basis, according to S&P/Leveraged Commentary & Data.

Fund Performance

For the fiscal year ended October 31, 2013, Eaton Vance Senior Floating-Rate Trust (the Fund) at net asset value (NAV) had a total return of 7.98%. By comparison, the Fund's benchmark, the Index, gained 5.43% during the period.

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Exposure to high-yield bonds and the employment of investment leverage⁶, bolstered results relative to the Index. High-yield bonds outperformed loans, while leverage amplified the positive returns of the Fund's underlying assets. By comparison, the Index does not include high-yield bonds and is unlevered.

The Fund's quality positioning served as a headwind during the year. Across rating tiers, loans rated BB, B and CCC within the Index earned total returns of 4.05%, 5.33% and 12.51%, respectively. The Fund's underweighting to segments rated CCC and B, and relative overweight to loans rated BB, detracted from the Fund's performance relative to the Index for the year.

In addition, a modest exposure to the European leveraged loan market contributed to relative performance versus the Index.

In terms of industry selection, underweight exposure to the utilities sector which trailed the overall market was the biggest contributor to results relative to the Index. In contrast, underweight exposure to the radio & television sector detracted from relative performance versus the Index, as this sector outpaced the overall market.

See Endnotes and Additional Disclosures in this report.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value (NAV) or market price (as applicable) with all distributions reinvested and includes management fees and other expenses. Fund performance at market price will differ from its results at NAV due to factors such as changing perceptions about the Fund, market conditions, fluctuations in supply and demand for Fund shares, or changes in Fund distributions. Investment return and principal value will fluctuate so that shares, when sold, may be worth more or less than their original cost. Performance less than one year is cumulative. Performance is for the stated time period only; due to market volatility, current Fund performance may be lower or higher than the quoted return. For performance as of the most recent month end, please refer to www.eatonvance.com.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Performance^{2,3}**Portfolio Managers** Scott H. Page, CFA, Craig P. Russ and Peter M. Campo, CFA

| % Average Annual Total Returns | Inception Date | One Year | Five Years | Since Inception |
|---------------------------------------|-----------------------|-----------------|-------------------|------------------------|
| Fund at NAV | 11/28/2003 | 7.98% | 17.51% | 5.74% |
| Fund at Market Price | | 3.79 | 19.20 | 5.73 |
| S&P/LSTA Leveraged Loan Index | | 5.43% | 11.47% | 5.27% |

| | |
|--|-------|
| % Premium/Discount to NAV⁴ | 0.06% |
|--|-------|

Distributions⁵

| | |
|--|----------|
| Total Distributions per share for the period | \$ 1.038 |
| Distribution Rate at NAV | 6.07% |
| Distribution Rate at Market Price | 6.08% |

% Total Leverage⁶

| | |
|--------------------------------|--------|
| Auction Preferred Shares (APS) | 14.21% |
| Borrowings | 22.73 |

See Endnotes and Additional Disclosures in this report.

Past performance is no guarantee of future results. Returns are historical and are calculated by determining the percentage change in net asset value (NAV) or market price (as applicable) with all distributions reinvested and includes management fees and other expenses. Fund performance at market price will differ from its results at NAV due to factors such as changing perceptions about the Fund, market conditions, fluctuations in supply and demand for Fund shares, or changes in Fund distributions. Investment return and principal value will fluctuate so that shares, when sold, may be worth more or less than their original cost. Performance less than one year is cumulative. Performance is for the stated time period only; due to market volatility, current Fund performance may be lower or higher than the quoted return. For performance as of the most recent month end, please refer to www.eatonvance.com.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Fund Profile

Top 10 Issuers (% of total investments)⁷

| | |
|---|------|
| Alliance Boots Holdings Limited | 1.1% |
| Dell Inc. | 1.1 |
| Intelsat Jackson Holdings S.A. | 1.1 |
| Asurion LLC | 1.0 |
| Valeant Pharmaceuticals International, Inc. | 1.0 |
| H.J. Heinz Company | 0.9 |
| Calpine Corp. (corporate bond) | 0.9 |
| Hilton Worldwide Finance, LLC | 0.9 |
| Aramark Corporation | 0.9 |
| MEG Energy Corp. | 0.8 |
| Total | 9.7% |

Credit Quality (% of loan holdings)⁸

Top 10 Sectors (% of total investments)⁷

| | |
|----------------------------------|-------|
| Health Care | 9.4% |
| Business Equipment and Services | 8.5 |
| Electronics/Electrical | 7.8 |
| Retailers (Except Food and Drug) | 4.8 |
| Chemicals and Plastics | 4.4 |
| Financial Intermediaries | 4.4 |
| Telecommunications | 4.2 |
| Food Products | 4.0 |
| Leisure Goods/Activities/Movies | 3.9 |
| Food Service | 3.8 |
| Total | 55.2% |

See Endnotes and Additional Disclosures in this report.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Endnotes and Additional Disclosures

- ¹ The views expressed in this report are those of the portfolio manager(s) and are current only through the date stated at the top of this page. These views are subject to change at any time based upon market or other conditions, and Eaton Vance and the Fund(s) disclaim any responsibility to update such views. These views may not be relied upon as investment advice and, because investment decisions are based on many factors, may not be relied upon as an indication of trading intent on behalf of any Eaton Vance fund. This commentary may contain statements that are not historical facts, referred to as forward looking statements. The Fund's actual future results may differ significantly from those stated in any forward looking statement, depending on factors such as changes in securities or financial markets or general economic conditions, the volume of sales and purchases of Fund shares, the continuation of investment advisory, administrative and service contracts, and other risks discussed from time to time in the Fund's filings with the Securities and Exchange Commission.
- ² Barclays U.S. Aggregate Bond Index is an unmanaged index of domestic investment-grade bonds, including corporate, government and mortgage-backed securities. S&P/LSTA Leveraged Loan Index is an unmanaged index of the institutional leveraged loan market. Unless otherwise stated, index returns do not reflect the effect of any applicable sales charges, commissions, expenses, taxes or leverage, as applicable. It is not possible to invest directly in an index.
- ³ Performance results reflect the effects of leverage. The Fund's performance for certain periods reflect the effects of expense reductions. Absent these reductions, performance would have been lower. Performance since inception for an index, if presented, is the performance since the Fund's or oldest share class' inception, as applicable.
- ⁴ The shares of the Fund often trade at a discount or premium from their net asset value. The discount or premium of the Fund may vary over time and may be higher or lower than what is quoted in this report. For up-to-date premium/discount information, please refer to <http://eatonvance.com/closedend>.
- ⁵ The Distribution Rate is based on the Fund's last regular distribution per share in the period (annualized) divided by the Fund's NAV or market price at the end of the period. The Fund's distributions may be comprised of amounts characterized for federal income tax purposes as qualified and non-qualified ordinary dividends, capital gains distributions and nondividend distributions, also known as return of capital. For additional information about nondividend distributions, please refer to Eaton Vance Closed-End Fund Distribution Notices (19a) posted on our website, eatonvance.com. The Fund will determine the federal income tax character of distributions paid to a shareholder after the end of the calendar year. This is reported on the IRS form 1099-DIV and provided to the shareholder shortly after each year-end. The Fund's distributions are determined by the investment adviser based on its current assessment of the Fund's long-term return potential. As portfolio and market conditions change, the rate of distributions paid by the Fund could change.
- ⁶ Leverage represents the liquidation value of the Fund's APS and borrowings outstanding as a percentage of Fund net assets applicable to common shares plus APS and borrowings outstanding. Use of leverage creates an opportunity for income, but creates risks including greater price volatility. The cost of leverage rises and falls with changes in short-term interest rates. The Fund may be required to maintain prescribed asset coverage for its leverage and may be required to reduce its leverage at an inopportune time.
- ⁷ Excludes cash and cash equivalents.
- ⁸ Ratings are based on Moody's, S&P or Fitch, as applicable. Ratings, which are subject to change, apply to the creditworthiness of the issuers of the underlying securities and not to the Fund or its shares. Credit ratings measure the quality of a bond based on the issuer's creditworthiness, with ratings ranging from AAA, being the highest, to D, being the lowest based on S&P's measures. Ratings of BBB or higher by Standard and Poor's or Fitch (Baa or higher by Moody's) are considered to be investment grade quality. Credit ratings are based largely on the rating agency's analysis at the time of rating. The rating assigned to any

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particular security is not necessarily a reflection of the issuer's current financial condition and does not necessarily reflect its assessment of the volatility of a security's market value or of the liquidity of an investment in the security. If securities are rated differently by the rating agencies, the higher rating is applied. Holdings designated as "Not Rated" are not rated by the national rating agencies stated above.

Fund profile subject to change due to active management.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments

Senior Floating-Rate Interests 141.5%

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Aerospace and Defense 2.4% | | |
| Atlantic Aviation FBO Inc. Term Loan, 3.25%, Maturing June 1, 2020 | 449 | \$ 448,875 |
| Beechcraft Holdings, LLC Term Loan, 5.75%, Maturing February 14, 2020 | 800 | 808,667 |
| Booz Allen Hamilton Inc. Term Loan, 3.75%, Maturing July 31, 2019 | 817 | 817,868 |
| DAE Aviation Holdings, Inc. Term Loan, 6.25%, Maturing October 29, 2018 | 681 | 686,727 |
| Term Loan, 6.25%, Maturing November 2, 2018 | 309 | 311,316 |
| Ducommun Incorporated Term Loan, 5.00%, Maturing June 28, 2017 | 1,057 | 1,070,050 |
| IAP Worldwide Services, Inc. Term Loan, 10.00%, Maturing December 31, 2015 ⁽²⁾ | 1,640 | 779,078 |
| Sequa Corporation Term Loan, 5.25%, Maturing December 19, 2017 | 1,538 | 1,553,519 |
| Silver II US Holdings, LLC Term Loan, 4.00%, Maturing December 13, 2019 | 1,960 | 1,961,005 |
| TASC, Inc. Term Loan, 4.50%, Maturing December 18, 2015 | 667 | 640,940 |
| Transdigm, Inc. Term Loan, 3.75%, Maturing February 28, 2020 | 4,795 | 4,808,100 |
| | | \$ 13,886,145 |
| Air Transport 0.0% | | |
| Evergreen International Aviation, Inc. Term Loan, 5.00%, Maturing June 30, 2015 ⁽²⁾ | 92 | \$ 73,257 |
| | | \$ 73,257 |
| Automotive 5.0% | | |
| Affinia Group Intermediate Holdings Inc. Term Loan, 4.75%, Maturing April 27, 2020 | 1,546 | \$ 1,563,519 |
| Allison Transmission, Inc. Term Loan, 3.75%, Maturing August 23, 2019 | 2,842 | 2,865,195 |
| ASP HHI Acquisition Co., Inc. Term Loan, 5.00%, Maturing October 5, 2018 | 1,860 | 1,878,303 |

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| | | | |
|---|-----|--------------------------|----------------------|
| Chrysler Group LLC | | 4,950 | 5,000,881 |
| Term Loan, 4.25%, Maturing May 24, 2017 | | | |
| Federal-Mogul Corporation | | | |
| Term Loan, 2.12%, Maturing December 29, 2014 | | 2,059 | 2,041,509 |
| Term Loan, 2.12%, Maturing December 28, 2015 | | 2,993 | 2,966,988 |
| Goodyear Tire & Rubber Company (The) | | | |
| Term Loan - Second Lien, 4.75%, Maturing April 30, 2019 | | 6,650 | 6,722,738 |
| | | Principal Amount* | |
| Borrower/Tranche Description | | (000 s omitted) | Value |
| Automotive (continued) | | | |
| Metaldyne LLC | | | |
| Term Loan, 5.00%, Maturing December 18, 2018 | | 1,665 | \$ 1,678,434 |
| Schaeffler AG | | | |
| Term Loan, 4.25%, Maturing January 27, 2017 | | 775 | 780,905 |
| Tower Automotive Holdings USA, LLC | | | |
| Term Loan, 4.75%, Maturing April 23, 2020 | | 796 | 807,448 |
| Veyance Technologies, Inc. | | | |
| Term Loan, 5.25%, Maturing September 8, 2017 | | 2,886 | 2,875,883 |
| | | | \$ 29,181,803 |
| Beverage and Tobacco 0.6% | | | |
| Oak Leaf B.V. | | | |
| Term Loan, 4.50%, Maturing September 24, 2018 | EUR | 2,525 | \$ 3,460,457 |
| | | | \$ 3,460,457 |
| Building and Development 1.4% | | | |
| ABC Supply Co., Inc. | | | |
| Term Loan, 3.50%, Maturing April 16, 2020 | | 1,275 | \$ 1,278,630 |
| Armstrong World Industries, Inc. | | | |
| Term Loan, 3.50%, Maturing March 16, 2020 | | 547 | 549,387 |
| CPG International Inc. | | | |
| Term Loan, 4.75%, Maturing September 30, 2020 | | 625 | 625,781 |
| MCS AMS Sub-Holdings LLC | | | |
| Term Loan, 7.00%, Maturing October 15, 2019 | | 575 | 559,906 |
| Preferred Proppants, LLC | | | |
| Term Loan, Maturing December 15, 2016 ⁽⁴⁾ | | 714 | 485,605 |
| Quikrete Holdings, Inc. | | | |
| Term Loan, Maturing September 25, 2020 ⁽⁴⁾ | | 975 | 980,394 |
| RE/MAX International, Inc. | | | |
| Term Loan, 4.00%, Maturing July 31, 2020 | | 1,696 | 1,697,319 |
| Realogy Corporation | | | |
| Term Loan, 4.50%, Maturing March 5, 2020 | | 995 | 1,006,401 |
| Summit Materials Companies I, LLC | | | |
| Term Loan, 5.00%, Maturing January 30, 2019 | | 469 | 471,426 |
| WireCo WorldGroup, Inc. | | | |
| Term Loan, 6.00%, Maturing February 15, 2017 | | 619 | 622,617 |
| | | | \$ 8,277,466 |
| Business Equipment and Services 13.3% | | | |
| Acosta, Inc. | | | |
| Term Loan, 4.25%, Maturing March 2, 2018 | | 2,897 | \$ 2,910,976 |
| Advantage Sales & Marketing, Inc. | | | |
| Term Loan, 4.25%, Maturing December 18, 2017 | | 2,416 | 2,430,236 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|--------------|
| Business Equipment and Services (continued) | | |
| Allied Security Holdings, LLC Term Loan, 5.25%, Maturing February 3, 2017 | 561 | \$ 564,380 |
| Altegrity, Inc. Term Loan, 7.75%, Maturing February 20, 2015 | 692 | 687,025 |
| Term Loan, 5.00%, Maturing February 21, 2015 | 2,207 | 2,158,787 |
| Altisource Solutions S.a.r.l. Term Loan, 5.75%, Maturing November 27, 2019 | 1,242 | 1,251,834 |
| Audio Visual Services Group, Inc. Term Loan, 6.75%, Maturing November 9, 2018 | 1,064 | 1,082,874 |
| BakerCorp International, Inc. Term Loan, 4.25%, Maturing February 14, 2020 | 1,315 | 1,311,775 |
| BAR/BRI Review Courses, Inc. Term Loan, 5.25%, Maturing June 16, 2017 | 632 | 635,999 |
| Brand Energy & Infrastructure Services, Inc. Term Loan, 6.25%, Maturing October 23, 2018 | 158 | 158,792 |
| Term Loan, 6.25%, Maturing October 23, 2018 | 659 | 661,633 |
| Brickman Group Holdings Inc. Term Loan, 4.00%, Maturing September 28, 2018 | 793 | 798,972 |
| Brock Holdings III, Inc. Term Loan, 6.01%, Maturing March 16, 2017 | 1,069 | 1,072,729 |
| CCC Information Services, Inc. Term Loan, 4.00%, Maturing December 20, 2019 | 422 | 422,736 |
| Ceridian Corp. Term Loan, 4.42%, Maturing May 9, 2017 | 1,250 | 1,256,901 |
| ClientLogic Corporation Term Loan, 7.00%, Maturing January 30, 2017 | 1,567 | 1,566,702 |
| CPM Acquisition Corp. Term Loan, 6.25%, Maturing August 29, 2017 | 495 | 498,713 |
| Term Loan - Second Lien, 10.25%, Maturing March 1, 2018 | 1,000 | 1,007,500 |
| Crossmark Holdings, Inc. Term Loan, 4.50%, Maturing December 20, 2019 | 474 | 472,030 |
| Education Management LLC Term Loan, 8.25%, Maturing March 29, 2018 | 2,041 | 2,041,293 |
| EIG Investors Corp. Term Loan, 6.25%, Maturing November 11, 2019 | 1,985 | 1,996,579 |
| Term Loan - Second Lien, 10.25%, Maturing May 8, 2020 | 525 | 533,531 |
| Emdeon Business Services, LLC Term Loan, 3.75%, Maturing November 2, 2018 | 1,435 | 1,441,366 |
| Expert Global Solutions, Inc. Term Loan, 8.50%, Maturing April 3, 2018 | 1,899 | 1,927,804 |
| Genesys Telecom Holdings, U.S., Inc. Term Loan, 4.00%, Maturing February 7, 2020 | 590 | 588,855 |
| Borrower/Tranche Description | | Value |

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| | | Principal Amount* (000 s omitted) | |
|---|-----|---|--------------|
| Business Equipment and Services (continued) | | | |
| Genpact International, Inc. | | | |
| Term Loan, 3.50%, Maturing August 30, 2019 | | 1,588 | \$ 1,593,727 |
| IG Investment Holdings, LLC | | | |
| Term Loan, 6.00%, Maturing October 31, 2019 | | 1,119 | 1,128,514 |
| IMS Health Incorporated | | | |
| Term Loan, 3.75%, Maturing September 1, 2017 | | 1,970 | 1,982,789 |
| Information Resources, Inc. | | | |
| Term Loan, 4.75%, Maturing September 30, 2020 | | 1,200 | 1,208,000 |
| ION Trading Technologies S.a.r.l. | | | |
| Term Loan, 4.50%, Maturing May 22, 2020 | | 648 | 651,887 |
| Term Loan - Second Lien, 8.25%, Maturing May 21, 2021 | | 1,000 | 1,007,917 |
| ISS Holdings A/S | | | |
| Term Loan, 3.72%, Maturing April 30, 2015 | EUR | 246 | 337,755 |
| Term Loan, 4.22%, Maturing April 30, 2015 | EUR | 1,754 | 2,412,537 |
| Term Loan, 3.75%, Maturing April 30, 2018 | | 474 | 475,441 |
| Ista International GmbH | | | |
| Term Loan, 4.23%, Maturing April 30, 2020 | EUR | 18 | 24,946 |
| Term Loan, 4.23%, Maturing April 30, 2020 | EUR | 139 | 190,640 |
| Term Loan, 4.23%, Maturing June 1, 2020 | EUR | 293 | 401,511 |
| Jason Incorporated | | | |
| Term Loan, 5.00%, Maturing February 28, 2019 | | 512 | 512,661 |
| KAR Auction Services, Inc. | | | |
| Term Loan, 3.75%, Maturing May 19, 2017 | | 2,732 | 2,749,032 |
| Kronos Incorporated | | | |
| Term Loan, 4.50%, Maturing October 30, 2019 | | 1,563 | 1,573,934 |
| Term Loan - Second Lien, 9.75%, Maturing April 30, 2020 | | 900 | 930,750 |
| Language Line, LLC | | | |
| Term Loan, 6.25%, Maturing June 20, 2016 | | 1,961 | 1,955,797 |
| MEI Conlux Holdings (US), Inc. | | | |
| Term Loan, 5.00%, Maturing August 21, 2020 | | 475 | 475,297 |
| Monitronics International Inc. | | | |
| Term Loan, 4.25%, Maturing March 23, 2018 | | 1,186 | 1,197,776 |
| Pacific Industrial Services US Finco LLC | | | |
| Term Loan, 5.00%, Maturing October 2, 2018 | | 1,250 | 1,257,813 |
| Quintiles Transnational Corp. | | | |
| Term Loan, 4.00%, Maturing June 8, 2018 | | 5,193 | 5,218,891 |
| Term Loan, 4.50%, Maturing June 8, 2018 | | 261 | 261,349 |
| Sensus USA Inc. | | | |
| Term Loan, 4.75%, Maturing May 9, 2017 | | 658 | 657,200 |
| ServiceMaster Company | | | |
| Term Loan, 4.25%, Maturing January 31, 2017 | | 1,439 | 1,417,529 |
| Term Loan, 4.43%, Maturing January 31, 2017 | | 2,424 | 2,388,362 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Business Equipment and Services (continued) | | |
| SunGard Data Systems, Inc. | | |
| Term Loan, 3.92%, Maturing February 28, 2017 | 946 | \$ 949,156 |
| Term Loan, 4.00%, Maturing March 9, 2020 | 6,418 | 6,480,926 |
| TNS, Inc. | | |
| Term Loan, 5.00%, Maturing February 14, 2020 | 867 | 876,055 |
| TransUnion, LLC | | |
| Term Loan, 4.25%, Maturing February 10, 2019 | 2,804 | 2,822,666 |
| U.S. Security Holdings, Inc. | | |
| Term Loan, 6.00%, Maturing July 28, 2017 | 116 | 117,421 |
| Term Loan, 6.00%, Maturing July 28, 2017 | 595 | 599,895 |
| WASH Multifamily Laundry Systems, LLC | | |
| Term Loan, 5.25%, Maturing February 21, 2019 | 323 | 324,992 |
| West Corporation | | |
| Term Loan, 3.75%, Maturing June 29, 2018 | 3,661 | 3,677,418 |
| | | \$ 77,340,606 |
| Cable and Satellite Television 5.3% | | |
| Atlantic Broadband Finance, LLC | | |
| Term Loan, 3.25%, Maturing December 2, 2019 | 842 | \$ 842,026 |
| Bragg Communications Incorporated | | |
| Term Loan, 3.50%, Maturing February 28, 2018 | 394 | 395,724 |
| Cequel Communications, LLC | | |
| Term Loan, 3.50%, Maturing February 14, 2019 | 2,239 | 2,244,355 |
| Charter Communications Operating, LLC | | |
| Term Loan, 3.00%, Maturing July 1, 2020 | 1,347 | 1,335,760 |
| Term Loan, 3.00%, Maturing January 4, 2021 | 1,147 | 1,137,740 |
| Crown Media Holdings, Inc. | | |
| Term Loan, 4.00%, Maturing July 14, 2018 | 390 | 389,979 |
| CSC Holdings, Inc. | | |
| Term Loan, 2.67%, Maturing April 17, 2020 | 1,571 | 1,559,968 |
| Lavena Holding 3 GMBH | | |
| Term Loan, 4.09%, Maturing March 6, 2017 | EUR 250 | 340,539 |
| Term Loan, 4.09%, Maturing March 6, 2017 | EUR 596 | 812,583 |
| Term Loan, 4.09%, Maturing March 6, 2017 | EUR 598 | 814,612 |
| MCC Iowa LLC | | |
| Term Loan, 3.25%, Maturing January 29, 2021 | 998 | 994,383 |
| Media Holdco, LP | | |
| Term Loan, 7.25%, Maturing July 24, 2018 | 819 | 822,907 |
| Mediacom Illinois, LLC | | |
| Term Loan, 4.50%, Maturing October 23, 2017 | 798 | 799,185 |

