

Eaton Vance Enhanced Equity Income Fund
Form N-CSR
November 25, 2016

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: 811-21614

Eaton Vance Enhanced Equity Income Fund
(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)

September 30

Date of Fiscal Year End

September 30, 2016

Date of Reporting Period

Item 1. Reports to Stockholders

Eaton Vance

Enhanced Equity Income Fund (EOI)

Annual Report

September 30, 2016

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. Accordingly, neither the Fund nor the adviser with respect to the operation of the Fund is subject to 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.

Managed Distribution Plan. Pursuant to an exemptive order issued by the Securities and Exchange Commission (Order), the Fund is authorized to distribute long-term capital gains to shareholders more frequently than once per year. Pursuant to the Order, the Fund's Board of Trustees approved a Managed Distribution Plan (MDP) pursuant to which the Fund makes monthly cash distributions to common shareholders, stated in terms of a fixed amount per common share.

The Fund currently distributes monthly cash distributions equal to \$0.0864 per share in accordance with the MDP. You should not draw any conclusions about the Fund's investment performance from the amount of these distributions or from the terms of the MDP. The MDP will be subject to regular periodic review by the Fund's Board of Trustees and the Board may amend or terminate the MDP at any time without prior notice to Fund shareholders. However, at this time there are no reasonably foreseeable circumstances that might cause the termination of the MDP.

The Fund may distribute more than its net investment income and net realized capital gains and, therefore, a distribution may include a return of capital. A return of capital distribution does not necessarily reflect the Fund's investment performance and should not be confused with yield or income. With each distribution, the Fund will issue a notice to shareholders and a press release containing information about the amount and sources of the distribution and other related information. The amounts and sources of distributions contained in the notice and press release are only estimates and are not provided for tax purposes. The amounts and sources of the Fund's distributions for tax purposes will be reported to shareholders on Form 1099-DIV for each calendar year.

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 September 30, 2016

Eaton Vance

Enhanced Equity Income Fund

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Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Management's Discussion of Fund Performance

Economic and Market Conditions

U.S. stock markets recorded solid gains for the 12-month period ended September 30, 2016.

Equity markets opened the period on the upswing, buoyed by continued low interest rates along with positive economic data. In addition to further gains in the U.S. job market, other indicators such as housing and auto sales also showed strength.

Stocks fell in early December 2015 amid worries about an interest rate hike by the U.S. Federal Reserve (the Fed). Expressing confidence in the economy, the Fed finally made its long-anticipated move in mid-December, raising interest rates for the first time in nine years. Following the quarter-point increase, stocks briefly recovered before turbulence struck equity markets in early 2016. Stocks worldwide slid amid worries about falling oil prices, declining interest rates and slowing global growth. However, equity markets turned around in mid-February and soon overcame their earlier losses. Coinciding with the move was a reversal in crude oil prices, which rose following a prolonged decline.

In June 2016, U.S. stocks plunged along with international markets following Britain's Brexit vote to leave the European Union, but equity markets, led by the U.S., quickly rallied from the two-day tailspin and recovered the lost ground. Major U.S. stock indexes reached multiple record highs during July and August.

U.S. equity markets declined in late August 2016 amid retreating oil prices and fears about a possible interest rate increase. The Fed's decision at its September meeting to leave rates unchanged sent stocks higher. The Organization of the Petroleum Exporting Countries (OPEC) announced an agreement near the end of the period to curb oil production.

The blue-chip Dow Jones Industrial Average² advanced 15.46% for the 12-month period, while the broader U.S. equity market, as represented by the S&P 500 Index, returned 15.43%. The technology-laden NASDAQ Composite Index delivered a 16.42% gain. Small-cap U.S. stocks (as measured by the Russell 2000[®] Index) generally fared better than their large-cap counterparts (as measured by the Russell 1000[®] Index). Value stocks as a group outpaced growth stocks in both the large- and small-cap categories, as measured by the Russell 1000[®] Value Index, Russell 2000[®] Value Index, Russell 1000[®] Growth Index and Russell 2000[®] Growth Index.

Fund Performance

For the 12-month period ended September 30, 2016, Eaton Vance Enhanced Equity Income Fund (the Fund) had a total return of 9.74% at net asset value (NAV), underperforming

the 15.43% return of the Fund's equity benchmark, the S&P 500 Index (the Index), but outperforming the 8.48% return of the Fund's options benchmark, the CBOE S&P 500 BuyWrite Index. The Fund's common stock allocation and the Fund's option strategy both contributed to the Fund's underperformance versus the Index.

Within the Fund's common stock portfolio, stock selection in the financials, information technology (IT) and health care sectors detracted from Fund performance versus the Index. In financials, the Fund's out-of-Index position in financial services giant Credit Suisse Group AG declined in value as efforts by a new management team to restructure the business and improve profits proved less successful than planned, due to industry and regulatory headwinds, as well as a weak eurozone economy. Tableau Software, Inc., an out-of-Index Fund holding in the IT sector, lost value because its sales cycle for new software contracts lengthened, causing growth expectations for the company to fall. In health care, the Fund's out-of-Index holding in Teva Pharmaceutical Industries, Ltd. ADR and overweight positions, relative to the Index, in drug makers

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Allergan PLC and Perrigo Co. PLC detracted from performance versus the Index. All three stocks were hurt by headline news about high drug prices, which raised concerns during an election year that a new administration might press for increased scrutiny of drug prices. By period-end, Credit Suisse, Tableau Software, Teva Pharmaceutical and Perrigo had been sold out of the Fund.

In contrast, stock selection in the industrials, consumer discretionary and utilities sectors helped Fund performance versus the Index. Within industrials, the Fund's overweight position in Rockwell Automation, Inc. performed strongly on improving long-term expectations for its industrial automation and software business and an improving outlook for its oil and gas industry business. An overweight position in Amazon.com, Inc. contributed to results versus the Index in consumer discretionary, as improved transparency in the firm's financial reporting appeared to increase investor confidence in Amazon's profitability.

The Fund's option strategy detracted from performance relative to the Index, as would be expected during a period of largely positive equity market performance. The option strategy, which is designed to help limit the Fund's exposure to market volatility and contribute to current income, can be beneficial during times of market weakness, but may detract from performance during periods of market strength. When the market was trending upward, as it was for much of the 12-month period, the Fund's writing of covered call options hurt performance versus the Index, as premium income was relatively low and covered calls ended in losses.

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 include 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 or equal to 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 eatonvance.com.

Eaton Vance

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Performance²

Portfolio Manager Michael A. Allison, CFA

| % Average Annual Total Returns | Inception Date | One Year | Five Years | Ten Years |
|---------------------------------------|-----------------------|-----------------|-------------------|------------------|
| Fund at NAV | 10/29/2004 | 9.74% | 13.19% | 5.86% |
| Fund at Market Price | | 15.29 | 14.57 | 5.03 |
| S&P 500 Index | | 15.43% | 16.35% | 7.23% |
| CBOE S&P 500 BuyWrite Index | | 8.48 | 9.91 | 4.36 |

% Premium/Discount to NAV³

6.78%

Distributions⁴

| | |
|--|----------|
| Total Distributions per share for the period | \$ 1.037 |
| Distribution Rate at NAV | 7.64% |
| Distribution Rate at Market Price | 8.20% |

Fund Profile

Sector Allocation (% of total investments)⁵

Top 10 Holdings (% of total investments)⁵

| | |
|-------------------------|------|
| Apple, Inc. | 4.2% |
| Alphabet, Inc., Class C | 4.1 |
| Amazon.com, Inc. | 3.9 |
| Microsoft Corp. | 3.7 |
| Visa, Inc., Class A | 3.0 |
| Johnson & Johnson | 3.0 |

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| | |
|----------------------|-------|
| Celgene Corp. | 2.5 |
| General Electric Co. | 2.4 |
| Altria Group, Inc. | 2.4 |
| JPMorgan Chase & Co. | 2.4 |
| Total | 31.6% |

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 include 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 or equal to 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 eatonvance.com.

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Fund Snapshot

| | |
|------------------|---|
| Objective | The primary investment objective is to provide current income, with a secondary objective of capital appreciation. |
| Strategy | The Fund invests in a portfolio of primarily large- and mid-cap securities that the investment adviser believes have above-average growth and financial strength and writes call options on individual securities to generate current earnings from the option premium. |

| | |
|-------------------------------------|----------------------------------|
| Options Strategy | Write Single Stock Covered Calls |
| Equity Benchmark² | S&P 500 Index |
| Morningstar Category | Large Growth |
| Distribution Frequency | Monthly |
| Common Stock Portfolio | |
| Positions Held | 55 |
| % US / Non-US | 98.9/1.1 |
| Average Market Cap | \$165.4 Billion |
| Call Options Written | |
| % of Stock Portfolio | 44% |
| Average Days to Expiration | 24 days |
| % Out of the Money | 4.6% |

The following terms as used in the Fund snapshot:

Average Market Cap: An indicator of the size of the companies in which the Fund invests and is the sum of each security's weight in the portfolio multiplied by its market cap. Market Cap is determined by multiplying the price of a share of a company's common stock by the number of shares outstanding.

Call Option: For a call option on a security, the option buyer has the right to purchase, and the option seller (or writer) has the obligation to sell, a specified security at a specified price (exercise price or strike price) on or before a specified date (option expiration date). The buyer of a call option makes a cash payment (premium) to the seller (writer) of the option upon entering into the option contract.

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Covered Call Strategy: A strategy of owning a portfolio of common stocks and writing call options on all or a portion of such stocks to generate current earnings from option premium.

Out of the Money: For a call option on a common stock, the extent to which the exercise price of the option exceeds the current price of the stock.

See Endnotes and Additional Disclosures in this report.

