

EATON VANCE MASSACHUSETTS MUNICIPAL INCOME TRUST
Form N-CSRS
July 27, 2011

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: 811-09147
Eaton Vance Massachusetts 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
May 31, 2011

Date of Reporting Period

Item 1. Reports to Stockholders

Eaton Vance
Municipal Income Trusts

Semiannual Report
May 31, 2011

California (CEV) Massachusetts (MMV) Michigan (EMI) New Jersey (EVJ)
New York (EVY) Ohio (EVO) Pennsylvania (EVP)

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.

Semiannual Report May 31, 2011

Eaton Vance

Municipal Income Trusts

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Eaton Vance
 California Municipal Income Trust
 May 31, 2011
Portfolio Manager Cynthia J. Clemson
 Performance¹

NYSE Amex Symbol
Inception Date 1/29/99 **CEV**

% Average Annual Total Returns at net asset value (NAV)

Six Months	0.23
One Year	-0.84
Five Years	0.80
Ten Years	5.03

% Average Annual Total Returns at market price, NYSE Amex

Six Months	-0.30
One Year	-0.81
Five Years	1.48
Ten Years	6.26

% **Premium/Discount to NAV (5/31/11)** -0.44

% **Market Yields²**

Market Yield	7.45
Taxable-Equivalent Market Yield	12.81

% **Total Leverage³**

Auction Preferred Shares (APS)	32.1
Residual Interest Bond (RIB)	12.5

Comparative Performance⁴ **% Return**

Barclays Capital Long (22+) Municipal Bond Index

Six Months	1.43
One Year	1.49

Five Years	3.51
Ten Years	5.15

Lipper California Muni. Debt Funds Average at NAV*

Six Months	1.04
One Year	1.17
Five Years	2.55
Ten Years	5.06

* Source: Lipper.

Fund Profile

Credit Quality⁵ (% of total investments)

The above chart includes the ratings of securities held by special purpose vehicles established in connection with the RIB financing.³ Absent such securities the Fund's credit quality (% of total investments) is as follows:

AAA	11.2	BBB	7.2
AA	42.6	BB	1.3
A	30.1	Not Rated	7.6

See Endnotes and Additional Disclosures on page 9.

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

Eaton Vance
 Massachusetts Municipal Income Trust
 May 31, 2011
Portfolio Manager Craig R. Brandon, CFA
 Performance¹

NYSE Amex Symbol
Inception Date 1/29/99 **MMV**

% Average Annual Total Returns at NAV

Six Months	0.32
One Year	-0.37
Five Years	2.93
Ten Years	6.14

% Average Annual Total Returns at market price, NYSE Amex

Six Months	-1.64
One Year	-3.92
Five Years	2.64
Ten Years	7.06

% **Premium/Discount to NAV (5/31/11)** -0.60

% **Market Yields²**

Market Yield	6.83
Taxable-Equivalent Market Yield	11.10

% **Total Leverage³**

APS	32.6
RIB	7.9

Comparative Performance⁴ **% Return**

Barclays Capital Long (22+) Municipal Bond Index

Six Months	1.43
One Year	1.49
Five Years	3.51

Ten Years

5.15

Fund Profile

Credit Quality⁵ (% of total investments)

The above chart includes the ratings of securities held by special purpose vehicles established in connection with the RIB financing.³ Absent such securities the Fund's credit quality (% of total investments) is as follows:

AAA	13.1	BBB	8.7
AA	37.7	BB	1.3
A	35.5	Not Rated	3.7

See Endnotes and Additional Disclosures on page 9.

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Eaton Vance
 Michigan Municipal Income Trust
 May 31, 2011
Portfolio Manager William H. Ahern, Jr., CFA
 Performance¹

NYSE Amex Symbol
Inception Date 1/29/99

EMI

% Average Annual Total Returns at NAV

Six Months	2.91
One Year	1.83
Five Years	3.11
Ten Years	5.53

% Average Annual Total Returns at market price, NYSE Amex

Six Months	3.37
One Year	2.47
Five Years	3.64
Ten Years	6.43

% **Premium/Discount to NAV (5/31/11)** -5.64

% **Market Yields²**

Market Yield	7.13
Taxable-Equivalent Market Yield	11.47

% **Total Leverage³**

APS 39.3

Comparative Performance⁴

% Return

Barclays Capital Long (22+) Municipal Bond Index

Six Months	1.43
One Year	1.49
Five Years	3.51
Ten Years	5.15

Lipper Michigan Muni. Debt Funds Average at NAV*

Six Months	2.53
One Year	3.11
Five Years	4.02
Ten Years	5.42

* Source: Lipper.

Fund Profile

Credit Quality⁵ (% of total investments)

See Endnotes and Additional Disclosures on page 9.

