

Eaton Vance Enhanced Equity Income Fund
Form N-Q
August 28, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form N-Q

**QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES**

811-21614

Investment Company Act File Number

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, Including Area Code)

September 30

Date of Fiscal Year End

June 30, 2017

Date of Reporting Period

Item 1. Schedule of Investments

Eaton Vance**Enhanced Equity Income Fund****June 30, 2017****PORTFOLIO OF INVESTMENTS (Unaudited)****Common Stocks 99.6%**

| Security | Shares | Value |
|--|---------------|----------------------|
| Air Freight & Logistics 4.0% | | |
| C.H. Robinson Worldwide, Inc. | 142,637 | \$ 9,796,309 |
| FedEx Corp. | 57,228 | 12,437,361 |
| | | \$ 22,233,670 |
| Auto Components 1.6% | | |
| Delphi Automotive PLC | 104,179 | \$ 9,131,289 |
| | | \$ 9,131,289 |
| Banks 6.8% | | |
| JPMorgan Chase & Co. | 211,947 | \$ 19,371,956 |
| PNC Financial Services Group, Inc. (The) | 83,560 | 10,434,137 |
| Wells Fargo & Co. | 146,523 | 8,118,839 |
| | | \$ 37,924,932 |
| Beverages 1.4% | | |
| Constellation Brands, Inc., Class A | 39,414 | \$ 7,635,674 |
| | | \$ 7,635,674 |
| Biotechnology 2.4% | | |
| Celgene Corp. ⁽²⁾ | 103,776 | \$ 13,477,389 |
| | | \$ 13,477,389 |
| Capital Markets 3.3% | | |
| Charles Schwab Corp. (The) | 212,726 | \$ 9,138,709 |
| Goldman Sachs Group, Inc. (The) | 41,993 | 9,318,247 |
| | | \$ 18,456,956 |
| Containers & Packaging 2.6% | | |
| International Paper Co. | 176,100 | \$ 9,969,021 |

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| | | | |
|--|---------|----|-------------------|
| Sealed Air Corp. | 101,416 | | 4,539,380 |
| | | \$ | 14,508,401 |
| Diversified Telecommunication Services 2.8% | | | |
| AT&T, Inc. | 241,004 | \$ | 9,093,081 |
| Zayo Group Holdings, Inc. ⁽²⁾ | 219,041 | | 6,768,367 |
| | | \$ | 15,861,448 |
| Electric Utilities 1.7% | | | |
| NextEra Energy, Inc. | 69,099 | \$ | 9,682,843 |
| | | \$ | 9,682,843 |
| Energy Equipment & Services 0.8% | | | |
| Oceaneering International, Inc. | 184,354 | \$ | 4,210,645 |
| | | \$ | 4,210,645 |
| Equity Real Estate Investment Trusts (REITs) 2.4% | | | |
| Equity Residential | 93,460 | \$ | 6,152,472 |
| Simon Property Group, Inc. | 43,225 | | 6,992,076 |
| | | \$ | 13,144,548 |

| | Shares | Value |
|--|---------|----------------------|
| Security | | |
| Food Products 1.3% | | |
| Mondelez International, Inc., Class A | 164,055 | \$ 7,085,535 |
| | | \$ 7,085,535 |
| Health Care Equipment & Supplies 4.3% | | |
| Danaher Corp. | 151,776 | \$ 12,808,377 |
| Zimmer Biomet Holdings, Inc. | 88,055 | 11,306,262 |
| | | \$ 24,114,639 |
| Household Durables 2.5% | | |
| Newell Brands, Inc. | 145,493 | \$ 7,801,335 |
| Whirlpool Corp. | 32,952 | 6,314,262 |
| | | \$ 14,115,597 |
| Household Products 1.3% | | |
| Colgate-Palmolive Co. | 98,587 | \$ 7,308,254 |
| | | \$ 7,308,254 |
| Industrial Conglomerates 1.0% | | |
| General Electric Co. | 200,098 | \$ 5,404,647 |
| | | \$ 5,404,647 |
| Insurance 3.6% | | |
| American Financial Group, Inc. | 91,769 | \$ 9,119,086 |
| Chubb, Ltd. | 74,422 | 10,819,470 |
| | | \$ 19,938,556 |
| Internet & Direct Marketing Retail 2.9% | | |
| Amazon.com, Inc. ⁽²⁾ | 16,796 | \$ 16,258,528 |
| | | \$ 16,258,528 |
| Internet Software & Services 7.8% | | |
| Akamai Technologies, Inc. ⁽²⁾ | 91,766 | \$ 4,570,864 |
| Alphabet, Inc., Class C ⁽²⁾ | 24,804 | 22,540,139 |
| eBay, Inc. ⁽²⁾ | 187,212 | 6,537,443 |
| GoDaddy, Inc., Class A ⁽²⁾ | 230,806 | 9,790,791 |
| | | \$ 43,439,237 |
| IT Services 2.9% | | |
| Visa, Inc., Class A | 175,905 | \$ 16,496,371 |