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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 Dow Jones Industrial Average is a price-weighted average of 30 blue-chip stocks that are generally the leaders in their industry. S&P 500 Index is an unmanaged index of large-cap stocks commonly used as a measure of U.S. stock market performance. NASDAQ Composite Index is a market capitalization-weighted index of all domestic and international securities listed on NASDAQ. Russell 2000[®] Index is an unmanaged index of 2,000 U.S. small-cap stocks. Russell 1000[®] Index is an unmanaged index of 1,000 U.S. large-cap stocks. Russell 1000[®] Value Index is an unmanaged index of U.S. large-cap value stocks. Russell 2000[®] Value Index is an unmanaged index of U.S. small-cap value stocks. Russell 1000[®] Growth Index is an unmanaged index of U.S. large-cap growth stocks. Russell 2000[®] Growth Index is an unmanaged index of U.S. small-cap growth stocks. CBOE S&P 500 BuyWrite Index measures the performance of a hypothetical buy-write strategy on the S&P 500 Index. 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. Performance since inception for an index, if presented, is the performance since the Fund's or oldest share class inception, as applicable.
- ³ 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>.
- ⁴ 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 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. For information about the tax character of distributions made in prior calendar years, please refer to Performance-Tax Character of Distributions on the Fund's webpage available at eatonvance.com. In recent years, a significant portion of the Fund's distributions has been characterized as a return of capital. The Fund's distributions are determined by the investment adviser based on its current assessment of the Fund's long-term return potential. Fund distributions may be affected by numerous factors including changes in Fund performance, the cost of financing for leverage, portfolio holdings, realized and projected returns, and other factors. As portfolio and market conditions change, the rate of distributions paid by the Fund could change.
- ⁵ Depictions do not reflect the Fund's option positions. Excludes cash and cash equivalents.

Fund snapshot and profile subject to change due to active management.

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September 30, 2016

Portfolio of Investments

Common Stocks 97.8%

| Security | Shares | Value |
|--|---------|----------------------|
| Aerospace & Defense 1.9% | | |
| United Technologies Corp. | 98,643 | \$ 10,022,129 |
| | | \$ 10,022,129 |
| Air Freight & Logistics 1.0% | | |
| C.H. Robinson Worldwide, Inc. | 75,931 | \$ 5,350,098 |
| | | \$ 5,350,098 |
| Auto Components 0.6% | | |
| Goodyear Tire & Rubber Co. (The) | 90,749 | \$ 2,931,193 |
| | | \$ 2,931,193 |
| Banks 6.0% | | |
| JPMorgan Chase & Co. | 188,945 | \$ 12,581,848 |
| PNC Financial Services Group, Inc. (The) | 78,001 | 7,027,110 |
| Wells Fargo & Co. | 272,729 | 12,076,440 |
| | | \$ 31,685,398 |
| Beverages 1.7% | | |
| Constellation Brands, Inc., Class A | 53,952 | \$ 8,982,468 |
| | | \$ 8,982,468 |
| Biotechnology 2.4% | | |
| Celgene Corp. ⁽²⁾ | 122,913 | \$ 12,848,096 |
| | | \$ 12,848,096 |
| Capital Markets 4.2% | | |

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| | | |
|--|---------------|----------------------|
| Charles Schwab Corp. (The) | 398,085 | \$ 12,567,543 |
| Goldman Sachs Group, Inc. (The) | 58,822 | 9,486,224 |
| | | \$ 22,053,767 |
| | | |
| Chemicals 1.4% | | |
| PPG Industries, Inc. | 69,738 | \$ 7,208,120 |
| | | \$ 7,208,120 |
| | | |
| Communications Equipment 1.9% | | |
| Cisco Systems, Inc. | 315,772 | \$ 10,016,288 |
| | | \$ 10,016,288 |
| | | |
| Containers & Packaging 1.4% | | |
| International Paper Co. | 156,195 | \$ 7,494,236 |
| | | \$ 7,494,236 |
| | | |
| Security | Shares | Value |
| Distributors 1.6% | | |
| LKQ Corp. ⁽²⁾ | 241,942 | \$ 8,579,263 |
| | | \$ 8,579,263 |
| | | |
| Diversified Telecommunication Services 2.7% | | |
| Verizon Communications, Inc. | 117,528 | \$ 6,109,105 |
| Zayo Group Holdings, Inc. ⁽²⁾ | 282,446 | 8,391,471 |
| | | \$ 14,500,576 |
| | | |
| Electric Utilities 1.6% | | |
| NextEra Energy, Inc. | 67,765 | \$ 8,289,015 |
| | | \$ 8,289,015 |
| | | |
| Electrical Equipment 1.6% | | |
| Rockwell Automation, Inc. | 71,283 | \$ 8,720,762 |
| | | \$ 8,720,762 |
| | | |
| Energy Equipment & Services 1.1% | | |
| Schlumberger, Ltd. | 76,820 | \$ 6,041,125 |
| | | \$ 6,041,125 |
| | | |
| Equity Real Estate Investment Trusts (REITs) 2.4% | | |
| Equity Residential | 73,070 | \$ 4,700,593 |
| Federal Realty Investment Trust | 53,465 | 8,229,868 |
| | | \$ 12,930,461 |

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| | | |
|--|--|---|
| <p>Food & Staples Retailing 1.7%</p> <p>CVS Health Corp.</p> | <p>103,982 \$ 9,253,358</p> <p>\$ 9,253,358</p> | |
| <p>Food Products 3.1%</p> <p>General Mills, Inc.</p> <p>Kellogg Co.</p> | | <p>111,354 \$ 7,113,294</p> <p>121,403 9,405,090</p> <p>\$ 16,518,384</p> |
| <p>Health Care Equipment & Supplies 4.5%</p> <p>Danaher Corp.</p> <p>Medtronic PLC</p> <p>Zimmer Biomet Holdings, Inc.</p> | | <p>156,568 \$ 12,273,366</p> <p>1 86</p> <p>88,707 11,533,684</p> <p>\$ 23,807,136</p> |
| <p>Health Care Providers & Services 1.1%</p> <p>Humana, Inc.</p> | | <p>34,418 \$ 6,088,200</p> <p>\$ 6,088,200</p> |

Eaton Vance

Enhanced Equity Income Fund

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Portfolio of Investments continued

| Security | Shares | Value |
|--|---------|----------------------|
| Household Durables 1.9% | | |
| Newell Brands, Inc. | 112,791 | \$ 5,939,574 |
| Whirlpool Corp. | 25,561 | 4,144,972 |
| | | \$ 10,084,546 |
| Industrial Conglomerates 2.4% | | |
| General Electric Co. | 428,638 | \$ 12,696,258 |
| | | \$ 12,696,258 |
| Insurance 1.1% | | |
| American Financial Group, Inc. | 74,396 | \$ 5,579,700 |
| | | \$ 5,579,700 |
| Internet & Direct Marketing Retail 3.8% | | |
| Amazon.com, Inc. ⁽²⁾ | 24,396 | \$ 20,427,015 |
| | | \$ 20,427,015 |
| Internet Software & Services 6.9% | | |
| Alphabet, Inc., Class C ⁽²⁾ | 27,401 | \$ 21,298,523 |
| Facebook, Inc., Class A ⁽²⁾ | 76,413 | 9,801,496 |
| GoDaddy, Inc., Class A ⁽²⁾ | 161,213 | 5,566,685 |
| | | \$ 36,666,704 |
| IT Services 3.0% | | |
| Visa, Inc., Class A | 191,392 | \$ 15,828,118 |
| | | \$ 15,828,118 |
| Machinery 3.1% | | |
| Caterpillar, Inc. | 80,480 | \$ 7,144,209 |
| Fortive Corp. | 186,223 | 9,478,751 |

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| | | | |
|---|-------------|---------------|----------------------|
| | | | \$ 16,622,960 |
| Media | 1.4% | | |
| Time Warner, Inc. | | 93,287 | \$ 7,426,578 |
| | | | \$ 7,426,578 |
| Multi-Utilities | 1.4% | | |
| Sempra Energy | | 71,390 | \$ 7,652,294 |
| | | | \$ 7,652,294 |
| Oil, Gas & Consumable Fuels | 5.7% | | |
| Chevron Corp. | | 107,785 | \$ 11,093,232 |
| EOG Resources, Inc. | | 105,512 | 10,204,065 |
| Occidental Petroleum Corp. | | 126,803 | 9,246,475 |
| | | | \$ 30,543,772 |
| Security | | Shares | Value |
| Pharmaceuticals | 5.8% | | |
| Allergan PLC ⁽²⁾ | | 33,629 | \$ 7,745,095 |
| Eli Lilly & Co. | | 93,795 | 7,527,987 |
| Johnson & Johnson | | 133,914 | 15,819,261 |
| | | | \$ 31,092,343 |
| Semiconductors & Semiconductor Equipment | 3.1% | | |
| Intel Corp. | | 285,337 | \$ 10,771,472 |
| NXP Semiconductors NV ⁽²⁾ | | 55,042 | 5,614,834 |
| | | | \$ 16,386,306 |
| Software | 3.6% | | |
| Microsoft Corp. | | 332,193 | \$ 19,134,317 |
| | | | \$ 19,134,317 |
| Specialty Retail | 2.6% | | |
| Home Depot, Inc. (The) | | 96,095 | \$ 12,365,504 |
| Sally Beauty Holdings, Inc. ⁽²⁾ | | 50,970 | 1,308,910 |
| | | | \$ 13,674,414 |
| Technology Hardware, Storage & Peripherals | 4.2% | | |
| Apple, Inc. | | 195,674 | \$ 22,120,946 |
| | | | \$ 22,120,946 |
| Textiles, Apparel & Luxury Goods | 1.5% | | |
| NIKE, Inc., Class B | | 149,769 | \$ 7,885,338 |
| | | | \$ 7,885,338 |

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| | | | |
|--------------------|---------|----|----------------------|
| Tobacco 2.4% | | | |
| Altria Group, Inc. | 199,375 | \$ | 12,606,481 |
| | | | \$ 12,606,481 |

Total Common Stocks
(identified cost \$434,621,408) **\$ 519,748,163**

Short-Term Investments 0.5%

| Description | Interest (000 s omitted) | Value |
|---|-------------------------------------|--------------|
| Eaton Vance Cash Reserves Fund, LLC, 0.64% ⁽³⁾ | \$ 2,755 | \$ 2,754,597 |

