EATON VANCE OHIO MUNICIPAL INCOME TRUST Form N-CSR January 26, 2015

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: 811-09149

Eaton Vance Ohio Municipal Income Trust

(Exact Name of Registrant as Specified in Charter)

Two International Place, Boston, Massachusetts 02110

(Address of Principal Executive Offices)

Maureen A. Gemma

Two International Place, Boston, Massachusetts 02110

(Name and Address of Agent for Services)

(617) 482-8260

(Registrant s Telephone Number)

November 30

Date of Fiscal Year End

November 30, 2014

Date of Reporting Period

Item 1. Reports to Stockholders

Municipal Income Trusts

Annual Report

November 30, 2014

California (CEV) Massachusetts (MMV) Michigan (EMI) New Jersey (EVJ)

New York (EVY) Ohio (EVO) Pennsylvania (EVP)

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. Each Fund has claimed an exclusion from the definition of the term—commodity pool operator—under the Commodity Exchange Act. Accordingly, neither the Funds nor the adviser with respect to the operation of the Funds is subject to CFTC regulation. Because of its management of other strategies, each Fund—s adviser is registered with the CFTC as a commodity pool operator and a commodity trading advisor.

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

Annual Report November 30, 2014

Eaton Vance

Municipal Income Trusts

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Municipal Income Trusts

November 30, 2014

Management s Discussion of Fund Performance

Economic and Market Conditions

As the fiscal year began on December 1, 2013, the municipal market was at the tail end of a selloff that had started the previous May, after then-U.S. Federal Reserve (the Fed) Chairman Ben Bernanke surprised the markets by indicating that the Fed s \$85 billion in monthly asset purchases could be tapered sooner than most investors had expected. Although selling of municipals abated somewhat in September of last year, the municipal market continued to experience outflows through December 2013.

But as 2014 began, municipals turned a corner. From January 1 through November 30, 2014, municipals rallied back from 2013 lows, as investors moved money back into the municipal market. Contrary to what many investors had expected, Treasury rates declined with municipal rates following. As the U.S. economy continued to experience moderate but below trend growth and low inflation, fixed-income investors became increasingly concerned about the much weaker growth rates of European and other international economies. As a result, global interest rates fell, creating strong demand for U.S Treasurys and putting downward pressure on U.S. interest rates, despite the end of the Fed s asset purchase program in October 2014.

As investors searched for yield in a low-interest-rate environment, longer dated and lower credit quality bonds were the best performers. During the last two months of the period, municipal bonds, which had outperformed Treasurys since the beginning of 2014, underperformed Treasurys but still delivered positive returns, as measured by the Barclays Municipal Bond Index², a measure of the overall U.S. municipal bond market. For the one-year period as a whole, the municipal yield curve flattened, as long-term municipal rates declined while short-term rates were essentially flat.

Fund Performance

For the fiscal year ended November 30, 2014, all of the Funds shares at net asset value (NAV) outperformed the 13.49% return of the Barclays Long (22+) Year Municipal Bond Index (the Index).

The Funds overall strategy is to invest primarily in bonds with maturities of 10 years or more in order to capture their typically higher yields and a greater income stream compared with shorter-maturity issues. Management hedges to various

degrees against the greater potential risk of volatility at the long end of the yield curve by using Treasury futures in seeking to provide downside protection.

In managing the Funds, management employs leverage through Residual Interest Bond (RIB) financing and Auction Preferred Shares (APS)⁶ to seek to enhance the Funds tax-exempt income. The use of leverage has the effect of achieving additional exposure to the municipal market, and thus magnifying a Fund s exposure to its underlying investments in both up and down market environments. During this period of falling rates and strong performance by municipal bonds, the use of leverage was one of the largest contributors to performance versus the Index which does not employ leverage for all seven Funds.

By using Treasury futures, management hedges to various degrees against the greater potential risk of volatility caused by the use of leverage and investing in bonds at the long end of the yield curve. As a risk management tactic within the Funds—overall strategy, interest rate hedging is intended to moderate performance on both the upside and the downside of the market. During this period of strong performance by municipal bonds, the Funds—Treasury futures hedge reduced some of the upside return and thus detracted from performance relative to the unhedged Index for all Funds. However, the Michigan and Ohio Funds employed only minimal hedging during the period, and thus the negative effect of

hedging on their performance was relatively minor.