\$ 16,496,371

Machinery 4.1%

| | | | |
|-------------------|---------|----|------------|
| Caterpillar, Inc. | 98,145 | \$ | 10,546,662 |
| Fortive Corp. | 199,830 | | 12,659,230 |

\$ 23,205,892

Multi-Utilities 1.7%

| | | | |
|---------------|--------|----|-----------|
| Sempra Energy | 84,896 | \$ | 9,572,024 |
|---------------|--------|----|-----------|

\$ 9,572,024

Oil, Gas & Consumable Fuels 5.2%

| | | | |
|---------------------|---------|----|------------|
| Chevron Corp. | 103,514 | \$ | 10,799,616 |
| ConocoPhillips | 150,542 | | 6,617,826 |
| EOG Resources, Inc. | 74,422 | | 6,736,679 |
| Phillips 66 | 58,064 | | 4,801,312 |

\$ 28,955,433

| Security | Shares | Value |
|--|---------|----------------------|
| Personal Products 3.1% | | |
| Estee Lauder Cos., Inc. (The), Class A | 105,886 | \$ 10,162,938 |
| Unilever NV | 125,206 | 6,911,591 |
| | | \$ 17,074,529 |
| Pharmaceuticals 7.1% | | |
| Eli Lilly & Co. | 150,986 | \$ 12,426,148 |
| Johnson & Johnson | 149,647 | 19,796,802 |
| Zoetis, Inc. | 118,054 | 7,364,208 |
| | | \$ 39,587,158 |
| Road & Rail 2.1% | | |
| CSX Corp. | 217,339 | \$ 11,858,016 |
| | | \$ 11,858,016 |
| Semiconductors & Semiconductor Equipment 3.0% | | |
| Intel Corp. | 325,202 | \$ 10,972,316 |
| NXP Semiconductors NV ⁽²⁾ | 54,236 | 5,936,130 |
| | | \$ 16,908,446 |
| Software 4.1% | | |
| Microsoft Corp. | 332,838 | \$ 22,942,523 |
| | | \$ 22,942,523 |
| Specialty Retail 2.9% | | |
| Home Depot, Inc. (The) | 106,524 | \$ 16,340,782 |
| | | \$ 16,340,782 |
| Technology Hardware, Storage & Peripherals 4.3% | | |
| Apple, Inc. | 168,496 | \$ 24,266,794 |
| | | \$ 24,266,794 |
| Textiles, Apparel & Luxury Goods 2.1% | | |
| Lululemon Athletica, Inc. ⁽²⁾ | 51,210 | \$ 3,055,701 |
| NIKE, Inc., Class B | 147,249 | 8,687,691 |
| | | \$ 11,743,392 |
| Tobacco 2.5% | | |

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| | | | |
|--------------------|---------|----|------------|
| Altria Group, Inc. | 187,214 | \$ | 13,941,827 |
| | | \$ | 13,941,827 |

| | | | |
|---|--|----|-------------|
| Total Common Stocks (identified cost \$429,556,749) | | \$ | 556,825,975 |
|---|--|----|-------------|

Short-Term Investments 0.8%

| Description | Units | | Value |
|--|-----------|----|-----------|
| Eaton Vance Cash Reserves Fund, LLC, 1.20% ⁽³⁾ | 4,384,069 | \$ | 4,384,946 |

| | | | |
|--|--|----|-----------|
| Total Short-Term Investments (identified cost \$4,384,946) | | \$ | 4,384,946 |
|--|--|----|-----------|

| | | | |
|--|--|----|-------------|
| Total Investments 100.4% (identified cost \$433,941,695) | | \$ | 561,210,921 |
|--|--|----|-------------|