Total Short-Term Investments
(identified cost \$2,754,597) **\$ 2,754,597**

Total Investments 98.3%
(identified cost \$437,376,005) **\$ 522,502,760**

Eaton Vance

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Portfolio of Investments continued

Covered Call Options Written (0.4)%

| Security | Number of Contracts | Strike Price | Expiration Date | Value |
|--|------------------------|-----------------|--------------------|-------------|
| Allergan PLC | 151 | \$ 242.50 | 11/4/16 | \$ (50,279) |
| Alphabet, Inc., Class C | 135 | 787.50 | 10/7/16 | (25,650) |
| Altria Group, Inc. | 990 | 67.50 | 10/7/16 | (2,970) |
| Amazon.com, Inc. | 120 | 870.00 | 11/4/16 | (232,800) |
| Apple, Inc. | 970 | 120.00 | 10/21/16 | (16,975) |
| C.H. Robinson Worldwide, Inc. | 375 | 72.50 | 10/21/16 | (8,437) |
| Caterpillar, Inc. | 245 | 86.00 | 10/28/16 | (91,875) |
| Celgene Corp. | 490 | 113.00 | 10/14/16 | (7,595) |
| Charles Schwab Corp. (The) | 1,990 | 32.50 | 10/28/16 | (104,475) |
| Chevron Corp. | 535 | 103.00 | 10/28/16 | (113,153) |
| Constellation Brands, Inc., Class A | 265 | 170.00 | 10/21/16 | (65,588) |
| CVS Health Corp. | 425 | 94.50 | 10/14/16 | (3,400) |
| Danaher Corp. | 780 | 80.00 | 11/18/16 | (85,800) |
| Eli Lilly & Co. | 405 | 84.00 | 10/28/16 | (20,048) |
| EOG Resources, Inc. | 520 | 100.00 | 10/14/16 | (38,480) |
| Equity Residential | 365 | 67.00 | 11/18/16 | (32,868) |
| Facebook, Inc., Class A | 335 | 136.00 | 10/14/16 | (1,675) |
| Federal Realty Investment Trust | 185 | 165.00 | 10/21/16 | (46,250) |
| Fortive Corp. | 860 | 55.00 | 10/21/16 | (49,450) |
| General Electric Co. | 2,140 | 30.50 | 11/4/16 | (48,106) |
| General Mills, Inc. | 530 | 75.00 | 10/21/16 | (2,120) |
| GoDaddy, Inc., Class A | 625 | 35.00 | 10/21/16 | (46,875) |
| Goldman Sachs Group, Inc. (The) | 290 | 172.50 | 10/28/16 | (19,575) |
| Goodyear Tire & Rubber Co. (The) | 450 | 34.00 | 10/28/16 | (23,625) |
| Home Depot, Inc. (The) | 480 | 131.00 | 10/28/16 | (51,120) |
| Intel Corp. | 1,415 | 38.50 | 10/21/16 | (81,363) |
| International Paper Co. | 780 | 49.50 | 11/4/16 | (47,953) |
| Johnson & Johnson | 630 | 121.00 | 10/7/16 | (6,300) |
| JPMorgan Chase & Co. | 940 | 68.50 | 11/4/16 | (57,733) |
| Kellogg Co. | 550 | 87.50 | 10/21/16 | (8,250) |
| LKQ Corp. | 1,200 | 37.50 | 10/21/16 | (18,000) |
| Microsoft Corp. | 1,660 | 60.00 | 11/4/16 | (97,523) |
| Newell Brands, Inc. | 560 | 52.50 | 10/21/16 | (63,000) |
| NextEra Energy, Inc. | 335 | 130.00 | 10/21/16 | (4,187) |
| NIKE, Inc., Class B | 745 | 55.50 | 11/4/16 | (24,585) |
| Occidental Petroleum Corp. | 630 | 72.50 | 10/28/16 | (139,230) |
| PNC Financial Services Group, Inc. (The) | 385 | 92.50 | 10/21/16 | (21,560) |
| PPG Industries, Inc. | 345 | 110.00 | 10/21/16 | (10,350) |
| Rockwell Automation, Inc. | 350 | 125.00 | 10/21/16 | (35,000) |
| Sally Beauty Holdings, Inc. | 450 | 30.00 | 10/21/16 | (4,500) |
| Schlumberger, Ltd. | 380 | 79.00 | 10/28/16 | (68,020) |

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| | | | | |
|---|------------------|---------------|-------------------|-----------------------|
| Sempra Energy | 350 | 110.00 | 10/21/16 | (22,750) |
| | Number of | Strike | Expiration | |
| Security | Contracts | Price | Date | Value |
| Time Warner, Inc. | 465 | \$ 82.50 | 11/4/16 | \$ (47,917) |
| United Technologies Corp. | 490 | 106.00 | 10/28/16 | (21,315) |
| Verizon Communications, Inc. | 580 | 53.50 | 10/14/16 | (2,610) |
| Visa, Inc., Class A | 950 | 85.50 | 10/14/16 | (8,550) |
| Whirlpool Corp. | 125 | 185.00 | 10/7/16 | (437) |
| Zayo Group Holdings, Inc. | 1,400 | 32.50 | 10/21/16 | (3,500) |
| Zimmer Biomet Holdings, Inc. | 340 | 130.00 | 10/21/16 | (70,550) |
| Total Covered Call Options Written (premiums received \$2,334,250) | | | | \$ (2,054,372) |
| Other Assets, Less Liabilities 2.1% | | | | \$ 11,296,881 |
| Net Assets 100.0% | | | | \$ 531,745,269 |

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

(1) A portion of each applicable common stock for which a written call option is outstanding at September 30, 2016 has been pledged as collateral for such written option.

(2) Non-income producing security.

(3) 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 September 30, 2016.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Statement of Assets and Liabilities

| | September 30, 2016 |
|--|---------------------------|
| Assets | |
| Unaffiliated investments, at value (identified cost, \$434,621,408) | \$ 519,748,163 |
| Affiliated investment, at value (identified cost, \$2,754,597) | 2,754,597 |
| Dividends receivable | 1,033,125 |
| Interest receivable from affiliated investment | 4,620 |
| Receivable for investments sold | 20,696,981 |
| Receivable for premiums on written options | 382,379 |
| Tax reclaims receivable | 28,203 |
| Total assets | \$ 544,648,068 |
| Liabilities | |
| Written options outstanding, at value (premiums received, \$2,334,250) | \$ 2,054,372 |
| Payable for investments purchased | 9,314,818 |
| Payable for closed written options | 854,157 |
| Payable to affiliates: | |
| Investment adviser fee | 436,522 |
| Accrued expenses | 242,930 |
| Total liabilities | \$ 12,902,799 |
| Net Assets | \$ 531,745,269 |
| Sources of Net Assets | |
| Common shares, \$0.01 par value, unlimited number of shares authorized, 39,173,049 shares issued and outstanding | \$ 391,730 |
| Additional paid-in capital | 470,220,431 |
| Accumulated net realized loss | (24,132,291) |
| Accumulated distributions in excess of net investment income | (141,357) |
| Net unrealized appreciation | 85,406,756 |
| Net Assets | \$ 531,745,269 |
| Net Asset Value | |
| (\$531,745,269 ÷ 39,173,049 common shares issued and outstanding) | \$ 13.57 |

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Statement of Operations

| | Year Ended |
|--|-----------------------|
| | September 30, 2016 |
| Investment Income | |
| Dividends (net of foreign taxes, \$22,840) | \$ 11,272,677 |
| Interest income allocated from affiliated investment | 23,613 |
| Expenses allocated from affiliated investment | (685) |
| Total investment income | \$ 11,295,605 |
| Expenses | |
| Investment adviser fee | \$ 5,321,330 |
| Trustees' fees and expenses | 28,809 |
| Custodian fee | 217,996 |
| Transfer and dividend disbursing agent fees | 17,979 |
| Legal and accounting services | 80,982 |
| Printing and postage | 224,074 |
| Miscellaneous | 57,963 |
| Total expenses | \$ 5,949,133 |
| Net investment income | \$ 5,346,472 |
| Realized and Unrealized Gain (Loss) | |
| Net realized gain (loss) | |
| Investment transactions | \$ (2,546,785) |
| Investment transactions allocated from affiliated investment | 83 |
| Written options | (5,839,053) |
| Foreign currency and forward foreign currency exchange contract transactions | (152,964) |
| Net realized loss | \$ (8,538,719) |
| Change in unrealized appreciation (depreciation) | |
| Investments | \$ 52,378,433 |
| Written options | (1,834,940) |
| Foreign currency | 6,820 |
| Net change in unrealized appreciation (depreciation) | \$ 50,550,313 |
| Net realized and unrealized gain | \$ 42,011,594 |
| Net increase in net assets from operations | \$ 47,358,066 |

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Statements of Changes in Net Assets

| | Year Ended September 30, | |
|--|--------------------------|------------------------|
| | 2016 | 2015 |
| Increase (Decrease) in Net Assets | | |
| From operations | | |
| Net investment income | \$ 5,346,472 | \$ 9,146,090 |
| Net realized gain (loss) from investment transactions, written options, and foreign currency and forward foreign currency exchange contract transactions | (8,538,719) | 7,927,381 |
| Net change in unrealized appreciation (depreciation) from investments, written options and foreign currency | 50,550,313 | (23,318,487) |
| Net increase (decrease) in net assets from operations | \$ 47,358,066 | \$ (6,245,016) |
| Distributions to shareholders | | |
| From net investment income | \$ (4,350,266) | \$ (9,215,176) |
| From net realized gain | | (24,430,955) |
| Tax return of capital | (36,264,351) | (6,968,486) |
| Total distributions | \$ (40,614,617) | \$ (40,614,617) |
| Net increase (decrease) in net assets | \$ 6,743,449 | \$ (46,859,633) |
| Net Assets | | |
| At beginning of year | \$ 525,001,820 | \$ 571,861,453 |
| At end of year | \$ 531,745,269 | \$ 525,001,820 |
| Accumulated distributions in excess of net investment income included in net assets | | |
| At end of year | \$ (141,357) | \$ |

