PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form N-Q March 01, 2013

OMB APPROVAL

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

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-21409

Pioneer Municipal High Income Advantage Trust (Exact name of registrant as specified in charter)

60 State Street, Boston, MA 02109 (Address of principal executive offices) (ZIP code)

Dorothy E. Bourassa, Pioneer Investment Management, Inc., 60 State Street, Boston, MA 02109 (Name and address of agent for service)

Registrant's telephone number, including area code: (617) 742-7825

Date of fiscal year end: March 31

Date of reporting period: January 31, 2013

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after close of the first and third fiscal quarters, pursuant to Rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. ss. 3507.

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ITEM 1. Schedule of Investments.

Pioneer Municipal High

Income Advantage Trust

| December 31, 2012

Ticker Symbols: MAV

Principal Amount USD (\$)	S&P/Moody's Rating	Value
	TAX EXEMPT OBLIGATIONS - 137.9% of Net Assets	
	Alabama - 1.5%	
2,500,000	B-/B2Alabama Industrial Development Authority Solid Waste Disposal	
	Revenue, 6.45%, 12/1/23	\$ 2,495,950
2,500,000	E 1	
	Care Facilities Financing Authority	
	Nursing Home Revenue, 5.5%,	
	1/1/43	2,397,375
		\$ 4,893,325
	Arizona - 3.2%	
5,000,000	NR/NRCasa Grande Industrial	
	Development Authority Hospital	
	Revenue, 7.625%, 12/1/29	\$ 5,193,550
1,487,000	NR/Baa3Pima County Industrial	
	Development Authority, 6.75%,	
	7/1/31	1,493,469
2,640,000	NR/NRPima County Industrial	
	Development Authority, 7.0%,	
	1/1/38	2,737,627
1,000,000	NR/NRSan Luis Facility Development	
	Corp., 7.25%, 5/1/27	958,690
	-	

		\$ 10,383,336
	California - 19.8%	
11,990,000	CCC/NRCalifornia County Tobacco	
	Securitization Agency Revenue,	
	5.25%, 6/1/46	\$ 8,733,156
1,450,000	NR/NRCalifornia Enterprise Development	
	Authority Recovery Zone Facility	
	Revenue, 8.5%, 4/1/31	1,674,793
5,000,000	NR/Baa3California Pollution Control	, ,
2,000,000	Financing Authority, 5.0%, 7/1/37	5,181,150
2,425,000	A-/A1California State General Obligation	-,,
2, .20,000	Various Purpose, 5.75%, 4/1/31	2,861,379
757,342(a)	NR/NRCalifornia Statewide Communities	2,001,577
757,542(u)	Development Authority	
	Environmental Facilities Revenue,	
	9.0%, 12/1/38	6,695
4,000,000	BB/NRCalifornia Statewide Communities	0,093
4,000,000		
	Development Authority Revenue	
	Higher Education Revenue, 7.25%,	4.010.000
2 (00 000/1)	10/1/38 (144A)	4,019,080
2,680,000(b)	AA+/AaaGolden State Tobacco Securitization	
2 1 10 000	Corp., 6.75%, 6/1/39	2,752,789
3,140,000	AA-/WRLehman Municipal Trust Receipts	
	Revenue, RIB, 10.946%, 9/20/28	
	(144A)	4,179,654
8,575,000(c)	AA-/NRLehman Municipal Trust Receipts,	
	GO, 10.853%, 7/28/31	10,582,150
1,500,000	A-/NRMadera Irrigation Financing	
	Authority Water Revenue, 6.25%,	
	1/1/31	1,729,995
1,500,000	A-/NRMadera Irrigation Financing	
	Authority Water Revenue, 6.5%,	
	1/1/40	1,721,070
2,500,000	A-/A2San Jose California Airport	
	Revenue, 5.0%, 3/1/37	2,637,150
7,000,000	B-/Caa1Tobacco Securitization Authority of	
	Northern California, Revenue,	
	5.375%, 6/1/38	6,144,250
10,500,000	AA-/NRUniversity of California, RIB,	
	11.163%, 5/15/32	11,319,945
	*	\$ 63,543,256
	Colorado - 0.3%	, , ,
1,000,000	NR/NRKremmling Memorial Hospital	
, ,	District Certificate of Participation,	
	7.125%, 12/1/45	\$ 1,114,240
	, , , , , , , , , , , , , , , , ,	+ -,++ · ,= · ·
	Connecticut - 0.3%	
1,000,000	NR/NRHamden Connecticut Facility	
-,000,000	Revenue, 7.75%, 1/1/43	\$ 1,098,240
	10.0100, 1.10.10, 11.11.10	Ψ 1,020, 2 10