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Eaton Vance
 New Jersey Municipal Income Trust
 May 31, 2011
Portfolio Manager Adam A. Weigold, CFA
 Performance¹

NYSE Amex Symbol
Inception Date 1/29/99 **EVJ**

% Average Annual Total Returns at NAV

Six Months	1.41
One Year	-0.96
Five Years	2.95
Ten Years	5.99

% Average Annual Total Returns at market price, NYSE Amex

Six Months	-0.01
One Year	-3.51
Five Years	3.12
Ten Years	7.65

% Premium/Discount to NAV (5/31/11) 0.54

% Market Yields²

Market Yield	7.29
Taxable-Equivalent Market Yield	12.32

% Total Leverage³

APS	31.8
RIB	10.7

Comparative Performance⁴ **% Return**

Barclays Capital Long (22+) Municipal Bond Index

Six Months	1.43
One Year	1.49
Five Years	3.51

Ten Years 5.15

Lipper New Jersey Muni. Debt Funds Average at NAV*

Six Months	1.48
One Year	1.76
Five Years	3.97
Ten Years	5.48

* Source: Lipper.

Fund Profile

Credit Quality⁵ (% of total investments)

The above chart includes the ratings of securities held by special purpose vehicles established in connection with the RIB bond financing.³ Absent such securities the Fund's credit quality (% of total investments) is as follows:

AAA	14.5	BBB	13.9
AA	35.0	B	1.1
A	34.8	Not Rated	0.7

See Endnotes and Additional Disclosures on page 9.

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Eaton Vance
 New York Municipal Income Trust
 May 31, 2011
Portfolio Manager Craig R. Brandon, CFA
 Performance¹

NYSE Amex Symbol
Inception Date 1/29/99

EVY

% Average Annual Total Returns at NAV

Six Months	2.11
One Year	1.12
Five Years	2.26
Ten Years	5.74

% Average Annual Total Returns at market price, NYSE Amex

Six Months	-0.04
One Year	-1.44
Five Years	2.87
Ten Years	6.94

% **Premium/Discount to NAV (5/31/11)** -0.32

% **Market Yields²**

Market Yield	7.08
Taxable-Equivalent Market Yield	11.97

% **Total Leverage³**

APS	27.1
RIB	16.4

Comparative Performance⁴

% Return

Barclays Capital Long (22+) Municipal Bond Index

Six Months	1.43
One Year	1.49
Five Years	3.51

Ten Years 5.15

Lipper New York Muni. Debt Funds Average at NAV*

Six Months	1.60
One Year	2.20
Five Years	3.34
Ten Years	5.38

* Source: Lipper.

Fund Profile

Credit Quality⁵ (% of total investments)

The above chart includes the ratings of securities held by special purpose vehicles established in connection with the RIB financing.³ Absent such securities the Fund's credit quality (% of total investments) is as follows:

AAA	14.6	BB	1.2
AA	34.3	B	1.5
A	27.8	CC	0.8
BBB	11.7	Not Rated	8.1

See Endnotes and Additional Disclosures on page 9.

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Eaton Vance
 Ohio Municipal Income Trust
 May 31, 2011
Portfolio Manager William H. Ahern, Jr., CFA
 Performance¹

NYSE Amex Symbol		EVO
Inception Date 1/29/99		
% Average Annual Total Returns at NAV		
Six Months		0.90
One Year		-0.60
Five Years		2.57
Ten Years		5.68
% Average Annual Total Returns at market price, NYSE Amex		
Six Months		-0.75
One Year		0.73
Five Years		3.56
Ten Years		6.47
% Premium/Discount to NAV (5/31/11)		0.23
% Market Yields²		
Market Yield		6.93
Taxable-Equivalent Market Yield		11.33
% Total Leverage³		
APS		37.4
RIB		2.4
Comparative Performance⁴		% Return
Barclays Capital Long (22+) Municipal Bond Index		
Six Months		1.43
One Year		1.49
Five Years		3.51

Ten Years

5.15

Fund Profile

Credit Quality⁵ (% of total investments)

See Endnotes and Additional Disclosures on page 9.

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Eaton Vance
 Pennsylvania Municipal Income Trust
 May 31, 2011
Portfolio Manager Adam A. Weigold, CFA
 Performance¹

NYSE Amex Symbol
Inception Date 1/29/99

EVP

% Average Annual Total Returns at NAV

Six Months	2.26
One Year	1.06
Five Years	3.40
Ten Years	5.90

% Average Annual Total Returns at market price, NYSE Amex

Six Months	3.99
One Year	0.91
Five Years	3.82
Ten Years	7.32

% **Premium/Discount to NAV (5/31/11)** -1.37

% **Market Yields²**

Market Yield	6.68
Taxable-Equivalent Market Yield	10.60

% **Total Leverage³**

APS	36.2
RIB	2.8

Comparative Performance⁴

% Return

Barclays Capital Long (22+) Municipal Bond Index

Six Months	1.43
One Year	1.49
Five Years	3.51

Ten Years 5.15

Lipper Pennsylvania Muni. Debt Funds Average at NAV*

Six Months	2.14
One Year	2.64
Five Years	3.88
Ten Years	5.56

* Source: Lipper.