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| | | | |
|--|-----|--------------------------|----------------------|
| P7S1 Broadcasting Holding II B.V. | | | |
| Term Loan, 2.97%, Maturing July 3, 2018 | EUR | 1,722 | 2,346,822 |
| Sterling Entertainment Enterprises, LLC | | | |
| Term Loan, 3.17%, Maturing December 28, 2017 | | 750 | 735,750 |
| | | Principal Amount* | |
| Borrower/Tranche Description | | (000 s omitted) | Value |
| | | | |
| Cable and Satellite Television (continued) | | | |
| UPC Financing Partnership | | | |
| Term Loan, 4.00%, Maturing January 29, 2021 | | 775 | \$ 781,297 |
| Term Loan, 3.88%, Maturing March 26, 2021 | EUR | 3,972 | 5,435,735 |
| Virgin Media Investment Holdings Limited | | | |
| Term Loan, 4.50%, Maturing June 5, 2020 | GBP | 1,475 | 2,388,454 |
| Term Loan, 3.50%, Maturing June 8, 2020 | | 5,075 | 5,078,522 |
| WaveDivision Holdings, LLC | | | |
| Term Loan, 4.00%, Maturing October 15, 2019 | | 323 | 323,369 |
| YPSO Holding SA | | | |
| Term Loan, 5.13%, Maturing June 6, 2016 | EUR | 203 | 277,343 |
| Term Loan, 5.13%, Maturing June 6, 2016 | EUR | 323 | 440,343 |
| Term Loan, 5.13%, Maturing June 6, 2016 | EUR | 474 | 646,851 |
| | | | \$ 30,944,247 |
| | | | |
| Chemicals and Plastics 5.3% | | | |
| Allnex USA, Inc. | | | |
| Term Loan, 4.50%, Maturing October 3, 2019 | | 145 | \$ 145,997 |
| Term Loan, 4.50%, Maturing October 3, 2019 | | 279 | 281,385 |
| Arysta LifeScience Corporation | | | |
| Term Loan, 4.50%, Maturing May 29, 2020 | | 2,319 | 2,334,629 |
| Axalta Coating Systems US Holdings Inc. | | | |
| Term Loan, 4.75%, Maturing February 3, 2020 | | 3,980 | 4,026,642 |
| AZ Chem US Inc. | | | |
| Term Loan, 5.25%, Maturing December 22, 2017 | | 1,645 | 1,661,003 |
| Chemtura Corporation | | | |
| Term Loan, 3.50%, Maturing August 29, 2016 | | 189 | 190,589 |
| Emerald Performance Materials, LLC | | | |
| Term Loan, 6.75%, Maturing May 18, 2018 | | 691 | 696,436 |
| General Chemical Corporation | | | |
| Term Loan, 5.02%, Maturing October 6, 2015 | | 428 | 432,398 |
| Huntsman International, LLC | | | |
| Term Loan, Maturing January 31, 2021 ⁽⁴⁾ | | 2,000 | 2,004,688 |
| Ineos US Finance LLC | | | |
| Term Loan, 4.00%, Maturing May 4, 2018 | | 4,175 | 4,193,658 |
| MacDermid, Inc. | | | |
| Term Loan, 4.00%, Maturing June 8, 2020 | | 773 | 776,541 |
| OEP Pearl Dutch Acquisition B.V. | | | |
| Term Loan, 6.50%, Maturing March 30, 2018 | | 93 | 93,970 |
| Omnova Solutions Inc. | | | |
| Term Loan, 4.25%, Maturing May 31, 2018 | | 973 | 979,794 |
| OXEA Finance LLC | | | |
| Term Loan, 4.25%, Maturing January 15, 2020 | | 700 | 702,625 |
| Term Loan - Second Lien, 8.25%, Maturing July 15, 2020 | | 1,000 | 1,012,188 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Chemicals and Plastics (continued) | | |
| Polarpak Inc. | | |
| Term Loan, 4.50%, Maturing June 5, 2020 | 258 | \$ 260,016 |
| PQ Corporation | | |
| Term Loan, 4.50%, Maturing August 7, 2017 | 1,166 | 1,176,079 |
| Schoeller Arca Systems Holding B.V. | | |
| Term Loan, 4.73%, Maturing December 18, 2014 | EUR 145 | 139,320 |
| Term Loan, 4.73%, Maturing December 18, 2014 | EUR 412 | 397,227 |
| Term Loan, 4.73%, Maturing December 18, 2014 | EUR 443 | 427,455 |
| Sonneborn LLC | | |
| Term Loan, 6.50%, Maturing March 30, 2018 | 526 | 532,497 |
| Taminco Global Chemical Corporation | | |
| Term Loan, 4.25%, Maturing February 15, 2019 | 369 | 372,167 |
| Tronox Pigments (Netherlands) B.V. | | |
| Term Loan, 4.50%, Maturing March 19, 2020 | 3,017 | 3,046,480 |
| Univar Inc. | | |
| Term Loan, 5.00%, Maturing June 30, 2017 | 4,984 | 4,910,576 |
| WNA Holdings Inc. | | |
| Term Loan, 4.50%, Maturing June 5, 2020 | 140 | 141,243 |
| | | \$ 30,935,603 |
| Conglomerates 0.9% | | |
| RGIS Services, LLC | | |
| Term Loan, 4.50%, Maturing October 18, 2016 | 2,482 | \$ 2,448,224 |
| Term Loan, 5.50%, Maturing October 18, 2017 | 382 | 378,193 |
| Spectrum Brands, Inc. | | |
| Term Loan, 4.50%, Maturing December 17, 2019 | 2,438 | 2,451,187 |
| | | \$ 5,277,604 |
| Containers and Glass Products 1.9% | | |
| Berry Plastics Holding Corporation | | |
| Term Loan, 3.50%, Maturing February 7, 2020 | 2,164 | \$ 2,157,942 |
| BWAY Corporation | | |
| Term Loan, 4.50%, Maturing August 7, 2017 | 2,605 | 2,625,939 |
| Pact Group (USA), Inc. | | |
| Term Loan, 3.75%, Maturing May 29, 2020 | 1,546 | 1,537,428 |
| Pelican Products, Inc. | | |
| Term Loan, 7.00%, Maturing July 11, 2018 | 494 | 495,601 |
| Reynolds Group Holdings Inc. | | |

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| | | |
|---|-------|----------------------|
| Term Loan, 4.75%, Maturing September 28, 2018 | 2,871 | 2,897,738 |
| Sealed Air Corporation | | |
| Term Loan, 4.00%, Maturing October 3, 2018 | 540 | 545,306 |
| TricorBraun, Inc. | | |
| Term Loan, 4.00%, Maturing May 3, 2018 | 617 | 619,888 |
| | | \$ 10,879,842 |

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|------------------------------|--------------------------------------|-------|
|------------------------------|--------------------------------------|-------|

Cosmetics / Toiletries 0.6%

| | | |
|---|-------|---------------------|
| Prestige Brands, Inc. | | |
| Term Loan, 3.78%, Maturing January 31, 2019 | 328 | \$ 330,348 |
| Revlon Consumer Products Corporation | | |
| Term Loan, 4.00%, Maturing August 19, 2019 | 1,225 | 1,230,859 |
| Sun Products Corporation (The) | | |
| Term Loan, 5.50%, Maturing March 23, 2020 | 2,164 | 2,090,183 |
| | | \$ 3,651,390 |

Drugs 3.2%

| | | |
|--|-------|----------------------|
| Alkermes, Inc. | | |
| Term Loan, 3.50%, Maturing September 18, 2019 | 372 | \$ 374,197 |
| Amneal Pharmaceuticals LLC | | |
| Term Loan, Maturing October 1, 2019 ⁽⁴⁾ | 550 | 544,500 |
| Aptalis Pharma, Inc. | | |
| Term Loan, 6.00%, Maturing September 18, 2020 | 2,600 | 2,621,666 |
| Auxilium Pharmaceuticals, Inc. | | |
| Term Loan, 6.25%, Maturing April 26, 2017 | 585 | 594,236 |
| Catalent Pharma Solutions Inc. | | |
| Term Loan, 3.67%, Maturing September 15, 2016 | 2,094 | 2,103,168 |
| Term Loan, 4.25%, Maturing September 15, 2017 | 1,107 | 1,112,529 |
| Ikaria Acquisition Inc. | | |
| Term Loan, 7.25%, Maturing July 3, 2018 | 667 | 674,894 |
| Term Loan - Second Lien, 11.00%, Maturing July 3, 2019 | 500 | 510,000 |
| Par Pharmaceutical Companies, Inc. | | |
| Term Loan, 4.25%, Maturing September 30, 2019 | 1,163 | 1,168,210 |
| Valeant Pharmaceuticals International, Inc. | | |
| Term Loan, 3.75%, Maturing February 13, 2019 | 1,844 | 1,862,334 |
| Term Loan, 3.75%, Maturing December 11, 2019 | 2,965 | 2,993,700 |
| Term Loan, 4.50%, Maturing August 5, 2020 | 3,896 | 3,952,048 |
| | | \$ 18,511,482 |

Ecological Services and Equipment 0.8%

| | | |
|--|---------|---------------------|
| ADS Waste Holdings, Inc. | | |
| Term Loan, 4.25%, Maturing October 9, 2019 | 3,925 | \$ 3,955,198 |
| Progressive Waste Solutions Ltd. | | |
| Term Loan, 3.50%, Maturing October 24, 2019 | 521 | 523,016 |
| Viking Consortium Borrower Limited | | |
| Term Loan - Second Lien, 3.09%, Maturing March 31, 2016 ⁽⁵⁾ | GBP 542 | 225,808 |
| | | \$ 4,704,022 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|--------------|
| Electronics / Electrical 12.2% | | |
| Aeroflex Incorporated | | |
| Term Loan, 4.50%, Maturing November 11, 2019 | 1,748 | \$ 1,764,216 |
| Allflex Holdings III, Inc. | | |
| Term Loan, 4.25%, Maturing July 17, 2020 | 650 | 654,062 |
| Aspect Software, Inc. | | |
| Term Loan, 7.00%, Maturing May 6, 2016 | 754 | 757,821 |
| Attachmate Corporation | | |
| Term Loan, 7.25%, Maturing November 22, 2017 | 3,153 | 3,184,409 |
| Blue Coat Systems, Inc. | | |
| Term Loan - Second Lien, 9.50%, Maturing June 26, 2020 | 825 | 837,375 |
| Cinedigm Digital Funding I, LLC | | |
| Term Loan, 3.75%, Maturing April 29, 2016 | 472 | 473,483 |
| CommScope, Inc. | | |
| Term Loan, 3.75%, Maturing January 12, 2018 | 2,072 | 2,078,998 |
| CompuCom Systems, Inc. | | |
| Term Loan, 4.25%, Maturing May 11, 2020 | 1,272 | 1,275,787 |
| Dell Inc. | | |
| Term Loan, 3.75%, Maturing October 31, 2018 | 1,625 | 1,624,774 |
| Term Loan, 4.50%, Maturing April 30, 2020 | 8,950 | 8,909,170 |
| Digital Generation, Inc. | | |
| Term Loan, 7.25%, Maturing July 26, 2018 | 2,673 | 2,687,407 |
| Eagle Parent, Inc. | | |
| Term Loan, 4.50%, Maturing May 16, 2018 | 3,537 | 3,564,632 |
| Edwards (Cayman Islands II) Limited | | |
| Term Loan, 4.75%, Maturing March 26, 2020 | 1,071 | 1,074,186 |
| Excelitas Technologies Corp. | | |
| Term Loan, Maturing September 30, 2020 ⁽⁴⁾ | 798 | 790,500 |
| Term Loan, Maturing October 23, 2020 ⁽⁴⁾ | 52 | 51,000 |
| Freescale Semiconductor, Inc. | | |
| Term Loan, 5.00%, Maturing February 28, 2020 | 2,886 | 2,915,783 |
| Go Daddy Operating Company, LLC | | |
| Term Loan, 4.25%, Maturing December 17, 2018 | 3,362 | 3,375,364 |
| Hyland Software, Inc. | | |
| Term Loan, 5.50%, Maturing October 25, 2019 | 347 | 349,633 |
| Infor (US), Inc. | | |
| Term Loan, 5.25%, Maturing April 5, 2018 | 4,507 | 4,549,295 |
| Internet Brands, Inc. | | |
| Term Loan, 6.25%, Maturing March 18, 2019 | 945 | 951,158 |
| Magic Newco LLC | | |
| Term Loan, 5.00%, Maturing December 12, 2018 | 1,386 | 1,398,343 |
| Microsemi Corporation | | |
| Term Loan, 3.75%, Maturing February 19, 2020 | 1,311 | 1,318,534 |
| Borrower/Tranche Description | | Value |

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| | Principal Amount* (000 s omitted) | |
|---|---|--------------|
| Electronics / Electrical (continued) | | |
| NXP B.V. | | |
| Term Loan, 4.50%, Maturing March 3, 2017 | 2,139 | \$ 2,166,901 |
| Term Loan, 4.75%, Maturing January 11, 2020 | 918 | 930,543 |
| Renaissance Learning, Inc. | | |
| Term Loan, 5.75%, Maturing November 13, 2018 | 569 | 572,096 |
| Rocket Software, Inc. | | |
| Term Loan, 5.75%, Maturing February 8, 2018 | 1,228 | 1,231,591 |
| Term Loan - Second Lien, 10.25%, Maturing February 8, 2019 | 750 | 752,812 |
| Rovi Solutions Corporation | | |
| Term Loan, 3.50%, Maturing March 29, 2019 | 771 | 768,475 |
| RP Crown Parent, LLC | | |
| Term Loan, 6.75%, Maturing December 21, 2018 | 5,118 | 5,171,052 |
| Term Loan - Second Lien, 11.25%, Maturing December 20, 2019 | 575 | 591,172 |
| Sensata Technologies Finance Company, LLC | | |
| Term Loan, 3.75%, Maturing May 11, 2018 | 1,203 | 1,216,674 |
| Serena Software, Inc. | | |
| Term Loan, 4.17%, Maturing March 10, 2016 | 474 | 468,075 |
| Term Loan, 5.00%, Maturing March 10, 2016 | 350 | 347,813 |
| Shield Finance Co. S.A.R.L. | | |
| Term Loan, 6.50%, Maturing May 10, 2019 | 988 | 987,500 |
| Sirius Computer Solutions, Inc. | | |
| Term Loan, 7.00%, Maturing November 30, 2018 | 513 | 522,447 |
| SkillSoft Corporation | | |
| Term Loan, 5.00%, Maturing May 26, 2017 | 1,116 | 1,123,337 |
| Smart Technologies ULC | | |
| Term Loan, 10.50%, Maturing January 31, 2018 | 650 | 624,000 |
| Sophia, L.P. | | |
| Term Loan, 4.50%, Maturing July 19, 2018 | 1,303 | 1,315,121 |
| SS&C Technologies Inc. | | |
| Term Loan, 3.50%, Maturing June 7, 2019 | 104 | 104,240 |
| Term Loan, 3.50%, Maturing June 7, 2019 | 1,003 | 1,007,861 |
| SumTotal Systems LLC | | |
| Term Loan, 6.25%, Maturing November 16, 2018 | 1,197 | 1,180,066 |
| SurveyMonkey.com, LLC | | |
| Term Loan, 5.50%, Maturing February 5, 2019 | 547 | 553,051 |
| VeriFone Inc. | | |
| Term Loan, 4.25%, Maturing December 28, 2018 | 105 | 104,629 |
| Vertafore, Inc. | | |
| Term Loan, 4.25%, Maturing October 3, 2019 | 995 | 1,000,182 |
| Wall Street Systems, Inc. | | |
| Term Loan, 5.75%, Maturing October 25, 2019 | 1,664 | 1,681,316 |
| Term Loan - Second Lien, 9.25%, Maturing October 26, 2020 | 500 | 505,300 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|---|---|----------------------|
| Electronics / Electrical (continued) | | |
| Web.com Group, Inc. | | |
| Term Loan, 4.50%, Maturing October 27, 2017 | 1,478 | \$ 1,497,623 |
| | | \$ 71,009,807 |
| Equipment Leasing 0.5% | | |
| Flying Fortress Inc. | | |
| Term Loan, 3.50%, Maturing June 30, 2017 | 2,792 | \$ 2,800,391 |
| | | \$ 2,800,391 |
| Financial Intermediaries 5.6% | | |
| American Capital Holdings, Inc. | | |
| Term Loan, 4.00%, Maturing August 22, 2016 | 619 | \$ 621,457 |
| Armor Holding II LLC | | |
| Term Loan - Second Lien, 10.25%, Maturing December 11, 2020 | 1,000 | 996,875 |
| Cetera Financial Group, Inc. | | |
| Term Loan, 6.50%, Maturing August 2, 2019 | 750 | 756,075 |
| Citco Funding LLC | | |
| Term Loan, 4.25%, Maturing June 29, 2018 | 2,035 | 2,038,064 |
| Clipper Acquisitions Corp. | | |
| Term Loan, 4.00%, Maturing February 6, 2020 | 546 | 548,150 |
| First Data Corporation | | |
| Term Loan, 4.17%, Maturing March 23, 2018 | 4,136 | 4,148,166 |
| Term Loan, 4.17%, Maturing September 24, 2018 | 1,875 | 1,880,625 |
| Grosvenor Capital Management Holdings, LLP | | |
| Term Loan, 4.19%, Maturing December 5, 2016 | 1,254 | 1,251,314 |
| Guggenheim Partners, LLC | | |
| Term Loan, 4.25%, Maturing July 17, 2020 | 850 | 855,100 |
| Hamilton Lane Advisors, LLC | | |
| Term Loan, 5.25%, Maturing February 28, 2018 | 634 | 634,177 |
| Harbourvest Partners, LLC | | |
| Term Loan, 4.75%, Maturing November 21, 2017 | 756 | 764,030 |
| Home Loan Servicing Solutions, Ltd. | | |
| Term Loan, 4.50%, Maturing June 19, 2020 | 1,072 | 1,087,057 |
| LPL Holdings, Inc. | | |
| Term Loan, 3.25%, Maturing March 29, 2019 | 3,800 | 3,800,154 |
| Mercury Payment Systems Canada, LLC | | |
| Term Loan, 5.50%, Maturing July 3, 2017 | 982 | 991,692 |
| MIP Delaware, LLC | | |

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| | | |
|---|-------|-----------|
| Term Loan, 4.00%, Maturing March 9, 2020 Moneygram International, Inc | 718 | 722,202 |
| Term Loan, 4.25%, Maturing March 27, 2020 Nuveen Investments, Inc. | 423 | 425,148 |
| Term Loan, 4.17%, Maturing May 15, 2017 | 6,197 | 6,172,369 |

| | Principal Amount* | |
|-------------------------------------|------------------------------|--------------|
| Borrower/Tranche Description | (000 s omitted) | Value |

Financial Intermediaries (continued)

| | | |
|--|-------|----------------------|
| NXT Capital, Inc. | | |
| Term Loan, 6.25%, Maturing September 4, 2018 | 750 | \$ 746,250 |
| Ocwen Financial Corporation | | |
| Term Loan, 5.00%, Maturing February 15, 2018 | 1,244 | 1,259,141 |
| Oz Management LP | | |
| Term Loan, 1.68%, Maturing November 15, 2016 | 1,305 | 1,221,793 |
| Starwood Property Trust, Inc. | | |
| Term Loan, 3.50%, Maturing April 17, 2020 | 274 | 274,081 |
| Walter Investment Management Corp. | | |
| Term Loan, 5.75%, Maturing November 28, 2017 | 1,468 | 1,485,127 |
| | | \$ 32,679,047 |

Food Products 6.3%

| | | |
|---|-------|----------------------|
| AdvancePierre Foods, Inc. | | |
| Term Loan, 5.75%, Maturing July 10, 2017 | 1,265 | \$ 1,275,456 |
| American Seafoods Group LLC | | |
| Term Loan, 4.25%, Maturing March 16, 2018 | 577 | 576,022 |
| Blue Buffalo Company, Ltd. | | |
| Term Loan, 4.75%, Maturing August 8, 2019 | 1,287 | 1,301,236 |
| Clearwater Seafoods Limited Partnership | | |
| Term Loan, 4.75%, Maturing June 24, 2019 | 948 | 953,152 |
| CSM Bakery Supplies LLC | | |
| Term Loan, 4.75%, Maturing July 3, 2020 | 1,047 | 1,044,757 |
| Del Monte Foods Company | | |
| Term Loan, 4.00%, Maturing March 8, 2018 | 5,088 | 5,102,945 |
| Dole Food Company Inc. | | |
| Term Loan, Maturing November 1, 2018 ⁽⁴⁾ | 1,375 | 1,368,125 |
| Term Loan, 3.75%, Maturing April 1, 2020 | 1,716 | 1,721,739 |
| H.J. Heinz Company | | |
| Term Loan, 3.50%, Maturing June 5, 2020 | 8,454 | 8,527,268 |
| Hearthside Food Solutions, LLC | | |
| Term Loan, 6.50%, Maturing June 7, 2018 | 1,160 | 1,161,788 |
| High Liner Foods Incorporated | | |
| Term Loan, 4.75%, Maturing December 31, 2017 | 605 | 608,474 |
| JBS USA Holdings Inc. | | |
| Term Loan, 3.75%, Maturing May 25, 2018 | 978 | 982,501 |
| Term Loan, 3.75%, Maturing September 18, 2020 | 1,575 | 1,573,031 |
| Michael Foods Group, Inc. | | |
| Term Loan, 4.25%, Maturing February 23, 2018 | 629 | 633,995 |
| NBTY, Inc. | | |
| Term Loan, 3.50%, Maturing October 1, 2017 | 5,409 | 5,452,386 |
| Pinnacle Foods Finance LLC | | |
| Term Loan, 3.25%, Maturing April 29, 2020 | 700 | 700,000 |
| Term Loan, 3.25%, Maturing April 29, 2020 | 3,756 | 3,756,459 |
| | | \$ 36,739,334 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Food Service 5.9% | | |
| Aramark Corporation | | |
| Term Loan, 3.28%, Maturing July 26, 2016 | 169 | \$ 169,642 |
| Term Loan, 3.66%, Maturing July 26, 2016 | 304 | 304,938 |
| Term Loan, 3.70%, Maturing July 26, 2016 | 3,751 | 3,763,747 |
| Term Loan, 3.75%, Maturing July 26, 2016 | 2,094 | 2,103,081 |
| Term Loan, 4.02%, Maturing July 26, 2016 | 950 | 1,523,229 |
| | GBP | |
| Buffets, Inc. | | |
| Term Loan, 0.12%, Maturing April 22, 2015 ⁽²⁾ | 92 | 91,831 |
| Burger King Corporation | | |
| Term Loan, 3.75%, Maturing September 27, 2019 | 2,228 | 2,237,428 |
| Centerplate, Inc. | | |
| Term Loan, 5.75%, Maturing October 15, 2018 | 371 | 373,261 |
| DineEquity, Inc. | | |
| Term Loan, 3.75%, Maturing October 19, 2017 | 1,010 | 1,017,963 |
| Dunkin' Brands, Inc. | | |
| Term Loan, 3.75%, Maturing February 14, 2020 | 3,007 | 3,020,523 |
| Landry's, Inc. | | |
| Term Loan, 4.75%, Maturing April 24, 2018 | 2,526 | 2,549,454 |
| NPC International, Inc. | | |
| Term Loan, 4.50%, Maturing December 28, 2018 | 663 | 669,251 |
| OSI Restaurant Partners, LLC | | |
| Term Loan, 3.50%, Maturing October 25, 2019 | 2,584 | 2,588,594 |
| P.F. Chang's China Bistro Inc. | | |
| Term Loan, 5.25%, Maturing July 2, 2019 | 421 | 424,694 |
| Sagittarius Restaurants, LLC | | |
| Term Loan, 6.26%, Maturing October 1, 2018 | 594 | 593,943 |
| Seminole Hard Rock Entertainment, Inc. | | |
| Term Loan, 3.50%, Maturing May 14, 2020 | 274 | 275,170 |
| US Foods, Inc. | | |
| Term Loan, 4.50%, Maturing March 29, 2019 | 4,963 | 4,975,589 |
| Weight Watchers International, Inc. | | |
| Term Loan, 3.75%, Maturing April 2, 2020 | 6,890 | 6,340,220 |
| Wendy's International, Inc. | | |
| Term Loan, 3.25%, Maturing May 15, 2019 | 1,330 | 1,334,614 |
| | | \$ 34,357,172 |
| Food / Drug Retailers 4.3% | | |
| Albertson's, LLC | | |
| Term Loan, 4.25%, Maturing March 21, 2016 | 1,189 | \$ 1,193,358 |
| Term Loan, 4.75%, Maturing March 21, 2019 | 1,151 | 1,154,979 |

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| | | | |
|--|--|--------------------------|----------------------|
| Alliance Boots Holdings Limited | | | |
| Term Loan, 3.60%, Maturing July 10, 2017 | | EUR 1,000 | 1,358,598 |
| Term Loan, 3.98%, Maturing July 10, 2017 | | GBP 5,775 | 9,239,787 |
| | | Principal Amount* | |
| Borrower/Tranche Description | | (000 s omitted) | Value |
| | | | |
| Food / Drug Retailers (continued) | | | |
| General Nutrition Centers, Inc. | | | |
| Term Loan, 3.75%, Maturing March 2, 2018 | | 6,111 | \$ 6,149,274 |
| Pantry, Inc. (The) | | | |
| Term Loan, 4.75%, Maturing August 2, 2019 | | 421 | 426,711 |
| Rite Aid Corporation | | | |
| Term Loan, 4.00%, Maturing February 21, 2020 | | 2,313 | 2,326,628 |
| Term Loan - Second Lien, 5.75%, Maturing August 21, 2020 | | 450 | 461,719 |
| Supervalu Inc. | | | |
| Term Loan, 5.00%, Maturing March 21, 2019 | | 2,732 | 2,752,353 |
| | | | \$ 25,063,407 |
| | | | |
| Forest Products 0.1% | | | |
| Expera Specialty Solutions, LLC | | | |
| Term Loan, 7.50%, Maturing December 21, 2018 | | 524 | \$ 531,543 |
| | | | \$ 531,543 |
| | | | |
| Health Care 13.9% | | | |
| Alere, Inc. | | | |
| Term Loan, 4.25%, Maturing June 30, 2017 | | 468 | \$ 470,994 |
| Term Loan, 4.25%, Maturing June 30, 2017 | | 565 | 569,175 |
| Term Loan, 4.25%, Maturing June 30, 2017 | | 2,328 | 2,344,956 |
| Alliance Healthcare Services, Inc. | | | |
| Term Loan, 4.25%, Maturing June 3, 2019 | | 1,247 | 1,237,523 |
| Apria Healthcare Group I | | | |
| Term Loan, 6.75%, Maturing April 5, 2020 | | 574 | 580,608 |
| Ardent Medical Services, Inc. | | | |
| Term Loan, 6.75%, Maturing July 2, 2018 | | 3,031 | 3,051,693 |
| ATI Holdings, Inc. | | | |
| Term Loan, 5.75%, Maturing December 20, 2019 | | 447 | 452,208 |
| Biomet Inc. | | | |
| Term Loan, 3.69%, Maturing July 25, 2017 | | 5,888 | 5,939,141 |
| BSN Medical Inc. | | | |
| Term Loan, 4.25%, Maturing August 28, 2019 | | 575 | 575,719 |
| CeramTec Acquisition Corporation | | | |
| Term Loan, 4.25%, Maturing August 28, 2020 | | 33 | 33,533 |
| CHG Buyer Corporation | | | |
| Term Loan, 5.00%, Maturing November 19, 2019 | | 842 | 849,160 |
| Community Health Systems, Inc. | | | |
| Term Loan, 3.76%, Maturing January 25, 2017 | | 6,865 | 6,898,473 |
| Convatec Inc. | | | |
| Term Loan, 4.00%, Maturing December 22, 2016 | | 1,426 | 1,437,308 |
| CRC Health Corporation | | | |
| Term Loan, 4.67%, Maturing November 16, 2015 | | 1,883 | 1,891,063 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|---|---|--------------|
| Health Care (continued) | | |
| DaVita, Inc. | | |
| Term Loan, 4.50%, Maturing October 20, 2016 | 2,918 | \$ 2,938,926 |
| Term Loan, 4.00%, Maturing November 1, 2019 | 3,102 | 3,122,610 |
| DJO Finance LLC | | |
| Term Loan, 4.75%, Maturing September 15, 2017 | 582 | 587,548 |
| Drumm Investors LLC | | |
| Term Loan, 5.00%, Maturing May 4, 2018 | 1,260 | 1,218,888 |
| Envision Healthcare Corporation | | |
| Term Loan, 4.00%, Maturing May 25, 2018 | 2,019 | 2,026,989 |
| Faenza Acquisition GmbH | | |
| Term Loan, 4.25%, Maturing August 28, 2020 | 103 | 103,585 |
| Term Loan, 4.25%, Maturing August 31, 2020 | 339 | 340,554 |
| Gentiva Health Services, Inc. | | |
| Term Loan, 6.50%, Maturing October 15, 2019 | 1,400 | 1,393,000 |
| Grifols Inc. | | |
| Term Loan, 4.25%, Maturing June 1, 2017 | 2,897 | 2,923,193 |
| HCA, Inc. | | |
| Term Loan, 3.00%, Maturing March 31, 2017 | 2,343 | 2,351,541 |
| Health Management Associates, Inc. | | |
| Term Loan, 3.50%, Maturing November 16, 2018 | 2,253 | 2,256,252 |
| Hologic Inc. | | |
| Term Loan, 3.75%, Maturing August 1, 2019 | 1,504 | 1,515,072 |
| Iasis Healthcare LLC | | |
| Term Loan, 4.50%, Maturing May 3, 2018 | 1,633 | 1,646,199 |
| inVentiv Health, Inc. | | |
| Term Loan, 7.50%, Maturing August 4, 2016 | 1,007 | 993,712 |
| Term Loan, 7.75%, Maturing May 15, 2018 | 2,396 | 2,365,183 |
| Kindred Healthcare, Inc. | | |
| Term Loan, 4.25%, Maturing June 1, 2018 | 1,635 | 1,637,779 |
| Kinetic Concepts, Inc. | | |
| Term Loan, 4.50%, Maturing May 4, 2018 | 4,530 | 4,572,357 |
| LHP Hospital Group, Inc. | | |
| Term Loan, 9.00%, Maturing July 3, 2018 | 543 | 521,400 |
| MedAssets, Inc. | | |
| Term Loan, 4.00%, Maturing December 13, 2019 | 436 | 437,063 |
| Medpace, Inc. | | |
| Term Loan, 5.25%, Maturing June 16, 2017 | 527 | 527,095 |
| MMM Holdings, Inc. | | |
| Term Loan, 9.75%, Maturing December 12, 2017 | 653 | 656,270 |
| MSO of Puerto Rico, Inc. | | |
| Term Loan, 9.75%, Maturing December 12, 2017 | 475 | 478,769 |
| Multiplan, Inc. | | |
| Term Loan, 4.00%, Maturing August 25, 2017 | 2,860 | 2,884,602 |

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One Call Medical, Inc.