District of Colombia - 3.1%

2,700,000	BBB/Baa1District of Columbia Tobacco Settlement Financing Corp., 6.5%, 5/15/33	\$ 3,156,354
6,825,000	BBB/Baa1District of Columbia Tobacco Settlement Financing Corp., 6.75%, 5/15/40	6,893,318 \$ 10,049,672
	Florida - 4.7%	Ψ 10,019,072
1,500,000	NR/NRAlachua County Health Facilities Authority Revenue, 8.125%, 11/15/41	\$ 1,760,700
1,500,000	NR/NRAlachua County Health Facilities Authority Revenue, 8.125%,	
500,000	11/15/46 NR/B1Capital Trust Agency Revenue	1,760,700
1,000,000	Bonds, 7.75%, 1/1/41 NR/NRFlorida Development Finance Corp.,	563,410
-,000,000	Educational Facilities Revenue,	
2,000,000	*	1,083,150
	Educational Facilities Revenue, 7.625%, 6/15/41	2,338,420
Principal		
Amount USD (\$)	S&P/Moody's Rating	Value
(4)		, 0.100
	Florida - (continued)	
	· · · · · · · · · · · · · · · · · · ·	
1,000,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue,	
1,000,000 1,980,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial	\$ 1,135,790
	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42	
	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29	\$ 1,135,790
1,980,000 1,000,000(b)	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32	\$ 1,135,790
1,980,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida	\$ 1,135,790 1,981,762 1,419,020
1,980,000 1,000,000(b)	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32	\$ 1,135,790 1,981,762 1,419,020 2,849,700
1,980,000 1,000,000(b)	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3%	\$ 1,135,790 1,981,762 1,419,020
1,980,000 1,000,000(b)	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3% AA-/WRAtlanta Georgia Water and	\$ 1,135,790 1,981,762 1,419,020 2,849,700
1,980,000 1,000,000(b) 2,500,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3% AA-/WRAtlanta Georgia Water and Wastewater Revenue, RIB,	\$ 1,135,790 1,981,762 1,419,020 2,849,700 \$ 14,892,652
1,980,000 1,000,000(b) 2,500,000 5,210,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3% AA-/WRAtlanta Georgia Water and Wastewater Revenue, RIB, 10.946%, 1/30/13 (144A)	\$ 1,135,790 1,981,762 1,419,020 2,849,700
1,980,000 1,000,000(b) 2,500,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3% AA-/WRAtlanta Georgia Water and Wastewater Revenue, RIB, 10.946%, 1/30/13 (144A)	\$ 1,135,790 1,981,762 1,419,020 2,849,700 \$ 14,892,652
1,980,000 1,000,000(b) 2,500,000 5,210,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3% AA-/WRAtlanta Georgia Water and Wastewater Revenue, RIB, 10.946%, 1/30/13 (144A) B-/NRClayton County Development Authority Revenue, 9.0%, 6/1/35 NR/NRDeKalb County Georgia Hospital	\$ 1,135,790 1,981,762 1,419,020 2,849,700 \$ 14,892,652 \$ 5,998,742 1,122,930
1,980,000 1,000,000(b) 2,500,000 5,210,000 1,000,000 900,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3% AA-/WRAtlanta Georgia Water and Wastewater Revenue, RIB, 10.946%, 1/30/13 (144A) B-/NRClayton County Development Authority Revenue, 9.0%, 6/1/35 NR/NRDeKalb County Georgia Hospital Authority Revenue, 6.0%, 9/1/30	\$ 1,135,790 1,981,762 1,419,020 2,849,700 \$ 14,892,652 \$ 5,998,742
1,980,000 1,000,000(b) 2,500,000 5,210,000 1,000,000	NR/NRFlorida Development Finance Corp., Educational Facilities Revenue, 7.75%, 6/15/42 NR/NRHillsborough County Industrial Development Authority, 6.75%, 7/1/29 NR/WRHillsborough County Industrial Development Authority Revenue, 8.0%, 8/15/32 A/A2Miami-Dade County Florida Aviation Revenue, 5.5%, 10/1/41 Georgia - 4.3% AA-/WRAtlanta Georgia Water and Wastewater Revenue, RIB, 10.946%, 1/30/13 (144A) B-/NRClayton County Development Authority Revenue, 9.0%, 6/1/35 NR/NRDeKalb County Georgia Hospital Authority Revenue, 6.0%, 9/1/30	\$ 1,135,790 1,981,762 1,419,020 2,849,700 \$ 14,892,652 \$ 5,998,742 1,122,930