State-specific Results

Eaton Vance California Municipal Income Trust shares at NAV returned 19.06%, outperforming the 13.49% return of the Index. As noted earlier, leverage was a significant contributor to Fund performance versus the Index. An overweight in local general obligation (GO) bonds those issued by cities and towns—and security selection in the transportation sector helped performance relative to the Index as well. Detractors from results versus the Index included the Fund—s hedging strategy, security selection and an underweight in the hospitals and health care sector, and an underweight and security selection in industrial development revenue (IDR) bonds.

Eaton Vance Massachusetts Municipal Income Trust shares at NAV returned 16.30%, outperforming the 13.49% return of the Index. Contributors to performance versus the Index included leverage, an overweight and security selection

See Endnotes and Additional Disclosures in this report.

Municipal Income Trusts

November 30, 2014

Management s Discussion of Fund Performance continued

in the education sector, and security selection in bonds with 20-30 years remaining to maturity. The Fund shedging strategy detracted from results relative to the Index, as did security selection in zero coupon bonds and an underweight and security selection in the transportation sector.

Eaton Vance Michigan Municipal Income Trust shares at NAV returned 20.18%, outperforming the 13.49% return of the Index. Leverage, security selection in water and sewer bonds, and security selection in electric power bonds all helped performance relative to the Index during the period. In contrast, security selection in the hospitals and health care sector, security selection in zero coupon bonds, and an underweight and security selection in the transportation sector detracted from results versus the Index.

Eaton Vance New Jersey Municipal Income Trust shares at NAV returned 15.20%, outperforming the 13.49% return of the Index. The Fund s relative outperformance versus the Index was driven by leverage, an overweight in zero coupon bonds, and an overweight in IDR bonds. Primary detractors from the Fund s performance relative to the Index included the Fund s hedging strategy, security selection in the hospitals and health care sector, and an underweight and security selection in the transportation sector.

Eaton Vance New York Municipal Income Trust shares at NAV returned 17.25%, outperforming the 13.49% return of the Index. Leverage aided performance relative to the Index, as did an overweight and security selection in IDR bonds and an overweight in zero coupon bonds. Detractors from performance versus the Index included the Fund s hedging strategy, an underweight in bonds with 30 or more years remaining to maturity, and an underweight and security selection in the transportation sector.

Eaton Vance Ohio Municipal Income Trust shares at NAV returned 18.49%, outperforming the 13.49% return of the Index. Contributors to results versus the Index included leverage, an overweight and security selection in the education sector, and an overweight in zero coupon bonds. Performance versus the Index was hurt by security selection in AAA-rated⁷ bonds and GO bonds, as well as an underweight and security selection in the transportation sector.

Eaton Vance Pennsylvania Municipal Income Trust shares at NAV returned 16.07%, outperforming the 13.49% return

of the Index. Leverage, security selection in Puerto Rico bonds, and an overweight and security selection in non-rated bonds all contributed to the Fund s performance versus the Index. Detractors from performance relative to the Index included the Fund s hedging strategy, security selection in AAA-rated bonds, and an underweight in BBB-rated bonds.

See Endnotes and Additional Disclosures in this report.

of the most recent month-end, please refer to eatonvance.com.

California Municipal Income Trust

November 30, 2014

Performance^{2,3}

Portfolio Manager Craig R. Brandon, CFA

% Average Annual Total Returns

74 7 8				
Fund at NAV	01/29/1999	19.06%	9.69%	5.62%
Fund at Market Price		21.86	7.69	4.45
Barclays Long (22+) Year Municipal Bond Index		13.49%	7.05%	5.50%
% Premium/Discount to NAV ⁴				
				10.01%
Distributions ⁵				
Total Distributions per share for the period				\$ 0.757
Distribution Rate at NAV				5.23%
Taxable-Equivalent Distribution Rate at NAV				10.66%
Distribution Rate at Market Price				5.81%
Taxable-Equivalent Distribution Rate at Market Price				11.84%
% Total Leverage ⁶				
Auction Preferred Shares (APS)				30.03%
Residual Interest Bond (RIB) Financing				8.60
Fund Profile				

Inception Date

One Year

Five Years

Ten Years

Credit Quality (% of total investments)^{7,8}

See Endnotes and Additional Disclosures in this report.