Fund Profile

Credit Quality⁵ (% of total investments)

The above chart includes the ratings of securities held by special purpose vehicles established in connection with the RIB financing.³ Absent such securities the Fund's credit quality (% of total investments) is as follows:

AAA	3.7	BB	1.1
AA	47.3	CCC	1.9
A	35.3	CC	0.6
BBB	4.3	Not Rated	5.8

See Endnotes and Additional Disclosures on page 9.

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Eaton Vance

Municipal Income Trusts

May 31, 2011

Endnotes and Additional Disclosures

1. Performance results reflect the effects of leverage.
2. Market yields are calculated by dividing the last regular distribution per share (annualized) by the market price. Taxable-equivalent performance is based on the highest combined federal and state income tax rates (41.86% for CA, 38.45% for MA, 37.83% for MI, 40.83% for NJ, 40.83% for NY, 38.85% for OH, 37.00% for PA). Lower tax rates would result in lower tax-equivalent performance. Actual tax rate will vary depending on your income, exemptions and deductions. Rates do not include local taxes. The distribution declared on May 31, 2011 reflects a reduction of the monthly distribution for the Michigan, New Jersey and Ohio Funds. Distributions may be comprised of tax-exempt income, ordinary income, net realized capital gains and return of capital.
3. RIB leverage represents the amount of Floating Rate Notes outstanding as a percentage of Fund net assets applicable to common shares plus APS and Floating Rate Notes. See Floating Rate Notes Issued in Conjunction with Securities Held in the Notes to the financial statements for more information about RIB financing. APS leverage represents the liquidation value of the Fund's APS outstanding as a percentage of Fund net assets applicable to common shares plus APS and Floating Rate Notes. Use of leverage creates an opportunity for income, but creates risks including greater price volatility. The cost of leverage rises and falls with changes in short-term interest rates. The Fund is required to maintain prescribed asset coverage for its APS, which could be reduced if Fund asset values decline. Floating Rate Notes in both calculations reflect the effect of RIBs purchased in secondary market transactions, if applicable.
4. The Barclays Capital Long (22+) 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, indices do not reflect any applicable sales charges, commissions, leverage, taxes or other expenses of investing. Lipper Average reflects the average annual total return of funds in the same Lipper classification as the Fund. It is not possible to invest directly in an index or Lipper classification.
5. Ratings are based on Moody, S&P or Fitch, as applicable. Credit ratings are based largely on the rating agency's investment analysis at the time of rating and the rating assigned to any particular security is not necessarily a reflection of the issuer's current financial condition. The rating assigned to a security by a rating agency does not necessarily reflect its assessment of the volatility of a security's market value or of the liquidity of an investment in the security. If securities are rated differently by the rating agencies, the higher rating is shown.

Fund profile subject to change due to active management.

Eaton Vance
California Municipal Income Trust

May 31, 2011

Portfolio of Investments (Unaudited)

Tax-Exempt Investments 177.9%

Security	Principal Amount (000 s omitted)	Value
Education 22.1%		
California Educational Facilities Authority, (Claremont McKenna College), 5.00%, 1/1/39	\$ 3,135	\$ 3,171,366
California Educational Facilities Authority, (Harvey Mudd College), 5.25%, 12/1/31	195	201,441
California Educational Facilities Authority, (Harvey Mudd College), 5.25%, 12/1/36	275	276,213
California Educational Facilities Authority, (Loyola Marymount University), 5.00%, 10/1/30	745	743,577
California Educational Facilities Authority, (Lutheran University), 5.00%, 10/1/29	2,770	2,539,204
California Educational Facilities Authority, (Santa Clara University), 5.00%, 9/1/23	1,600	1,803,632
California Educational Facilities Authority, (Stanford University), 5.125%, 1/1/31 ⁽¹⁾	4,000	4,010,240
California Educational Facilities Authority, (University of San Francisco), 6.125%, 10/1/36	235	247,290
California Educational Facilities Authority, (University of Southern California), 5.25%, 10/1/39	2,490	2,609,346
San Diego County, Certificates of Participation, (University of San Diego), 5.375%, 10/1/41	2,500	2,220,850
University of California, 5.25%, 5/15/39	1,250	1,288,887
		\$ 19,112,046