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Financial Highlights

| | Year Ended September 30, | | | | |
|--|--------------------------|-------------------|-------------------|-------------------|-------------------|
| | 2016 | 2015 | 2014 | 2013 | 2012 |
| Net asset value Beginning of year | \$ 13.400 | \$ 14.600 | \$ 13.380 | \$ 12.650 | \$ 11.150 |
| Income (Loss) From Operations | | | | | |
| Net investment income ⁽¹⁾ | \$ 0.136 | \$ 0.233 | \$ 0.082 | \$ 0.119 | \$ 0.098 |
| Net realized and unrealized gain (loss) | 1.071 | (0.396) | 2.174 | 1.623 | 2.460 |
| Total income (loss) from operations | \$ 1.207 | \$ (0.163) | \$ 2.256 | \$ 1.742 | \$ 2.558 |
| Less Distributions | | | | | |
| From net investment income | \$ (0.111) | \$ (0.235) | \$ (0.514) | \$ (0.274) | \$ (0.097) |
| From net realized gain | | (0.624) | (0.276) | (0.763) | |
| Tax return of capital | (0.926) | (0.178) | (0.247) | | (0.967) |
| Total distributions | \$ (1.037) | \$ (1.037) | \$ (1.037) | \$ (1.037) | \$ (1.064) |
| Anti-dilutive effect of share repurchase program (see Note 5)⁽¹⁾ | \$ | \$ | \$ 0.001 | \$ 0.025 | \$ 0.006 |
| Net asset value End of year | \$ 13.570 | \$ 13.400 | \$ 14.600 | \$ 13.380 | \$ 12.650 |
| Market value End of year | \$ 12.650 | \$ 11.890 | \$ 13.720 | \$ 12.060 | \$ 11.080 |
| Total Investment Return on Net Asset Value⁽²⁾ | 9.74% | (0.86)% | 17.98% | 15.66% | 25.24% |
| Total Investment Return on Market Value⁽²⁾ | 15.29% | (6.39)% | 23.00% | 19.02% | 25.06% |
| Ratios/Supplemental Data | | | | | |
| Net assets, end of year (000 s omitted) | \$ 531,745 | \$ 525,002 | \$ 571,861 | \$ 524,593 | \$ 503,828 |
| Ratios (as a percentage of average daily net assets): | | | | | |
| Expenses ⁽³⁾ | 1.12% | 1.11% | 1.11% | 1.14% | 1.15% |
| Net investment income | 1.00% | 1.59% | 0.57% | 0.92% | 0.80% |
| Portfolio Turnover | 82% | 72% | 68% | 143% | 35% |

⁽¹⁾ Computed using average 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 Fund's dividend reinvestment plan.

⁽³⁾ Excludes the effect of custody fee credits, if any, of less than 0.005%. Effective September 1, 2015, custody fee credits, which were earned on cash deposit balances, were discontinued by the custodian.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Notes to Financial Statements

1 Significant Accounting Policies

Eaton Vance Enhanced Equity Income Fund (the Fund) 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 Fund's primary investment objective is to provide current income, with a secondary objective of capital appreciation.

The following is a summary of significant accounting policies of the Fund. The policies are in conformity with accounting principles generally accepted in the United States of America (U.S. GAAP). The Fund is an investment company and follows accounting and reporting guidance in the Financial Accounting Standards Board (FASB) Accounting Standards Codification Topic 946.

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

Equity Securities. Equity securities 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.

Derivatives. Exchange-traded options are valued at the mean between the bid and asked prices at valuation time as reported by the Options Price Reporting Authority for U.S. listed options or by the relevant exchange or board of trade for non-U.S. listed options. Over-the-counter options are valued by a third party pricing service using techniques that consider factors including the value of the underlying instrument, the volatility of the underlying instrument and the period of time until option expiration. 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 Fund's forward foreign currency exchange contracts are valued at an interpolated rate between the closest preceding and subsequent settlement period reported 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. The daily valuation of exchange-traded foreign securities generally is determined as of the close of trading on the principal exchange on which such securities trade. Events occurring after the close of trading on foreign exchanges may result in adjustments to the valuation of foreign securities to more accurately reflect their fair value as of the close of regular trading on the New York Stock Exchange. When valuing foreign equity securities that meet certain criteria, the Fund's Trustees have approved the use of a fair value service that values such securities to reflect market trading that occurs after the close of the applicable foreign markets of comparable securities or other instruments that have a strong correlation to the fair-valued securities.

Affiliated Fund. The Fund 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 Fund's investment in Cash Reserves Fund reflects the Fund'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 based on available market quotations provided by a third party pricing service. To comply with amendments to Rule 2a-7, on or before October 14, 2016 the Cash Reserves Fund began calculating a net asset value (NAV) per share and valuing its securities based on available market quotations provided by a third party pricing service.

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 Fund in a manner that fairly reflects the security's value, or the amount that the Fund 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

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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 Dividend income is recorded on the ex-dividend date for dividends received in cash and/or securities. However, if the ex-dividend date has passed, certain dividends from foreign securities are recorded as the Fund is informed of the ex-dividend date. Withholding taxes on foreign dividends and capital gains have been provided for in accordance with the Fund's understanding of the applicable countries' tax rules and rates. Interest income is recorded on the basis of interest accrued, adjusted for amortization of premium or accretion of discount.

D Federal Taxes The Fund'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.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Notes to Financial Statements continued

As of September 30, 2016, the Fund had no uncertain tax positions that would require financial statement recognition, de-recognition, or disclosure. The Fund 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 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.

F Use of Estimates The preparation of the financial statements in conformity with U.S. GAAP 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.

G Indemnifications Under the Fund'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 Fund. Under Massachusetts law, if certain conditions prevail, shareholders of a Massachusetts business trust (such as the Fund) could be deemed to have personal liability for the obligations of the Fund. However, the Fund's Declaration of Trust contains an express disclaimer of liability on the part of Fund shareholders and the By-laws provide that the Fund shall assume the defense on behalf of any Fund shareholders. Moreover, the By-laws also provide for indemnification out of Fund 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 Fund enters into agreements with service providers that may contain indemnification clauses. The Fund's maximum exposure under these arrangements is unknown as this would involve future claims that may be made against the Fund that have not yet occurred.

H Forward Foreign Currency Exchange Contracts The Fund 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.

I Written Options Upon the writing of a call or a put option, the premium received by the Fund is included in the Statement of Assets and Liabilities as a liability. The amount of the liability is subsequently marked-to-market to reflect the current market value of the option written, in accordance with the Fund's policies on investment valuations discussed above. Premiums received from writing options which expire are treated as realized gains. Premiums received from writing options which are exercised or are closed are added to or offset against the proceeds or amount paid on the transaction to determine the realized gain or loss. When an index option is exercised, the Fund is required to deliver an amount of cash determined by the excess of the strike price of the option over the value of the index (in the case of a put) or the excess of the value of the index over the strike price of the option (in the case of a call) at contract termination. If a put option on a security is exercised, the premium reduces the cost basis of the securities purchased by the Fund. The Fund, as a writer of an option, may have no control over whether the underlying securities or other assets may be sold (call) or purchased (put) and, as a result, bears the market risk of an unfavorable change in the price of the securities or other assets underlying the written option. The Fund may also bear the risk of not being able to enter into a closing transaction if a liquid secondary market does not exist.

2 Distributions to Shareholders and Income Tax Information

Subject to its Managed Distribution Plan, the Fund makes monthly distributions from its cash available for distribution, which consists of the Fund's dividends and interest income after payment of Fund expenses, net option premiums and net realized and unrealized gains on stock investments. The Fund intends to distribute all or substantially all of its net realized capital gains. Distributions are recorded on the ex-dividend date. Distributions to shareholders are determined in accordance with income tax regulations, which may differ from U.S. GAAP. As required by U.S. GAAP, only distributions in excess of tax basis earnings and profits are reported in the financial statements as a return of capital. Permanent differences between book and tax accounting relating to distributions are

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reclassified to paid-in capital. For tax purposes, distributions from short-term capital gains are considered to be from ordinary income. Distributions in any year may include a substantial return of capital component.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Notes to Financial Statements continued

The tax character of distributions declared for the years ended September 30, 2016 and September 30, 2015 was as follows:

| | Year Ended September 30, | |
|-------------------------------------|---------------------------------|---------------|
| | 2016 | 2015 |
| Distributions declared from: | | |
| Ordinary income | \$ 4,350,266 | \$ 9,215,176 |
| Long-term capital gains | \$ | \$ 24,430,955 |
| Tax return of capital | \$ 36,264,351 | \$ 6,968,486 |

During the year ended September 30, 2016, accumulated net realized loss was decreased by \$1,137,563 and accumulated distributions in excess of net investment income was increased by \$1,137,563 due to differences between book and tax accounting, primarily for foreign currency gain (loss), distributions from real estate investment trusts and investments in partnerships. These reclassifications had no effect on the net assets or net asset value per share of the Fund.

As of September 30, 2016, the components of distributable earnings (accumulated losses) on a tax basis were as follows:

| | |
|---|-----------------|
| Deferred capital losses and post October capital losses | \$ (22,830,503) |
| Late year ordinary losses | \$ (117,592) |
| Net unrealized appreciation | \$ 84,081,203 |

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, foreign currency transactions and investments in partnerships.

At September 30, 2016, the Fund, for federal income tax purposes, had deferred capital losses of \$20,467,687 which would 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 would reduce the amount of distributions to shareholders, which would otherwise be necessary to relieve the Fund of any liability for federal income or excise tax. The deferred capital losses are treated as arising on the first day of the Fund's next taxable year and retain the same short-term or long-term character as when originally deferred. Of the deferred capital losses at September 30, 2016, \$20,467,687 are short-term.

Additionally, at September 30, 2016, the Fund had a net capital loss of \$2,362,816 attributable to security transactions incurred after October 31, 2015 that it has elected to defer. This net capital loss is treated as arising on the first day of the Fund's taxable year ending September 30, 2017.