Term Loan, 5.50%, Maturing August 16, 2019

| | |
|--------------------------|--------------|
| 1,215 | 1,224,301 |
| Principal Amount* | |
| (000 s omitted) | Value |

Borrower/Tranche Description

Health Care (continued)

Onex Carestream Finance LP

Term Loan, 5.00%, Maturing June 7, 2019

2,938 \$ 2,970,863

Pharmaceutical Product Development, Inc.

Term Loan, 4.25%, Maturing December 5, 2018

1,911 1,926,678

PRA Holdings, Inc.

Term Loan, 5.00%, Maturing September 23, 2020

1,275 1,279,117

Radnet Management, Inc.

Term Loan, 4.26%, Maturing October 10, 2018

1,659 1,665,471

Sage Products, Inc.

Term Loan, 4.25%, Maturing December 13, 2019

550 552,609

Select Medical Corporation

Term Loan, 4.00%, Maturing June 1, 2018

1,400 1,408,416

Sheridan Holdings, Inc.

Term Loan, 4.50%, Maturing June 29, 2018

642 645,082

Steward Health Care System LLC

Term Loan, 6.75%, Maturing April 13, 2020

349 343,452

TriZetto Group, Inc. (The)

Term Loan, 4.75%, Maturing May 2, 2018

1,442 1,355,304

Truven Health Analytics Inc.

Term Loan, 4.50%, Maturing June 6, 2019

1,634 1,639,115

U.S. Renal Care, Inc.

Term Loan, 5.25%, Maturing July 3, 2019

225 227,813

VWR Funding, Inc.

Term Loan, 4.17%, Maturing April 3, 2017

769 773,514

Term Loan, 4.42%, Maturing April 3, 2017

1,088 1,094,413

\$ 80,936,289

Home Furnishings 0.5%

Serta/Simmons Holdings, LLC

Term Loan, 5.00%, Maturing October 1, 2019

1,612 \$ 1,626,543

Tempur-Pedic International Inc.

Term Loan, 3.50%, Maturing March 18, 2020

1,529 1,528,557

\$ 3,155,100

Industrial Equipment 3.0%

Alliance Laundry Systems LLC

Term Loan, 4.25%, Maturing December 10, 2018

320 \$ 321,473

Apex Tool Group, LLC

Term Loan, 4.50%, Maturing January 31, 2020

721 726,585

Gardner Denver, Inc.

Term Loan, 4.25%, Maturing July 30, 2020

1,850 1,853,049

Term Loan, 4.75%, Maturing July 30, 2020

EUR 400 547,852

Generac Power Systems, Inc.

Term Loan, 3.50%, Maturing May 29, 2020

1,721 1,720,151

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Industrial Equipment (continued) | | |
| Grede LLC Term Loan, 4.50%, Maturing May 2, 2018 | 953 | \$ 957,735 |
| Husky Injection Molding Systems Ltd. Term Loan, 4.25%, Maturing June 29, 2018 | 3,147 | 3,167,579 |
| Manitowoc Company, Inc. (The) Term Loan, 4.25%, Maturing November 13, 2017 | 127 | 127,695 |
| Milacron LLC Term Loan, 4.25%, Maturing March 30, 2020 | 398 | 398,166 |
| Paladin Brands Holding, Inc. Term Loan, 6.75%, Maturing August 16, 2019 | 750 | 745,781 |
| Rexnord LLC Term Loan, 4.00%, Maturing August 20, 2020 | 4,625 | 4,637,284 |
| Spancion LLC Term Loan, 5.25%, Maturing December 11, 2018 | 742 | 748,803 |
| Tank Holding Corp. Term Loan, 4.25%, Maturing July 9, 2019 | 926 | 924,477 |
| Terex Corporation Term Loan, 4.50%, Maturing April 28, 2017 | 522 | 525,117 |
| Unifrax Corporation Term Loan, 4.25%, Maturing November 28, 2018 | 336 | 337,054 |
| | | \$ 17,738,801 |
| Insurance 4.4% | | |
| Alliant Holdings I, Inc. Term Loan, 5.00%, Maturing December 20, 2019 | 1,960 | \$ 1,973,346 |
| AmWINS Group, LLC Term Loan, 5.00%, Maturing September 6, 2019 | 4,795 | 4,810,982 |
| Applied Systems, Inc. Term Loan, 4.25%, Maturing December 8, 2016 | 2,302 | 2,316,468 |
| Asurion LLC Term Loan, 4.50%, Maturing May 24, 2019 | 8,660 | 8,667,001 |
| Term Loan, 3.50%, Maturing July 8, 2020 | 973 | 953,111 |
| Compass Investors Inc. Term Loan, 5.00%, Maturing December 27, 2019 | 2,109 | 2,121,717 |
| Cooper Gay Swett & Crawford Ltd. Term Loan, 5.00%, Maturing April 16, 2020 | 474 | 472,530 |
| Cunningham Lindsey U.S. Inc. Term Loan, 5.00%, Maturing December 10, 2019 | 894 | 894,927 |
| Hub International Limited Term Loan, 4.75%, Maturing October 2, 2020 | 2,825 | 2,841,775 |

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| | | |
|---|--------------------------|----------------------|
| Sedgwick CMS Holdings, Inc. | 648 | 651,009 |
| Term Loan, 4.25%, Maturing June 12, 2018 | | |
| | | \$ 25,702,866 |
| | Principal Amount* | |
| | (000 s omitted) | Value |
| Borrower/Tranche Description | | |
| Leisure Goods / Activities / Movies 6.0% | | |
| Bombardier Recreational Products, Inc. | | |
| Term Loan, 4.00%, Maturing January 30, 2019 | 3,225 | \$ 3,242,710 |
| Bright Horizons Family Solutions, Inc. | | |
| Term Loan, 4.00%, Maturing January 30, 2020 | 893 | 899,056 |
| ClubCorp Club Operations, Inc. | | |
| Term Loan, 4.00%, Maturing July 24, 2020 | 2,503 | 2,519,104 |
| Dave & Buster s, Inc. | | |
| Term Loan, 4.50%, Maturing June 1, 2016 | 965 | 968,318 |
| Delta 2 (LUX) S.a.r.l. | | |
| Term Loan, 4.50%, Maturing April 30, 2019 | 1,970 | 1,988,415 |
| Emerald Expositions Holding, Inc. | | |
| Term Loan, 5.50%, Maturing June 17, 2020 | 773 | 779,183 |
| Equinox Holdings, Inc. | | |
| Term Loan, 4.50%, Maturing January 31, 2020 | 1,194 | 1,204,447 |
| Fender Musical Instruments Corporation | | |
| Term Loan, 5.75%, Maturing April 3, 2019 | 456 | 457,710 |
| Kasima, LLC | | |
| Term Loan, 3.25%, Maturing May 17, 2021 | 975 | 971,953 |
| Live Nation Entertainment, Inc. | | |
| Term Loan, 3.50%, Maturing August 16, 2020 | 2,572 | 2,578,167 |
| LodgeNet Interactive Corp. | | |
| Term Loan, 6.75%, Maturing March 31, 2018 | 1,046 | 502,288 |
| Revolution Studios Distribution Company, LLC | | |
| Term Loan, 3.92%, Maturing December 21, 2014 | 695 | 614,850 |
| Term Loan - Second Lien, 7.17%, Maturing June 21, 2015 ⁽²⁾ | 800 | 550,800 |
| Sabre, Inc. | | |
| Term Loan, 5.25%, Maturing February 19, 2019 | 1,191 | 1,203,974 |
| Scientific Games International, Inc. | | |
| Term Loan, 4.25%, Maturing October 18, 2020 | 3,650 | 3,660,103 |
| SeaWorld Parks & Entertainment, Inc. | | |
| Term Loan, 3.00%, Maturing May 14, 2020 | 2,872 | 2,852,986 |
| Six Flags Theme Parks, Inc. | | |
| Term Loan, 4.00%, Maturing December 20, 2018 | 1,445 | 1,455,511 |
| SRAM, LLC | | |
| Term Loan, 4.00%, Maturing April 10, 2020 | 1,918 | 1,910,974 |
| Town Sports International Inc. | | |
| Term Loan, 5.75%, Maturing May 11, 2018 | 1,739 | 1,744,140 |
| US Finco LLC | | |
| Term Loan, 4.00%, Maturing May 29, 2020 | 474 | 474,701 |
| Term Loan - Second Lien, 8.25%, Maturing November 30, 2020 | 1,000 | 1,013,750 |
| WMG Acquisition Corp. | | |
| Term Loan, 3.75%, Maturing July 1, 2020 | 550 | 550,429 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Leisure Goods / Activities / Movies (continued) | | |
| Zuffa LLC | | |
| Term Loan, 4.50%, Maturing February 25, 2020 | 2,878 | \$ 2,892,641 |
| | | \$ 35,036,210 |
| Lodging and Casinos 4.2% | | |
| Affinity Gaming, LLC | | |
| Term Loan, 5.50%, Maturing November 9, 2017 | 407 | \$ 413,288 |
| Bally Technologies, Inc. | | |
| Term Loan, Maturing August 31, 2020 ⁽⁴⁾ | 1,325 | 1,329,141 |
| Boyd Gaming Corporation | | |
| Term Loan, 4.00%, Maturing August 14, 2020 | 500 | 501,063 |
| Caesars Entertainment Operating Company | | |
| Term Loan, 5.49%, Maturing January 26, 2018 | 1,460 | 1,374,052 |
| CityCenter Holdings, LLC | | |
| Term Loan, 5.00%, Maturing October 16, 2020 | 875 | 883,659 |
| Four Seasons Holdings Inc. | | |
| Term Loan - Second Lien, 6.25%, Maturing December 28, 2020 | 2,650 | 2,729,500 |
| Gala Group LTD | | |
| Term Loan, 5.49%, Maturing May 25, 2018 | GBP 3,125 | 5,062,963 |
| Hilton Worldwide Finance, LLC | | |
| Term Loan, 4.00%, Maturing October 26, 2020 | 7,850 | 7,904,463 |
| MGM Resorts International | | |
| Term Loan, 3.50%, Maturing December 20, 2019 | 2,481 | 2,484,610 |
| Pinnacle Entertainment, Inc. | | |
| Term Loan, 3.75%, Maturing August 13, 2020 | 998 | 999,578 |
| Playa Resorts Holding B.V. | | |
| Term Loan, 4.75%, Maturing August 6, 2019 | 500 | 505,312 |
| Tropicana Entertainment Inc. | | |
| Term Loan, 7.50%, Maturing March 16, 2018 | 345 | 346,474 |
| | | \$ 24,534,103 |
| Nonferrous Metals / Minerals 2.8% | | |
| Alpha Natural Resources, LLC | | |
| Term Loan, 3.50%, Maturing May 22, 2020 | 1,791 | \$ 1,713,391 |
| Arch Coal Inc. | | |
| Term Loan, 5.75%, Maturing May 16, 2018 | 3,611 | 3,509,153 |
| Constellium Holdco B.V. | | |
| Term Loan, 6.00%, Maturing March 25, 2020 | 522 | 536,740 |

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| | | | | |
|---|--|------------------------|----|----------------------|
| Fairmount Minerals LTD | | 2,050 | | 2,068,846 |
| Term Loan, 5.00%, Maturing September 5, 2019 | | | | |
| Murray Energy Corporation | | 399 | | 398,900 |
| Term Loan, 4.75%, Maturing May 24, 2019 | | | | |
| | | Principal | | |
| | | Amount* | | |
| Borrower/Tranche Description | | (000 s omitted) | | Value |
| | | | | |
| <i>Nonferrous Metals / Minerals (continued)</i> | | | | |
| Noranda Aluminum Acquisition Corporation | | 1,010 | \$ | 931,379 |
| Term Loan, 5.75%, Maturing February 28, 2019 | | | | |
| Novelis, Inc. | | 2,655 | | 2,671,721 |
| Term Loan, 3.75%, Maturing March 10, 2017 | | | | |
| Oxbow Carbon LLC | | 469 | | 473,607 |
| Term Loan, 4.25%, Maturing July 19, 2019 | | | | |
| Term Loan - Second Lien, 8.00%, Maturing January 17, 2020 | | 775 | | 791,953 |
| United Central Industrial Supply Company, L.L.C. | | 1,163 | | 1,068,736 |
| Term Loan, 7.50%, Maturing October 9, 2018 | | | | |
| Term Loan - Second Lien, 12.50%, Maturing April 9, 2019 | | 500 | | 455,000 |
| Walter Energy, Inc. | | 1,607 | | 1,578,311 |
| Term Loan, 6.75%, Maturing April 2, 2018 | | | | |
| | | | | \$ 16,197,737 |
| | | | | |
| <i>Oil and Gas 4.9%</i> | | | | |
| Ameriforge Group, Inc. | | 521 | \$ | 525,947 |
| Term Loan, 5.00%, Maturing December 19, 2019 | | | | |
| Term Loan - Second Lien, 8.75%, Maturing December 18, 2020 | | 1,800 | | 1,824,750 |
| Bronco Midstream Funding LLC | | 1,800 | | 1,822,500 |
| Term Loan, 5.00%, Maturing August 17, 2020 | | | | |
| Citgo Petroleum Corporation | | 153 | | 154,521 |
| Term Loan, 8.00%, Maturing June 24, 2015 | | | | |
| Term Loan, 9.00%, Maturing June 23, 2017 | | 2,179 | | 2,224,930 |
| Crestwood Holdings LLC | | 1,948 | | 1,996,203 |
| Term Loan, 7.00%, Maturing June 19, 2019 | | | | |
| Energy Transfer Equity, L.P. | | 1,181 | | 1,188,961 |
| Term Loan, 3.75%, Maturing March 24, 2017 | | | | |
| Fieldwood Energy LLC | | 800 | | 807,247 |
| Term Loan, 3.88%, Maturing September 28, 2018 | | | | |
| MEG Energy Corp. | | 7,453 | | 7,502,894 |
| Term Loan, 3.75%, Maturing March 31, 2020 | | | | |
| Obsidian Natural Gas Trust | | 1,735 | | 1,741,470 |
| Term Loan, 7.00%, Maturing November 2, 2015 | | | | |
| Ruby Western Pipeline Holdings, LLC | | 449 | | 450,736 |
| Term Loan, 3.50%, Maturing March 27, 2020 | | | | |
| Samson Investment Company | | 1,850 | | 1,869,079 |
| Term Loan - Second Lien, 6.00%, Maturing September 25, 2018 | | | | |
| Sheridan Production Partners I, LLC | | 1,994 | | 2,002,945 |
| Term Loan, 5.00%, Maturing September 14, 2019 | | | | |
| Term Loan, 5.00%, Maturing September 25, 2019 | | 161 | | 162,112 |
| Term Loan, 5.00%, Maturing September 25, 2019 | | 264 | | 265,407 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Oil and Gas (continued) | | |
| Tallgrass Operations, LLC Term Loan, 5.25%, Maturing November 13, 2018 | 1,138 | \$ 1,148,655 |
| Tervita Corporation Term Loan, 6.25%, Maturing May 15, 2018 | 3,130 | 3,136,955 |
| | | \$ 28,825,312 |
| Publishing 5.3% | | |
| Advanstar Communications Inc. Term Loan, 5.50%, Maturing April 29, 2019 | 771 | \$ 766,306 |
| American Greetings Corporation Term Loan, 4.00%, Maturing August 9, 2019 | 1,100 | 1,102,750 |
| Ascend Learning, Inc. Term Loan, 7.00%, Maturing May 23, 2017 | 1,908 | 1,910,898 |
| Flint Group SA Term Loan, 6.65%, Maturing December 30, 2016 | 93 | 92,832 |
| Term Loan, 6.65%, Maturing December 30, 2016 | 1,543 | 1,534,543 |
| Term Loan, 6.65%, Maturing December 30, 2016 | 1,614 | 1,613,489 |
| Getty Images, Inc. Term Loan, 4.75%, Maturing October 18, 2019 | 4,739 | 4,177,892 |
| Interactive Data Corporation Term Loan, 3.75%, Maturing February 11, 2018 | 4,129 | 4,136,399 |
| Lamar Media Corporation Term Loan, 4.00%, Maturing December 30, 2016 | 39 | 38,634 |
| Laureate Education, Inc. Term Loan, 5.00%, Maturing June 15, 2018 | 7,440 | 7,499,042 |
| McGraw-Hill Global Education Holdings, LLC Term Loan, 9.00%, Maturing March 22, 2019 | 821 | 836,010 |
| Media General Inc. Term Loan, 3.25%, Maturing July 31, 2020 ⁽⁶⁾ | 1,125 | 1,132,031 |
| Merrill Communications, LLC Term Loan, 7.25%, Maturing March 8, 2018 | 680 | 687,737 |
| Multi Packaging Solutions, Inc. Term Loan, 4.25%, Maturing August 21, 2020 | 375 | 376,719 |
| Nelson Education Ltd. Term Loan, 2.75%, Maturing July 3, 2014 | 441 | 337,445 |
| Penton Media, Inc. Term Loan, 5.50%, Maturing October 1, 2019 | 600 | 595,000 |
| Rentpath, Inc. Term Loan, 6.25%, Maturing May 29, 2020 | 1,047 | 1,027,056 |
| Springer Science+Business Media Deutschland GmbH | | |

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| | | |
|--|-------|----------------------|
| Term Loan, 5.00%, Maturing August 14, 2020 | 1,125 | 1,126,406 |
| Tribune Company | | |
| Term Loan, 4.00%, Maturing December 31, 2019 | 1,687 | 1,690,616 |
| | | \$ 30,681,805 |

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|---|---|----------------------|
| Radio and Television 3.3% | | |
| Clear Channel Communications, Inc. | | |
| Term Loan, 3.82%, Maturing January 29, 2016 | 384 | \$ 373,133 |
| Term Loan, 6.92%, Maturing January 30, 2019 | 1,132 | 1,085,407 |
| Cumulus Media Holdings Inc. | | |
| Term Loan, 4.50%, Maturing September 17, 2018 | 4,434 | 4,473,547 |
| Term Loan - Second Lien, 7.50%, Maturing September 16, 2019 | 1,000 | 1,026,550 |
| Entercom Radio, LLC | | |
| Term Loan, 5.02%, Maturing November 23, 2018 | 447 | 450,781 |
| Foxco Acquisition Sub, LLC | | |
| Term Loan, 5.50%, Maturing July 14, 2017 | 1,307 | 1,313,881 |
| Gray Television, Inc. | | |
| Term Loan, 4.75%, Maturing October 15, 2019 | 440 | 443,192 |
| Hubbard Radio, LLC | | |
| Term Loan, 4.50%, Maturing April 29, 2019 | 806 | 812,522 |
| LIN Television Corp. | | |
| Term Loan, 4.00%, Maturing December 21, 2018 | 590 | 593,852 |
| Mission Broadcasting, Inc. | | |
| Term Loan, 4.25%, Maturing December 3, 2019 | 407 | 408,307 |
| Nexstar Broadcasting, Inc. | | |
| Term Loan, 4.25%, Maturing December 3, 2019 | 962 | 965,803 |
| Nine Entertainment Group Limited | | |
| Term Loan, 3.25%, Maturing February 5, 2020 | 746 | 743,219 |
| Raycom TV Broadcasting, Inc. | | |
| Term Loan, 4.25%, Maturing May 31, 2017 | 855 | 858,520 |
| Sinclair Television Group Inc. | | |
| Term Loan, 3.00%, Maturing April 9, 2020 | 498 | 492,003 |
| TWCC Holding Corp. | | |
| Term Loan, 3.50%, Maturing February 13, 2017 | 1,112 | 1,117,674 |
| Univision Communications Inc. | | |
| Term Loan, 4.50%, Maturing March 2, 2020 | 3,806 | 3,824,049 |
| | | \$ 18,982,440 |

| | | |
|--|-----------|--------------|
| Retailers (Except Food and Drug) 7.4% | | |
| 99 Cents Only Stores | | |
| Term Loan, 4.50%, Maturing January 11, 2019 | 1,945 | \$ 1,964,129 |
| B&M Retail Limited | | |
| Term Loan, 6.01%, Maturing February 18, 2020 | GBP 1,825 | 2,939,614 |
| Bass Pro Group, LLC | | |
| Term Loan, 4.00%, Maturing November 20, 2019 | 1,340 | 1,349,731 |
| CDW LLC | | |
| Term Loan, 3.50%, Maturing April 29, 2020 | 4,951 | 4,931,654 |
| David s Bridal, Inc. | | |
| Term Loan, 5.00%, Maturing October 11, 2019 | 645 | 647,539 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|---|---|------------|
| Retailers (Except Food and Drug) (continued) | | |
| Evergreen Acqco 1 LP | | |
| Term Loan, 5.00%, Maturing July 9, 2019 | 667 | \$ 669,496 |
| Harbor Freight Tools USA, Inc. | | |
| Term Loan, 4.75%, Maturing July 26, 2019 | 1,122 | 1,136,636 |
| Hudson s Bay Company | | |
| Term Loan, Maturing October 7, 2020 ⁽⁴⁾ | 3,925 | 3,981,912 |
| J Crew Group, Inc. | | |
| Term Loan, 4.00%, Maturing March 7, 2018 | 2,051 | 2,061,013 |
| Jo-Ann Stores, Inc. | | |
| Term Loan, 4.00%, Maturing March 16, 2018 | 1,914 | 1,915,955 |
| Michaels Stores, Inc. | | |
| Term Loan, 3.75%, Maturing January 28, 2020 | 2,562 | 2,573,783 |
| National Vision, Inc. | | |
| Term Loan, 7.00%, Maturing August 2, 2018 | 785 | 788,590 |
| Neiman Marcus Group, Inc. (The) | | |
| Term Loan, 5.00%, Maturing October 26, 2020 | 4,300 | 4,333,144 |
| Ollie s Bargain Outlet, Inc. | | |
| Term Loan, 5.25%, Maturing September 27, 2019 | 471 | 472,322 |
| Party City Holdings Inc. | | |
| Term Loan, 4.25%, Maturing July 29, 2019 | 2,360 | 2,369,999 |
| Pep Boys-Manny, Moe & Jack (The) | | |
| Term Loan, 5.00%, Maturing October 11, 2018 | 471 | 474,679 |
| Petco Animal Supplies, Inc. | | |
| Term Loan, 4.00%, Maturing November 24, 2017 | 2,198 | 2,209,969 |
| Pilot Travel Centers LLC | | |
| Term Loan, 3.75%, Maturing March 30, 2018 | 1,751 | 1,756,409 |
| Term Loan, 4.25%, Maturing August 7, 2019 | 593 | 595,710 |
| Spin Holdco Inc. | | |
| Term Loan, 4.25%, Maturing November 14, 2019 | 2,050 | 2,050,855 |
| Toys R Us Property Company I, LLC | | |
| Term Loan, 6.00%, Maturing August 21, 2019 | 825 | 808,706 |
| Visant Corporation | | |
| Term Loan, 5.25%, Maturing December 22, 2016 | 1,280 | 1,257,348 |
| Vivarte SA | | |
| Term Loan, 2.34%, Maturing March 9, 2015 | EUR 29 | 35,823 |
| Term Loan, 2.34%, Maturing March 9, 2015 | EUR 62 | 78,324 |
| Term Loan, 2.34%, Maturing March 9, 2015 | EUR 347 | 435,335 |
| Term Loan, 2.84%, Maturing March 8, 2016 | EUR 18 | 23,072 |
| Term Loan, 2.84%, Maturing March 8, 2016 | EUR 71 | 89,253 |
| Term Loan, 2.84%, Maturing March 8, 2016 | EUR 440 | 552,518 |
| Wilton Brands LLC | | |
| Term Loan, 7.50%, Maturing August 30, 2018 | 618 | 574,275 |