3,360,000	NR/NRFulton County Residential Care Facilities for the Elderly Authority,	2 000 07
1,650,000	7.0%, 7/1/29 NR/NRSavannah Georgia Economic Development Authority Revenue,	2,998,867
	7.4%, 1/1/34	1,690,343 \$ 13,754,178
	Guam - 1.8%	, -,,
1,000,000	B/NRGuam Government of Department Education Certificates of	
	Participation, 6.625%, 12/1/30	\$ 1,093,660
4,400,000(b)	AA+/B2Northern Mariana Islands, 6.75%,	
	10/1/33	4,602,136
	I.I. 1. 1.107	\$ 5,695,796
2,000,000	Idaho - 1.1% A-/Baa1Power County Industrial	
2,000,000	Development Corp., Revenue,	
	6.45%, 8/1/32	\$ 2,003,300
1,500,000	A-/Baa1Power County Pollution Control	\$ 2 ,00 2 ,200
-,,	Revenue, 5.625%, 10/1/14	1,501,425
		\$ 3,504,725
	Illinois - 6.6%	
1,000,000	NR/Baa2City of Country Club Hills, GO,	
	5.0%, 12/1/31	\$ 1,041,330
45,000	NR/NRIllinois Finance Authority, 7.0%,	44.040
165,000	11/15/17	44,940
165,000	NR/NRIllinois Finance Authority, 7.0%, 11/15/27	164,776
1,450,000	A+/A1Illinois Finance Authority Revenue,	
1 605 000	5.5%, 4/1/39	1,600,321
1,605,000	AA-/Aa3Illinois Finance Authority Revenue, 6.0%, 8/15/25	1,704,687
1,000,000(a)	NR/NRIllinois Finance Authority Revenue,	250,000
200,000	6.0%, 11/15/27	350,000
280,000	BBB+/NRIllinois Finance Authority Revenue, 6.0%, 8/15/38	317,176
2,000,000	AA+/Aa2Illinois Finance Authority Revenue,	317,170
2,000,000	6.0%, 8/15/39	2,340,820
2,500,000	NR/NRIllinois Finance Authority Revenue,	,,
, ,	6.125%,	
	11/15/25	2,591,050
6,000,000	NR/NRIllinois Finance Authority Revenue,	
	8.25%, 5/15/45	6,446,880
2,500,000	NR/NRIllinois Finance Authority Revenue, 8.25%, 2/15/46	2,726,675
2,170,000	NR/NRSouthwestern Illinois Development Authority Revenue, 5.625%,	
	11/1/26	1,841,744
		\$ 21,170,399
250.000	Indiana - 0.9%	4.260.245
250,000	NR/NR	\$ 269,247

	City of Carmel Indiana Nursing Home Revenue, 7.0%, 11/15/32	
750,000	NR/NRCity of Carmel Indiana Nursing Home Revenue, 7.125%, 11/15/42	807,465
500,000	NR/NRCity of Carmel Indiana Nursing Home Revenue, 7.125%, 11/15/47	536,390
250,000	NR/Baa3East Chicago Indiana Exempt Facilities Revenue, 7.0%, 1/1/14	251,355
1,805,000	NR/NRVincennes Industrial Economic Development Revenue, 6.25%,	,
	1/1/24	1,105,563 \$ 2,970,020
	Kansas - 0.3%	
1,000,000	NR/A2Kansas Development Finance Authority Revenue, 5.0%, 5/15/35	\$ 1,085,570
	Louisiana - 5.9%	
5,000,000	BBB-/Baa2Jefferson Parish Hospital Service	
	Revenue, 6.375%, 7/1/41	\$ 5,860,400
2,500,000	BBB-/Baa3Louisiana Local Government	
	Environmental Facilities &	
	Community Development Authority Revenue, 6.75%, 11/1/32	2,806,250
Principal		
Amount	S&P/Moody's	
	See 7 Woody 5	
USD (\$)	Rating	Value
	Rating	Value
	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities	
USD (\$)	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General	\$ 6,375,540
USD (\$) 6,000,000 750,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23	\$ 6,375,540 6, 768,322
USD (\$) 6,000,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor	\$ 6,375,540 6, 768,322 p.
USD (\$) 6,000,000 750,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23	\$ 6,375,540 6, 768,322 p. 2,973,271
USD (\$) 6,000,000 750,000	Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor Revenue, 5.875%, 5/15/39	\$ 6,375,540 6, 768,322 p.
USD (\$) 6,000,000 750,000 2,915,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor Revenue, 5.875%, 5/15/39 Maine - 0.6%	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000	Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor Revenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educational	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000 2,915,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor Revenue, 5.875%, 5/15/39 Maine - 0.6%	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000 2,915,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor Revenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educationa Facilities Authority Revenue, 7.5% 7/1/32 Maryland - 1.7%	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000 2,915,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Corgevenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educational Facilities Authority Revenue, 7.5% 7/1/32 Maryland - 1.7% NR/NRMaryland Health & Higher	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000 2,915,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Corgan Revenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educational Facilities Authority Revenue, 7.5% 7/1/32 Maryland - 1.7% NR/NRMaryland Health & Higher Educational Facilities Authority	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000 2,915,000 1,500,000	Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor Revenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educationa Facilities Authority Revenue, 7.5% 7/1/32 Maryland - 1.7% NR/NRMaryland Health & Higher Educational Facilities Authority Revenue, 5.25%, 1/1/27	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000 2,915,000	Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Cor Revenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educationa Facilities Authority Revenue, 7.5% 7/1/32 Maryland - 1.7% NR/NRMaryland Health & Higher Educational Facilities Authority Revenue, 5.25%, 1/1/27 NR/NRMaryland Health & Higher	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783
USD (\$) 6,000,000 750,000 2,915,000 1,500,000	Rating Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Corgevenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educational Facilities Authority Revenue, 7.5% 7/1/32 Maryland - 1.7% NR/NRMaryland Health & Higher Educational Facilities Authority Revenue, 5.25%, 1/1/27 NR/NRMaryland Health & Higher Educational Facilities Authority	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783 all 6, \$ 1,903,680 \$ 455,957
USD (\$) 6,000,000 750,000 2,915,000 1,500,000	Louisiana - (continued) NR/Baa1Louisiana Public Facilities Authority Revenue, 5.5%, 5/15/47 BBB-/NROpelousas Louisiana General Hospital Authority Revenue, 5.75% 10/1/23 A-/A3Tobacco Settlement Financing Corgevenue, 5.875%, 5/15/39 Maine - 0.6% NR/Baa3Maine Health & Higher Educational Facilities Authority Revenue, 7.5% 7/1/32 Maryland - 1.7% NR/NRMaryland Health & Higher Educational Facilities Authority Revenue, 5.25%, 1/1/27 NR/NRMaryland Health & Higher Educational Facilities Authority Revenue, 5.3%, 1/1/37	\$ 6,375,540 6, 768,322 p. 2,973,271 \$ 18,783,783