Additionally, at September 30, 2016, the Fund had a late year ordinary loss of \$117,592 which it has elected to defer to the following taxable year pursuant to income tax regulations. Late year ordinary losses represent certain specified losses realized in that portion of a taxable year after October 31 that are treated as ordinary for tax purposes plus ordinary losses attributable to that portion of a taxable year after December 31.

The cost and unrealized appreciation (depreciation) of investments of the Fund at September 30, 2016, as determined on a federal income tax basis, were as follows:

| | |
|-----------------------|-----------------------|
| Aggregate cost | \$ 438,677,793 |
|-----------------------|-----------------------|

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| | |
|------------------------------------|----------------------|
| Gross unrealized appreciation | \$ 90,569,358 |
| Gross unrealized depreciation | (6,744,391) |
| Net unrealized appreciation | \$ 83,824,967 |

[3 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 Fund. The fee is computed at an annual rate of 1.00% of the Fund's average daily gross assets and is payable monthly. Gross assets as referred to herein represent net assets plus obligations attributable to investment leverage, if any. For the year ended September 30, 2016, the Fund's investment adviser fee amounted to \$5,321,330. The Fund 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 Fund, but receives no compensation.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Notes to Financial Statements continued

Trustees and officers of the Fund who are members of EVM's organization receive remuneration for their services to the Fund out of the investment adviser fee. Trustees of the Fund 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 September 30, 2016, no significant amounts have been deferred. Certain officers and Trustees of the Fund are officers of EVM.

4 Purchases and Sales of Investments

Purchases and sales of investments, other than short-term obligations, aggregated \$434,777,501 and \$488,459,311, respectively, for the year ended September 30, 2016.

5 Common Shares of Beneficial Interest

The Fund may issue common shares pursuant to its dividend reinvestment plan. There were no common shares issued by the Fund for the years ended September 30, 2016 and September 30, 2015.

The Board of Trustees of the Fund approved the continuation of the Fund's share repurchase program that has been in effect since August 6, 2012. Pursuant to the terms of the reauthorization of the program, the Fund may repurchase up to 10% of its common shares outstanding as of September 30, 2013 in open market transactions at a discount to net asset value (NAV). The terms of the reauthorization increased the number of shares available for repurchase. The repurchase program does not obligate the Fund to purchase a specific amount of shares. There were no repurchases of common shares by the Fund for the years ended September 30, 2016 and September 30, 2015.

6 Financial Instruments

The Fund 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 written options 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 Fund 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. A summary of obligations under these financial instruments at September 30, 2016 is included in the Portfolio of Investments. At September 30, 2016, the Fund had sufficient cash and/or securities to cover commitments under these contracts.

At September 30, 2016, there were no forward foreign currency exchange contracts outstanding.

Written options activity for the year ended September 30, 2016 was as follows:

| | Number of Contracts | Premiums Received |
|---|------------------------|----------------------|
| Outstanding, beginning of year | 39,470 | \$ 3,382,526 |
| Options written | 415,199 | 31,209,457 |
| Options terminated in closing purchase transactions | (198,255) | (14,745,674) |
| Options expired | (225,703) | (17,512,059) |
| Outstanding, end of year | 30,711 | \$ 2,334,250 |

In the normal course of pursuing its investment objectives, the Fund is subject to the following risks:

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Equity Price Risk: The Fund writes covered call options on individual stocks above the current value of the stock to generate premium income. In writing call options on individual stocks, the Fund in effect, sells potential appreciation in the value of the applicable stock above the exercise price in exchange for the option premium received. The Fund retains the risk of loss, minus the premium received, should the price of the underlying stock decline.

Foreign Exchange Risk: The Fund may hold 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 Fund entered into forward foreign currency exchange contracts during the year ended September 30, 2016.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Notes to Financial Statements continued

The Fund 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 Fund's net assets below a certain level over a certain period of time, which would trigger a payment by the Fund for those derivatives in a liability position. At September 30, 2016, the Fund had no open derivatives with credit-related contingent features in a net liability position.

The over-the-counter (OTC) derivatives in which the Fund invests are subject to the risk that the counterparty to the contract fails to perform its obligations under the contract. The Fund is not subject to counterparty credit risk with respect to its written options as the Fund, not the counterparty, is obligated to perform under such derivatives. To mitigate this risk, the Fund has entered into an International Swaps and Derivatives Association, Inc. Master Agreement (ISDA Master Agreement) or similar agreement with substantially all its derivative counterparties. An ISDA Master Agreement is a bilateral agreement between the Fund and a counterparty that governs certain OTC derivatives and typically contains, among other things, set-off provisions in the event of a default and/or termination event as defined under the relevant ISDA Master Agreement. Under an ISDA Master Agreement, the Fund may, under certain circumstances, offset with the counterparty certain derivative financial instruments payables and/or receivables with collateral held and/or posted and create one single net payment. The provisions of the ISDA Master Agreement typically permit a single net payment in the event of default including the bankruptcy or insolvency of the counterparty. However, bankruptcy or insolvency laws of a particular jurisdiction may impose restrictions on or prohibitions against the right of offset in bankruptcy or insolvency. Certain ISDA Master Agreements allow counterparties to OTC derivatives to terminate derivative contracts prior to maturity in the event the Fund's net assets decline by a stated percentage or the Fund fails to meet the terms of its ISDA Master Agreements, which would cause the counterparty to accelerate payment by the Fund of any net liability owed to it.

The collateral requirements for derivatives traded under an ISDA Master Agreement are governed by a Credit Support Annex to the ISDA Master Agreement. Collateral requirements are determined at the close of business each day and are typically based on changes in market values for each transaction under an ISDA Master Agreement and netted into one amount for such agreement. Generally, the amount of collateral due from or to a counterparty is subject to a minimum transfer threshold amount before a transfer is required, which may vary by counterparty. Collateral pledged for the benefit of the Fund and/or counterparty is held in segregated accounts by the Fund's custodian and cannot be sold, re-pledged, assigned or otherwise used while pledged. The portion of such collateral representing cash, if any, is reflected as restricted cash and, in the case of cash pledged by a counterparty for the benefit of the Fund, a corresponding liability on the Statement of Assets and Liabilities. Securities pledged by the Fund as collateral, if any, are identified as such in the Portfolio of Investments.

The fair value of open derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) and whose primary underlying risk exposure is equity price risk at September 30, 2016 was as follows:

| Derivative | Fair Value | |
|-----------------|------------------|-------------------------------------|
| | Asset Derivative | Liability Derivative ⁽¹⁾ |
| Written options | \$ | \$ (2,054,372) |

⁽¹⁾ Statement of Assets and Liabilities location: Written options outstanding, at value.

The effect of derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) on the Statement of Operations by risk exposure for the year ended September 30, 2016 was as follows:

| Risk | Derivative | Realized Gain (Loss) on Derivatives Recognized in Income ⁽¹⁾ | Change in Unrealized Appreciation (Depreciation) on Derivatives Recognized in Income ⁽²⁾ |
|------|------------|---|---|
|------|------------|---|---|

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| | | | | | |
|------------------|---|-----------|--------------------|-----------|--------------------|
| Equity Price | Written options | \$ | (5,839,053) | \$ | (1,834,940) |
| Foreign Exchange | Forward foreign currency exchange contracts | | (148,769) | | |
| Total | | \$ | (5,987,822) | \$ | (1,834,940) |

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

(2) Statement of Operations location: Change in unrealized appreciation (depreciation) Written options.

The average notional amount of forward foreign currency exchange contracts outstanding during the year ended September 30, 2016, which is indicative of the volume of this derivative type, was approximately \$440,000.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Notes to Financial Statements continued

7 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)

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 September 30, 2016, the hierarchy of inputs used in valuing the Fund's investments and open derivative instruments, which are carried at value, were as follows:

| Asset Description | Level 1 | Level 2 | Level 3 | Total |
|------------------------------|-----------------------|---------------------|-----------|-----------------------|
| Common Stocks | \$ 519,748,163* | \$ | \$ | \$ 519,748,163 |
| Short-Term Investments | | 2,754,597 | | 2,754,597 |
| Total Investments | \$ 519,748,163 | \$ 2,754,597 | \$ | \$ 522,502,760 |
| Liability Description | | | | |
| Covered Call Options Written | \$ (2,054,372) | \$ | \$ | \$ (2,054,372) |
| Total | \$ (2,054,372) | \$ | \$ | \$ (2,054,372) |

* The level classification by major category of investments is the same as the category presentation in the Portfolio of Investments.

The Fund held no investments or other financial instruments as of September 30, 2015 whose fair value was determined using Level 3 inputs. At September 30, 2016, there were no investments transferred between Level 1 and Level 2 during the year then ended.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Report of Independent Registered Public Accounting Firm

To the Trustees and Shareholders of Eaton Vance Enhanced Equity Income Fund:

We have audited the accompanying statement of assets and liabilities of Eaton Vance Enhanced Equity Income Fund (the Fund), including the portfolio of investments, as of September 30, 2016, and the related statement of operations 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 Fund'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 Fund 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 Fund'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 owned as of September 30, 2016, by correspondence with the custodian and brokers; where replies were not received from brokers, 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 Enhanced Equity Income Fund as of September 30, 2016, the results of its operations 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

November 17, 2016

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Federal Tax Information (Unaudited)

The Form 1099-DIV you receive in February 2017 will show the tax status of all distributions paid to your account in calendar year 2016. Shareholders are advised to consult their own tax adviser with respect to the tax consequences of their investment in the Fund. As required by the Internal Revenue Code and/or regulations, shareholders must be notified regarding the status of qualified dividend income for individuals and the dividends received deduction for corporations.

Qualified Dividend Income. For the fiscal year ended September 30, 2016, the Fund designates approximately \$9,563,351, or up to the maximum amount of such dividends allowable pursuant to the Internal Revenue Code, as qualified dividend income eligible for the reduced tax rate of 15%.