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\$ 43,077,793

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|--|---|----------------------|
| Steel 2.0% | | |
| Essar Steel Algoma, Inc. Term Loan, 8.75%, Maturing September 19, 2014 | 1,040 | \$ 1,057,691 |
| FMG Resources (August 2006) Pty Ltd. Term Loan, 5.25%, Maturing October 18, 2017 | 5,767 | 5,790,013 |
| JFB Firth Rixson Inc. Term Loan, 5.00%, Maturing June 30, 2017 | GBP 744 | 1,193,158 |
| JMC Steel Group, Inc. Term Loan, 4.75%, Maturing April 3, 2017 | 683 | 686,562 |
| Neenah Foundry Company Term Loan, 6.75%, Maturing April 26, 2017 | 463 | 463,125 |
| Patriot Coal Corporation DIP Loan, 9.25%, Maturing December 31, 2013 | 825 | 827,063 |
| SunCoke Energy, Inc. Term Loan, 4.00%, Maturing July 26, 2018 | 152 | 151,382 |
| Waupaca Foundry, Inc. Term Loan, 4.50%, Maturing June 29, 2017 | 1,456 | 1,462,948 |
| | | \$ 11,631,942 |
| Surface Transport 0.5% | | |
| Hertz Corporation (The) Term Loan, 3.75%, Maturing March 12, 2018 | 1,787 | \$ 1,796,735 |
| Swift Transportation Co., Inc. Term Loan, 4.00%, Maturing December 21, 2017 | 1,201 | 1,211,321 |
| | | \$ 3,008,056 |
| Telecommunications 5.3% | | |
| Arris Group, Inc. Term Loan, 3.50%, Maturing April 17, 2020 | 1,045 | \$ 1,042,465 |
| Cellular South, Inc. Term Loan, 3.25%, Maturing May 22, 2020 | 398 | 397,503 |
| Cricket Communications, Inc. Term Loan, 4.75%, Maturing October 10, 2019 | 471 | 474,286 |
| Crown Castle International Corporation Term Loan, 4.75%, Maturing March 9, 2020 | 3,067 | 3,085,284 |
| Crown Castle International Corporation Term Loan, 3.25%, Maturing January 31, 2019 | 2,989 | 2,986,882 |
| Intelsat Jackson Holdings S.A. Term Loan, 4.25%, Maturing April 2, 2018 | 9,801 | 9,867,319 |
| Mitel US Holdings, Inc. Term Loan, 7.00%, Maturing February 27, 2019 | 744 | 751,819 |
| SBA Finance Term Loan, 3.75%, Maturing June 29, 2018 | 343 | 343,719 |
| SBA Finance Term Loan, 3.75%, Maturing September 27, 2019 | 156 | 156,344 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Borrower/Tranche Description | Principal Amount* (000 s omitted) | Value |
|---|---|-----------------------|
| Telecommunications (continued) | | |
| Syniverse Holdings, Inc. | | |
| Term Loan, 4.00%, Maturing April 23, 2019 | 1,188 | \$ 1,192,365 |
| Term Loan, 4.00%, Maturing April 23, 2019 | 1,776 | 1,784,003 |
| Telesat LLC | | |
| Term Loan, 3.50%, Maturing March 28, 2019 | 6,740 | 6,765,218 |
| Windstream Corporation | | |
| Term Loan, 4.00%, Maturing August 8, 2019 | 1,908 | 1,919,602 |
| | | \$ 30,766,809 |
| | | |
| Utilities 2.4% | | |
| AES Corporation | | |
| Term Loan, 3.75%, Maturing June 1, 2018 | 2,677 | \$ 2,698,600 |
| Calpine Construction Finance Company, L.P. | | |
| Term Loan, 3.00%, Maturing May 4, 2020 | 1,047 | 1,036,465 |
| Term Loan, 3.25%, Maturing January 31, 2022 | 399 | 395,841 |
| Calpine Corporation | | |
| Term Loan, 4.00%, Maturing April 2, 2018 | 929 | 935,783 |
| Term Loan, 4.00%, Maturing April 2, 2018 | 2,730 | 2,749,389 |
| Term Loan, 4.00%, Maturing October 9, 2019 | 817 | 822,429 |
| Dynegy Holdings Inc. | | |
| Term Loan, 4.00%, Maturing April 23, 2020 | 967 | 968,534 |
| Equipower Resources Holdings LLC | | |
| Term Loan, 4.25%, Maturing December 31, 2019 | 574 | 577,028 |
| La Frontera Generation, LLC | | |
| Term Loan, 4.50%, Maturing September 30, 2020 | 632 | 637,461 |
| LSP Madison Funding, LLC | | |
| Term Loan, 5.50%, Maturing June 28, 2019 | 534 | 539,117 |
| Power Team Services, LLC | | |
| Term Loan, 3.69%, Maturing May 6, 2020 ⁽⁶⁾ | 33 | 32,833 |
| Term Loan, 4.25%, Maturing May 6, 2020 | 266 | 262,808 |
| Raven Power Finance, LLC | | |
| Term Loan, 7.25%, Maturing November 15, 2018 | 496 | 507,416 |
| Texas Competitive Electric Holdings Company, LLC | | |
| Term Loan, 4.70%, Maturing October 10, 2017 | 2,707 | 1,812,530 |
| | | \$ 13,976,234 |
| | | |
| Total Senior Floating-Rate Interests (identified cost \$822,939,013) | | \$ 824,556,122 |

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Corporate Bonds & Notes 12.3%

| Security | Principal Amount* (000 s omitted) | Value |
|--|---|-------------------|
| Aerospace and Defense 0.0% | | |
| Alliant Techsystems, Inc. 5.25%, 10/1/21 ⁽⁷⁾ | 45 | \$ 45,394 |
| GenCorp, Inc. 7.125%, 3/15/21 ⁽⁷⁾ | 50 | 53,750 |
| | | \$ 99,144 |
| Automotive 0.1% | | |
| American Axle & Manufacturing, Inc. 9.25%, 1/15/17 ⁽⁷⁾ | 51 | \$ 54,315 |
| General Motors Financial Co., Inc. 4.75%, 8/15/17 ⁽⁷⁾ | 70 | 74,375 |
| 3.25%, 5/15/18 ⁽⁷⁾ | 10 | 9,988 |
| 4.25%, 5/15/23 ⁽⁷⁾ | 40 | 38,500 |
| Navistar International Corp. 8.25%, 11/1/21 | 105 | 107,756 |
| | | \$ 284,934 |
| Beverage and Tobacco 0.0% | | |
| Constellation Brands, Inc. 6.00%, 5/1/22 | 105 | \$ 114,975 |
| 4.25%, 5/1/23 | 105 | 100,931 |
| | | \$ 215,906 |
| Brokers, Dealers and Investment Houses 0.0% | | |
| Alliance Data Systems Corp. 6.375%, 4/1/20 ⁽⁷⁾ | 55 | \$ 57,612 |
| E*TRADE Financial Corp. 6.00%, 11/15/17 | 15 | 15,975 |
| 6.375%, 11/15/19 | 45 | 48,375 |
| Nielsen Co. Luxembourg S.a.r.l. (The) 5.50%, 10/1/21 ⁽⁷⁾ | 35 | 36,050 |
| | | \$ 158,012 |
| Building and Development 0.1% | | |
| Brookfield Residential Properties, Inc. 6.50%, 12/15/20 ⁽⁷⁾ | 55 | \$ 56,925 |
| Builders FirstSource, Inc. 7.625%, 6/1/21 ⁽⁷⁾ | 70 | 72,975 |
| HD Supply, Inc. 8.125%, 4/15/19 | 35 | 39,295 |
| 7.50%, 7/15/20 ⁽⁷⁾ | 30 | 31,725 |
| 11.50%, 7/15/20 | 35 | 42,306 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Principal Amount* (000 s omitted) | Value |
|---|---|---------------------|
| Building and Development (continued) | | |
| Interline Brands, Inc. 10.00%, 11/15/18 ⁽⁵⁾ | 130 | \$ 143,000 |
| Nortek, Inc. 10.00%, 12/1/18 | 85 | 94,137 |
| 8.50%, 4/15/21 | 50 | 55,063 |
| USG Corp. 5.875%, 11/1/21 ⁽⁷⁾ | 20 | 20,425 |
| | | \$ 555,851 |
| Business Equipment and Services 0.2% | | |
| ADT Corp. (The) 6.25%, 10/15/21 ⁽⁷⁾ | 105 | \$ 111,562 |
| Education Management, LLC/Education Management Finance Corp. 15.00%, 7/1/18 ⁽¹³⁾ | 56 | 60,587 |
| FTI Consulting, Inc. 6.00%, 11/15/22 | 40 | 41,000 |
| IMS Health, Inc. 6.00%, 11/1/20 ⁽⁷⁾ | 75 | 78,188 |
| Iron Mountain, Inc. 6.00%, 8/15/23 | 95 | 97,137 |
| National CineMedia, LLC 6.00%, 4/15/22 | 790 | 825,550 |
| TransUnion Holding Co., Inc. 8.125%, 6/15/18 | 100 | 107,125 |
| United Rentals North America, Inc. 8.375%, 9/15/20 | 20 | 22,450 |
| 7.625%, 4/15/22 | 25 | 28,125 |
| | | \$ 1,371,724 |
| Cable and Satellite Television 0.3% | | |
| AMC Networks, Inc. 4.75%, 12/15/22 | 35 | \$ 34,038 |
| CCO Holdings, LLC/CCO Capital Corp. 5.25%, 9/30/22 | 155 | 146,475 |
| 5.75%, 1/15/24 | 70 | 66,500 |
| DISH DBS Corp. 6.75%, 6/1/21 | 205 | 222,937 |

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| | | |
|--|-------|---------------------|
| 5.875%, 7/15/22 | 70 | 72,012 |
| Unitymedia Hessen GmbH & Co. KG/Unitymedia NRW GmbH | | |
| 5.50%, 1/15/23 ⁽⁷⁾ | 1,000 | 992,500 |
| | | \$ 1,534,462 |

| Security | Principal Amount* (000 s omitted) | Value |
|----------|--------------------------------------|-------|
|----------|--------------------------------------|-------|

Chemicals and Plastics 1.7%

| | | |
|---|-----------|---------------------|
| Chemtura Corp. | | |
| 5.75%, 7/15/21 | 25 | \$ 25,438 |
| Hexion US Finance Corp. | | |
| 6.625%, 4/15/20 | 2,950 | 3,009,000 |
| Ineos Finance PLC | | |
| 7.25%, 2/15/19 ⁽⁷⁾⁽⁸⁾ | EUR 1,000 | 1,449,397 |
| 8.375%, 2/15/19 ⁽⁷⁾ | 1,825 | 2,041,719 |
| 7.50%, 5/1/20 ⁽⁷⁾ | 800 | 878,000 |
| Milacron, LLC/Mcron Finance Corp. | | |
| 7.75%, 2/15/21 ⁽⁷⁾ | 20 | 21,000 |
| Rockwood Specialties Group, Inc. | | |
| 4.625%, 10/15/20 | 130 | 134,225 |
| Trinseo Materials Operating S.C.A. | | |
| 8.75%, 2/1/19 ⁽⁷⁾ | 2,000 | 2,005,000 |
| Tronox Finance, LLC | | |
| 6.375%, 8/15/20 | 155 | 158,875 |
| | | \$ 9,722,654 |

Clothing / Textiles 0.0%

| | | |
|--|----|------------------|
| Levi Strauss & Co. | | |
| 6.875%, 5/1/22 | 40 | \$ 43,600 |
| Quiksilver, Inc./QS Wholesale, Inc. | | |
| 7.875%, 8/1/18 ⁽⁷⁾ | 10 | 10,750 |
| 10.00%, 8/1/20 ⁽⁷⁾ | 5 | 5,488 |
| SIWF Merger Sub, Inc. | | |
| 6.25%, 6/1/21 ⁽⁷⁾ | 20 | 20,150 |
| | | \$ 79,988 |

Commercial Services 0.0%

| | | |
|---------------------------------|----|------------------|
| TMS International Corp. | | |
| 7.625%, 10/15/21 ⁽⁷⁾ | 45 | \$ 47,250 |
| | | \$ 47,250 |

Conglomerates 0.0%

| | | |
|-------------------------------------|----|-------------------|
| Belden, Inc. | | |
| 5.50%, 9/1/22 ⁽⁷⁾ | 20 | \$ 20,100 |
| Harbinger Group, Inc. | | |
| 7.875%, 7/15/19 ⁽⁷⁾ | 35 | 37,362 |
| Spectrum Brands Escrow Corp. | | |
| 6.375%, 11/15/20 ⁽⁷⁾ | 50 | 53,250 |
| 6.625%, 11/15/22 ⁽⁷⁾ | 70 | 74,900 |
| | | \$ 185,612 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Principal Amount* (000 s omitted) | Value |
|---|---|---------------------|
| Containers and Glass Products 0.7% | | |
| BOE Merger Corp. 9.50%, 11/1/17 ⁽⁵⁾⁽⁷⁾ | 80 | \$ 84,800 |
| Crown Americas, LLC/Crown Americas Capital Corp. IV 4.50%, 1/15/23 ⁽⁷⁾ | 50 | 47,125 |
| Reynolds Group Holdings, Inc. 5.75%, 10/15/20 | 3,875 | 4,020,312 |
| Sealed Air Corp. 8.375%, 9/15/21 ⁽⁷⁾ | 10 | 11,500 |
| | | \$ 4,163,737 |
| Cosmetics / Toiletries 0.1% | | |
| Alphabet Holding Co., Inc. 7.75%, 11/1/17 ⁽⁵⁾ | 125 | \$ 129,453 |
| Party City Holdings, Inc. 8.875%, 8/1/20 ⁽⁷⁾ | 120 | 131,700 |
| Sun Products Corp. (The) 7.75%, 3/15/21 ⁽⁷⁾ | 70 | 63,350 |
| | | \$ 324,503 |
| Diversified Financial Services 0.4% | | |
| Denali Borrower, LLC/Denali Finance Corp. 5.625%, 10/15/20 ⁽⁷⁾ | 60 | \$ 59,550 |
| KION Finance SA 4.725%, 2/15/20 ⁽⁷⁾⁽⁸⁾ | EUR 1,300 | 1,799,210 |
| SLM Corp. 5.50%, 1/15/19 | 160 | 166,338 |
| | | \$ 2,025,098 |
| Drugs 0.1% | | |
| Capsugel SA 7.00%, 5/15/19 ⁽⁵⁾⁽⁷⁾ | 25 | \$ 25,000 |
| Valeant Pharmaceuticals International, Inc. 6.375%, 10/15/20 ⁽⁷⁾ | 240 | 257,400 |
| 7.50%, 7/15/21 ⁽⁷⁾ | 70 | 78,050 |

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\$ 360,450

Ecological Services and Equipment 0.1%

ADS Waste Holdings, Inc.

8.25%, 10/1/20⁽⁷⁾ 50 \$ 52,750

Clean Harbors, Inc.

5.25%, 8/1/20 50 51,625

5.125%, 6/1/21 25 25,469

**Principal
Amount***
(000 s omitted) **Value**

Security

Ecological Services and Equipment (continued)

Environmental Systems Product Holdings, Inc.

16.00%, 3/31/15⁽²⁾⁽⁷⁾ 531 \$ 449,638

\$ 579,482

Electronics / Electrical 0.1%

Alcatel-Lucent USA, Inc.

8.875%, 1/1/20⁽⁷⁾ 200 \$ 217,250

BMC Software Finance, Inc.

8.125%, 7/15/21⁽⁷⁾ 95 100,937

CommScope Holding Co., Inc.

6.625%, 6/1/20⁽⁵⁾⁽⁷⁾ 55 56,513

Freescale Semiconductor, Inc.

6.00%, 1/15/22⁽⁷⁾ 55 55,756

Infor US, Inc.

9.375%, 4/1/19 60 68,100

NCR Corp.

5.00%, 7/15/22 60 59,400

Nuance Communications, Inc.

5.375%, 8/15/20⁽⁷⁾ 120 119,700

\$ 677,656

Entertainment 0.0%

GLP Capital, LP/GLP Financing II, Inc.

4.375%, 11/1/18⁽⁷⁾ 10 \$ 10,225

4.875%, 11/1/20⁽⁷⁾ 105 106,050

5.375%, 11/1/23⁽⁷⁾ 60 60,750

\$ 177,025

Equipment Leasing 0.4%

Air Lease Corp.

4.50%, 1/15/16 260 \$ 274,300

International Lease Finance Corp.

8.625%, 9/15/15 1,000 1,116,250

6.75%, 9/1/16⁽⁷⁾ 350 390,688

7.125%, 9/1/18⁽⁷⁾ 350 404,687

\$ 2,185,925

Financial Intermediaries 1.3%

Ally Financial, Inc.

2.46%, 12/1/14⁽⁸⁾ 55 \$ 55,338

0.00%, 6/15/15 80 75,700

3.50%, 7/18/16 500 513,750

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Principal Amount* (000 s omitted) | Value |
|---|---|---------------------|
| Financial Intermediaries (continued) | | |
| CIT Group, Inc. | | |
| 5.50%, 2/15/19 ⁽⁷⁾ | 45 | \$ 48,938 |
| 5.375%, 5/15/20 | 10 | 10,763 |
| 5.00%, 8/15/22 | 20 | 20,338 |
| First Data Corp. | | |
| 7.375%, 6/15/19 ⁽⁷⁾ | 1,000 | 1,081,250 |
| 6.75%, 11/1/20 ⁽⁷⁾ | 1,480 | 1,574,350 |
| 11.25%, 1/15/21 ⁽⁷⁾ | 65 | 71,744 |
| 10.625%, 6/15/21 ⁽⁷⁾ | 65 | 70,119 |
| Ford Motor Credit Co., LLC | | |
| 12.00%, 5/15/15 | 2,250 | 2,634,869 |
| Lender Processing Services, Inc. | | |
| 5.75%, 4/15/23 | 75 | 78,562 |
| UPCB Finance II, Ltd. | | |
| 6.375%, 7/1/20 ⁽⁷⁾ | EUR 1,000 | 1,453,063 |
| | | \$ 7,688,784 |
| Food Products 0.0% | | |
| B&G Foods, Inc. | | |
| 4.625%, 6/1/21 | 25 | \$ 24,469 |
| Michael Foods Holding, Inc. | | |
| 8.50%, 7/15/18 ⁽⁵⁾⁽⁷⁾ | 50 | 52,750 |
| Post Holdings, Inc. | | |
| 7.375%, 2/15/22 ⁽⁷⁾ | 15 | 16,069 |
| | | \$ 93,288 |
| Food Service 0.0% | | |
| Aramark Corp. | | |
| 5.75%, 3/15/20 ⁽⁷⁾ | 35 | \$ 36,838 |
| Pinnacle Operating Corp. | | |
| 9.00%, 11/15/20 ⁽⁷⁾ | 40 | 41,900 |
| | | \$ 78,738 |
| Food / Drug Retailers 0.0% | | |
| Pantry, Inc. (The) | | |

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| | | | |
|----------------|----|----|---------------|
| 8.375%, 8/1/20 | 70 | \$ | 74,725 |
| | | \$ | 74,725 |

Health Care 1.0%

| | | | |
|---|-----|----|---------|
| Accellent, Inc. 8.375%, 2/1/17 | 135 | \$ | 142,256 |
| Air Medical Group Holdings, Inc. 9.25%, 11/1/18 | 4 | | 4,340 |

Security

| | |
|---|--------------|
| Principal Amount* (000 s omitted) | Value |
|---|--------------|

Health Care (continued)

| | | | |
|--|-------|----|---------------------|
| Alere, Inc. 8.625%, 10/1/18 | 45 | \$ | 49,106 |
| 6.50%, 6/15/20 | 35 | | 36,225 |
| Amsurg Corp. 5.625%, 11/30/20 | 20 | | 20,200 |
| Biomet, Inc. 6.50%, 8/1/20 | 170 | | 181,475 |
| Community Health Systems, Inc. 5.125%, 8/15/18 | 2,190 | | 2,283,075 |
| 7.125%, 7/15/20 | 120 | | 126,450 |
| ConvaTec Finance International SA 8.25%, 1/15/19 ⁽⁵⁾⁽⁷⁾ | 200 | | 206,750 |
| DaVita, Inc. 5.75%, 8/15/22 | 215 | | 221,719 |
| HCA Holdings, Inc. 6.25%, 2/15/21 | 85 | | 89,463 |
| HCA, Inc. 6.50%, 2/15/20 | 20 | | 22,300 |
| 4.75%, 5/1/23 | 1,050 | | 1,014,562 |
| Hologic, Inc. 6.25%, 8/1/20 | 245 | | 261,537 |
| INC Research, LLC 11.50%, 7/15/19 ⁽⁷⁾ | 55 | | 60,225 |
| Kinetic Concepts, Inc./KCI USA, Inc. 10.50%, 11/1/18 | 45 | | 50,766 |
| MPH Intermediate Holding Co. 2 8.375%, 8/1/18 ⁽⁵⁾⁽⁷⁾ | 180 | | 187,650 |
| Tenet Healthcare Corp. 6.00%, 10/1/20 ⁽⁷⁾ | 55 | | 58,266 |
| 4.375%, 10/1/21 ⁽⁷⁾ | 600 | | 576,750 |
| 8.125%, 4/1/22 ⁽⁷⁾ | 105 | | 115,238 |
| United Surgical Partners International, Inc. 9.00%, 4/1/20 | 60 | | 67,500 |
| VWR Funding, Inc. 7.25%, 9/15/17 | 90 | | 96,300 |
| | | | \$ 5,872,153 |

Home Furnishings 0.2%

| | | | |
|---|---------|----|---------------------|
| Libbey Glass, Inc. 6.875%, 5/15/20 | 662 | \$ | 714,960 |
| Sanitec Corp. 4.976%, 5/15/18 ⁽⁷⁾⁽⁸⁾ | EUR 250 | | 345,802 |
| Tempur Sealy International, Inc. 6.875%, 12/15/20 | 40 | | 42,900 |
| | | | \$ 1,103,662 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Principal Amount* (000 s omitted) | Value |
|--|---|---------------------|
| Homebuilders / Real Estate 0.0% | | |
| BC Mountain, LLC/BC Mountain Finance, Inc. 7.00%, 2/1/21 ⁽⁷⁾ | 65 | \$ 66,138 |
| | | \$ 66,138 |
| Industrial Equipment 0.0% | | |
| Erikson Air-Crane, Inc., Promissory Note 6.00%, 11/2/20 ⁽²⁾⁽⁹⁾ | 76 | \$ 58,736 |
| Manitowoc Co., Inc. (The) 5.875%, 10/15/22 | 40 | 40,600 |
| | | \$ 99,336 |
| Insurance 0.4% | | |
| A-S Co-Issuer Subsidiary, Inc./A-S Merger Sub, LLC 7.875%, 12/15/20 ⁽⁷⁾ | 45 | \$ 46,800 |
| CNO Financial Group, Inc. 6.375%, 10/1/20 ⁽⁷⁾ | 1,050 | 1,110,375 |
| Onex USI Acquisition Corp. 7.75%, 1/15/21 ⁽⁷⁾ | 115 | 117,875 |
| Towergate Finance PLC 6.014%, 2/15/18 ⁽⁷⁾⁽⁸⁾ | GBP 650 | 1,042,209 |
| | | \$ 2,317,259 |
| Leisure Goods / Activities / Movies 0.1% | | |
| Activision Blizzard, Inc. 6.125%, 9/15/23 ⁽⁷⁾ | 35 | \$ 36,662 |
| AMC Entertainment, Inc. 8.75%, 6/1/19 | 110 | 118,937 |
| Bombardier, Inc. 4.25%, 1/15/16 ⁽⁷⁾ | 50 | 52,375 |
| MISA Investments, Ltd. 8.625%, 8/15/18 ⁽⁵⁾⁽⁷⁾ | 55 | 57,062 |
| NCL Corp., Ltd. 5.00%, 2/15/18 ⁽⁷⁾ | 30 | 30,412 |
| Regal Entertainment Group 5.75%, 2/1/25 | 25 | 23,938 |