Massachusetts Municipal Income Trust

November 30, 2014

Performance^{2,3}

Portfolio Manager Craig R. Brandon, CFA

% Average Annual Total Returns	Inception Date	One Year	Five Years	Tei	n Years
Fund at NAV	01/29/1999	16.30%	8.39%		5.82%
Fund at Market Price		17.27	6.15		3.35
Barclays Long (22+) Year Municipal Bond Index		13.49%	7.05%		5.50%
% Premium/Discount to NAV ⁴					
					12.09%
Distributions ⁵					
Total Distributions per share for the period				\$	0.703
Distribution Rate at NAV					4.53%
Taxable-Equivalent Distribution Rate at NAV					8.44%
Distribution Rate at Market Price					5.15%
Taxable-Equivalent Distribution Rate at Market Price					9.60%
% Total Leverage ⁶					
APS					30.86%
RIB Financing					5.21
Fund Profile					

Credit Quality (% of total investments)^{7,8}

See Endnotes and Additional Disclosures in this report.

Michigan Municipal Income Trust

November 30, 2014

Performance^{2,3}

Portfolio Manager Thomas M. Metzold, CFA

% Average Annual Total Returns	Inception Date	One Year	Five Years	Ten Years
Fund at NAV	01/29/1999	20.18%	9.13%	5.96%
Fund at Market Price		20.91	8.29	3.19
Barclays Long (22+) Year Municipal Bond Index		13.49%	7.05%	5.50%
% Premium/Discount to NAV ⁴				
				14.28%

Distributions ⁵	
Total Distributions per share for the period	\$ 0.709
Distribution Rate at NAV	4.84%
Taxable-Equivalent Distribution Rate at NAV	8.93%
Distribution Rate at Market Price	5.65%
Taxable-Equivalent Distribution Rate at Market Price	10.43%

% Total Leverage ⁶	
APS	36.46%

Fund Profile

Credit Quality (% of total investments)⁷

See Endnotes and Additional Disclosures in this report.

New Jersey Municipal Income Trust

November 30, 2014

Performance^{2,3}

Portfolio Manager Adam Weigold, CFA

% Average Annual Total Returns	Inception Date	One Year	Five Years	Ten Years
Fund at NAV	01/29/1999	15.20%	7.31%	5.62%
Fund at Market Price		14.17	3.77	3.71
Barclays Long (22+) Year Municipal Bond Index		13.49%	7.05%	5.50%
% Premium/Discount to NAV ⁴				
				12.52%
Distributions ⁵				
Total Distributions per share for the period				\$ 0.743
Distribution Rate at NAV				5.18%
Taxable-Equivalent Distribution Rate at NAV				10.05%
Distribution Rate at Market Price				5.92%
Taxable-Equivalent Distribution Rate at Market Price				11.49%
•				
% Total Leverage ⁶				
APS				32.55%
RIB Financing				3.54
Fund Profile				3.34
Tuliu Home				

Credit Quality (% of total investments)^{7,8}

See Endnotes and Additional Disclosures in this report.

New York Municipal Income Trust

November 30, 2014

Performance^{2,3}

Portfolio Manager Craig R. Brandon, CFA

% Average Annual Total Returns	Inception Date	One Year	Five Years	Ten Years	
Fund at NAV	01/29/1999	17.25%	9.43%	5.80%	,
Fund at Market Price		20.92	7.65	5.24	
Barclays Long (22+) Year Municipal Bond Index		13.49%	7.05%	5.50%	,
% Premium/Discount to NAV ⁴					
				5.899	%
Distributions ⁵					
Total Distributions per share for the period				\$ 0.862	
Distribution Rate at NAV				5.62%	,
Taxable-Equivalent Distribution Rate at NAV				10.89%	,
Distribution Rate at Market Price				5.97%	1
Taxable-Equivalent Distribution Rate at Market Price				11.57%	,
% Total Leverage ⁶					
APS				25.38%	1
RIB Financing				14.53	
Fund Profile					

Credit Quality (% of total investments)^{7,8}

See Endnotes and Additional Disclosures in this report.

Ohio Municipal Income Trust

November 30, 2014

Performance^{2,3}

Portfolio Manager Thomas M. Metzold, CFA

% Average Annual Total Returns	Inception Date	One Year	Five Years	Ten Years
Fund at NAV	01/29/1999	18.49%	8.58%	5.97%
Fund at Market Price		21.55	6.44	3.73
Barclays Long (22+) Year Municipal Bond Index		13.49%	7.05%	5.50%
% Premium/Discount to NAV ⁴				
				10.10%
Distributions ⁵				
Total Distributions per share for the period				\$ 0.731
Distribution Rate at NAV				4.83%
Taxable-Equivalent Distribution Rate at NAV				9.01%
Distribution Rate at Market Price				5.37%
Taxable-Equivalent Distribution Rate at Market Price				10.02%
% Total Leverage ⁶				
APS				33.68%
RIB Financing				2.16
Fund Profile				

Credit Quality (% of total investments)⁷

See Endnotes and Additional Disclosures in this report.