Dividends Received Deduction. Corporate shareholders are generally entitled to take the dividends received deduction on the portion of the Fund's dividend distribution that qualifies under tax law. For the Fund's fiscal 2016 ordinary income dividends, 100.00% qualifies for the corporate dividends received deduction.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Annual Meeting of Shareholders (Unaudited)

The Fund held its Annual Meeting of Shareholders on July 21, 2016. The following action was taken by the shareholders:

Item 1: The election of Valerie A. Mosley, Helen Frame Peters and Ralph F. Verni as Class III Trustees of the Fund for a three-year term expiring in 2019.

Nominee for Trustee

Number of Shares

Elected by All Shareholders

| | For | Withheld |
|--------------------|------------|-----------------|
| Valerie A. Mosley | 35,266,764 | 790,671 |
| Helen Frame Peters | 35,211,493 | 845,942 |
| Ralph F. Verni | 35,245,038 | 812,397 |

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Dividend Reinvestment Plan

The Fund offers a dividend reinvestment plan (Plan) pursuant to which shareholders may elect to have distributions automatically reinvested in common shares (Shares) of the Fund. 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, LLC (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 Fund'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 Fund. 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.

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Enhanced Equity Income Fund

September 30, 2016

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 Enhanced Equity Income Fund

c/o American Stock Transfer & Trust Company, LLC

P.O. Box 922

Wall Street Station

New York, NY 10269-0560

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Number of Employees

The Fund 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 September 30, 2016, Fund records indicate that there are 19 registered shareholders and approximately 27,954 shareholders owning the Fund shares in street name, such as through brokers, banks, and financial intermediaries.

If you are a street name shareholder and wish to receive Fund reports directly, which contain important information about the Fund, 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 EOI.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Board of Trustees Contract Approval

Overview of the Contract Review Process

The Investment Company Act of 1940, as amended (the "1940 Act"), provides, in substance, that each investment advisory agreement between a fund and its investment adviser will continue in effect from year to year only if its continuation is approved at least annually by the fund's board of trustees, including by a vote of a majority of the trustees who are not interested persons of the fund (Independent Trustees), cast in person at a meeting called for the purpose of considering such approval.

At a meeting of the Boards of Trustees (each a Board) of the registered investment companies advised, administered and/or distributed by Eaton Vance Management or its affiliates (the Eaton Vance Funds) held on April 26, 2016, the Board, including a majority of the Independent Trustees, voted to approve continuation of existing investment advisory and sub-advisory agreements for the Eaton Vance Funds for an additional one-year period. In voting its approval, the Board relied upon the affirmative recommendation of its Contract Review Committee, which is a committee comprised exclusively of Independent Trustees. Prior to making its recommendation, the Contract Review Committee reviewed information furnished by each adviser to the Eaton Vance Funds (including information specifically requested by the Board) for a series of meetings of the Contract Review Committee held between February and April 2016. The Contract Review Committee also considered information received at prior meetings of the Board and its committees, as relevant to its annual evaluation of the investment advisory and sub-advisory agreements.

The information that the Board considered included, among other things, the following (for funds that invest through one or more underlying portfolio(s), references to each fund in this section may include information that was considered at the portfolio-level):

Information about Fees, Performance and Expenses

A report from an independent data provider comparing the advisory and related fees paid by each fund with fees paid by comparable funds as identified by the independent data provider (comparable funds);

A report from an independent data provider comparing each fund's total expense ratio and its components to comparable funds;

A report from an independent data provider comparing the investment performance of each fund (including, where relevant, yield data, Sharpe ratios and information ratios) to the investment performance of comparable funds over various time periods;

Data regarding investment performance in comparison to benchmark indices and customized groups of peer funds identified by the adviser in consultation with the Board;

For each fund, comparative information concerning the fees charged and the services provided by each adviser in managing other accounts (including mutual funds, other collective investment funds and institutional accounts) using investment strategies and techniques similar to those used in managing such fund;

Profitability analyses for each adviser with respect to each fund;

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Information about Portfolio Management and Trading

Descriptions of the investment management services provided to each fund, including the investment strategies and processes it employs;

The procedures and processes used to determine the fair value of fund assets and actions taken to monitor and test the effectiveness of such procedures and processes;

Information about each adviser's policies and practices with respect to trading, including each adviser's processes for monitoring best execution of portfolio transactions;

Information about the allocation of brokerage transactions and the benefits received by each adviser as a result of brokerage allocation, including information concerning the acquisition of research through client commission arrangements and policies with respect to soft dollars ;

Data relating to portfolio turnover rates of each fund;

Information about each Adviser

Reports detailing the financial results and condition of each adviser;

Descriptions of the qualifications, education and experience of the individual investment professionals whose responsibilities include portfolio management and investment research for the funds, and information relating to their compensation and responsibilities with respect to managing other mutual funds and investment accounts;

The Code of Ethics of each adviser and its affiliates, together with information relating to compliance with and the administration of such codes;

Policies and procedures relating to proxy voting and the handling of corporate actions and class actions;

Information concerning the resources devoted to compliance efforts undertaken by each adviser and its affiliates (including descriptions of various compliance programs) and their record of compliance;

Information concerning the business continuity and disaster recovery plans of each adviser and its affiliates;

A description of Eaton Vance Management's procedures for overseeing third party advisers and sub-advisers, including with respect to regulatory and compliance issues, investment management and other matters;

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

[Board of Trustees](#) [Contract Approval](#) [continued](#)

Other Relevant Information

Information concerning the nature, cost and character of the administrative and other non-investment advisory services provided by Eaton Vance Management and its affiliates;

Information concerning management of the relationship with the custodian, subcustodians and fund accountants by each adviser or the funds' administrator; and

The terms of each investment advisory agreement.

Over the course of the twelve-month period ended April 30, 2016, with respect to one or more funds, the Board met ten times and the Contract Review Committee, the Audit Committee, the Governance Committee, the Portfolio Management Committee and the Compliance Reports and Regulatory Matters Committee, each of which is a Committee comprised solely of Independent Trustees, met seven, sixteen, four, nine and eleven times, respectively. At such meetings, the Trustees participated in investment and performance reviews with the portfolio managers and other investment professionals of each investment adviser relating to each fund, and considered various investment and trading strategies used in pursuing each fund's investment objective, such as the use of derivative instruments, as well as risk management techniques. The Board and its Committees also evaluated issues pertaining to industry and regulatory developments, compliance procedures, fund governance and other issues with respect to the funds, and received and participated in reports and presentations provided by Eaton Vance Management and other fund advisers with respect to such matters. In addition to the formal meetings of the Board and its Committees, the Independent Trustees hold regular teleconferences in between meetings to discuss, among other topics, matters relating to the continuation of investment advisory and sub-advisory agreements.

For funds that invest through one or more underlying portfolios, the Board considered similar information about the portfolio(s) when considering the approval of investment advisory agreements. In addition, in cases where the fund's investment adviser has engaged a sub-adviser, the Board considered similar information about the sub-adviser when considering the approval of any sub-advisory agreement.

The Contract Review Committee was assisted throughout the contract review process by Goodwin Procter LLP, independent legal counsel for the Independent Trustees. The members of the Contract Review Committee relied upon the advice of such counsel and their own business judgment in determining the material factors to be considered in evaluating each investment advisory and sub-advisory agreement and the weight to be given to each such factor. The conclusions reached with respect to each investment advisory and sub-advisory agreement were based on a comprehensive evaluation of all the information provided and not any single factor. Moreover, each member of the Contract Review Committee may have placed varying emphasis on particular factors in reaching conclusions with respect to each investment advisory and sub-advisory agreement. In evaluating each investment advisory and sub-advisory agreement, including the specific fee structures and other terms of the agreements, the Contract Review Committee was informed by multiple years of analysis and discussion among the Independent Trustees and the Eaton Vance Funds' advisers and sub-advisers.

[Results of the Process](#)

Based on its consideration of the foregoing, and such other information as it deemed relevant, including the factors and conclusions described below, the Contract Review Committee concluded that the continuation of the investment advisory agreement of Eaton Vance Enhanced Equity Income Fund (the "Fund") with Eaton Vance Management (the "Adviser"), including its fee structure, is in the interests of shareholders and, therefore, the Contract Review Committee recommended to the Board approval of the agreement. The Board accepted the recommendation of the Contract Review Committee based on the material factors considered and conclusions reached by the Contract Review Committee with respect to the agreement. Accordingly, the Board, including a majority of the Independent Trustees, voted to approve continuation of the investment advisory agreement for the Fund.

[Nature, Extent and Quality of Services](#)

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In considering whether to approve the investment advisory agreement of the Fund, the Board evaluated the nature, extent and quality of services provided to the Fund by the Adviser.

The Board considered the Adviser's management capabilities and investment process with respect to the types of investments held by the Fund, including the education, experience and number of its investment professionals and other personnel who provide portfolio management, investment research, and similar services to the Fund, including recent changes to such personnel. In particular, the Board considered, where relevant, the abilities and experience of such investment professionals in analyzing special considerations relevant to investing in particular markets or industries and implementing the Fund's options strategy. The Board considered that the Adviser has devoted extensive resources to in-house equity research and also draws upon independent research available from third-party sources. The Board also took into account the resources dedicated to portfolio management and other services, as well as the compensation methods of the Adviser and other factors, such as the reputation and resources of the Adviser to recruit and retain highly qualified research, advisory and supervisory investment professionals. In addition, the Board considered the time and attention devoted to the Eaton Vance Funds, including the Fund, by senior management, as well as the infrastructure, operational capabilities and support staff in place to assist in the portfolio management and operations of the Fund, including the provision of administrative services.

The Board considered the compliance programs of the Adviser and relevant affiliates thereof. Among other matters, the Board considered compliance and reporting matters relating to personal trading by investment professionals, selective disclosure of portfolio holdings, late trading, frequent trading, portfolio

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

[Board of Trustees](#) [Contract Approval](#) [continued](#)

valuation, business continuity and the allocation of investment opportunities. The Board also considered the responses of the Adviser and its affiliates to requests in recent years from regulatory authorities such as the Securities and Exchange Commission and the Financial Industry Regulatory Authority.