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| | | |
|---|--------------------------|---------------------|
| Royal Caribbean Cruises | | |
| 6.875%, 12/1/13 | 35 | 35,219 |
| 7.25%, 6/15/16 | 25 | 28,313 |
| 7.25%, 3/15/18 | 50 | 57,500 |
| Seven Seas Cruises, S. de R.L. | | |
| 9.125%, 5/15/19 | 65 | 71,744 |
| Viking Cruises, Ltd. | | |
| 8.50%, 10/15/22 ⁽⁷⁾ | 60 | 67,500 |
| | Principal Amount* | |
| Security | (000 s omitted) | Value |
| | | |
| Leisure Goods / Activities / Movies (continued) | | |
| WMG Acquisition Corp. | | |
| 6.00%, 1/15/21 ⁽⁷⁾ | 45 \$ | 47,475 |
| | | \$ 627,137 |
| | | |
| Lodging and Casinos 0.8% | | |
| Buffalo Thunder Development Authority | | |
| 9.375%, 12/15/14 ⁽⁷⁾⁽¹⁰⁾ | 480 \$ | 182,400 |
| Caesars Entertainment Operating Co., Inc. | | |
| 8.50%, 2/15/20 | 2,100 | 1,946,437 |
| 9.00%, 2/15/20 | 555 | 523,088 |
| 9.00%, 2/15/20 | 1,175 | 1,107,437 |
| Hilton Worldwide Finance, LLC/Hilton Worldwide Finance Corp. | | |
| 5.625%, 10/15/21 ⁽⁷⁾ | 175 | 180,141 |
| Inn of the Mountain Gods Resort & Casino | | |
| 9.25%, 11/30/20 ⁽⁷⁾ | 58 | 55,390 |
| MGM Resorts International | | |
| 6.625%, 12/15/21 | 120 | 128,400 |
| 7.75%, 3/15/22 | 30 | 34,125 |
| Mohegan Tribal Gaming Authority | | |
| 11.00%, 9/15/18 ⁽⁷⁾ | 50 | 50,219 |
| Penn National Gaming, Inc. | | |
| 5.875%, 11/1/21 ⁽⁷⁾ | 45 | 45,225 |
| Station Casinos, LLC | | |
| 7.50%, 3/1/21 | 85 | 91,588 |
| SugarHouse HSP Gaming Property, LP/SugarHouse HSP Gaming Finance Corp. | | |
| 6.375%, 6/1/21 ⁽⁷⁾ | 20 | 19,250 |
| Tunica-Biloxi Gaming Authority | | |
| 9.00%, 11/15/15 ⁽⁷⁾ | 310 | 283,650 |
| Waterford Gaming, LLC | | |
| 8.625%, 9/15/14 ⁽²⁾⁽⁷⁾ | 142 | 66,498 |
| | | \$ 4,713,848 |
| | | |
| Mining, Steel, Iron and Nonprecious Metals 0.1% | | |
| ArcelorMittal | | |
| 6.75%, 2/25/22 | 25 \$ | 27,312 |
| Eldorado Gold Corp. | | |
| 6.125%, 12/15/20 ⁽⁷⁾ | 120 | 120,000 |
| IAMGOLD Corp. | | |
| 6.75%, 10/1/20 ⁽⁷⁾ | 100 | 89,750 |
| Inmet Mining Corp. | | |
| 8.75%, 6/1/20 ⁽⁷⁾ | 30 | 33,300 |
| 7.50%, 6/1/21 ⁽⁷⁾ | 50 | 53,250 |
| | | \$ 323,612 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Principal Amount* (000 s omitted) | Value |
|---|---|-------------------|
| Nonferrous Metals / Minerals 0.0% | | |
| New Gold, Inc. | | |
| 7.00%, 4/15/20 ⁽⁷⁾ | 40 | \$ 41,550 |
| 6.25%, 11/15/22 ⁽⁷⁾ | 70 | 69,300 |
| | | \$ 110,850 |
| Oil and Gas 0.6% | | |
| Antero Resources Finance Corp. | | |
| 6.00%, 12/1/20 | 15 | \$ 15,900 |
| 5.375%, 11/1/21 ⁽⁷⁾ | 85 | 86,434 |
| Atlas Energy Holdings Operating Co., LLC | | |
| 7.75%, 1/15/21 ⁽⁷⁾ | 30 | 28,500 |
| Atlas Pipeline Partners, LP | | |
| 4.75%, 11/15/21 ⁽⁷⁾ | 30 | 28,350 |
| Berry Petroleum Co. | | |
| 6.375%, 9/15/22 | 20 | 20,700 |
| Bonanza Creek Energy, Inc. | | |
| 6.75%, 4/15/21 | 70 | 74,550 |
| Bristow Group, Inc. | | |
| 6.25%, 10/15/22 | 80 | 84,300 |
| Chesapeake Energy Corp. | | |
| 6.125%, 2/15/21 | 115 | 126,213 |
| 5.75%, 3/15/23 | 100 | 106,500 |
| Concho Resources, Inc. | | |
| 5.50%, 4/1/23 | 165 | 172,012 |
| Continental Resources, Inc. | | |
| 5.00%, 9/15/22 | 160 | 167,400 |
| 4.50%, 4/15/23 | 35 | 35,481 |
| CrownRock, LP/CrownRock Finance, Inc. | | |
| 7.125%, 4/15/21 ⁽⁷⁾ | 70 | 70,700 |
| CVR Refining, LLC/Coffeyville Finance, Inc. | | |
| 6.50%, 11/1/22 | 125 | 125,938 |
| Energy Transfer Equity, L.P. | | |
| 7.50%, 10/15/20 | 60 | 69,600 |
| EP Energy, LLC/EP Energy Finance, Inc. | | |
| 9.375%, 5/1/20 | 210 | 243,600 |
| EP Energy, LLC/Everest Acquisition Finance, Inc. | | |
| 6.875%, 5/1/19 | 290 | 313,200 |
| 7.75%, 9/1/22 | 35 | 39,550 |
| EPL Oil & Gas, Inc. | | |
| 8.25%, 2/15/18 | 75 | 80,813 |

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| | | |
|--|------------------------------|---------------------|
| Kodiak Oil & Gas Corp. 5.50%, 1/15/21 ⁽⁷⁾ | 15 | 15,450 |
| Laredo Petroleum, Inc. 7.375%, 5/1/22 | 90 | 97,875 |
| | Principal Amount* | Value |
| Security | (000 s omitted) | |
| Oil and Gas (continued) | | |
| MEG Energy Corp. 6.375%, 1/30/23 ⁽⁷⁾ | 100 | \$ 101,125 |
| Murphy Oil USA, Inc. 6.00%, 8/15/23 ⁽⁷⁾ | 135 | 137,700 |
| Newfield Exploration Co. 5.625%, 7/1/24 | 120 | 123,000 |
| Oasis Petroleum, Inc. 6.875%, 3/15/22 ⁽⁷⁾ | 80 | 86,800 |
| 6.875%, 1/15/23 | 135 | 147,150 |
| Plains Exploration & Production Co. 6.875%, 2/15/23 | 185 | 205,812 |
| Rosetta Resources, Inc. 5.625%, 5/1/21 | 60 | 60,900 |
| Sabine Pass Liquefaction, LLC 5.625%, 2/1/21 ⁽⁷⁾ | 170 | 172,550 |
| Sabine Pass LNG, LP 6.50%, 11/1/20 | 100 | 105,000 |
| Samson Investment Company 10.25%, 2/15/20 ⁽⁷⁾ | 30 | 32,550 |
| SandRidge Energy, Inc. 7.50%, 3/15/21 | 30 | 31,950 |
| 8.125%, 10/15/22 | 5 | 5,350 |
| Seven Generations Energy, Ltd. 8.25%, 5/15/20 ⁽⁷⁾ | 70 | 75,250 |
| SM Energy Co. 6.50%, 1/1/23 | 75 | 80,625 |
| Tesoro Corp. 5.375%, 10/1/22 | 105 | 104,475 |
| | | \$ 3,473,303 |
| Pipelines 0.0% | | |
| Kinder Morgan, Inc. 5.00%, 2/15/21 ⁽⁷⁾ | 75 | \$ 75,200 |
| 5.625%, 11/15/23 ⁽⁷⁾ | 40 | 40,000 |
| | | \$ 115,200 |
| Publishing 0.1% | | |
| Laureate Education, Inc. 9.25%, 9/1/19 ⁽⁷⁾ | 605 | \$ 668,525 |
| McGraw-Hill Global Education Holdings, LLC/McGraw-Hill Global Education Finance 9.75%, 4/1/21 ⁽⁷⁾ | 115 | 124,775 |
| | | \$ 793,300 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Principal Amount* (000 s omitted) | Value |
|--|---|---------------------|
| Radio and Television 0.4% | | |
| Clear Channel Communications, Inc. 9.00%, 12/15/19 | 953 | \$ 972,060 |
| 11.25%, 3/1/21 | 90 | 97,087 |
| Clear Channel Worldwide Holdings, Inc. Series A, 6.50%, 11/15/22 | 50 | 52,250 |
| Series B, 6.50%, 11/15/22 | 90 | 94,950 |
| Sirius XM Radio, Inc. 5.875%, 10/1/20 ⁽⁷⁾ | 75 | 77,813 |
| Starz, LLC/Starz Finance Corp. 5.00%, 9/15/19 | 70 | 71,050 |
| Univision Communications, Inc. 6.75%, 9/15/22 ⁽⁷⁾ | 825 | 903,375 |
| 5.125%, 5/15/23 ⁽⁷⁾ | 45 | 44,775 |
| | | \$ 2,313,360 |
| Real Estate Investment Trusts (REITs) 0.0% | | |
| RHP Hotel Properties, LP/RHP Finance Corp. 5.00%, 4/15/21 ⁽⁷⁾ | 15 | \$ 14,588 |
| | | \$ 14,588 |
| Retailers (Except Food and Drug) 0.3% | | |
| Burlington Holdings, LLC/Burlington Holding Finance, Inc. 9.00%, 2/15/18 ⁽⁵⁾⁽⁷⁾ | 26 | \$ 26,813 |
| Claire's Stores, Inc. 9.00%, 3/15/19 ⁽⁷⁾ | 130 | 145,925 |
| 6.125%, 3/15/20 ⁽⁷⁾ | 80 | 81,000 |
| Hot Topic, Inc. 9.25%, 6/15/21 ⁽⁷⁾ | 130 | 136,825 |
| Michaels FinCo Holdings, LLC/Michaels FinCo, Inc. 7.50%, 8/1/18 ⁽⁵⁾⁽⁷⁾ | 235 | 243,812 |
| Michaels Stores, Inc. 7.75%, 11/1/18 | 60 | 65,025 |
| Neiman Marcus Group, Ltd., Inc. 8.00%, 10/15/21 ⁽⁷⁾ | 50 | 51,438 |
| 8.75%, 10/15/21 ⁽⁵⁾⁽⁷⁾ | 60 | 61,950 |
| New Academy Finance Co., LLC/New Academy Finance Corp. 8.00%, 6/15/18 ⁽⁵⁾⁽⁷⁾ | 115 | 118,162 |
| Petco Holdings, Inc. | | |

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| | | |
|--|-----|---------------------|
| 8.50%, 10/15/17 ⁽⁵⁾⁽⁷⁾ | 200 | 205,000 |
| Radio Systems Corp. | | |
| 8.375%, 11/1/19 ⁽⁷⁾ | 60 | 66,450 |
| Sally Holdings, LLC/Sally Capital, Inc. | | |
| 5.75%, 6/1/22 | 175 | 182,437 |
| | | \$ 1,384,837 |

| Security | Principal Amount* (000 s omitted) | Value |
|----------|--------------------------------------|-------|
|----------|--------------------------------------|-------|

| | | |
|---|----|-------------------|
| Software and Services 0.0% | | |
| Audatex North America, Inc. | | |
| 6.00%, 6/15/21 ⁽⁷⁾ | 50 | \$ 51,875 |
| Healthcare Technology Intermediate, Inc. | | |
| 7.375%, 9/1/18 ⁽⁵⁾⁽⁷⁾ | 75 | 77,906 |
| | | \$ 129,781 |

| | | |
|-----------------------|----|------------------|
| Steel 0.0% | | |
| AK Steel Corp. | | |
| 8.75%, 12/1/18 | 35 | \$ 38,675 |
| | | \$ 38,675 |

| | | |
|--|----|------------------|
| Surface Transport 0.0% | | |
| Hertz Corp. (The) | | |
| 6.25%, 10/15/22 | 50 | \$ 52,625 |
| Watco Cos., LLC/Watco Finance Corp. | | |
| 6.375%, 4/1/23 ⁽⁷⁾ | 35 | 34,825 |
| | | \$ 87,450 |

| | | |
|---|-------|-----------|
| Telecommunications 1.3% | | |
| Avaya, Inc. | | |
| 9.00%, 4/1/19 ⁽⁷⁾ | 50 | \$ 50,500 |
| 10.50%, 3/1/21 ⁽⁷⁾ | 485 | 424,375 |
| Crown Castle International Corp. | | |
| 5.25%, 1/15/23 | 100 | 99,500 |
| Frontier Communications Corp. | | |
| 7.625%, 4/15/24 | 55 | 58,300 |
| Hughes Satellite Systems Corp. | | |
| 6.50%, 6/15/19 | 1,000 | 1,077,500 |
| Intelsat Jackson Holdings SA | | |
| 7.25%, 10/15/20 | 160 | 174,400 |
| Intelsat Luxembourg SA | | |
| 7.75%, 6/1/21 ⁽⁷⁾ | 155 | 164,106 |
| 8.125%, 6/1/23 ⁽⁷⁾ | 120 | 127,350 |
| MetroPCS Wireless, Inc. | | |
| 6.25%, 4/1/21 ⁽⁷⁾ | 40 | 42,000 |
| 6.625%, 4/1/23 ⁽⁷⁾ | 55 | 57,750 |
| NII International Telecom SCA | | |
| 7.875%, 8/15/19 ⁽⁷⁾ | 70 | 61,250 |
| SBA Communications Corp. | | |
| 5.625%, 10/1/19 | 60 | 61,950 |
| SBA Telecommunications, Inc. | | |
| 5.75%, 7/15/20 | 85 | 88,825 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Principal Amount* (000 s omitted) | Value |
|---|---|----------------------|
| Telecommunications (continued) | | |
| Softbank Corp. 4.50%, 4/15/20 ⁽⁷⁾ | 200 | \$ 198,050 |
| Sprint Corp. 7.25%, 9/15/21 ⁽⁷⁾ | 75 | 81,094 |
| 7.875%, 9/15/23 ⁽⁷⁾ | 170 | 184,875 |
| Sprint Nextel Corp. 7.00%, 8/15/20 | 655 | 705,762 |
| 6.00%, 11/15/22 | 110 | 108,900 |
| T-Mobile USA, Inc. 6.633%, 4/28/21 | 50 | 53,063 |
| 6.731%, 4/28/22 | 35 | 37,100 |
| 6.836%, 4/28/23 | 15 | 15,919 |
| Virgin Media Secure Finance PLC 5.375%, 4/15/21 ⁽⁷⁾ | 925 | 934,250 |
| 6.00%, 4/15/21 ⁽⁷⁾ | GBP 950 | 1,580,350 |
| Wind Acquisition Finance SA 5.479%, 4/30/19 ⁽⁷⁾⁽⁸⁾ | EUR 500 | 692,452 |
| 6.50%, 4/30/20 ⁽⁷⁾ | 475 | 491,625 |
| Windstream Corp. 7.75%, 10/1/21 ⁽⁷⁾ | 90 | 96,525 |
| 6.375%, 8/1/23 | 40 | 39,000 |
| | | \$ 7,706,771 |
| Utilities 1.4% | | |
| Calpine Corp. 7.50%, 2/15/21 ⁽⁷⁾ | 4,253 | \$ 4,614,505 |
| 7.875%, 1/15/23 ⁽⁷⁾ | 3,015 | 3,293,887 |
| Energy Future Intermediate Holding Co., LLC/EFIH Finance, Inc. 6.875%, 8/15/17 ⁽⁷⁾ | 35 | 35,963 |
| | | \$ 7,944,355 |
| Total Corporate Bonds & Notes (identified cost \$68,861,145) | | \$ 71,920,563 |
| Asset-Backed Securities 2.6% | | |

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| Security | Principal Amount (000 s omitted) | Value |
|--|---|----------------------|
| Babson Ltd., Series 2005-1A, Class C1, 2.194%, 4/15/19 ⁽⁷⁾⁽⁸⁾ | \$ 753 | \$ 720,226 |
| Babson Ltd., Series 2013-1A, Class C, 2.942%, 4/20/25 ⁽⁷⁾⁽⁸⁾ | 450 | 439,445 |
| Babson Ltd., Series 2013-1A, Class D, 3.742%, 4/20/25 ⁽⁷⁾⁽⁸⁾ | 350 | 336,943 |
| | Principal Amount (000 s omitted) | Value |
| Security | | |
| Babson Ltd., Series 2013-1A, Class E, 4.642%, 4/20/25 ⁽⁷⁾⁽⁸⁾ | \$ 225 | \$ 203,692 |
| Centurion CDO VIII Ltd., Series 2005-8A, Class D, 5.758%, 3/8/17 ⁽⁷⁾⁽⁸⁾ | 985 | 984,999 |
| Centurion CDO IX Ltd., Series 2005-9A, Class D1, 4.994%, 7/17/19 ⁽⁷⁾⁽⁸⁾ | 750 | 709,572 |
| CIFC Funding, Ltd., Series 2013-2A, Class A3L, 2.896%, 4/21/25 ⁽⁷⁾⁽⁸⁾ | 2,650 | 2,545,216 |
| Comstock Funding Ltd., Series 2006-1A, Class D, 4.511%, 5/30/20 ⁽⁷⁾⁽⁸⁾ | 692 | 642,894 |
| Dryden Senior XXII Loan Fund, Series 2013-28A, Class A3L, 2.992%, 8/15/25 ⁽⁷⁾⁽⁸⁾ | 1,500 | 1,468,006 |
| Dryden Senior XXII Loan Fund, Series 2013-28A, Class B1L, 3.492%, 8/15/25 ⁽⁷⁾⁽⁸⁾ | 640 | 596,744 |
| Dryden Senior XXII Loan Fund, Series 2013-28A, Class B2L, 4.192%, 8/15/25 ⁽⁷⁾⁽⁸⁾ | 430 | 364,197 |
| Oak Hill Credit Partners VIII Ltd., Series 2013-8A, Class C, 2.942%, 4/20/25 ⁽⁷⁾⁽⁸⁾ | 400 | 385,988 |
| Oak Hill Credit Partners VIII Ltd., Series 2013-8A, Class D, 3.742%, 4/20/25 ⁽⁷⁾⁽⁸⁾ | 450 | 428,775 |
| Octagon Investment Partners XVI Ltd., Series 2013-1A, Class C1, 3.022%, 7/17/25 ⁽⁷⁾⁽⁸⁾ | 925 | 896,870 |
| Octagon Investment Partners XVI Ltd., Series 2013-1A, Class D, 3.622%, 7/17/25 ⁽⁷⁾⁽⁸⁾ | 925 | 873,191 |
| Octagon Investment Partners XVI Ltd., Series 2013-1A, Class E, 4.772%, 7/17/25 ⁽⁷⁾⁽⁸⁾ | 1,125 | 1,012,816 |
| Race Point CLO, Ltd., Series 2012-7A, Class D, 4.516%, 11/8/24 ⁽⁷⁾⁽⁸⁾ | 1,750 | 1,744,360 |
| Schiller Park CLO Ltd., Series 2007-1A, Class D, 2.488%, 4/25/21 ⁽⁷⁾⁽⁸⁾ | 1,000 | 953,223 |
| Total Asset-Backed Securities (identified cost \$15,205,686) | | \$ 15,307,157 |

Common Stocks 1.0%

| Security | Shares | Value |
|---|---------------|-------------------|
| Automotive 0.1% | | |
| Dayco Products, LLC ⁽²⁾⁽⁹⁾⁽¹¹⁾ | 18,702 | \$ 757,431 |
| | | \$ 757,431 |
| Building and Development 0.1% | | |
| Panolam Holdings Co. ⁽²⁾⁽¹¹⁾⁽¹²⁾ | 253 | \$ 246,569 |
| United Subcontractors, Inc. ⁽²⁾⁽⁹⁾ | 536 | 8,347 |
| | | \$ 254,916 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

| Security | Shares | Value |
|---|-----------------|-------------------------|
| Ecological Services and Equipment 0.1% Environmental Systems Products Holdings, Inc. ⁽²⁾⁽¹¹⁾⁽¹²⁾ | 6,211 | \$ 539,612 |
| | | \$ 539,612 |
| Food Service 0.1% Buffets Restaurants Holdings, Inc. ⁽²⁾⁽⁹⁾⁽¹¹⁾ | 44,318 | \$ 254,829 |
| | | \$ 254,829 |
| Lodging and Casinos 0.1% Greektown Superholdings, Inc. ⁽¹¹⁾ Tropicana Entertainment, Inc. ⁽⁹⁾⁽¹¹⁾ | 71 35,670 | \$ 5,680 702,342 |
| | | \$ 708,022 |
| Nonferrous Metals / Minerals 0.0% ⁽³⁾ Euramax International, Inc. ⁽⁹⁾⁽¹¹⁾ | 701 | \$ 145,499 |
| | | \$ 145,499 |
| Publishing 0.5% ION Media Networks, Inc. ⁽²⁾⁽⁹⁾ MediaNews Group, Inc. ⁽²⁾⁽⁹⁾⁽¹¹⁾ | 3,990 10,718 | \$ 2,606,188 275,665 |
| | | \$ 2,881,853 |
| Total Common Stocks (identified cost \$2,739,567) | | \$ 5,542,162 |
| Preferred Stocks 0.0% ⁽³⁾ | | |
| Security | Shares | Value |

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| | | |
|--|-------|-----------|
| Ecological Services and Equipment 0.0% | | |
| Environmental Systems Products Holdings, Inc., Series A ⁽²⁾⁽¹¹⁾⁽¹²⁾ | 1,422 | \$ 89,529 |

| | | |
|--|--|-----------|
| Total Preferred Stocks (identified cost \$24,885) | | \$ 89,529 |
|--|--|-----------|

Miscellaneous 0.0%

| | | |
|-----------------|---------------|--------------|
| Security | Shares | Value |
|-----------------|---------------|--------------|

| | | |
|--|---------|-----------|
| Oil and Gas 0.0% | | |
| SemGroup Corp., Escrow Certificate ⁽¹¹⁾ | 540,000 | \$ 10,800 |

| | | |
|--|--|-----------|
| Total Miscellaneous (identified cost \$0) | | \$ 10,800 |
|--|--|-----------|

Short-Term Investments 1.1%

| | | |
|--------------------|-------------------------------------|--------------|
| Description | Interest (000 s omitted) | Value |
|--------------------|-------------------------------------|--------------|

| | | |
|--|----------|--------------|
| Eaton Vance Cash Reserves Fund, LLC, 0.14% ⁽¹⁴⁾ | \$ 6,115 | \$ 6,115,071 |
|--|----------|--------------|

| | | |
|---|--|--------------|
| Total Short-Term Investments (identified cost \$6,115,071) | | \$ 6,115,071 |
|---|--|--------------|

| | | |
|---|--|----------------|
| Total Investments 158.5% (identified cost \$915,885,367) | | \$ 923,541,404 |
|---|--|----------------|

| | | |
|---------------------------------------|--|----------------|
| Less Unfunded Loan Commitments (0.2)% | | \$ (1,143,833) |
|---------------------------------------|--|----------------|

| | | |
|---|--|----------------|
| Net Investments 158.3% (identified cost \$914,741,534) | | \$ 922,397,571 |
|---|--|----------------|

| | | |
|--|--|------------------|
| Other Assets, Less Liabilities (35.8)% | | \$ (208,568,454) |
|--|--|------------------|

| | | |
|---|--|------------------|
| Auction Preferred Shares Plus Cumulative Unpaid Dividends (22.5)% | | \$ (131,305,824) |
|---|--|------------------|

| | | |
|---|--|----------------|
| Net Assets Applicable to Common Shares 100.0% | | \$ 582,523,293 |
|---|--|----------------|

The percentage shown for each investment category in the Portfolio of Investments is based on net assets applicable to common shares.

| | |
|-----|------------------------|
| DIP | Debtor In Possession |
| EUR | Euro |
| GBP | British Pound Sterling |

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* In U.S. dollars unless otherwise indicated.

- (1) Senior floating-rate interests (Senior Loans) often require prepayments from excess cash flows or permit the borrowers to repay at their election. The degree to which borrowers repay, whether as a contractual requirement or at their election, cannot be predicted with accuracy. As a result, the actual remaining maturity may be substantially less than the stated maturities shown. However, Senior Loans will have an expected average life of approximately two to four years. The stated interest rate represents the weighted average interest rate of all contracts within the senior loan facility and includes commitment fees on unfunded loan commitments, if any. Senior Loans typically have rates of interest which are redetermined either daily, monthly, quarterly or semi-annually by reference to a base lending rate, plus a premium. These base lending rates are primarily the London Interbank Offered Rate (LIBOR) and secondarily, the prime rate offered by one or more major United States banks (the Prime Rate) and the certificate of deposit (CD) rate or other base lending rates used by commercial lenders.
- (2) For fair value measurement disclosure purposes, security is categorized as Level 3 (see Note 13).
- (3) Amount is less than 0.05%.
- (4) This Senior Loan will settle after October 31, 2013, at which time the interest rate will be determined.
- (5) Represents a payment-in-kind security which may pay all or a portion of interest in additional par. The interest rate paid in additional par is generally higher than the indicated cash rate.
- (6) Unfunded or partially unfunded loan commitments. See Note 1G for description.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Portfolio of Investments continued

- (7) Security exempt from registration pursuant to Rule 144A under the Securities Act of 1933. These securities may be sold in certain transactions (normally to qualified institutional buyers) and remain exempt from registration. At October 31, 2013, the aggregate value of these securities is \$55,468,292 or 9.5% of the Trust's net assets applicable to common shares.
- (8) Variable rate security. The stated interest rate represents the rate in effect at October 31, 2013.
- (9) Security was acquired in connection with a restructuring of a Senior Loan and may be subject to restrictions on resale.
- (10) Currently the issuer is in default with respect to interest payments. For a variable rate security, interest rate has been adjusted to reflect non-accrued status.
- (11) Non-income producing security.
- (12) Restricted security (see Note 8).
- (13) Multi-step coupon bond. Interest rate represents rate in effect at October 31, 2013.
- (14) Affiliated investment company, available to Eaton Vance portfolios and funds, which invests in high quality, U.S. dollar denominated money market instruments. The rate shown is the annualized seven-day yield as of October 31, 2013.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Statement of Assets and Liabilities

| | October 31, 2013 |
|---|-------------------------|
| Assets | |
| Unaffiliated investments, at value (identified cost, \$908,626,463) | \$ 916,282,500 |
| Affiliated investment, at value (identified cost, \$6,115,071) | 6,115,071 |
| Cash | 6,338,031 |
| Restricted cash* | 1,119,081 |
| Foreign currency, at value (identified cost, \$552,161) | 551,428 |
| Interest receivable | 4,194,195 |
| Interest receivable from affiliated investment | 1,737 |
| Receivable for investments sold | 4,584,939 |
| Receivable for open forward foreign currency exchange contracts | 59,038 |
| Receivable from the transfer agent | 66,386 |
| Prepaid expenses | 40,301 |
| Total assets | \$ 939,352,707 |
| Liabilities | |
| Notes payable | \$ 210,000,000 |
| Payable for investments purchased | 13,968,256 |
| Payable for open forward foreign currency exchange contracts | 379,169 |
| Payable to affiliates: | |
| Investment adviser fee | 587,326 |
| Trustees' fees | 3,085 |
| Accrued expenses | 585,754 |
| Total liabilities | \$ 225,523,590 |
| Auction preferred shares (5,252 shares outstanding) at liquidation value plus cumulative unpaid dividends | \$ 131,305,824 |
| Net assets applicable to common shares | \$ 582,523,293 |
| Sources of Net Assets | |
| Common shares, \$0.01 par value, unlimited number of shares authorized, 36,841,535 shares issued and outstanding | \$ 368,415 |
| Additional paid-in capital | 684,675,373 |
| Accumulated net realized loss | (112,835,752) |
| Accumulated undistributed net investment income | 3,073,969 |
| Net unrealized appreciation | 7,241,288 |
| Net assets applicable to common shares | \$ 582,523,293 |
| Net Asset Value Per Common Share (\$582,523,293 ÷ 36,841,535 common shares issued and outstanding) | \$ 15.81 |