Pennsylvania Municipal Income Trust

November 30, 2014

Performance^{2,3}

Portfolio Manager Adam Weigold, CFA

% Average Annual Total Returns	Inception Date	One Year	Five Years	Ter	Years
Fund at NAV	01/29/1999	16.07%	7.35%		5.47%
Fund at Market Price		17.26	4.84		3.52
Barclays Long (22+) Year Municipal Bond Index		13.49%	7.05%		5.50%
% Premium/Discount to NAV ⁴					
					13.37%
Distributions ⁵					
Total Distributions per share for the period				\$	0.764
Distribution Rate at NAV					5.23%
Taxable-Equivalent Distribution Rate at NAV					9.53%
Distribution Rate at Market Price					6.03%
Taxable-Equivalent Distribution Rate at Market Price					10.99%
% Total Leverage ⁶					
APS					35.61%
RIB Financing					1.26
Fund Profile					

Credit Quality (% of total investments)^{7,8}

See Endnotes and Additional Disclosures in this report.

Municipal Income Trusts

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Endnotes and Additional Disclosures

- The views expressed in this report are those of the portfolio manager(s) and are current only through the date stated at the top of this page. These views are subject to change at any time based upon market or other conditions, and Eaton Vance and the Fund(s) disclaim any responsibility to update such views. These views may not be relied upon as investment advice and, because investment decisions are based on many factors, may not be relied upon as an indication of trading intent on behalf of any Eaton Vance fund. This commentary may contain statements that are not historical facts, referred to as forward looking statements. The Fund s actual future results may differ significantly from those stated in any forward looking statement, depending on factors such as changes in securities or financial markets or general economic conditions, the volume of sales and purchases of Fund shares, the continuation of investment advisory, administrative and service contracts, and other risks discussed from time to time in the Fund s filings with the Securities and Exchange Commission.
- ² Barclays Municipal Bond Index is an unmanaged index of municipal bonds traded in the U.S. Barclays Long (22+) Year Municipal Bond Index is an unmanaged index of municipal bonds traded in the U.S. with maturities of 22 years or more. Unless otherwise stated, index returns do not reflect the effect of any applicable sales charges, commissions, expenses, taxes or leverage, as applicable. It is not possible to invest directly in an index.
- ³ Performance results reflect the effects of leverage. Performance since inception for an index, if presented, is the performance since the Fund s or oldest share class inception, as applicable.
- ⁴ The shares of the Fund often trade at a discount or premium from their net asset value. The discount or premium of the Fund may vary over time and may be higher or lower than what is quoted in this report. For up-to-date premium/discount information, please refer to http://eatonvance.com/closedend.
- ⁵ The Distribution Rate is based on the Fund s last regular distribution per share in the period (annualized) divided by the Fund s NAV or market price at the end of the period. The Fund s distributions may be comprised of amounts characterized for federal income tax purposes as tax-exempt income, qualified and non-qualified ordinary dividends, capital gains and nondividend distributions, also known as return of capital. 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 www.eatonvance.com. The Fund s distributions are determined by the investment adviser based on its current assessment of the Fund s long-term return potential. As portfolio and market conditions change, the rate of distributions paid by the Fund could change. Taxable-equivalent performance is based on the highest combined federal and state income tax rates, where applicable. Lower tax rates would result in lower tax-equivalent performance. Actual tax rates will vary depending on your income, exemptions and deductions. Rates do not include local taxes.
- ⁶ Fund employs RIB financing and/or APS leverage. The leverage created by RIB investments and APS provides an opportunity for increased income but, at the same time, creates special risks (including the likelihood of greater price volatility). The cost of leverage rises and falls with changes in short-term interest rates. See Floating Rate Notes Issued in Conjunction with Securities Held in the notes to the financial statements for more information about RIB financing. RIB leverage represents the amount of Floating Rate Notes outstanding at period end as a percentage of Fund net assets applicable to common shares plus APS and Floating Rate Notes. APS leverage represents the liquidation value of the Fund s APS outstanding at period end as a percentage of Fund net assets applicable to common shares plus APS and Floating Rate Notes. The Fund may be required to maintain prescribed asset coverage for its leverage and may be required to reduce its leverage at an inopportune time. Floating Rate Notes in both calculations reflect the effect of RIBs purchased in secondary market transactions, if applicable.
- ⁷ Ratings are based on Moody s, S&P or Fitch, as applicable. If securities are rated differently by the ratings agencies, the higher rating is applied. Ratings, which are subject to change, apply to the creditworthiness of the issuers of the underlying securities and not to the Fund or its shares. Credit ratings measure the quality of a bond based on the issuer s creditworthiness, with ratings ranging from AAA, being the highest, to D, being the lowest