2,000,000	Revenue, 5.75%, 7/1/38 NR/NRMaryland Health & Higher Educational Facilities Authority	
	Revenue, 6.25%, 1/1/45	2,299,600 \$ 5,292,782
505 000	Massachusetts - 9.1% BB/NRMassachusetts Development	
595,000	Finance Agency Revenue, 5.25%,	Φ 505 170
8,000,000	10/1/18 A/WRMassachusetts Development	\$ 595,179
0,000,000	Finance Agency Revenue, 5.75%, 1/1/42	10,641,600
1,845,000	NR/NRMassachusetts Development	, ,
- 40-7 000	Finance Agency Revenue, 7.1%, 7/1/32	1,845,849
2,195,000	BBB-/Baa3Massachusetts Health & Educational Facilities Authority	2.106.105
2,000,000	Revenue, 5.375%, 7/15/28 AAA/AaaMassachusetts Health &	2,196,185
2,000,000	Educational Facilities Authority Revenue, 5.5%, 7/1/32	2,894,340
3,420,000(a)	NR/NRMassachusetts Health &	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Educational Facilities Authority	17.647
10,760,000	Revenue, 6.5%, 1/15/38 AA-/Aa3Massachusetts Housing Finance	17,647
10,700,000	Agency Revenue, 5.35%, 12/1/45	10,801,749 \$ 28,992,549
	Michigan - 1.7%	
2,000,000	NR/Ba1Flint Michigan Hospital Building Authority Revenue, 7.375%, 7/1/35	# 2 2 12 1 CO
2,235,000	BB+/NRKent Hospital Finance Authority	\$ 2,343,160
2,233,000	Revenue, 6.25%, 7/1/40	2,323,842
675,000	NR/NRMichigan Public Educational	
	Facilities Authority Revenue, 7.0%, 10/1/36	697,079
	10/1/30	\$ 5,364,081
	Minnesota - 0.4%	
1,000,000	NR/NRPort Authority of the City of Bloomington, Minnesota Recovery Zone Facility Revenue, 9.0%,	
	12/1/35	\$ 1,191,310
	Nr. 100	
1,000,000	Missouri - 1.3% NR/NRKansas City Tax Increment Financing Commission Tax	
1,500,000(a)(d)	Increment Revenue, 6.5%, 6/1/25 NR/CaSt. Louis Industrial Development	\$ 1,038,890
	Authority Revenue, 7.2%, 12/15/28	569,640
6,640,000(a)(d)	NR/Ca	2,521,606