* Represents restricted cash on deposit at the custodian for open derivative contracts.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Statement of Operations

| | Year Ended |
|--|-------------------------|
| | October 31, 2013 |
| Investment Income | |
| Interest and other income | \$ 45,768,145 |
| Dividends | 187,116 |
| Interest income allocated from affiliated investment | 18,465 |
| Expenses allocated from affiliated investment | (2,158) |
| Total investment income | \$ 45,971,568 |
| Expenses | |
| Investment adviser fee | \$ 6,655,760 |
| Trustees' fees and expenses | 35,479 |
| Custodian fee | 386,317 |
| Transfer and dividend disbursing agent fees | 18,048 |
| Legal and accounting services | 177,967 |
| Printing and postage | 83,149 |
| Interest expense and fees | 2,232,679 |
| Preferred shares service fee | 199,914 |
| Miscellaneous | 173,598 |
| Total expenses | \$ 9,962,911 |
| Deduct | |
| Reduction of custodian fee | \$ 42 |
| Total expense reductions | \$ 42 |
| Net expenses | \$ 9,962,869 |
| Net investment income | \$ 36,008,699 |
| Realized and Unrealized Gain (Loss) | |
| Net realized gain (loss) | |
| Investment transactions | \$ 4,804,441 |
| Investment transactions allocated from affiliated investment | 378 |
| Foreign currency and forward foreign currency exchange contract transactions | (1,224,589) |
| Net realized gain | \$ 3,580,230 |
| Change in unrealized appreciation (depreciation) | |
| Investments | \$ 941,340 |
| Foreign currency and forward foreign currency exchange contracts | 83,904 |
| Net change in unrealized appreciation (depreciation) | \$ 1,025,244 |
| Net realized and unrealized gain | \$ 4,605,474 |
| Distributions to preferred shareholders | |
| From net investment income | \$ (204,473) |
| Net increase in net assets from operations | \$ 40,409,700 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Statements of Changes in Net Assets

| | Year Ended October 31, | |
|---|-------------------------------|------------------------|
| | 2013 | 2012 |
| Increase (Decrease) in Net Assets | | |
| From operations | | |
| Net investment income | \$ 36,008,699 | \$ 37,073,434 |
| Net realized gain from investment, foreign currency and forward foreign currency exchange contract transactions | 3,580,230 | 6,136,350 |
| Net change in unrealized appreciation (depreciation) from investments, foreign currency and forward foreign currency exchange contracts | 1,025,244 | 16,979,301 |
| Distributions to preferred shareholders | | |
| From net investment income | (204,473) | (218,137) |
| Net increase in net assets from operations | \$ 40,409,700 | \$ 59,970,948 |
| Distributions to common shareholders | | |
| From net investment income | \$ (36,970,442) | \$ (35,540,737) |
| Total distributions to common shareholders | \$ (36,970,442) | \$ (35,540,737) |
| Capital share transactions | | |
| Reinvestment of distributions to common shareholders | \$ 818,431 | \$ 651,989 |
| Proceeds from shelf offering, net of offering costs (see Note 6) | 49,800,858 | |
| Net increase in net assets from capital share transactions | \$ 50,619,289 | \$ 651,989 |
| Net increase in net assets | \$ 54,058,547 | \$ 25,082,200 |
| Net Assets Applicable to Common Shares | | |
| At beginning of year | \$ 528,464,746 | \$ 503,382,546 |
| At end of year | \$ 582,523,293 | \$ 528,464,746 |
| Accumulated undistributed net investment income included in net assets applicable to common shares | | |
| At end of year | \$ 3,073,969 | \$ 3,076,692 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Statement of Cash Flows

| | Year Ended |
|---|------------------------|
| | October 31, 2013 |
| Cash Flows From Operating Activities | |
| Net increase in net assets from operations | \$ 40,409,700 |
| Distributions to preferred shareholders | 204,473 |
| Net increase in net assets from operations excluding distributions to preferred shareholders | \$ 40,614,173 |
| Adjustments to reconcile net increase in net assets from operations to net cash used in operating activities: | |
| Investments purchased | (487,855,116) |
| Investments sold and principal repayments | 401,030,826 |
| Decrease in short-term investments, net | 9,001,259 |
| Net amortization/accretion of premium (discount) | (1,778,738) |
| Increase in restricted cash | (709,081) |
| Increase in interest receivable | (402,644) |
| Decrease in interest receivable from affiliated investment | 503 |
| Increase in receivable for open forward foreign currency exchange contracts | (52,964) |
| Decrease in receivable from the transfer agent | 6,622 |
| Increase in prepaid expenses | (2,058) |
| Decrease in payable for open forward foreign currency exchange contracts | (46,486) |
| Increase in payable to affiliate for investment adviser fee | 55,144 |
| Increase in payable to affiliate for Trustees' fees | 346 |
| Increase in accrued expenses | 225,259 |
| Increase in unfunded loan commitments | 1,022,211 |
| Net change in unrealized (appreciation) depreciation from investments | (941,340) |
| Net realized gain from investments | (4,804,441) |
| Net cash used in operating activities | \$ (44,636,525) |
| Cash Flows From Financing Activities | |
| Distributions paid to common shareholders, net of reinvestments | \$ (36,152,011) |
| Cash distributions paid to preferred shareholders | (202,780) |
| Proceeds from notes payable | 35,000,000 |
| Proceeds from shelf offering, net of offering costs | 49,800,858 |
| Net cash provided by financing activities | \$ 48,446,067 |
| Net increase in cash* | \$ 3,809,542 |
| Cash at beginning of year⁽¹⁾ | \$ 3,079,917 |
| Cash at end of year⁽¹⁾ | \$ 6,889,459 |
| Supplemental disclosure of cash flow information: | |
| Noncash financing activities not included herein consist of: | |
| Reinvestment of dividends and distributions | \$ 818,431 |
| Cash paid for interest and fees on borrowings | 2,044,645 |

* Includes net change in unrealized appreciation (depreciation) on foreign currency of \$(873).

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⁽¹⁾ Balance includes foreign currency, at value.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Financial Highlights

Selected data for a common share outstanding during the periods stated

| | Year Ended October 31, | | | | |
|--|------------------------|-------------------|-------------------|-------------------|-------------------|
| | 2013 | 2012 | 2011 | 2010 | 2009 |
| Net asset value Beginning of year (Common shares) | \$ 15.630 | \$ 14.910 | \$ 14.980 | \$ 13.700 | \$ 10.190 |
| Income (Loss) From Operations | | | | | |
| Net investment income ⁽¹⁾ | \$ 1.009 | \$ 1.097 | \$ 1.014 | \$ 1.025 | \$ 0.978 |
| Net realized and unrealized gain (loss) | 0.145 | 0.681 | (0.013) | 1.374 | 3.423 |
| Distributions to preferred shareholders From net investment income ⁽¹⁾ | (0.006) | (0.006) | (0.009) | (0.011) | (0.028) |
| Total income from operations | \$ 1.148 | \$ 1.772 | \$ 0.992 | \$ 2.388 | \$ 4.373 |
| Less Distributions to Common Shareholders | | | | | |
| From net investment income | \$ (1.038) | \$ (1.052) | \$ (1.062) | \$ (1.108) | \$ (0.863) |
| Total distributions to common shareholders | \$ (1.038) | \$ (1.052) | \$ (1.062) | \$ (1.108) | \$ (0.863) |
| Premium from common shares sold through shelf offering (see Note 6)⁽¹⁾ | \$ 0.070 | \$ | \$ | \$ | \$ |
| Net asset value End of year (Common shares) | \$ 15.810 | \$ 15.630 | \$ 14.910 | \$ 14.980 | \$ 13.700 |
| Market value End of year (Common shares) | \$ 15.800 | \$ 16.250 | \$ 14.550 | \$ 15.640 | \$ 12.980 |
| Total Investment Return on Net Asset Value⁽²⁾ | 7.98% | 12.31% | 6.69% | 17.93% | 46.90% |
| Total Investment Return on Market Value⁽²⁾ | 3.79% | 19.66% | (0.28)% | 29.96% | 49.61% |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Financial Highlights continued

Selected data for a common share outstanding during the periods stated

| Ratios/Supplemental Data | Year Ended October 31, | | | | |
|---|------------------------|------------|------------|------------|------------|
| | 2013 | 2012 | 2011 | 2010 | 2009 |
| Net assets applicable to common shares, end of year (000 s omitted) | \$ 582,523 | \$ 528,465 | \$ 503,383 | \$ 505,197 | \$ 460,700 |
| Ratios (as a percentage of average daily net assets applicable to common shares): ⁽³⁾ | | | | | |
| Expenses excluding interest and fees ⁽⁴⁾ | 1.37% | 1.38% | 1.29% | 1.22% | 1.21% |
| Interest and fee expense ⁽⁵⁾ | 0.40% | 0.42% | 0.44% | 0.49% | 1.15% |
| Total expenses | 1.77% | 1.80% | 1.73% | 1.71% | 2.36% |
| Net investment income | 6.38% | 7.20% | 6.69% | 7.11% | 9.21% |
| Portfolio Turnover | 45% | 54% | 49% | 36% | 42% |
| The ratios reported above are based on net assets applicable solely to common shares. The ratios based on net assets, including amounts related to preferred shares and borrowings, are as follows: | | | | | |
| Ratios (as a percentage of average daily net assets applicable to common shares plus preferred shares and borrowings): ⁽³⁾ | | | | | |
| Expenses excluding interest and fees ⁽⁴⁾ | 0.87% | 0.87% | 0.83% | 0.77% | 0.74% |
| Interest and fee expense ⁽⁵⁾ | 0.25% | 0.27% | 0.28% | 0.31% | 0.70% |
| Total expenses | 1.12% | 1.14% | 1.11% | 1.08% | 1.44% |
| Net investment income | 4.06% | 4.54% | 4.28% | 4.50% | 5.63% |
| Senior Securities: | | | | | |
| Total notes payable outstanding (in 000 s) | \$ 210,000 | \$ 175,000 | \$ 165,000 | \$ 150,000 | \$ 150,000 |
| Asset coverage per \$1,000 of notes payable ⁽⁶⁾ | \$ 4,399 | \$ 4,770 | \$ 4,847 | \$ 5,243 | \$ 4,947 |
| Total preferred shares outstanding | 5,252 | 5,252 | 5,252 | 5,252 | 5,252 |
| Asset coverage per preferred share ⁽⁷⁾ | \$ 67,670 | \$ 68,133 | \$ 67,473 | \$ 69,900 | \$ 65,945 |
| Involuntary liquidation preference per preferred share ⁽⁸⁾ | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 |
| Approximate market value per preferred share ⁽⁸⁾ | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 25,000 |

(1) Computed using average common shares outstanding.

(2) Returns are historical and are calculated by determining the percentage change in net asset value or market value with all distributions reinvested. Distributions are assumed to be reinvested at prices obtained under the Trust's dividend reinvestment plan.

(3) Ratios do not reflect the effect of dividend payments to preferred shareholders.

(4) Excludes the effect of custody fee credits, if any, of less than 0.005%.

(5) Interest and fee expense relates to the notes payable incurred to redeem the Trust's APS (see Note 10).

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- (6) Calculated by subtracting the Trust's total liabilities (not including the notes payable and preferred shares) from the Trust's total assets, and dividing the result by the notes payable balance in thousands.
- (7) Calculated by subtracting the Trust's total liabilities (not including the notes payable and preferred shares) from the Trust's total assets, dividing the result by the sum of the value of the notes payable and liquidation value of preferred shares, and multiplying the result by the liquidation value of one preferred share. Such amount equates to 271%, 273%, 270%, 280% and 264% at October 31, 2013, 2012, 2011, 2010 and 2009, respectively.
- (8) Plus accumulated and unpaid dividends.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements

1 Significant Accounting Policies

Eaton Vance Senior Floating-Rate Trust (the Trust) is a Massachusetts business trust registered under the Investment Company Act of 1940, as amended (the 1940 Act), as a diversified, closed-end management investment company. The Trust's primary investment objective is to provide a high level of current income. The Trust may, as a secondary objective, also seek preservation of capital to the extent consistent with its primary objective.

The following is a summary of significant accounting policies of the Trust. The policies are in conformity with accounting principles generally accepted in the United States of America.

A Investment Valuation The following methodologies are used to determine the market value or fair value of investments.

Senior Floating-Rate Loans. Interests in senior floating-rate loans (Senior Loans) for which reliable market quotations are readily available are valued generally at the average mean of bid and ask quotations obtained from a third party pricing service. Other Senior Loans are valued at fair value by the investment adviser under procedures approved by the Trustees. In fair valuing a Senior Loan, the investment adviser utilizes one or more of the valuation techniques described in (i) through (iii) below to assess the likelihood that the borrower will make a full repayment of the loan underlying such Senior Loan relative to yields on other Senior Loans issued by companies of comparable credit quality. If the investment adviser believes that there is a reasonable likelihood of full repayment, the investment adviser will determine fair value using a matrix pricing approach that considers the yield on the Senior Loan. If the investment adviser believes there is not a reasonable likelihood of full repayment, the investment adviser will determine fair value using analyses that include, but are not limited to: (i) a comparison of the value of the borrower's outstanding equity and debt to that of comparable public companies; (ii) a discounted cash flow analysis; or (iii) when the investment adviser believes it is likely that a borrower will be liquidated or sold, an analysis of the terms of such liquidation or sale. In certain cases, the investment adviser will use a combination of analytical methods to determine fair value, such as when only a portion of a borrower's assets are likely to be sold. In conducting its assessment and analyses for purposes of determining fair value of a Senior Loan, the investment adviser will use its discretion and judgment in considering and appraising relevant factors. Fair value determinations are made by the portfolio managers of the Trust based on information available to such managers. The portfolio managers of other funds managed by the investment adviser that invest in Senior Loans may not possess the same information about a Senior Loan borrower as the portfolio managers of the Trust. At times, the fair value of a Senior Loan determined by the portfolio managers of other funds managed by the investment adviser that invest in Senior Loans may vary from the fair value of the same Senior Loan determined by the portfolio managers of the Trust. The fair value of each Senior Loan is periodically reviewed and approved by the investment adviser's Valuation Committee and by the Trustees based upon procedures approved by the Trustees. Junior Loans (i.e., subordinated loans and second lien loans) are valued in the same manner as Senior Loans.

Debt Obligations. Debt obligations (including short-term obligations with a remaining maturity of more than sixty days) are generally valued on the basis of valuations provided by third party pricing services, as derived from such services' pricing models. Inputs to the models may include, but are not limited to, reported trades, executable bid and asked prices, broker/dealer quotations, prices or yields of securities with similar characteristics, benchmark curves or information pertaining to the issuer, as well as industry and economic events. The pricing services may use a matrix approach, which considers information regarding securities with similar characteristics to determine the valuation for a security. Short-term obligations purchased with a remaining maturity of sixty days or less are generally valued at amortized cost, which approximates market value.

Equity Securities. Equity securities (including common shares of closed-end investment companies) listed on a U.S. securities exchange generally are valued at the last sale or closing price on the day of valuation or, if no sales took place on such date, at the mean between the closing bid and asked prices therefore on the exchange where such securities are principally traded. Equity securities listed on the NASDAQ Global or Global Select Market generally are valued at the NASDAQ official closing price. Unlisted or listed securities for which closing sales prices or closing quotations are not available are valued at the mean between the latest available bid and asked prices or, in the case of preferred equity securities that are not listed or traded in the over-the-counter market, by a third party pricing service that will use various techniques that consider factors including, but not limited to, prices or yields of securities with similar characteristics, benchmark yields, broker/dealer quotes, quotes of underlying common stock, issuer spreads, as well as industry and economic events.

Derivatives. Forward foreign currency exchange contracts are generally valued at the mean of the average bid and average asked prices that are reported by currency dealers to a third party pricing service at the valuation time. Such third party pricing service valuations are supplied for specific settlement periods and the Trust's forward foreign currency exchange contracts are valued at an interpolated rate between the closest preceding and subsequent settlement period reported

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by the third party pricing service.

Foreign Securities and Currencies. Foreign securities and currencies are valued in U.S. dollars, based on foreign currency exchange rate quotations supplied by a third party pricing service. The pricing service uses a proprietary model to determine the exchange rate. Inputs to the model include reported trades and implied bid/ask spreads.

Affiliated Fund. The Trust may invest in Eaton Vance Cash Reserves Fund, LLC (Cash Reserves Fund), an affiliated investment company managed by Eaton Vance Management (EVM). The value of the Trust's investment in Cash Reserves Fund reflects the Trust's proportionate interest in its net assets. Cash Reserves Fund generally values its investment securities utilizing the amortized cost valuation technique in accordance with Rule 2a-7 under the 1940 Act. This technique involves initially valuing a portfolio security at its cost and thereafter assuming a constant amortization to maturity of any discount or premium. If amortized cost is determined not to approximate fair value, Cash Reserves Fund may value its investment securities in the same manner as debt obligations described above.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements continued

Fair Valuation. Investments for which valuations or market quotations are not readily available or are deemed unreliable are valued at fair value using methods determined in good faith by or at the direction of the Trustees of the Trust in a manner that fairly reflects the security's value, or the amount that the Trust might reasonably expect to receive for the security upon its current sale in the ordinary course. Each such determination is based on a consideration of relevant factors, which are likely to vary from one pricing context to another. These factors may include, but are not limited to, the type of security, the existence of any contractual restrictions on the security's disposition, the price and extent of public trading in similar securities of the issuer or of comparable companies or entities, quotations or relevant information obtained from broker/dealers or other market participants, information obtained from the issuer, analysts, and/or the appropriate stock exchange (for exchange-traded securities), an analysis of the company's or entity's financial condition, and an evaluation of the forces that influence the issuer and the market(s) in which the security is purchased and sold.

B Investment Transactions Investment transactions for financial statement purposes are accounted for on a trade date basis. Realized gains and losses on investments sold are determined on the basis of identified cost.

C Income Interest income is recorded on the basis of interest accrued, adjusted for amortization of premium or accretion of discount. Fees associated with loan amendments are recognized immediately. Dividend income is recorded on the ex-dividend date for dividends received in cash and/or securities.

D Federal Taxes The Trust's policy is to comply with the provisions of the Internal Revenue Code applicable to regulated investment companies and to distribute to shareholders each year substantially all of its net investment income, and all or substantially all of its net realized capital gains. Accordingly, no provision for federal income or excise tax is necessary.

At October 31, 2013, the Trust, for federal income tax purposes, had a capital loss carryforward of \$112,307,054 which will reduce its taxable income arising from future net realized gains on investment transactions, if any, to the extent permitted by the Internal Revenue Code, and thus will reduce the amount of distributions to shareholders, which would otherwise be necessary to relieve the Trust of any liability for federal income or excise tax. Such capital loss carryforward will expire on October 31, 2014 (\$254,901), October 31, 2015 (\$2,782,217), October 31, 2016 (\$63,478,422), October 31, 2017 (\$33,311,438), October 31, 2018 (\$11,668,372) and October 31, 2019 (\$811,704). In addition, such capital loss carryforward cannot be utilized prior to the utilization of new capital losses, if any, created after October 31, 2013.

During the year ended October 31, 2013, a capital loss carryforward of \$5,563,819 was utilized to offset net realized gains by the Trust.

As of October 31, 2013, the Trust had no uncertain tax positions that would require financial statement recognition, de-recognition, or disclosure. The Trust files a U.S. federal income tax return annually after its fiscal year-end, which is subject to examination by the Internal Revenue Service for a period of three years from the date of filing.

E Expense Reduction State Street Bank and Trust Company (SSBT) serves as custodian of the Trust. Pursuant to the custodian agreement, SSBT receives a fee reduced by credits, which are determined based on the average daily cash balance the Trust maintains with SSBT. All credit balances, if any, used to reduce the Trust's custodian fees are reported as a reduction of expenses in the Statement of Operations.

F Foreign Currency Translation Investment valuations, other assets, and liabilities initially expressed in foreign currencies are translated each business day into U.S. dollars based upon current exchange rates. Purchases and sales of foreign investment securities and income and expenses denominated in foreign currencies are translated into U.S. dollars based upon currency exchange rates in effect on the respective dates of such transactions. Recognized gains or losses on investment transactions attributable to changes in foreign currency exchange rates are recorded for financial statement purposes as net realized gains and losses on investments. That portion of unrealized gains and losses on investments that results from fluctuations in foreign currency exchange rates is not separately disclosed.

G Unfunded Loan Commitments The Trust may enter into certain credit agreements all or a portion of which may be unfunded. The Trust is obligated to fund these commitments at the borrower's discretion. These commitments are disclosed in the accompanying Portfolio of Investments. At October 31, 2013, the Trust had sufficient cash and/or securities to cover these commitments.

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H Use of Estimates The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of income and expense during the reporting period. Actual results could differ from those estimates.

I Indemnifications Under the Trust's organizational documents, its officers and Trustees may be indemnified against certain liabilities and expenses arising out of the performance of their duties to the Trust. Under Massachusetts law, if certain conditions prevail, shareholders of a Massachusetts business trust (such as the Trust) could be deemed to have personal liability for the obligations of the Trust. However, the Trust's Declaration of Trust contains an express disclaimer of liability on the part of Trust shareholders and the By-laws provide that the Trust shall assume the defense on behalf of any Trust shareholders. Moreover, the By-laws also provide for indemnification out of Trust property of any shareholder held personally liable solely by reason of being or having been a shareholder for all loss or expense arising from such liability. Additionally, in the normal course of business, the Trust enters into agreements with service providers that may contain indemnification clauses. The Trust's maximum exposure under these arrangements is unknown as this would involve future claims that may be made against the Trust that have not yet occurred.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements continued

J Forward Foreign Currency Exchange Contracts The Trust may enter into forward foreign currency exchange contracts for the purchase or sale of a specific foreign currency at a fixed price on a future date. The forward foreign currency exchange contracts are adjusted by the daily exchange rate of the underlying currency and any gains or losses are recorded as unrealized until such time as the contracts have been closed. Risks may arise upon entering these contracts from the potential inability of counterparties to meet the terms of their contracts and from movements in the value of a foreign currency relative to the U.S. dollar.

K Statement of Cash Flows The cash amount shown in the Statement of Cash Flows of the Trust is the amount included in the Trust's Statement of Assets and Liabilities and represents the unrestricted cash on hand at its custodian and does not include any short-term investments.

2 Auction Preferred Shares

The Trust issued Auction Preferred Shares (APS) on January 26, 2004 in a public offering. The underwriting discount and other offering costs incurred in connection with the offering were recorded as a reduction of the paid-in capital of the common shares. Dividends on the APS, which accrue daily, are cumulative at rates which are reset weekly for Series A and Series B, and approximately monthly for Series C and Series D by an auction, unless a special dividend period has been set. Series of APS are identical in all respects except for the reset dates of the dividend rates. If the APS auctions do not successfully clear, the dividend payment rate over the next period for the APS holders is set at a specified maximum applicable rate until such time as the APS auctions are successful. Auctions have not cleared since February 13, 2008 and the rate since that date has been the maximum applicable rate (see Note 3). The maximum applicable rate on the APS is 150% of the AA Financial Composite Commercial Paper Rate at the date of the auction. The stated spread over the reference benchmark rate is determined based on the credit rating of the APS.

The number of APS issued and outstanding as of October 31, 2013 is as follows:

| | APS Issued and Outstanding |
|----------|---------------------------------------|
| Series A | 1,313 |
| Series B | 1,313 |
| Series C | 1,313 |
| Series D | 1,313 |

The APS are redeemable at the option of the Trust at a redemption price equal to \$25,000 per share, plus accumulated and unpaid dividends, on any dividend payment date. The APS are also subject to mandatory redemption at a redemption price equal to \$25,000 per share, plus accumulated and unpaid dividends, if the Trust is in default for an extended period on its asset maintenance requirements with respect to the APS. If the dividends on the APS remain unpaid in an amount equal to two full years' dividends, the holders of the APS as a class have the right to elect a majority of the Board of Trustees. In general, the holders of the APS and the common shares have equal voting rights of one vote per share, except that the holders of the APS, as a separate class, have the right to elect at least two members of the Board of Trustees. The APS have a liquidation preference of \$25,000 per share, plus accumulated and unpaid dividends. The Trust is required to maintain certain asset coverage with respect to the APS as defined in the Trust's By-Laws and the 1940 Act. The Trust pays an annual fee up to 0.15% of the liquidation value of the APS to broker/dealers as a service fee if the auctions are unsuccessful; otherwise, the annual fee is 0.25%.

3 Distributions to Shareholders

The Trust intends to make monthly distributions of net investment income to common shareholders, after payment of any dividends on any outstanding APS. In addition, at least annually, the Trust intends to distribute all or substantially all of its net realized capital gains (reduced by available capital loss carryforwards from prior years). Distributions to common shareholders are recorded on the ex-dividend date. Distributions to preferred shareholders are recorded daily and are payable at the end of each dividend period. The dividend rates for the APS at October 31, 2013, and the amount of dividends accrued (including capital gains) to APS shareholders, average APS dividend rates, and dividend rate ranges for the year then ended were as follows:

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| | APS Dividend Rates at October 31, 2013 | Dividends Accrued to APS Shareholders | Average APS Dividend Rates | Dividend Rate Ranges (%) |
|----------|---|--|---|---|
| Series A | 0.11% | \$ 46,221 | 0.14% | 0.06 0.32 |
| Series B | 0.11 | 50,352 | 0.15 | 0.06 0.32 |
| Series C | 0.11 | 51,166 | 0.16 | 0.06 0.24 |
| Series D | 0.23 | 56,734 | 0.17 | 0.08 0.24 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements continued

Beginning February 13, 2008 and consistent with the patterns in the broader market for auction-rate securities, the Trust's APS auctions were unsuccessful in clearing due to an imbalance of sell orders over bids to buy the APS. As a result, the dividend rates of the APS were reset to the maximum applicable rates. The table above reflects such maximum dividend rate for each series as of October 31, 2013.

The Trust distinguishes between distributions on a tax basis and a financial reporting basis. Accounting principles generally accepted in the United States of America require that only distributions in excess of tax basis earnings and profits be reported in the financial statements as a return of capital. Permanent differences between book and tax accounting relating to distributions are reclassified to paid-in capital. For tax purposes, distributions from short-term capital gains are considered to be from ordinary income.