Covered Call Options Written (0.4)%**Exchange-Traded Options (0.4)%**

| Security | Number of Contracts | Strike Price | Expiration Date | Value |
|---|--------------------------------|-------------------------|----------------------------|--------------|
| Akamai Technologies, Inc. | 315 | \$ 50.00 | 7/21/17 | \$ (33,862) |
| Alphabet, Inc., Class C | 120 | 975.00 | 8/4/17 | (114,000) |
| Altria Group, Inc. | 940 | 79.50 | 7/21/17 | (3,290) |
| Amazon.com, Inc. | 80 | 1,050.00 | 7/21/17 | (8,960) |
| American Financial Group, Inc. | 460 | 100.00 | 7/21/17 | (36,800) |
| Apple, Inc. | 845 | 160.00 | 7/21/17 | (6,760) |
| AT&T, Inc. | 1,210 | 40.00 | 7/7/17 | (605) |
| C.H. Robinson Worldwide, Inc. | 715 | 72.50 | 7/21/17 | (39,325) |
| Caterpillar, Inc. | 490 | 110.00 | 7/7/17 | (10,290) |
| Celgene Corp. | 515 | 140.00 | 8/18/17 | (65,920) |
| Charles Schwab Corp. (The) | 1,070 | 44.00 | 7/21/17 | (64,200) |
| Chevron Corp. | 515 | 109.00 | 7/28/17 | (20,857) |
| Chubb, Ltd. | 375 | 150.00 | 8/18/17 | (31,875) |
| ConocoPhillips | 755 | 46.00 | 7/21/17 | (20,385) |
| Constellation Brands, Inc., Class A | 195 | 200.00 | 8/18/17 | (58,988) |
| CSX Corp. | 1,095 | 57.50 | 7/21/17 | (55,298) |
| Danaher Corp. | 735 | 85.00 | 7/21/17 | (77,175) |
| Delphi Automotive PLC | 525 | 95.00 | 7/21/17 | (6,562) |
| eBay, Inc. | 935 | 37.00 | 8/4/17 | (44,880) |
| Eli Lilly & Co. | 750 | 87.50 | 8/18/17 | (27,375) |
| EOG Resources, Inc. | 375 | 92.00 | 7/28/17 | (58,125) |
| Equity Residential | 470 | 70.00 | 7/21/17 | (1,175) |
| Estee Lauder Cos., Inc. (The), Class A | 525 | 97.50 | 7/21/17 | (38,063) |
| FedEx Corp. | 285 | 222.50 | 7/28/17 | (63,698) |
| Fortive Corp. | 1,005 | 65.00 | 7/21/17 | (52,763) |
| General Electric Co. | 1,005 | 29.00 | 7/21/17 | (3,517) |
| GoDaddy, Inc., Class A | 1,075 | 45.00 | 7/21/17 | (18,812) |
| Goldman Sachs Group, Inc. (The) | 205 | 235.00 | 8/4/17 | (34,953) |
| Home Depot, Inc. (The) | 530 | 155.00 | 7/28/17 | (93,545) |
| Intel Corp. | 1,625 | 35.50 | 7/28/17 | (38,188) |
| International Paper Co. | 885 | 56.00 | 7/14/17 | (101,775) |
| Johnson & Johnson | 750 | 135.00 | 7/21/17 | (64,125) |
| JPMorgan Chase & Co. | 1,055 | 95.00 | 8/18/17 | (80,180) |
| Lululemon Athletica, Inc. | 255 | 62.50 | 8/18/17 | (38,250) |
| Microsoft Corp. | 1,675 | 72.50 | 7/7/17 | (1,675) |
| Mondelez International, Inc., Class A | 820 | 47.00 | 8/4/17 | (27,060) |
| Newell Brands, Inc. | 730 | 57.50 | 9/15/17 | (51,100) |
| NextEra Energy, Inc. | 345 | 145.00 | 8/18/17 | (31,912) |
| NIKE, Inc., Class B | 740 | 60.00 | 8/18/17 | (93,980) |
| Oceaneering International, Inc. | 770 | 30.00 | 7/21/17 | (1,925) |
| Phillips 66 | 290 | 83.50 | 7/21/17 | (25,375) |
| PNC Financial Services Group, Inc. (The) | 420 | 130.00 | 8/18/17 | (60,690) |

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| | | | | |
|----------------------------|-----|--------|---------|----------|
| Sealed Air Corp. | 510 | 47.00 | 7/21/17 | (5,100) |
| Sempra Energy | 420 | 115.00 | 7/21/17 | (15,750) |
| Simon Property Group, Inc. | 215 | 165.00 | 7/21/17 | (31,390) |
| Visa, Inc., Class A | 885 | 100.00 | 7/21/17 | (11,505) |

| Security | Number of Contracts | Strike Price | Expiration Date | Value |
|------------------------------|---------------------|--------------|-----------------|-------------|
| Wells Fargo & Co. | 735 | \$ 56.00 | 7/28/17 | \$ (67,620) |
| Whirlpool Corp. | 165 | 195.00 | 7/7/17 | (9,817) |
| Zayo Group Holdings, Inc. | 1,100 | 35.00 | 9/15/17 | (41,250) |
| Zimmer Biomet Holdings, Inc. | 440 | 130.00 | 7/21/17 | (70,400) |
| Zoetis, Inc. | 590 | 62.50 | 7/21/17 | (45,725) |