	St. Louis Industrial Development Authority Revenue, 7.25%, 12/15/35	
		\$ 4,130,136
	Montana - 0.7%	
2,445,000(e)		
	Infrastructure Development	
	Revenue, 0.0%, 9/1/31	\$ 2,079,155
1,000,000(a)(d	•	
	Revenue, 7.375%, 11/1/27	148,460
		\$ 2,227,615
	Nevada - 1.5%	
4,500,000	•	
	5.25%, 6/1/41	\$ 4,734,810
	New Hampshire - 0.4%	
1,125,000	•	
	Education Facilities Authority	
	Revenue, 5.875%, 7/1/34	\$ 1,165,230
	New Jersey - 12.0%	
2,500,000		
	Bridge Commission Revenue,	
	5.625%, 1/1/38	\$ 2,597,475
D: : 1		
Principal		
A	C O D/M 4!-	
	S&P/Moody's	W - 1
	S&P/Moody's Rating	Value
	Rating	Value
USD (\$)	Rating New Jersey - (continued)	Value
	New Jersey - (continued) NR/NRNew Jersey Economic Development	Value
USD (\$)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32	
USD (\$) I	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A)	Value \$ 1,650,660
USD (\$)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development	
USD (\$) I	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A)	\$ 1,650,660
USD (\$) 1 1,500,000 7,500,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27	
USD (\$) I	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike	\$ 1,650,660
USD (\$) 1 1,500,000 7,500,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue,	\$ 1,650,660 7,729,875
USD (\$) 1 1,500,000 7,500,000 3,500,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A)	\$ 1,650,660
USD (\$) 1 1,500,000 7,500,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust	\$ 1,650,660 7,729,875
USD (\$) 1 1,500,000 7,500,000 3,500,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%,	\$ 1,650,660 7,729,875 6,419,665
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27	\$ 1,650,660 7,729,875
USD (\$) 1 1,500,000 7,500,000 3,500,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing	\$ 1,650,660 7,729,875 6,419,665 8,730,540
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e) 1,000,000(b)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing Corp., Revenue, 6.25%, 6/1/43	\$ 1,650,660 7,729,875 6,419,665
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing Corp., Revenue, 6.25%, 6/1/43 AA+/AaaTobacco Settlement Financing	\$ 1,650,660 7,729,875 6,419,665 8,730,540 1,025,080
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e) 1,000,000(b) 5,000,000(b)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing Corp., Revenue, 6.25%, 6/1/43 AA+/AaaTobacco Settlement Financing Corp., Revenue, 7.0%, 6/1/41	\$ 1,650,660 7,729,875 6,419,665 8,730,540
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e) 1,000,000(b)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing Corp., Revenue, 6.25%, 6/1/43 AA+/AaaTobacco Settlement Financing Corp., Revenue, 7.0%, 6/1/41 B-/B1Tobacco Settlement Financing	\$ 1,650,660 7,729,875 6,419,665 8,730,540 1,025,080 5,140,800
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e) 1,000,000(b) 5,000,000 2,000,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing Corp., Revenue, 6.25%, 6/1/43 AA+/AaaTobacco Settlement Financing Corp., Revenue, 7.0%, 6/1/41 B-/B1Tobacco Settlement Financing Corp., Revenue, 4.625%, 6/1/26	\$ 1,650,660 7,729,875 6,419,665 8,730,540 1,025,080
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e) 1,000,000(b) 5,000,000(b)	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing Corp., Revenue, 6.25%, 6/1/43 AA+/AaaTobacco Settlement Financing Corp., Revenue, 7.0%, 6/1/41 B-/B1Tobacco Settlement Financing Corp., Revenue, 4.625%, 6/1/26 AA+/AaaTobacco Settlement Financing	\$ 1,650,660 7,729,875 6,419,665 8,730,540 1,025,080 5,140,800 1,940,000
USD (\$) 1 1,500,000 7,500,000 3,500,000 15,375,000(e) 1,000,000(b) 5,000,000 2,000,000	New Jersey - (continued) NR/NRNew Jersey Economic Development Authority Revenue, 10.5%, 6/1/32 (144A) B/B3New Jersey Economic Development Authority Revenue, 5.75%, 9/15/27 AA-/WRNew Jersey State Turnpike Authority Transportation Revenue, RIB, 10.569%, 7/1/23 (144A) AA+/Aa1New Jersey Transportation Trust Fund Authority Revenue, 0.0%, 12/15/27 AA+/AaaTobacco Settlement Financing Corp., Revenue, 6.25%, 6/1/43 AA+/AaaTobacco Settlement Financing Corp., Revenue, 7.0%, 6/1/41 B-/B1Tobacco Settlement Financing Corp., Revenue, 4.625%, 6/1/26 AA+/AaaTobacco Settlement Financing Corp., Revenue, 4.625%, 6/1/39	\$ 1,650,660 7,729,875 6,419,665 8,730,540 1,025,080 5,140,800