The tax character of distributions declared for the years ended October 31, 2013 and October 31, 2012 was as follows:

| | Year Ended October 31, | |
|-------------------------------------|-------------------------------|---------------|
| | 2013 | 2012 |
| Distributions declared from: | | |
| Ordinary income | \$ 37,174,915 | \$ 35,758,874 |

During the year ended October 31, 2013, accumulated undistributed net investment income was increased by \$1,163,493, accumulated net realized loss was decreased by \$1,783,658 and paid-in capital was decreased by \$2,947,151 due to differences between book and tax accounting, primarily for premium amortization, defaulted bond interest, mixed straddles, partnership investments and foreign currency gain (loss). These reclassifications had no effect on the net assets or net asset value per share of the Trust.

As of October 31, 2013, the components of distributable earnings (accumulated losses) and unrealized appreciation (depreciation) on a tax basis were as follows:

| | |
|-------------------------------|------------------|
| Undistributed ordinary income | \$ 3,093,957 |
| Capital loss carryforward | \$ (112,307,054) |
| Net unrealized appreciation | \$ 6,692,602 |

The differences between components of distributable earnings (accumulated losses) on a tax basis and the amounts reflected in the Statement of Assets and Liabilities are primarily due to wash sales, defaulted bond interest and premium amortization.

4 Investment Adviser Fee and Other Transactions with Affiliates

The investment adviser fee is earned by EVM as compensation for management and investment advisory services rendered to the Trust. The fee is computed at an annual rate of 0.75% of the Trust's average daily gross assets and is payable monthly. Gross assets as referred to herein represent net assets plus obligations attributable to investment leverage. For the year ended October 31, 2013, the Trust's investment adviser fee amounted to \$6,655,760. The Trust invests its cash in Cash Reserves Fund. EVM does not currently receive a fee for advisory services provided to Cash Reserves Fund. EVM also serves as administrator of the Trust, but receives no compensation.

Trustees and officers of the Trust who are members of EVM's organization receive remuneration for their services to the Trust out of the investment adviser fee. Trustees of the Trust who are not affiliated with EVM may elect to defer receipt of all or a percentage of their annual fees in accordance with the terms of the Trustees Deferred Compensation Plan. For the year ended October 31, 2013, no significant amounts have been deferred. Certain officers and Trustees of the Trust are officers of EVM.

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5 Purchases and Sales of Investments

Purchases and sales of investments, other than short-term obligations and including maturities, paydowns and principal repayments on Senior Loans, aggregated \$478,717,886 and \$402,243,320, respectively, for the year ended October 31, 2013.

6 Common Shares of Beneficial Interest and Shelf Offering

Common shares issued by the Trust pursuant to its dividend reinvestment plan for the years ended October 31, 2013 and October 31, 2012 were 51,566 and 42,479, respectively.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements continued

Pursuant to a registration statement filed with and originally declared effective on November 14, 2012 by the SEC, the Trust is authorized to issue up to an additional 3,380,550 common shares through an equity shelf offering program (the shelf offering). Under the shelf offering, the Trust, subject to market conditions, may raise additional capital from time to time and in varying amounts and offering methods at a net price at or above the Trust's net asset value per common share. On May 30, 2013, and as approved by the Trustees, the Trust filed a registration statement with the SEC to allow it to issue additional common shares through a shelf offering, which is subject to the effectiveness of such registration statement.

During the year ended October 31, 2013, the Trust sold 2,979,799 common shares and received proceeds (net of offering costs) of \$49,800,858 through its shelf offering. The net proceeds in excess of the net asset value of the shares sold was \$2,463,769.

Offering costs (other than the applicable sales commissions) incurred in connection with the shelf offering were borne directly by EVM. Eaton Vance Distributors, Inc. (EVD), an affiliate of EVM, is the distributor of the Trust's shares and is entitled to receive a sales commission from the Trust of 1.00% of the gross sales price per share, a portion of which is re-allowed to sales agents. The Trust was informed that the sales commissions retained by EVD during the year ended October 31, 2013 were \$100,610.

7 Federal Income Tax Basis of Investments

The cost and unrealized appreciation (depreciation) of investments of the Trust at October 31, 2013, as determined on a federal income tax basis, were as follows:

| | |
|------------------------------------|-----------------------|
| Aggregate cost | \$ 915,290,220 |
| Gross unrealized appreciation | \$ 14,499,386 |
| Gross unrealized depreciation | (7,392,035) |
| Net unrealized appreciation | \$ 7,107,351 |

8 Restricted Securities

At October 31, 2013, the Trust owned the following securities (representing 0.2% of net assets applicable to common shares) which were restricted as to public resale and not registered under the Securities Act of 1933 (excluding Rule 144A securities). The Trust has various registration rights (exercisable under a variety of circumstances) with respect to these securities. The value of these securities is determined based on valuations provided by brokers when available, or if not available, they are valued at fair value using methods determined in good faith by or at the direction of the Trustees.

| Description | Date of | | | |
|---|-------------|--------|-------------------|-------------------|
| | Acquisition | Shares | Cost | Value |
| Common Stocks | | | | |
| Environmental Systems Products Holdings, Inc. | 10/25/07 | 6,211 | \$ 0 | \$ 539,612 |
| Panolam Holdings Co. | 12/30/09 | 253 | 139,024 | 246,569 |
| Total Common Stocks | | | \$ 139,024 | \$ 786,181 |
| Preferred Stocks | | | | |
| Environmental Systems Products Holdings, Inc., Series A | 10/25/07 | 1,422 | \$ 24,885 | \$ 89,529 |

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Total Restricted Securities

\$ 163,909

\$ 875,710

9 Financial Instruments

The Trust may trade in financial instruments with off-balance sheet risk in the normal course of its investing activities. These financial instruments may include forward foreign currency exchange contracts and may involve, to a varying degree, elements of risk in excess of the amounts recognized for financial statement purposes. The notional or contractual amounts of these instruments represent the investment the Trust has in particular classes of financial instruments and do not necessarily represent the amounts potentially subject to risk. The measurement of the risks associated with these instruments is meaningful only when all related and offsetting transactions are considered.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements continued

A summary of obligations under these financial instruments at October 31, 2013 is as follows:

Forward Foreign Currency Exchange Contracts

| Settlement Date | Deliver | In Exchange For | Counterparty | Unrealized Appreciation | Unrealized (Depreciation) | Net Unrealized Appreciation (Depreciation) |
|-----------------|-----------------------------------|---------------------------------|-----------------------------|-------------------------|---------------------------|--|
| 11/29/13 | British Pound Sterling | United States Dollar | | | | |
| 11/29/13 | 1,967,795 Euro | 3,052,345 United States Dollar | Goldman Sachs International | \$ | \$ (102,225) | \$ (102,225) |
| 12/31/13 | 6,659,339 British Pound Sterling | 8,878,497 United States Dollar | Citibank NA | | (163,715) | (163,715) |
| 12/31/13 | 7,617,911 Euro | 12,194,752 United States Dollar | Citibank NA | | (14,565) | (14,565) |
| 1/31/14 | 10,638,944 British Pound Sterling | 14,347,573 United States Dollar | HSBC Bank USA | | (98,664) | (98,664) |
| 1/31/14 | 6,126,387 Euro | 9,824,458 United States Dollar | HSBC Bank USA | 8,024 | | 8,024 |
| | 3,134,436 | 4,307,358 | Deutsche Bank | 51,014 | | 51,014 |
| | | | | \$ 59,038 | \$ (379,169) | \$ (320,131) |

At October 31, 2013, the Trust had sufficient cash and/or securities to cover commitments under these contracts.

The Trust is subject to foreign exchange risk in the normal course of pursuing its investment objectives. Because the Trust holds foreign currency denominated investments, the value of these investments and related receivables and payables may change due to future changes in foreign currency exchange rates. To hedge against this risk, the Trust enters into forward foreign currency exchange contracts. The Trust also enters into such contracts to hedge the currency risk of investments it anticipates purchasing.

The Trust enters into forward foreign currency exchange contracts that may contain provisions whereby the counterparty may terminate the contract under certain conditions, including but not limited to a decline in the Trust's net assets below a certain level over a certain period of time, which would trigger a payment by the Trust for those derivatives in a liability position. At October 31, 2013, the fair value of derivatives with credit-related contingent features in a net liability position was \$379,169. The aggregate fair value of assets pledged as collateral by the Trust for such liability was \$1,119,081 at October 31, 2013.

The non-exchange traded derivatives in which the Trust invests, including forward foreign currency exchange contracts, are subject to the risk that the counterparty to the contract fails to perform its obligations under the contract. At October 31, 2013, the maximum amount of loss the Trust would incur due to counterparty risk was \$59,038, representing the fair value of such derivatives in an asset position, with the highest amount from any one counterparty being \$51,014. To mitigate this risk, the Trust has entered into master netting agreements with substantially all its derivative counterparties, which allows it and a

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counterparty to aggregate amounts owed by each of them for derivative transactions under the agreement into a single net amount payable by either the Trust or the counterparty. At October 31, 2013, the maximum amount of loss the Trust would incur due to counterparty risk would be reduced by approximately \$8,000 due to master netting agreements. Counterparties may be required to pledge collateral in the form of cash, U.S. Government securities or highly-rated bonds for the benefit of the Trust if the net amount due from the counterparty with respect to a derivative contract exceeds a certain threshold. The amount of collateral posted by the counterparties with respect to such contracts would also reduce the amount of any loss incurred.

The fair value of open derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) and whose primary underlying risk exposure is foreign exchange risk at October 31, 2013 was as follows:

| Derivative | Asset Derivative | Fair Value | Liability Derivative |
|---|--------------------------|-------------------|-----------------------------|
| Forward foreign currency exchange contracts | \$ 59,038 ⁽¹⁾ | \$ | (379,169) ⁽²⁾ |

(1) Statement of Assets and Liabilities location: Receivable for open forward foreign currency exchange contracts; Net unrealized appreciation.

(2) Statement of Assets and Liabilities location: Payable for open forward foreign currency exchange contracts; Net unrealized appreciation.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements continued

The effect of derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) on the Statement of Operations and whose primary underlying risk exposure is foreign exchange risk for the year ended October 31, 2013 was as follows:

| Derivative | Realized Gain (Loss) on Derivatives Recognized in Income | Change in Unrealized Appreciation (Depreciation) on Derivatives Recognized in Income |
|---|---|---|
| Forward foreign currency exchange contracts | \$ (1,535,952) ⁽¹⁾ | \$ 99,450 ⁽²⁾ |

⁽¹⁾ Statement of Operations location: Net realized gain (loss) Foreign currency and forward foreign currency exchange contract transactions.

⁽²⁾ Statement of Operations location: Change in unrealized appreciation (depreciation) Foreign currency and forward foreign currency exchange contracts. The average notional amount of forward foreign currency exchange contracts outstanding during the year ended October 31, 2013, which is indicative of the volume of this derivative type, was approximately \$45,721,000.

10 Credit Agreement

The Trust has entered into a Credit Agreement (the Agreement) with a bank to borrow up to a limit of \$210 million (\$185 million prior to March 26, 2013) pursuant to a 364-day revolving line of credit. Borrowings under the Agreement are secured by the assets of the Trust. Interest is charged at a rate above the London Interbank Offered Rate (LIBOR) and is payable monthly. Under the terms of the Agreement, the Trust pays a commitment fee of 0.15% on the borrowing limit. The Trust is required to maintain certain net asset levels during the term of the Agreement. At October 31, 2013, the Trust had borrowings outstanding under the Agreement of \$210,000,000 at an interest rate of 0.93%. Based on the short-term nature of the borrowings under the Agreement and the variable interest rate, the carrying amount of the borrowings at October 31, 2013 approximated its fair value. If measured at fair value, borrowings under the Agreement would have been considered as Level 2 in the fair value hierarchy (see Note 13) at October 31, 2013. For the year ended October 31, 2013, the average borrowings under the Agreement and the average interest rate (excluding fees) were \$192,041,096 and 1.00%, respectively.

11 Risks Associated with Foreign Investments

Investing in securities issued by companies whose principal business activities are outside the United States may involve significant risks not present in domestic investments. For example, there is generally less publicly available information about foreign companies, particularly those not subject to the disclosure and reporting requirements of the U.S. securities laws. Certain foreign issuers are generally not bound by uniform accounting, auditing, and financial reporting requirements and standards of practice comparable to those applicable to domestic issuers. Investments in foreign securities also involve the risk of possible adverse changes in investment or exchange control regulations, expropriation or confiscatory taxation, limitation on the removal of funds or other assets of the Trust, political or financial instability or diplomatic and other developments which could affect such investments. Foreign securities markets, while growing in volume and sophistication, are generally not as developed as those in the United States, and securities of some foreign issuers (particularly those located in developing countries) may be less liquid and more volatile than securities of comparable U.S. companies. In general, there is less overall governmental supervision and regulation of foreign securities markets, broker/dealers and issuers than in the United States.

12 Credit Risk

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The Trust invests primarily in below investment grade floating-rate loans which are considered speculative because of the credit risk of their issuers. Changes in economic conditions or other circumstances are more likely to reduce the capacity of issuers of these securities to make principal and interest payments. Such companies are more likely to default on their payments of interest and principal owed than issuers of investment grade bonds. An economic downturn generally leads to a higher non-payment rate, and a loan or other debt obligation may lose significant value before a default occurs. Lower rated investments also may be subject to greater price volatility than higher rated investments. Moreover, the specific collateral used to secure a loan may decline in value or become illiquid, which would adversely affect the loan's value.

13 Fair Value Measurements

Under generally accepted accounting principles for fair value measurements, a three-tier hierarchy to prioritize the assumptions, referred to as inputs, is used in valuation techniques to measure fair value. The three-tier hierarchy of inputs is summarized in the three broad levels listed below.

Level 1 quoted prices in active markets for identical investments

Level 2 other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)

Level 3 significant unobservable inputs (including a fund's own assumptions in determining the fair value of investments)

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Notes to Financial Statements continued

In cases where the inputs used to measure fair value fall in different levels of the fair value hierarchy, the level disclosed is determined based on the lowest level input that is significant to the fair value measurement in its entirety. The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

At October 31, 2013, the hierarchy of inputs used in valuing the Trust's investments and open derivative instruments, which are carried at value, were as follows:

| Asset Description | Level 1 | Level 2 | Level 3* | Total |
|---|-------------------|-----------------------|---------------------|-----------------------|
| Senior Floating-Rate Interests (Less Unfunded Loan Commitments) | \$ | \$ 821,917,323 | \$ 1,494,966 | \$ 823,412,289 |
| Corporate Bonds & Notes | | 71,345,691 | 574,872 | 71,920,563 |
| Asset-Backed Securities | | 15,307,157 | | 15,307,157 |
| Common Stocks | 702,342 | 151,179 | 4,688,641 | 5,542,162 |
| Preferred Stocks | | | 89,529 | 89,529 |
| Miscellaneous | | 10,800 | | 10,800 |
| Short-Term Investments | | 6,115,071 | | 6,115,071 |
| Total Investments | \$ 702,342 | \$ 914,847,221 | \$ 6,848,008 | \$ 922,397,571 |
| Forward Foreign Currency Exchange Contracts | \$ | \$ 59,038 | \$ | \$ 59,038 |
| Total | \$ 702,342 | \$ 914,906,259 | \$ 6,848,008 | \$ 922,456,609 |
| Liability Description | | | | |
| Forward Foreign Currency Exchange Contracts | \$ | \$ (379,169) | \$ | \$ (379,169) |
| Total | \$ | \$ (379,169) | \$ | \$ (379,169) |

* None of the unobservable inputs for Level 3 assets, individually or collectively, had a material impact on the Trust. Level 3 investments at the beginning and/or end of the period in relation to net assets were not significant and accordingly, a reconciliation of Level 3 assets for the year ended October 31, 2013 is not presented.

At October 31, 2013, there were no investments transferred between Level 1 and Level 2 during the year then ended.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Report of Independent Registered Public Accounting Firm

To the Trustees and Shareholders of Eaton Vance Senior Floating-Rate Trust:

We have audited the accompanying statement of assets and liabilities of Eaton Vance Senior Floating-Rate Trust (the Trust), including the portfolio of investments, as of October 31, 2013, and the related statements of operations and cash flows for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended. These financial statements and financial highlights are the responsibility of the Trust's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. The Trust is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Trust's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. Our procedures included confirmation of securities and senior loans owned as of October 31, 2013, by correspondence with the custodian, brokers, and selling or agent banks; where replies were not received from brokers and selling or agent banks, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of Eaton Vance Senior Floating-Rate Trust as of October 31, 2013, the results of its operations and its cash flows for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America.

DELOITTE & TOUCHE LLP

Boston, Massachusetts

December 16, 2013

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Federal Tax Information (Unaudited)

The Form 1099-DIV you receive in January 2014 will show the tax status of all distributions paid to your account in calendar year 2013. Shareholders are advised to consult their own tax adviser with respect to the tax consequences of their investment in the Trust.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Annual Meeting of Shareholders (Unaudited)

The Trust held its Annual Meeting of Shareholders on August 23, 2013. Scott E. Eston, Allen R. Freedman and Lynn A. Stout were elected Class I Trustees of the Trust for a three-year term expiring in 2016. Mr. Esty has been nominated for election by the holders of the Trust's APS. Due to the lack of quorum for APS, the Trust was unable to act on election of Mr. Esty. Accordingly, Mr. Esty will remain in office and continue to serve as Trustee of the Trust until his successor is elected and qualified.

Nominee for Trustee

Number of Shares

Elected by All Shareholders

| | For | Withheld |
|-------------------|------------|-----------------|
| Scott E. Eston | 32,705,641 | 1,102,745 |
| Allen R. Freedman | 32,618,629 | 1,189,757 |
| Lynn A. Stout | 32,607,430 | 1,200,956 |

Nominee for Trustee

Number of Shares

Elected by APS Shareholders

| | For | Withheld |
|------------------|------------|-----------------|
| Benjamin C. Esty | 1,218 | 203 |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Dividend Reinvestment Plan

The Trust offers a dividend reinvestment plan (Plan) pursuant to which shareholders may elect to have distributions automatically reinvested in common shares (Shares) of the Trust. You may elect to participate in the Plan by completing the Dividend Reinvestment Plan Application Form. If you do not participate, you will receive all distributions in cash paid by check mailed directly to you by American Stock Transfer & Trust Company (AST) as dividend paying agent. On the distribution payment date, if the NAV per Share is equal to or less than the market price per Share plus estimated brokerage commissions, then new Shares will be issued. The number of Shares shall be determined by the greater of the NAV per Share or 95% of the market price. Otherwise, Shares generally will be purchased on the open market by AST, the Plan agent (Agent). Distributions subject to income tax (if any) are taxable whether or not Shares are reinvested.

If your Shares are in the name of a brokerage firm, bank, or other nominee, you can ask the firm or nominee to participate in the Plan on your behalf. If the nominee does not offer the Plan, you will need to request that the Trust's transfer agent re-register your Shares in your name or you will not be able to participate.

The Agent's service fee for handling distributions will be paid by the Trust. Plan participants will be charged their pro rata share of brokerage commissions on all open-market purchases.

Plan participants may withdraw from the Plan at any time by writing to the Agent at the address noted on the following page. If you withdraw, you will receive Shares in your name for all Shares credited to your account under the Plan. If a participant elects by written notice to the Agent to sell part or all of his or her Shares and remit the proceeds, the Agent is authorized to deduct a \$5.00 fee plus brokerage commissions from the proceeds.

If you wish to participate in the Plan and your Shares are held in your own name, you may complete the form on the following page and deliver it to the Agent. Any inquiries regarding the Plan can be directed to the Agent at 1-866-439-6787.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Application for Participation in Dividend Reinvestment Plan

This form is for shareholders who hold their common shares in their own names. If your common shares are held in the name of a brokerage firm, bank, or other nominee, you should contact your nominee to see if it will participate in the Plan on your behalf. If you wish to participate in the Plan, but your brokerage firm, bank, or nominee is unable to participate on your behalf, you should request that your common shares be re-registered in your own name which will enable your participation in the Plan.

The following authorization and appointment is given with the understanding that I may terminate it at any time by terminating my participation in the Plan as provided in the terms and conditions of the Plan.

Please print exact name on account:

Shareholder signature

Date

Shareholder signature

Date

Please sign exactly as your common shares are registered. All persons whose names appear on the share certificate must sign.

YOU SHOULD NOT RETURN THIS FORM IF YOU WISH TO RECEIVE YOUR DISTRIBUTIONS IN CASH. THIS IS NOT A PROXY.

This authorization form, when signed, should be mailed to the following address:

Eaton Vance Senior Floating-Rate Trust

c/o American Stock Transfer & Trust Company

P.O. Box 922

Wall Street Station

New York, NY 10269-0560

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Number of Employees

The Trust is organized as a Massachusetts business trust and is registered under the Investment Company Act of 1940, as amended, as a closed-end management investment company and has no employees.

Number of Shareholders

As of October 31, 2013, Trust records indicate that there are 11 registered shareholders and approximately 22,842 shareholders owning the Trust shares in street name, such as through brokers, banks, and financial intermediaries.

If you are a street name shareholder and wish to receive Trust reports directly, which contain important information about the Trust, please write or call:

Eaton Vance Distributors, Inc.

Two International Place

Boston, MA 02110

1-800-262-1122

New York Stock Exchange symbol

The New York Stock Exchange symbol is EFR.

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Management and Organization

Trust Management. The Trustees of Eaton Vance Senior Floating-Rate Trust (the Trust) are responsible for the overall management and supervision of the Trust's affairs. The Trustees and officers of the Fund are listed below. Except as indicated, each individual has held the office shown or other offices in the same company for the last five years. The Noninterested Trustees consist of those Trustees who are not interested persons of the Trust, as that term is defined under the 1940 Act. The business address of each Trustee and officer is Two International Place, Boston, Massachusetts 02110. As used below, EVC refers to Eaton Vance Corp., EV refers to Eaton Vance, Inc., EVM refers to Eaton Vance Management, BMR refers to Boston Management and Research and EVD refers to Eaton Vance Distributors, Inc. EVC and EV are the corporate parent and trustee, respectively, of EVM and BMR. EVD is a wholly-owned subsidiary of EVC. Each officer affiliated with Eaton Vance may hold a position with other Eaton Vance affiliates that is comparable to his or her position with EVM listed below. Each Trustee oversees 190 portfolios in the Eaton Vance Complex (including all master and feeder funds in a master feeder structure). Each officer serves as an officer of certain other Eaton Vance funds. Each Trustee serves for a three year term. Each officer serves until his or her successor is elected.

| Name and Year of Birth | Position(s) with the Trust | Term of Office; Length of Service | Principal Occupation(s) and Directorships During Past Five Years and Other Relevant Experience |
|---|----------------------------|--|--|
| | | | |
| Interested Trustee | | | |
| Thomas E. Faust Jr. 1958 | Class II Trustee | Until 2014. 3 years. Trustee since 2007. | Chairman, Chief Executive Officer and President of EVC, Director and President of EV, Chief Executive Officer and President of EVM and BMR, and Director of EVD. Trustee and/or officer of 190 registered investment companies. Mr. Faust is an interested person because of his positions with EVM, BMR, EVD, EVC and EV, which are affiliates of the Trust. Directorships in the Last Five Years. ⁽¹⁾ Director of EVC and Hexavest Inc. |
| Noninterested Trustees | | | |
| Scott E. Eston 1956 | Class I Trustee | Until 2016. 3 years. Trustee since 2011. | Private investor. Formerly held various positions at Grantham, Mayo, Van Otterloo and Co., L.L.C. (investment management firm) (1997-2009), including Chief Operating Officer (2002-2009), Chief Financial Officer (1997-2009) and Chairman of the Executive Committee (2002-2008); President and Principal Executive Officer, GMO Trust (open-end registered investment company) (2006-2009). Former Partner, Coopers and Lybrand L.L.P. (now PricewaterhouseCoopers) (public accounting firm) (1987-1997). Directorships in the Last Five Years. None. |
| Benjamin C. Esty ^(A) 1963 | Class I Trustee | Until 2016. 3 years. Trustee since 2005. | Roy and Elizabeth Simmons Professor of Business Administration and Finance Unit Head, Harvard University Graduate School of Business Administration. Directorships in the Last Five Years. ⁽¹⁾ None. |
| Allen R. Freedman | Class I | Until 2016. | |

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| | | | |
|--------------------|-----------|-------------------------------------|--|
| 1940 | Trustee | 3 years. Trustee since 2007. | <p>Private Investor. Former Chairman (2002-2004) and a Director (1983-2004) of Systems & Computer Technology Corp. (provider of software to higher education). Formerly, a Director of Loring Ward International (fund distributor) (2005-2007). Former Chairman and a Director of Indus International, Inc. (provider of enterprise management software to the power generating industry) (2005-2007). Former Chief Executive Officer of Assurant, Inc. (insurance provider) (1979-2000).</p> <p>Directorships in the Last Five Years.⁽¹⁾ Director of Stonemor Partners, L.P. (owner and operator of cemeteries). Formerly, Director of Assurant, Inc. (insurance provider) (1979-2011).</p> |
| William H. Park | Class II | Until 2014. | <p>Consultant and private investor. Formerly, Chief Financial Officer, Aveon Group L.P. (investment management firm) (2010-2011). Formerly, Vice Chairman, Commercial Industrial Finance Corp. (specialty finance company) (2006-2010). Formerly, President and Chief Executive Officer, Prizm Capital Management, LLC (investment management firm) (2002-2005). Formerly, Executive Vice President and Chief Financial Officer, United Asset Management Corporation (investment management firm) (1982-2001). Formerly, Senior Manager, Price Waterhouse (now PricewaterhouseCoopers) (an independent registered public accounting firm) (1972-1981).</p> <p>Directorships in the Last Five Years.⁽¹⁾ None.</p> |
| 1947 | Trustee | 3 years. Trustee since 2003. | <p>Consultant and private investor. Formerly, Chief Financial Officer, Aveon Group L.P. (investment management firm) (2010-2011). Formerly, Vice Chairman, Commercial Industrial Finance Corp. (specialty finance company) (2006-2010). Formerly, President and Chief Executive Officer, Prizm Capital Management, LLC (investment management firm) (2002-2005). Formerly, Executive Vice President and Chief Financial Officer, United Asset Management Corporation (investment management firm) (1982-2001). Formerly, Senior Manager, Price Waterhouse (now PricewaterhouseCoopers) (an independent registered public accounting firm) (1972-1981).</p> <p>Directorships in the Last Five Years.⁽¹⁾ None.</p> |
| Ronald A. Pearlman | Class III | Until 2015. | <p>Professor of Law, Georgetown University Law Center. Formerly, Deputy Assistant Secretary (Tax Policy) and Assistant Secretary (Tax Policy), U.S. Department of the Treasury (1983-1985). Formerly, Chief of Staff, Joint Committee on Taxation, U.S. Congress (1988-1990).</p> <p>Directorships in the Last Five Years.⁽¹⁾ None.</p> |
| 1940 | Trustee | 3 years. Trustee since 2003. | <p>Professor of Law, Georgetown University Law Center. Formerly, Deputy Assistant Secretary (Tax Policy) and Assistant Secretary (Tax Policy), U.S. Department of the Treasury (1983-1985). Formerly, Chief of Staff, Joint Committee on Taxation, U.S. Congress (1988-1990).</p> <p>Directorships in the Last Five Years.⁽¹⁾ None.</p> |