based on S&P s measures. Ratings of BBB or higher by S&P or Fitch (Baa or higher by Moody s) are considered to be investment-grade quality. Credit ratings are based largely on the ratings agency s analysis at the time of rating. The rating assigned to any particular security is not necessarily a reflection of the issuer s current financial condition and does not necessarily reflect its assessment of the volatility of a security s market value or of the liquidity of an investment in the security. Holdings designated as Not Rated are not rated by the national ratings agencies stated above.

8 The chart includes the municipal bonds held by a trust that issues residual interest bonds, consistent with the Portfolio of Investments. Fund profile subject to change due to active management.

California Municipal Income Trust

November 30, 2014

Portfolio of Investments

Tax-Exempt Investments 160.4%

Security		Principal Amount s omitted)	Value
Education 17.9% California Educational Facilities Authority, (Claremont McKenna College), 5.00%, 1/1/39 California Educational Facilities Authority, (Harvey Mudd College), 5.25%, 12/1/31 California Educational Facilities Authority, (Harvey Mudd College), 5.25%, 12/1/36 California Educational Facilities Authority, (Loyola Marymount University), 5.00%, 10/1/30 California Educational Facilities Authority, (Lutheran University), 5.00%, 10/1/29 California Educational Facilities Authority, (Santa Clara University), 5.00%, 9/1/23 California Educational Facilities Authority, (University of San Francisco), 6.125%, 10/1/36 California Educational Facilities Authority, (University of Southern California), 5.25%, 10/1/39 California Educational Facilities Authority, (University of the Pacific), 5.00%, 11/1/30 California Municipal Finance Authority, (University of San Diego), 5.00%, 10/1/35 California Municipal Finance Authority, (University of San Diego), 5.25%, 10/1/26 California Municipal Finance Authority, (University of San Diego), 5.25%, 10/1/27 California Municipal Finance Authority, (University of San Diego), 5.25%, 10/1/28 University of California, 5.25%, 5/15/39	\$	3,135 195 330 745 2,440 1,600 235 2,490 630 415 285 810 850 895 1,250	\$ 3,479,850 225,143 376,504 838,281 2,443,660 1,906,448 286,357 2,801,001 705,109 468,357 317,749 951,620 993,947 1,041,682 1,419,837
			\$ 18,255,545
Electric Utilities 14.2% Chula Vista, (San Diego Gas and Electric), 5.875%, 2/15/34 Chula Vista, (San Diego Gas and Electric), (AMT), 5.00%, 12/1/27 Colton Public Financing Authority, Electric System Revenue, 5.00%, 4/1/27 Los Angeles Department of Water and Power, Electric System Revenue, 5.25%, 7/1/32 Northern California Power Agency, 5.25%, 8/1/24 Sacramento Municipal Utility District, 5.00%, 8/15/27 Sacramento Municipal Utility District, 5.00%, 8/15/28 Southern California Public Power Authority, (Tieton Hydropower), 5.00%, 7/1/35 Security	\$ (000	270 2,275 1,500 2,170 1,500 1,335 1,795 680 Principal Amount s omitted)	\$ 320,598 2,424,786 1,722,405 2,444,982 1,707,345 1,548,333 2,073,261 772,759 Value
Electric Utilities (continued) Vernon Electric System Revenue, 5.125%, 8/1/21	\$	1,300	\$ 1,460,732

27

\$ 14,475,201

Escrowed	/ Prerefunded	3.6%

California Department of Water Resources, Prerefunded to 6/1/18, 5.00%, 12/1/29 California Health Facilities Financing Authority, (Catholic Healthcare West), Prerefunded to 7/1/15, 5.625%, 7/1/32 California Health Facilities Financing Authority, (Providence Health System), Prerefunded to 10/1/18, 6.50%, 10/1/38	\$ 715 1,000 1,475	\$ 820,648 1,032,400 1,794,913
		\$ 3,647,961
General Obligations 28.0% California, 5.00%, 10/1/31 California, 5.50%, 11/1/35 California, 6.00%, 4/1/38 California, (AMT), 5.05%, 12/1/36	\$ 1,885 1,600 750 475	\$ 2,224,394 1,890,320 899,197 481,622