	Now Vork 9 10/	
1,730,000	New York - 8.1% NR/NRDutchess County Industrial	
1,730,000	Development Agency, 7.5%, 3/1/29	
	Development Agency, 7.5 %, 3/1/29	\$ 1,776,329
7,000,000	BB/B2New York City Industrial	\$ 1,770,327
7,000,000	Development Agency Revenue,	
	5.25%, 12/1/32	7,000,140
3,950,000	BB/B2New York City Industrial	7,000,110
2,522,533	Development Agency Revenue,	
	7.625%, 12/1/32	4,049,106
5,000,000	AAA/AaaNew York State Dormitory	, ,
, ,	Authority Revenue, 5.0%, 10/1/41	5,829,150
2,000,000	NR/Ba1New York State Dormitory	
	Authority Revenue, 6.125%,	
	12/1/29	2,230,780
5,000,000	AAA/AaaNew York State Environmental	
	Facilities Corp. Water Revenue,	
	5.0%, 6/15/33	5,094,150
		\$ 25,979,655
	North Carolina - 1.6%	
5,010,000	NR/NRCharlotte North Carolina Special	
	Facilities Revenue, 7.75%, 2/1/28	\$ 5,017,315
	011 407	
1 500 000	Ohio - 1.9%	
1,500,000	NR/NRAdams County Hospital Facilities	¢ 1 100 070
<i>5</i> 000 000	Revenue, 6.5%, 9/1/36	\$ 1,190,970
5,000,000	B-/B3Buckeye Tobacco Settlement	
	Financing Authority Revenue, 6.5% 6/1/47	
	0/1/4/	4,865,800 \$ 6,056,770
	Oklahoma - 1.7%	\$ 0,030,770
2,220,000	NR/WRTulsa Municipal Airport Trust	
2,220,000	Revenue,	
	6.25%, 6/1/20	\$ 2,225,794
3,000,000(c)	NR/WRTulsa Municipal Airport Trust	Ψ 2,223,771
2,000,000(2)	Revenue,	
	7.75%, 6/1/35	3,300,600
	, , , , , , , , , , , , , , , , , , , ,	\$ 5,526,394
	Oregon - 0.7%	, , ,
2,000,000	A-/NROregon State Facilities Authority	
	Revenue, 5.25%, 10/1/40	\$ 2,198,620
	Pennsylvania - 5.5%	
2,000,000	BBB-/Ba1Pennsylvania Economic	
	Development Financing Authority	
	Revenue, 4.625%, 12/1/18	\$ 2,032,660
5,000,000	B-/Caa2Pennsylvania Economic	
	Development Financing Authority	
	Solid Waste Disposal Revenue,	= ~~~ :=
5 000 000	6.0%, 6/1/31	5,000,150
5,000,000	A-/A3	5,509,100

5,000,000	BBB-/Ba1	Pennsylvania Turnpike Commission, 5.3%, 12/1/41 Philadelphia Hospitals & Higher	
-,,		Education Facilities Authority	
		Revenue, 5.0%, 7/1/34	5,111,050
			\$ 17,652,960
		Rhode Island - 3.6%	
1,385,000(d)	NR/NR	Central Falls Rhode Island	
		Detention Facility Corp., Revenue,	¢ 1 102 200
1,500,000	NID/NID	7.25%, 7/15/35 Rhode Island Health & Educational	\$ 1,193,399
1,500,000	INIX/INIX	Building Corp., Revenue, 8.375%,	
		1/1/46	1,782,510
8,285,000	BB/Ba1	Tobacco Settlement Financing	,
		Corp., Revenue, 6.25%, 6/1/42	8,396,930
			\$ 11,372,839
		South Carolina - 4.6%	
8,000,000(b)	BBB+/Baa1	South Carolina Jobs Economic	
		Development Authority Revenue,	¢ 0 201 600
		6.375%, 8/1/34	\$ 8,281,698
Principal			
•	S&P/Moody	's	
	Rating		Value
4 400 000(5	DDD WY	South Carolina - (continued)	
4,400,000(f)	BBB/W	RTobacco Settlement Revenue	
		Management Authority, 6.375%, 5/15/30	\$ 6,385,632
		3/13/30	\$ 14,667,330
		Tennessee - 2.9%	ψ 14,007,330
5,000,000	BBB+/Baa	alJohnson City Health & Educational	
		Facilities Board Hospital Revenue,	
		6.5%, 7/1/38	\$ 6,011,200
3,000,000	BBB+/N	RSullivan County Health, Educationa	ા
		& Housing Facilities Board	2 1 (2 1 7 0
		Revenue, 5.25%, 9/1/36	3,163,170
		Texas - 15.1%	\$ 9,174,370
2,400,000	BB+/Ba	alCentral Texas Regional Mobility	
_,,	22.,20	Authority Revenue, 6.75%, 1/1/41	\$ 2,798,016
2,663,453(a)(d)	NR/N	RGulf Coast Industrial Development	. , ,
		Authority Revenue, 7.0%, 12/1/36	24,610
10,000,000	B/B	33Houston Texas Airport System	
		Special Facilities Revenue, 6.75%,	
505 000	NTD AT	7/1/29	10,040,700
595,000	NR/N	RIAH Public Facility Corp., Facilities	
		Revenue, Series 2006, 6.0%, 5/1/16	580,554
1.000.000	NR/N	RIAH Public Facility Corp., Facilities	
1,000,000	NR/N	RIAH Public Facility Corp., Facilities Revenue, Series 2006, 6.0%, 5/1/21	s 907,870