Eaton Vance

Senior Floating-Rate Trust

October 31, 2013

Management and Organization continued

| Name and Year of Birth | Position(s) with the Trust | Term of Office; Length of Service | Principal Occupation(s) and Directorships |
|---|--|---|---|
| | | | During Past Five Years and Other Relevant Experience |
| Noninterested Trustees (continued) | | | |
| Helen Frame Peters 1948 | Class III Trustee | Until 2015. 3 years. Trustee since 2008. | Professor of Finance, Carroll School of Management, Boston College. Formerly, Dean, Carroll School of Management, Boston College (2000-2002). Formerly, Chief Investment Officer, Fixed Income, Scudder Kemper Investments (investment management firm) (1998-1999). Formerly, Chief Investment Officer, Equity and Fixed Income, Colonial Management Associates (investment management firm) (1991-1998). Directorships in the Last Five Years. ⁽¹⁾ Formerly, Director of BJ's Wholesale Club, Inc. (wholesale club retailer) (2004-2011). Formerly, Trustee of SPDR Index Shares Funds and SPDR Series Trust (exchange traded funds) (2000-2009). Formerly, Director of Federal Home Loan Bank of Boston (a bank for banks) (2007-2009). |
| Lynn A. Stout 1957 | Class I Trustee | Until 2016. 3 years. Trustee since 2003. | Distinguished Professor of Corporate and Business Law, Jack G. Clarke Business Law Institute, Cornell University Law School. Formerly, the Paul Hastings Professor of Corporate and Securities Law (2006-2012) and Professor of Law (2001-2006), University of California at Los Angeles School of Law. Directorships in the Last Five Years. ⁽¹⁾ None. |
| Harriett Tee Taggart 1948 | Class III Trustee | Until 2015. 3 years. Trustee since 2011. | Managing Director, Taggart Associates (a professional practice firm). Formerly, Partner and Senior Vice President, Wellington Management Company, LLP (investment management firm) (1983-2006). Directorships in the Last Five Years. Director of Albemarle Corporation (chemicals manufacturer) (since 2007) and The Hanover Group (specialty property and casualty insurance company) (since 2009). Formerly, Director of Lubrizol Corporation (specialty chemicals) (2007-2011). |
| Ralph F. Verni ^(A) 1943 | Chairman of the Board and Class II Trustee | Until 2014. 3 years. Chairman of the Board since 2007 and Trustee since 2005. | Consultant and private investor. Formerly, Chief Investment Officer (1982-1992), Chief Financial Officer (1988-1990) and Director (1982-1992), New England Life. Formerly, Chairperson, New England Mutual Funds (1982-1992). Formerly, President and Chief Executive Officer, State Street Management & Research (1992-2000). Formerly, Chairperson, State Street Research Mutual Funds (1992-2000). Formerly, Director, W.P. Carey, LLC (1998-2004) and First Pioneer Farm Credit Corp. (2002-2006). Directorships in the Last Five Years. ⁽¹⁾ None. |

Principal Officers who are not Trustees
Name and Year of Birth

Position(s)

Length of

Principal Occupation(s)

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| | with the | Service | During Past Five Years |
|--|--|---|--|
| | Trust | | |
| Scott H. Page 1959 | President | Since 2008 | Vice President of EVM and BMR. |
| Payson F. Swaffield 1956 | Vice President | Since 2011 | Vice President and Chief Income Investment Officer of EVM and BMR. |
| Maureen A. Gemma 1960 | Vice President, Secretary and Chief Legal Officer | Vice President since 2011, Secretary since 2007 and Chief Legal Officer since 2008 | Vice President of EVM and BMR. |
| James F. Kirchner ⁽²⁾ 1967 | Treasurer | Since 2013 | Vice President of EVM and BMR. |
| Paul M. O Neil 1953 | Chief Compliance Officer | Since 2004 | Vice President of EVM and BMR. |

⁽¹⁾ During their respective tenures, the Trustees (except Mr. Eston and Ms. Taggart) also served as Board members of one or more of the following Eaton Vance funds (which operated in the years noted): Eaton Vance Credit Opportunities Fund (launched in 2005 and terminated in 2010); Eaton Vance Insured Florida Plus Municipal Bond Fund (launched in 2002 and terminated in 2009); and Eaton Vance National Municipal Income Trust (launched in 1998 and terminated in 2009).

⁽²⁾ Prior to 2013, Mr. Kirchner served as Assistant Treasurer of the Trust since 2007.

^(A) APS Trustee

Eaton Vance Funds

IMPORTANT NOTICES

Privacy. The Eaton Vance organization is committed to ensuring your financial privacy. Each of the financial institutions identified below has in effect the following policy (Privacy Policy) with respect to nonpublic personal information about its customers:

Only such information received from you, through application forms or otherwise, and information about your Eaton Vance fund transactions will be collected. This may include information such as name, address, social security number, tax status, account balances and transactions.

None of such information about you (or former customers) will be disclosed to anyone, except as permitted by law (which includes disclosure to employees necessary to service your account). In the normal course of servicing a customer's account, Eaton Vance may share information with unaffiliated third parties that perform various required services such as transfer agents, custodians and broker-dealers.

Policies and procedures (including physical, electronic and procedural safeguards) are in place that are designed to protect the confidentiality of such information.

We reserve the right to change our Privacy Policy at any time upon proper notification to you. Customers may want to review our Privacy Policy periodically for changes by accessing the link on our homepage: www.eatonvance.com.

Our pledge of privacy applies to the following entities within the Eaton Vance organization: the Eaton Vance Family of Funds, Eaton Vance Management, Eaton Vance Investment Counsel, Eaton Vance Distributors, Inc., Eaton Vance Trust Company, Eaton Vance Management's Real Estate Investment Group and Boston Management and Research. In addition, our Privacy Policy applies only to those Eaton Vance customers who are individuals and who have a direct relationship with us. If a customer's account (i.e., fund shares) is held in the name of a third-party financial advisor/broker-dealer, it is likely that only such advisor's privacy policies apply to the customer. This notice supersedes all previously issued privacy disclosures. For more information about Eaton Vance's Privacy Policy, please call 1-800-262-1122.

Delivery of Shareholder Documents. The Securities and Exchange Commission (SEC) permits funds to deliver only one copy of shareholder documents, including prospectuses, proxy statements and shareholder reports, to fund investors with multiple accounts at the same residential or post office box address. This practice is often called "householding" and it helps eliminate duplicate mailings to shareholders. *Eaton Vance, or your financial advisor, may household the mailing of your documents indefinitely unless you instruct Eaton Vance, or your financial advisor, otherwise.* If you would prefer that your Eaton Vance documents not be householded, please contact Eaton Vance at 1-800-262-1122, or contact your financial advisor. Your instructions that householding not apply to delivery of your Eaton Vance documents will be effective within 30 days of receipt by Eaton Vance or your financial advisor.

Portfolio Holdings. Each Eaton Vance Fund and its underlying Portfolio(s) (if applicable) will file a schedule of portfolio holdings on Form N-Q with the SEC for the first and third quarters of each fiscal year. The Form N-Q will be available on the Eaton Vance website at www.eatonvance.com, by calling Eaton Vance at 1-800-262-1122 or in the EDGAR database on the SEC's website at www.sec.gov. Form N-Q may also be reviewed and copied at the SEC's public reference room in Washington, D.C. (call 1-800-732-0330 for information on the operation of the public reference room).

Proxy Voting. From time to time, funds are required to vote proxies related to the securities held by the funds. The Eaton Vance Funds or their underlying Portfolios (if applicable) vote proxies according to a set of policies and procedures approved by the Funds' and Portfolios' Boards. You may obtain a description of these policies and procedures and information on how the Funds or Portfolios voted proxies relating to portfolio securities during the most recent 12-month period ended June 30, without charge, upon request, by calling 1-800-262-1122 and by accessing the SEC's website at www.sec.gov.

Share Repurchase Program. On November 11, 2013, the Trust's Board of Trustees approved a share repurchase program authorizing the Trust to repurchase up to 10% of its currently outstanding common shares in open-market transactions at a discount to net asset value. The repurchase program does not obligate the Trust to purchase a specific amount of shares. The Trust's repurchase activity, including the number of shares purchased, average price and average discount to net asset value, will be disclosed in the Trust's annual and semi-annual reports to shareholders.

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Additional Notice to Shareholders. If applicable, a Fund may also redeem or purchase its outstanding auction preferred shares (APS) in order to maintain compliance with regulatory requirements, borrowing or rating agency requirements or for other purposes as it deems appropriate or necessary.

Closed-End Fund Information. Eaton Vance closed-end funds make fund performance data and certain information about portfolio characteristics available on the Eaton Vance website shortly after the end of each month. The funds' net asset value per share is readily accessible on the Eaton Vance website. Portfolio holdings for the most recent month-end are also posted to the website approximately 30 days following the end of the month. This information is available at www.eatonvance.com on the fund information pages under Individual Investors Closed-End Funds .

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Investment Adviser and Administrator

Eaton Vance Management

Two International Place

Boston, MA 02110

Custodian

State Street Bank and Trust Company

200 Clarendon Street

Boston, MA 02116

Transfer Agent

American Stock Transfer & Trust Company

6201 15th Avenue

Brooklyn, NY 11219

Independent Registered Public Accounting Firm

Deloitte & Touche LLP

200 Berkeley Street

Boston, MA 02116-5022

Fund Offices

Two International Place

Boston, MA 02110

2025-12/13

CE-FLRTSRC

Item 2. Code of Ethics

The registrant has adopted a code of ethics applicable to its Principal Executive Officer, Principal Financial Officer and Principal Accounting Officer. The registrant undertakes to provide a copy of such code of ethics to any person upon request, without charge, by calling 1-800-262-1122.

Item 3. Audit Committee Financial Expert

The registrant's Board has designated William H. Park, an independent trustee, as its audit committee financial expert. Mr. Park is a certified public accountant who is a consultant and private investor. Previously, he served as the Chief Financial Officer of Aveon Group, L.P. (an investment management firm), as the Vice Chairman of Commercial Industrial Finance Corp. (specialty finance company), as President and Chief Executive Officer of Prizm Capital Management, LLC (investment management firm), as Executive Vice President and Chief Financial Officer of United Asset Management Corporation (an institutional investment management firm) and as a Senior Manager at Price Waterhouse (now PricewaterhouseCoopers) (an independent registered public accounting firm).

Item 4. Principal Accountant Fees and Services

(a)-(d)

The following table presents the aggregate fees billed to the registrant for the registrant's fiscal years ended October 31, 2012 and October 31, 2013 by the registrant's principal accountant, Deloitte & Touche LLP (D&T), for professional services rendered for the audit of the registrant's annual financial statements and fees billed for other services rendered by D&T during such periods.

| Fiscal Years Ended | 10/31/12 | 10/31/13 |
|-----------------------------------|-------------------|-------------------|
| Audit Fees | \$ 80,630 | \$ 85,580 |
| Audit-Related Fees ⁽¹⁾ | \$ 5,330 | \$ 5,330 |
| Tax Fees ⁽²⁾ | \$ 15,090 | \$ 15,600 |
| All Other Fees ⁽³⁾ | \$ 1,240 | \$ 0 |
| Total | \$ 102,290 | \$ 106,510 |

- (1) Audit-related fees consist of the aggregate fees billed for assurance and related services that are reasonably related to the performance of the audit of the registrant's financial statements and are not reported under the category of audit fees and specifically include fees for the performance of certain agreed-upon procedures relating to the registrant's auction preferred shares.
- (2) Tax fees consist of the aggregate fees billed for professional services rendered by the principal accountant relating to tax compliance, tax advice, and tax planning and specifically include fees for tax return preparation and other related tax compliance/planning matters.
- (3) All other fees consist of the aggregate fees billed for products and services provided by the registrant's principal accountant other than audit, audit-related, and tax services.

(e)(1) The registrant's audit committee has adopted policies and procedures relating to the pre-approval of services provided by the registrant's principal accountant (the Pre-Approval Policies). The Pre-Approval Policies establish a framework intended to assist the audit committee in the proper discharge of its pre-approval responsibilities. As a general matter, the Pre-Approval Policies (i) specify certain types of audit, audit-related, tax, and other services determined to be pre-approved by the audit committee; and (ii) delineate specific procedures governing the mechanics of the pre-approval process, including the approval and monitoring of audit and non-audit service fees. Unless a service is specifically pre-approved under the Pre-Approval Policies, it must be separately pre-approved by the Audit Committee.

The Pre-Approval Policies and the types of audit and non-audit services pre-approved therein must be reviewed and ratified by the registrant's audit committee at least annually. The registrant's audit committee maintains full responsibility for the appointment, compensation, and oversight of the work of the registrant's principal accountant.

(e)(2) No services described in paragraphs (b)-(d) above were approved by the registrant's audit committee pursuant to the de minimis exception set forth in Rule 2-01 (c)(7)(i)(C) of Regulation S-X.

(f) Not applicable.

(g) The following table presents (i) the aggregate non-audit fees (i.e., fees for audit-related, tax, and other services) billed to the registrant by D&T for the registrant's fiscal years ended October 31, 2012 and October 31, 2013; and (ii) the aggregate non-audit fees (i.e., fees for audit-related, tax, and other services) billed to the Eaton Vance organization by D&T for the same time periods.

| Fiscal Years Ended | 10/31/12 | 10/31/13 |
|----------------------------------|-----------------|-----------------|
| Registrant | \$ 21,660 | \$ 20,930 |
| Eaton Vance⁽¹⁾ | \$ 566,619 | \$ 526,385 |

(1) Certain subsidiaries of Eaton Vance Corp. provide ongoing services to the registrant.

(h) The registrant's audit committee has considered whether the provision by the registrant's principal accountant of non-audit services to the registrant's investment adviser and any entity controlling, controlled by, or under common control with the adviser that provides ongoing services to the registrant that were not pre-approved pursuant to Rule 2-01(c)(7)(ii) of Regulation S-X is compatible with maintaining the principal accountant's independence.

Item 5. Audit Committee of Listed Registrants

The registrant has a separately-designated standing audit committee established in accordance with Section 3(a)(58)(A) of the Securities and Exchange Act of 1934, as amended. William H. Park (Chair), Scott E. Eston, Ronald A. Pearlman, Helen Frame Peters and Ralph F. Verni are the members of the registrant's audit committee.

Item 6. Schedule of Investments

Please see schedule of investments contained in the Report to Stockholders included under Item 1 of this Form N-CSR.

Item 7. Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies

The Board of Trustees of the Trust has adopted a proxy voting policy and procedure (the "Fund Policy"), pursuant to which the Trustees have delegated proxy voting responsibility to the Fund's investment adviser and adopted the investment adviser's proxy voting policies and procedures (the "Policies") which are described below. The Trustees will review the Fund's proxy voting records from time to time and will annually consider approving the Policies for the upcoming year. In the event that a conflict of interest arises between the Fund's shareholders and the investment adviser, the administrator, or any of their affiliates or any affiliate of the Fund, the investment adviser will generally refrain from voting the proxies related to the companies giving rise to such conflict until it consults with the Board's Special Committee except as contemplated under the Fund Policy. The Board's Special Committee will instruct the investment adviser on the appropriate course of action.

The Policies are designed to promote accountability of a company's management to its shareholders and to align the interests of management with those shareholders. An independent proxy voting service ("Agent"), currently Institutional Shareholder Services, Inc., has been retained to assist in the voting of

proxies through the provision of vote analysis, implementation and recordkeeping and disclosure services. The investment adviser will generally vote proxies through the Agent. The Agent is required to vote all proxies and/or refer them back to the investment adviser pursuant to the Policies. It is generally the policy of the investment adviser to vote in accordance with the recommendation of the Agent. The Agent shall refer to the investment adviser proxies relating to mergers and restructurings, and the disposition of assets, termination, liquidation and mergers contained in mutual fund proxies. The investment adviser will normally vote against anti-takeover measures and other proposals designed to limit the ability of shareholders to act on possible transactions, except in the case of closed-end management investment companies. The investment adviser generally supports management on social and environmental proposals. The investment adviser may abstain from voting from time to time where it determines that the costs associated with voting a proxy outweighs the benefits derived from exercising the right to vote or the economic effect on shareholders interests or the value of the portfolio holding is indeterminable or insignificant.

In addition, the investment adviser will monitor situations that may result in a conflict of interest between the Fund's shareholders and the investment adviser, the administrator, or any of their affiliates or any affiliate of the Fund by maintaining a list of significant existing and prospective corporate clients. The investment adviser's personnel responsible for reviewing and voting proxies on behalf of the Fund will report any proxy received or expected to be received from a company included on that list to the personnel of the investment adviser identified in the Policies. If such personnel expect to instruct the Agent to vote such proxies in a manner inconsistent with the guidelines of the Policies or the recommendation of the Agent, the personnel will consult with members of senior management of the investment adviser to determine if a material conflict of interests exists. If it is determined that a material conflict does exist, the investment adviser will seek instruction on how to vote from the Special Committee.

Information on how the Fund voted proxies relating to portfolio securities during the most recent 12 month period ended June 30 is available (1) without charge, upon request, by calling 1-800-262-1122, and (2) on the Securities and Exchange Commission's website at <http://www.sec.gov>.

Item 8. Portfolio Managers of Closed-End Management Investment Companies

Scott H. Page, Craig P. Russ, Peter M. Campo and other Eaton Vance Management (EVM) investment professionals comprise the investment team responsible for the overall and day-to-day management of the Trust's investments as well as allocations of the Trust's assets between common and preferred stocks. Messrs. Page, Russ and Campo are the portfolio managers responsible for the day-to-day management of the Trust's investments.

Mr. Page has been an EVM portfolio manager since 1996 and is a Vice President. He is head of EVM's Bank Loan Investment Group. Mr. Russ has been an EVM portfolio manager since 2001 and is a Vice President. Mr. Campo joined EVM in 2003 and is a Vice President. This information is provided as of the date of filing of this report.

The following table shows, as of the Trust's most recent fiscal year end, the number of accounts each portfolio manager managed in each of the listed categories and the total assets (in millions of dollars) in the accounts managed within each category. The table also shows the number of accounts with respect to which the advisory fee is based on the performance of the account, if any, and the total assets (in millions of dollars) in those accounts.

| | Number of All Accounts | Total Assets of All Accounts | Number of Accounts Paying a Performance Fee | Accounts Paying a Performance Fee |
|----------------------------------|------------------------------|------------------------------------|--|--|
| Scott H. Page | | | | |
| Registered Investment Companies | 16 | \$ 35,225.0 | 0 | \$ 0 |
| Other Pooled Investment Vehicles | 8 | \$ 9,079.2 | 1 | \$ 253.3 |
| Other Accounts | 2 | \$ 1,510.1 | 0 | \$ 0 |
| Craig P. Russ | | | | |
| Registered Investment Companies | 12 | \$ 30,200.1 | 0 | \$ 0 |
| Other Pooled Investment Vehicles | 1 | \$ 5,885.2 | 0 | \$ 0 |
| Other Accounts | 2 | \$ 1,510.1 | 0 | \$ 0 |
| Peter M. Campo | | | | |
| Registered Investment Companies | 1 | \$ 923.7 | 0 | \$ 0 |
| Other Pooled Investment Vehicles | 0 | \$ 0 | 0 | \$ 0 |
| Other Accounts | 0 | \$ 0 | 0 | \$ 0 |

The following table shows the dollar range of Trust shares beneficially owned by each portfolio manager as of the Trust's most recent fiscal year end.

Dollar Range of Equity

| Portfolio Manager | Securities Owned in the Trust |
|-------------------|-------------------------------|
| Scott H. Page | \$100,001 - \$500,000 |
| Craig P. Russ | None |
| Peter M. Campo | None |

Potential for Conflicts of Interest. It is possible that conflicts of interest may arise in connection with a portfolio manager's management of the Trust's investments on the one hand and investments of other accounts for which a portfolio manager is responsible on the other. For example, a portfolio manager may have conflicts of interest in allocating management time, resources and investment opportunities among the Trust and other accounts he or she advises. In addition, due to differences in the investment strategies or restrictions between the Trust and the other accounts, a portfolio manager may take action with respect to another account that differs from the action taken with respect to the Trust. In some cases, another account managed by a portfolio manager may compensate the investment adviser based on the performance of the securities held by that account. The existence of such a performance based fee may create additional conflicts of interest for a portfolio manager in the allocation of management time, resources and investment opportunities. Whenever conflicts of interest arise, a portfolio manager will endeavor to exercise his or her discretion in a manner that he or she believes is equitable to all interested persons. EVM has adopted several policies and procedures designed to address these potential conflicts including a code of ethics and policies which govern the investment adviser's trading practices, including among other things the aggregation and allocation of trades among clients, brokerage allocation, cross trades and best execution.

Compensation Structure for EVM

Compensation of EVM's portfolio managers and other investment professionals has three primary components: (1) a base salary, (2) an annual cash bonus, and (3) annual stock-based compensation consisting of options to purchase shares of EVC's nonvoting common stock and/or restricted shares of EVC's nonvoting common stock. EVM's investment professionals also receive certain retirement, insurance and other benefits that are broadly available to EVM's employees. Compensation of EVM's investment professionals is reviewed primarily on an annual basis. Cash bonuses, stock-based compensation awards, and adjustments in base salary are typically paid or put into effect at or shortly after the October 31st fiscal year end of EVC.

Method to Determine Compensation. EVM compensates its portfolio managers based primarily on the scale and complexity of their portfolio responsibilities and the total return performance of managed funds and accounts versus the benchmark(s) stated in the prospectus, as well as an appropriate peer group (as described below). In addition to rankings within peer groups of funds on the basis of absolute performance, consideration may also be given to relative risk-adjusted performance. Risk-adjusted performance measures include, but are not limited to, the Sharpe Ratio. Performance is normally based on periods ending on the September 30th preceding fiscal year end. Fund performance is normally evaluated primarily versus peer groups of funds as determined by Lipper Inc. and/or Morningstar, Inc. When a fund's peer group as determined by Lipper or Morningstar is deemed by EVM's management not to provide a fair comparison, performance may instead be evaluated primarily against a custom peer group or market index. In evaluating the performance of a fund and its manager, primary emphasis is normally placed on three-year performance, with secondary consideration of performance over longer and shorter periods. For funds that are tax-managed or otherwise have an objective of after-tax returns, performance is measured net of taxes. For other funds, performance is evaluated on a pre-tax basis. For funds with an investment objective other than total return (such as current income), consideration will also be given to the fund's success in achieving its objective. For managers responsible for multiple funds and accounts, investment performance is evaluated on an aggregate basis, based on averages or weighted averages among managed funds and accounts. Funds and accounts that have performance-based advisory fees are not accorded disproportionate weightings in measuring aggregate portfolio manager performance.

The compensation of portfolio managers with other job responsibilities (such as heading an investment group or providing analytical support to other portfolios) will include consideration of the scope of such responsibilities and the managers' performance in meeting them.

EVM seeks to compensate portfolio managers commensurate with their responsibilities and performance, and competitive with other firms within the investment management industry. EVM participates in investment-industry compensation surveys and utilizes survey data as a factor in determining salary, bonus and stock-based compensation levels for portfolio managers and other investment professionals. Salaries, bonuses and stock-based compensation are also influenced by the operating performance of EVM and its parent company. The overall annual cash bonus pool is based on a substantially fixed percentage of pre-bonus operating income. While the salaries of EVM's portfolio managers are comparatively fixed, cash bonuses and stock-based compensation may fluctuate significantly from year to year, based on changes in manager performance and other factors as described herein. For a high performing portfolio manager, cash bonuses and stock-based compensation may represent a substantial portion of total compensation.

Item 9. Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers

No such purchases this period.

Item 10. Submission of Matters to a Vote of Security Holders

No material changes.

Item 11. Controls and Procedures

(a) It is the conclusion of the registrant's principal executive officer and principal financial officer that the effectiveness of the registrant's current disclosure controls and procedures (such disclosure controls and procedures having been evaluated within 90 days of the date of this filing) provide reasonable assurance that the information required to be disclosed by the registrant has been recorded, processed, summarized and reported within the time period specified in the Commission's rules and forms and that the information required to be disclosed by the registrant has been accumulated and communicated to the registrant's principal executive officer and principal financial officer in order to allow timely decisions regarding required disclosure.

(b) There have been no changes in the registrant's internal controls over financial reporting during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 12. Exhibits

- (a)(1) Registrant's Code of Ethics Not applicable (please see Item 2).
- (a)(2)(i) Treasurer's Section 302 certification.
- (a)(2)(ii) President's Section 302 certification.
- (b) Combined Section 906 certification.

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Eaton Vance Senior Floating-Rate Trust

By: /s/ Scott H. Page
Scott H. Page
President

Date: December 6, 2013

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By: /s/ James F. Kirchner
James F. Kirchner
Treasurer

Date: December 6, 2013

By: /s/ Scott H. Page
Scott H. Page
President

Date: December 6, 2013