The Board considered shareholder and other administrative services provided or managed by Eaton Vance Management and its affiliates, including transfer agency and accounting services. The Board evaluated the benefits to shareholders of investing in a fund that is a part of a large fund complex offering exposure to a variety of asset classes and investment disciplines.

After consideration of the foregoing factors, among others, the Board concluded that the nature, extent and quality of services provided by the Adviser, taken as a whole, are appropriate and consistent with the terms of the investment advisory agreement.

[Fund Performance](#)

The Board compared the Fund's investment performance to that of comparable funds and appropriate benchmark indices, as well as a customized peer group of similarly managed funds. The Board's review included comparative performance data for the one-, three-, five and ten-year periods ended September 30, 2015 for the Fund. The Board concluded that the performance of the Fund was satisfactory.

[Management Fees and Expenses](#)

The Board considered contractual fee rates payable by the Fund for advisory and administrative services (referred to collectively as "management fees"). As part of its review, the Board considered the Fund's management fees and total expense ratio for the one year period ended September 30, 2015, as compared to those of comparable funds, before and after giving effect to any undertaking to waive fees or reimburse expenses. The Board also considered factors that had an impact on Fund expense ratios relative to comparable funds.

After considering the foregoing information, and in light of the nature, extent and quality of the services provided by the Adviser, the Board concluded that the management fees charged for advisory and related services are reasonable.

[Profitability and Other](#) [Fall-Out](#) [Benefits](#)

The Board considered the level of profits realized by the Adviser and relevant affiliates thereof in providing investment advisory and administrative services to the Fund and to all Eaton Vance Funds as a group. The Board considered the level of profits realized without regard to marketing support or other payments by the Adviser and its affiliates to third parties in respect of distribution services. The Board also considered other direct or indirect fall-out benefits received by the Adviser and its affiliates in connection with their relationships with the Fund, including the benefits of research services that may be available to the Adviser as a result of securities transactions effected for the Fund and other investment advisory clients.

The Board concluded that, in light of the foregoing factors and the nature, extent and quality of the services rendered, the profits realized by the Adviser and its affiliates are deemed not to be excessive.

[Economies of Scale](#)

In reviewing management fees and profitability, the Board also considered the extent to which the Adviser and its affiliates, on the one hand, and the Fund, on the other hand, can expect to realize benefits from economies of scale as the assets of the Fund increase. The Board acknowledged the difficulty in accurately measuring the benefits resulting from economies of scale, if any, with respect to the management of any specific fund or group of funds. The Board reviewed data summarizing the increases and decreases in the assets of the Fund and of all Eaton Vance Funds as a group over various time periods, and evaluated the extent to which the total expense ratio of the Fund and the profitability of the Adviser and its affiliates may have been affected by such increases or decreases. Based upon the foregoing, the Board concluded that the Fund currently shares in any benefits from economies of scale. The Board also considered the fact that the Fund is not

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continuously offered and that the Fund's assets are not expected to increase materially in the foreseeable future. The Board concluded that, in light of the level of the Adviser's profits with respect to the Fund, the implementation of breakpoints in the advisory fee schedule is not warranted at this time.

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Management and Organization

Fund Management. The Trustees of Eaton Vance Enhanced Equity Income Fund (the Fund) are responsible for the overall management and supervision of the Fund'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 Fund, 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, EVMI refers to Eaton Vance Management (International) Limited and EVD refers to Eaton Vance Distributors, Inc. EVC and EV are the corporate parent and trustee, respectively, of EVM and BMR. EVMI is an indirect, wholly-owned subsidiary of EVC. 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 176 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 Fund | Term Expiring; Trustee Since ⁽¹⁾ | Principal Occupation(s) and Directorships |
|--|---------------------------------|---|---|
| | | | During Past Five Years and Other Relevant Experience |
| Interested Trustee | | | |
| Thomas E. Faust Jr. 1958 | Class I Trustee | Until 2017. 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 and EVMI. Trustee and/or officer of 176 registered investment companies. Mr. Faust is an interested person because of his positions with EVM, BMR, EVD, EVMI, EVC and EV, which are affiliates of the Fund. Directorships in the Last Five Years. ⁽²⁾ Director of EVC and Hexavest Inc. (investment management firm). |
| Noninterested Trustees | | | |
| Scott E. Eston 1956 | Class I Trustee | Until 2017. 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) (a registered public accounting firm) (1987-1997). Mr. Eston has apprised the Board of Trustees that he intends to retire as a Trustee of all Eaton Vance funds effective September 30, 2017. Directorships in the Last Five Years. ⁽²⁾ None. |
| Mark R. Fetting ⁽³⁾ 1954 | Class III Trustee | Until 2019. Trustee since | Private investor. Formerly, held various positions at Legg Mason, Inc. (investment management firm) (2000-2012), including President, Chief Executive Officer, Director and Chairman (2008-2012), Senior Executive Vice President (2004-2008) and Executive Vice President (2001-2004). Formerly, President of Legg Mason family of |

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| | | | |
|------------------|----------|---------------------|--|
| | | 2016. | funds (2001-2008). Formerly, Division President and Senior Officer of Prudential Financial Group, Inc. and related companies (investment management firm) (1991-2000). |
| | | | Directorships in the Last Five Years. Director and Chairman of Legg Mason, Inc. (2008-2012); Director/Trustee and Chairman of Legg Mason family of funds (14 funds) (2008-2012); and Director/Trustee of the Royce family of funds (35 funds) (2001-2012). |
| Cynthia E. Frost | Class I | Until 2017. | Private investor. Formerly, Chief Investment Officer of Brown University (university endowment) (2000-2012); Portfolio Strategist for Duke Management Company (university endowment manager) (1995-2000); Managing Director, Cambridge Associates (investment consulting company) (1989-1995); Consultant, Bain and Company (management consulting firm) (1987-1989); Senior Equity Analyst, BA Investment Management Company (1983-1985). |
| 1961 | Trustee | Trustee since 2014. | |
| | | | Directorships in the Last Five Years. None. |
| George J. Gorman | Class II | Until 2018. | Principal at George J. Gorman LLC (consulting firm). Formerly, Senior Partner at Ernst & Young LLP (a registered public accounting firm) (1974-2009). |
| 1952 | Trustee | Trustee since 2014. | Directorships in the Last Five Years. Formerly, Trustee of the BofA Funds Series Trust (11 funds) (2011-2014) and of the Ashmore Funds (9 funds) (2010-2014). |

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Management and Organization continued

| Name and Year of Birth | Position(s) | Term Expiring; | Principal Occupation(s) and Directorships |
|---|--|--|---|
| | with the Fund | Trustee Since ⁽¹⁾ | During Past Five Years and Other Relevant Experience |
| Noninterested Trustees (continued) | | | |
| Valerie A. Mosley 1960 | Class III Trustee | Until 2019. Trustee since 2014. | Chairwoman and Chief Executive Officer of Valmo Ventures (a consulting and investment firm). Former Partner and Senior Vice President, Portfolio Manager and Investment Strategist at Wellington Management Company, LLP (investment management firm) (1992-2012). Former Chief Investment Officer, PG Corbin Asset Management (1990-1992). Formerly worked in institutional corporate bond sales at Kidder Peabody (1986-1990). Directorships in the Last Five Years. ⁽²⁾ Director of Dynex Capital, Inc. (mortgage REIT) (since 2013). |
| William H. Park 1947 | Chairperson of the Board and Class II Trustee | Until 2018. Chairperson of the Board since 2016 and Trustee since 2003. | Private investor. Formerly, Consultant (management and transactional) (2012-2014). 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) (a registered public accounting firm) (1972-1981). Directorships in the Last Five Years. ⁽²⁾ None. |
| Helen Frame Peters 1948 | Class III Trustee | Until 2019. 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. ⁽²⁾ 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). |
| Susan J. Sutherland 1957 | Class II Trustee | Until 2018. Trustee since 2015. | Private investor. Formerly, Associate, Counsel and Partner at Skadden, Arps, Slate, Meagher & Flom LLP (law firm) (1982-2013). Directorships in the Last Five Years. Formerly, Director of Montpelier Re Holdings Ltd. (global provider of customized insurance and reinsurance products) (2013-2015). |
| Harriett Tee Taggart | Class II | Until 2018. | Managing Director, Taggart Associates (a professional practice firm). Formerly, Partner and Senior Vice President, Wellington Management Company, LLP |

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| | | | |
|----------------|-----------|---------------------|---|
| 1948 | Trustee | Trustee since 2011. | <p>(investment management firm) (1983-2006).</p> <p>Directorships in the Last Five Years.⁽²⁾ 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).</p> |
| Ralph F. Verni | Class III | Until 2019. | <p>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. (financial services cooperative) (2002-2006). Consistent with the Trustee retirement policy, Mr. Verni is currently expected to retire as a Trustee of all Eaton Vance funds effective July 1, 2017.</p> |
| 1943 | Trustee | Trustee since 2005. | <p>Directorships in the Last Five Years.⁽²⁾ None.</p> |

Eaton Vance

Enhanced Equity Income Fund

September 30, 2016

Management and Organization continued

| Name and Year of Birth | Position(s) | Term Expiring; | Principal Occupation(s) and Directorships |
|---|---------------|------------------------------|---|
| | with the Fund | Trustee Since ⁽¹⁾ | During Past Five Years and Other Relevant Experience |
| Noninterested Trustees (continued) | | | |
| Scott E. Wennerholm ⁽³⁾ | Class I | Until 2017. | Consultant at GF Parish Group (executive recruiting firm). Trustee at Wheelock College (postsecondary institution) (since 2012). Formerly, Chief Operating Officer and Executive Vice President at BNY Mellon Asset Management (investment management firm) (2005-2011). Formerly, Chief Operating Officer and Chief Financial Officer at Natixis Global Asset Management (investment management firm) (1997-2004). Formerly, Vice President at Fidelity Investments Institutional Services (investment management firm) (1994-1997). |
| 1959 | Trustee | Trustee since 2016. | |

Directorships in the Last Five Years. None.