1,350,000	NR/NRIAH Public Facility Corp., Facilities Revenue, Series 2006, 6.125%,	
	5/1/26	1,187,312
3,000,000	NR/NRJefferson County Industrial	
	Development Corp., Revenue,	
	8.25%, 7/1/32	3,069,240
2,240,000	AA-/Aa3Lower Colorado River Authority	
	Power Revenue, 5.0%, 5/15/31	2,243,494
845,000	NR/NRLubbock Health Facilities	
	Development Corp. Nursing Home	
	Revenue, 6.5%, 7/1/26	892,903
2,000,000	NR/NRLubbock Health Facilities	
	Development Corp., Nursing Home	
	Revenue, 6.625%, 7/1/36	2,094,440
9,750,000	BBB+/A3North Texas Tollway Authority	
	Transportation Revenue, 5.75%,	
	1/1/33	10,880,805
1,711,000	NR/AaaPanhandle Regional Housing	
	Finance Corp., Multifamily Housing	
	Revenue, 6.6%, 7/20/31	1,799,715
1,500,000	NR/NRRed River Health Facilities	
	Development Corp., Revenue, 8.0%,	
	11/15/41	1,746,585
1,000,000	A+/A1Richardson Hospital Authority	
	Revenue, 6.0%, 12/1/34	1,024,240
3,000,000	NR/NRSanger Industrial Development	
	Corp., Revenue, 8.0%, 7/1/38	3,205,650
1,000,000	NR/NRTarrant County Cultural Education	
	Facilities Finance Corp., Revenue,	
	8.125%, 11/15/39	1,118,130
1,500,000	NR/NRTarrant County Cultural Education	
	Facilities Finance Corp., Revenue,	
	8.25%, 11/15/44	1,683,150
1,000,000(a)(d)	D/NRTexas Midwest Public Facility	
	Corp. Revenue, 9.0%, 10/1/30	407,500
2,500,000	NR/NRTravis County Health Facilities	
	Development Corp., Revenue,	
	7.125%, 1/1/46	2,672,150
		\$ 48,377,064
	Virginia - 0.8%	
2,000,000	BBB+/Baa1Washington County Industrial	
	Development Authority Revenue,	
	7.75%, 7/1/38	\$ 2,484,580

	Washington - 4.2%	
1,125,000	BBB/A3Tobacco Settlement Authority	
	Revenue,	.
	6.5%, 6/1/26	\$ 1,158,728
1,500,000	NR/Baa3Washington State Health Care	1,606,125
	Facilities Authority Revenue, 5.5%,	

		12/1/39	
2,000,00	00 BBB/Ba	a2Washington State Health Care	
		Facilities Authority Revenue,	2 100 000
2 000 00	M DDD/Da	6.125%, 8/15/37	2,198,880
2,000,00	и ввв/ва	a2Washington State Health Care Facilities Authority Revenue,	
		6.25%, 8/15/42	2,198,700
5,000,00	00 NR/N	RWashington State Housing Finance	2,150,700
,		Committee Nonprofit Revenue,	
		5.625%, 1/1/27	5,066,850
1,100,00	00 NR/N	RWashington State Housing Finance	
		Committee Nonprofit Revenue,	1 000 202
		6.75%, 10/1/47	1,098,383
		West Virginia - 0.9%	\$ 13,327,666
2,000,00	00 NR/N	IRCity of Philippi, 7.75%, 10/1/44	\$ 2,049,060
750,00		RWest Virginia Hospital Finance	Ψ 2,0 17,000
,		Authority Hospital Revenue,	
		9.125%, 10/1/41	947,693
			\$ 2,996,753
5			
Principal Amount	C P-D/Magai	ledo.	
USD (\$)	S&P/Mood Rating	ly s	Value
USD (ψ)	Rating		varue
		Wisconsin - 3.1%	
2,900,000		NRAztalan Township, 7.5%, 5/1/18	\$ -
2,500,0	000 NR/	NRWisconsin Public Finance Authori	ty
		Continuing Care Retirement	16
		Community Revenue, 8.25%, 6/1/	3,008,575
1,000,000)(b) NR/	NRWisconsin State Health &	3,000,373
-,,		Educational Facilities Authority	
		Revenue, 6.125%, 4/1/24	1,068,230
1,000,000	(b) NR/	NRWisconsin State Health &	
		Educational Facilities Authority	
1.500.0)00 A.	Revenue, 6.25%, 4/1/34	1,069,790
1,500,0	000 A+/	'A1Wisconsin State Health &	
		Educational Facilities Authority Revenue, 6.625%, 2/15/39	1,761,645
1,500,0	000 NR/	NRWisconsin State Public Finance	1,701,043
,,	- 1-1	Authority Revenue, 8.375%, 6/1/2	0
		•	1,518,660
1,500,0	000 NR/	NRWisconsin State Public Finance	
		Authority Revenue, 8.625%, 6/1/4	
			1,617,615
		TOTAL TAX EXEMPT	\$ 10,044,515
		OBLIGATIONS	
		(Cost \$395,863,796)	\$ 441,390,353
		(= 555 4575,555,175)	÷,5,0,555