Total Covered Call Options Written
(premiums received \$2,919,707) **\$ (2,006,850)**

Other Assets, Less Liabilities (0.0)%⁽⁴⁾ **\$ (154,301)**

Net Assets 100.0% **\$ 559,049,770**

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 June 30, 2017 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 June 30, 2017. Net income from the investment in Eaton Vance Cash Reserves Fund, LLC for the fiscal year to date ended June 30, 2017 was \$50,620.
- (4) Amount is less than (0.05)%.

Written options activity for the fiscal year to date ended June 30, 2017 was as follows:

| | Number of Contracts | Premiums Received |
|---|---------------------|---------------------|
| Outstanding, beginning of period | 30,711 | \$ 2,334,250 |
| Options written | 276,855 | 20,806,360 |
| Options terminated in closing purchase transactions | (132,061) | (10,187,131) |
| Options expired | (141,970) | (10,033,772) |
| Outstanding, end of period | 33,535 | \$ 2,919,707 |

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At June 30, 2017, the Fund had sufficient cash and/or securities to cover commitments under open derivative contracts.

The Fund is subject to equity price risk in the normal course of pursuing its investment objectives. 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.

At June 30, 2017, the aggregate fair value of open derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) in a liability position and whose primary underlying risk exposure is equity price risk was \$2,006,850.

The cost and unrealized appreciation (depreciation) of investments of the Fund at June 30, 2017, as determined on a federal income tax basis, were as follows:

| | |
|------------------------------------|-----------------------|
| Aggregate cost | \$ 435,243,483 |
| Gross unrealized appreciation | \$ 128,956,346 |
| Gross unrealized depreciation | (2,988,908) |
| Net unrealized appreciation | \$ 125,967,438 |

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 June 30, 2017, 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 | | | | |
| Consumer Discretionary | \$ 67,589,588 | \$ | \$ | \$ 67,589,588 |
| Consumer Staples | 46,134,228 | 6,911,591 | | 53,045,819 |
| Energy | 33,166,078 | | | 33,166,078 |
| Financials | 76,320,444 | | | 76,320,444 |
| Health Care | 77,179,186 | | | 77,179,186 |
| Industrials | 62,702,225 | | | 62,702,225 |
| Information Technology | 124,053,371 | | | 124,053,371 |
| Materials | 14,508,401 | | | 14,508,401 |
| Real Estate | 13,144,548 | | | 13,144,548 |
| Telecommunication Services | 15,861,448 | | | 15,861,448 |
| Utilities | 19,254,867 | | | 19,254,867 |
| Total Common Stocks | \$ 549,914,384 | \$ 6,911,591* | \$ | \$ 556,825,975 |
| Short-Term Investments | \$ | \$ 4,384,946 | \$ | \$ 4,384,946 |
| Total Investments | \$ 549,914,384 | \$ 11,296,537 | \$ | \$ 561,210,921 |
| Liability Description | | | | |
| Covered Call Options Written | \$ (2,006,850) | \$ | \$ | \$ (2,006,850) |
| Total | \$ (2,006,850) | \$ | \$ | \$ (2,006,850) |

* Includes foreign equity securities whose values were adjusted to reflect market trading of comparable securities or other correlated instruments that occurred after the close of trading in their applicable foreign markets.

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The Fund held no investments or other financial instruments as of September 30, 2016 whose fair value was determined using Level 3 inputs. At June 30, 2017, there were no investments transferred between Level 1 and Level 2 during the fiscal year to date then ended.

For information on the Fund's policy regarding the valuation of investments and other significant accounting policies, please refer to the Fund's most recent financial statements included in its semiannual or annual report to shareholders.

Item 2. 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 on this Form N-Q 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 on this Form N-Q 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 fiscal quarter for which the report is being filed that have materially affected, or are reasonably likely to materially affect the registrant's internal control over financial reporting.

Item 3. Exhibits

A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act is attached hereto.

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/ Edward J. Perkin
Edward J. Perkin
President

Date: August 24, 2017

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/ Edward J. Perkin
Edward J. Perkin
President

Date: August 24, 2017

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

Date: August 24, 2017