Principal Officers who are not Trustees

| Name and Year of Birth | Position(s) | Officer | Principal Occupation(s) |
|------------------------|---|----------------------|--------------------------------|
| | with the Fund | Since ⁽⁴⁾ | During Past Five Years |
| Michael A. Allison | President | 2015 | Vice President of EVM and BMR. |
| 1964 | | | |
| Maureen A. Gemma | Vice President, Secretary and Chief Legal Officer | 2005 | Vice President of EVM and BMR. |
| 1960 | | | |
| James F. Kirchner | Treasurer | 2007 | Vice President of EVM and BMR. |
| 1967 | | | |
| Paul M. O Neil | Chief Compliance Officer | 2004 | Vice President of EVM and BMR. |
| 1953 | | | |

⁽¹⁾ Year first appointed to serve as Trustee for a fund in the Eaton Vance family of funds. Each Trustee has served continuously since appointment unless indicated otherwise. Each Trustee holds office until the annual meeting for the year in which his or her term expires and until his or her successor is elected and qualified, subject to a prior death, resignation, retirement, disqualification or removal.

⁽²⁾ During their respective tenures, the Trustees (except for Mmes. Frost and Sutherland and Messrs. Fetting, Gorman and Wennerholm) also served as Board members of one or more of the following funds (which operated in the years noted): eUnitsTM 2 Year U.S. Market Participation Trust; Upside to Cap /

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Buffered Downside (launched in 2012 and terminated in 2014); eUnits™ 2 Year U.S. Market Participation Trust II: Upside to Cap / Buffered Downside (launched in 2012 and terminated in 2014); and Eaton Vance National Municipal Income Trust (launched in 1998 and terminated in 2009). However, Ms. Mosley did not serve as a Board member of eUnits™ 2 Year U.S. Market Participation Trust: Upside to Cap / Buffered Downside (launched in 2012 and terminated in 2014).

(3) Messrs. Fetting and Wennerholm began serving as Trustees effective September 1, 2016.

(4) Year first elected to serve as officer of a fund in the Eaton Vance family of funds when the officer has served continuously. Otherwise, year of most recent election as an officer of a fund in the Eaton Vance family of funds. Titles may have changed since initial election.

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 (International) Limited, 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. *American Stock Transfer and Trust Company, LLC (AST)*, the closed-end funds transfer agent, or your financial advisor, may household the mailing of your documents indefinitely unless you instruct AST, or your financial advisor, otherwise. If you would prefer that your Eaton Vance documents not be householded, please contact AST or your financial advisor. Your instructions that householding not apply to delivery of your Eaton Vance documents will typically be effective within 30 days of receipt by AST 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. The Fund's Board of Trustees has approved a share repurchase program authorizing the Fund to repurchase up to 10% of its outstanding common shares as of the approved date in open-market transactions at a discount to net asset value. The repurchase program does not obligate the Fund to purchase a specific amount of shares. The Fund's repurchase activity, including the number of shares purchased, average price and average discount to net asset value, is disclosed in the Fund'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 preferred shares 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. Other information about the funds is available on the website. 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

State Street Financial Center, One Lincoln Street

Boston, MA 02111

Transfer Agent

American Stock Transfer & Trust Company, LLC

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

2285 9.30.16

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. The registrant has not amended the code of ethics as described in Form N-CSR during the period covered by this report. The registrant has not granted any waiver, including an implicit waiver, from a provision of the code of ethics as described in Form N-CSR during the period covered by this report.

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 private investor. Previously, he served as a consultant, 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

Rule 2-01(c)(1)(ii)(A) of Regulation S-X (the Loan Rule) prohibits an accounting firm, such as the Fund's principal accountant, Deloitte & Touche LLP (D&T), from having certain financial relationships with their audit clients and affiliated entities. Specifically, the Loan Rule provides, in relevant part, that an accounting firm generally would not be independent if it receives a loan from a lender that is a record or beneficial owner of more than ten percent of the audit client's equity securities. Based on information provided to the Audit Committee of the Board of Trustees (the Audit Committee) of the Eaton Vance family of funds by D&T, certain relationships between D&T and its affiliates (Deloitte Entities) and its lenders who are record owners of shares of one or more funds within the Eaton Vance family of funds (the Funds) implicate the Loan Rule, calling into question D&T's independence with respect to the Funds. The Funds are providing this disclosure to explain the facts and circumstances as well as D&T's conclusions concerning D&T's objectivity and impartiality with respect to the audits of the Funds.

D&T advised the Audit Committee of its conclusion that, in light of the facts surrounding its lending relationships, D&T's objectivity and impartiality in the planning and conduct of the audits of the Funds financial statements will not be compromised, D&T is in a position to continue as the auditor for the Funds and no actions need to be taken with respect to previously issued reports by D&T. D&T has advised the Audit Committee that these conclusions were based in part on the following considerations: (1) Deloitte Entity personnel responsible for managing the lending relationships have had no interactions with the audit engagement team; (2) the lending relationships are in good standing and the principal and interest payments are up-to-date; (3) the lending relationships are not significant to the Deloitte Entities or to D&T.

On June 20, 2016, the U.S. Securities and Exchange Commission (the SEC) issued no-action relief to another mutual fund complex (see Fidelity Management & Research Company et al., No-Action Letter (June 20, 2016) (the No-Action Letter)) related to the auditor independence issue described above. In the No-Action Letter, the SEC indicated that it would not recommend enforcement action against the fund group if the auditor is not in compliance with the Loan Rule provided that: (1) the auditor has complied with PCAOB Rule 3526(b)(1) and 3526(b)(2); (2) the auditor's non-compliance under the Loan Rule is with respect to certain lending relationships; and (3) notwithstanding such non-compliance, the auditor has concluded that it is objective and impartial with respect to the issues encompassed within its engagement as auditor of the funds. Based on information provided by D&T, the requirements of the No-Action Letter appear to be met with respect to D&T's lending relationships described above. After giving consideration to the guidance provided in the No-Action Letter, D&T affirmed to the Audit Committee that D&T is an independent accountant with respect to the Funds within the meaning of the rules and standards of the PCAOB and the securities laws and regulations administered by the SEC. The SEC has indicated that the no-action relief will expire 18 months from its issuance.

(a) (d)

The following table presents the aggregate fees billed to the registrant for the registrant's fiscal years ended September 30, 2015 and September 30, 2016 by 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 | 9/30/15 | 9/30/16 |
|-----------------------------------|------------------|------------------|
| Audit Fees | \$ 48,400 | \$ 48,900 |
| Audit-Related Fees ⁽¹⁾ | \$ 0 | \$ 0 |
| Tax Fees ⁽²⁾ | \$ 20,775 | \$ 22,483 |
| All Other Fees ⁽³⁾ | \$ 0 | \$ 0 |
| Total | \$ 69,175 | \$ 71,383 |

- (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.
- (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 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 September 30, 2015 and September 30, 2016; 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.

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| Fiscal Years Ended | 9/30/15 | 9/30/16 |
|----------------------------------|----------------|----------------|
| Registrant | \$ 20,775 | \$ 22,483 |
| Eaton Vance⁽¹⁾ | \$ 46,000 | \$ 56,434 |

(1) The investment adviser to the registrant, as well as any of its affiliates that provide ongoing services to the registrant, are subsidiaries of Eaton Vance Corp.

(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. Ralph F. Verni (Chair), Scott E. Eston, George J. Gorman, William H. Park and Scott E. Wennerholm 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 expects 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

Eaton Vance Management (EVM or Eaton Vance) is the investment adviser of the Fund. Michael A. Allison is responsible for the overall and day-to-day management of the Fund's investments. Mr. Allison is a Vice President of EVM, has been a portfolio manager of the Fund since July 2008, is a member of EVM's Equity Strategy Committee and has managed other Eaton Vance portfolios for more than five years. This information is provided as of the date of the filing of this report.

The following table shows, as of the Fund's most recent fiscal year end, the number of accounts the 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 | Total Assets of Accounts Paying a Performance Fee |
|----------------------------------|------------------------|------------------------------|---|---|
| Michael A. Allison | | | | |
| Registered Investment Companies | 15 | \$ 25,064.2 | 0 | \$ 0 |
| Other Pooled Investment Vehicles | 14 | \$ 11,691.3(1) | 0 | \$ 0 |
| Other Accounts | 10 | \$ 60.1 | 0 | \$ 0 |

(1) Certain of these Other Pooled Investment Vehicles invest a substantial portion of their assets either in a registered investment company or in a separate pooled investment vehicle managed by this portfolio manager or another Eaton Vance portfolio manager.

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

| Portfolio Manager | Dollar Range of Equity Securities Beneficially Owned in the Fund |
|--------------------|--|
| Michael A. Allison | \$ 10,001 - \$50,000 |

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 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 the portfolio manager in the allocation of management time, resources and investment opportunities. Whenever conflicts of interest arise, the portfolio manager will endeavor to exercise his discretion in a manner that he 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 that govern the investment adviser's trading practices, including among other things the aggregation and allocation of trades among clients, brokerage allocations, 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 Eaton Vance Corp. (EVC's) nonvoting common stock and 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 (Sharpe ratio uses standard deviation and excess return to determine reward per unit of risk). 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. A portion of the compensation payable to equity portfolio managers and investment professionals will be determined based on the ability of one or more accounts managed by such manager to achieve a specified target average annual gross return over a three year period in excess of the account benchmark. The cash bonus to be payable at the end of the three year term will be established at the inception of the term and will be adjusted positively or negatively to the extent that the average annual gross return varies from the specified target return. 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 generally based on a substantially fixed percentage of pre-bonus adjusted 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.

(c) Registrant's notices to shareholders pursuant to Registrant's exemptive order granting an exemption from Section 19(b) of the 1940 Act and Rule 19b-1 thereunder regarding distributions paid pursuant to the

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 Enhanced Equity Income Fund

By: /s/ Michael A. Allison
Michael A. Allison
President

Date: November 17, 2016

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: November 17, 2016

By: /s/ Michael A. Allison
Michael A. Allison
President

Date: November 17, 2016