MUNICIPAL COLLATERALIZED DEBT OBLIGATION - 2.6% of

Net Assets

13,000,000(c)(d) NR/NRNon-Profit Preferred Funding Trust

I, 6.75%, 9/15/37 (144A) \$ 8,273,850

TOTAL MUNICIPAL

COLLATERALIZED DEBT

OBLIGATION

(Cost \$13,000,000) \$8,273,850

TAX EXEMPT MONEY MARKET MUTUAL FUND - 3.4% of Net

Assets

11,000,000 NR/NRBlackRock Liquidity Funds

MuniFund Portfolio \$11,000,000

TOTAL TAX EXEMPT MONEY MARKET MUTUAL FUND

(Cost \$11,000,000) \$11,000,000

TOTAL INVESTMENTS IN

SECURITIES - 143.9%

(Cost - \$419,863,796) (h)(i) \$ 460,664,203

OTHER ASSETS AND

LIABILITIES -3.0% \$ 9,562,203

PREFERRED SHARES AT REDEMPTION VALUE, INCLUDING DIVIDENDS

PAYABLE - (46.8)% \$ (150,000,000)

NET ASSETS APPLICABLE TO COMMON SHAREOWNERS

-100.0% \$ 320,226,406

NR Security not rated by S&P or Moody's.

WR Rating withdrawn by either S&P or Moody's.

(144A) Security is exempt from registration under Rule 144A of the

Securities Act of 1933. Such securities may be resold normally to

qualified institutional buyers in a transaction exempt from registration. At December 31, 2012, the value of these securities amounted to \$30,541,651, or 9.5% of total net assets applicable to

common shareowners.

Residual Interest Bond. The interest rate is subject to change

periodically and inversely based upon prevailing market rates. The

interest rate shown is the rate at December 31, 2012.

General Obligation.

GO

RIB

- (a) Security is in default and is non income producing.
- (b) Prerefunded bonds have been collateralized by U.S.

 Treasury or U.S. Government Agency securities which are held in escrow to pay interest and principal on the tax exempt issue and to retire the bonds in full at the earliest refunding date.
- (c) The interest rate is subject to change periodically. The interest is shown is the rate at December 31, 2012.
- (d) Indicates a security that has been deemed as illiquid. The aggregate cost of illiquid securities is \$27,047,644. The aggregate fair value of \$13,139,065 represents 4.1% of total net assets applicable to common shareowners.
- (e) Security issued with a zero coupon. Income is recognized through accretion of discount.
- (f) Escrow to maturity.
- (g) Security is valued using fair value methods.

(h) The concentration of investments by type of obligation/market sector is as follows:

Insured	
FSA	6.1%
AMBAC GO OF INSTN	2.3
FSA-CR	2.3
BHAC-CR MBIA	1.9
AMBAC	1.0
GO OF INSTN	0.6
AGM	0.5
GNMA COLL	0.4
ASSURED GTY	0.4
NATL-RE	0.2
Revenue Bonds:	
Health Revenue	18.9
Tobacco Revenue	13.7
Facilities Revenue	13.7
Development Revenue	11.2
Other Revenue	8.6
Airport Revenue	4.8
Education Revenue	4.8
Transportation Revenue	3.6
Water Revenue	3.0
Pollution Control Revenue	2.0
Utilities Revenue	0.0*
	100.0%

At December 31, 2012, the net unrealized gain on

investments based on cost for federal tax purposes of \$419,863,796 was as follows:

> Aggregate gross unrealized gain for all investments in which there is an excess of value \$ 58,518,413 over tax cost Aggregate gross unrealized loss for all investments in which there is an excess of tax cost over value (17,718,006)

Net unrealized gain \$ 40,800,407

For financial reporting purposes net unrealized gain on investments was \$ 40,800,407 and cost of investments aggregated \$419,863,796.

(i)

Various inputs are used in determining the value of the Trust's investments.

These inputs are summarized in the three broad levels below.

Level 1 - quoted prices in active markets for identical securities

Level 2 - other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds credit

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

Generally, equity securities are categorized as

Level 1, fixed income securities

and senior loans

are categorized

as Level 2,

risks, etc.)

and securities

valued using fair

value methods

(other than prices supplied by independent

pricing services) as level 3.

The following is a summary of the inputs used as of December 31, 2012, in valuing the Trust's investments.

	Level 1	Level 2	Level 3	Total
Tax exempt obligations Municipal	\$-	\$441,390,353	\$ -	\$441,390,353
collateralized debt obligation Tax exempt	-	8,273,850	_	8,273,850
money market mutual fund Total	11,000,000 \$11,000,000	- \$449,664,203	- \$-	11,000,000 \$460,664,203

The following is a reconciliation of assets valued using significant unobservable inputs (level 3):

		Change		
Balance	Realized	in	Purchases	Sales Accrued Transfers Transfers Balance
as of	gain	Unrealized		discounts/ in to out of as of
3/31/2012	(loss)	appreciation		premiums Level 3* Level 3* 12/31/12
		(depreciation))	

Tax exempt

obligations – \$- \$- \$- \$- \$- \$-**
Total – \$- \$- \$- \$- \$- \$-**

* Transfers are calculated on the end of period value. ** Azatlan Township is fair valued at \$0.

ITEM 2. CONTROLS AND PROCEDURES. (a) Disclose the conclusions of the registrant's principal executive and principal financial officers, or persons performing similar functions, regarding the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Act (17 CFR 270.30a-3(c))) as of a date within 90 days of the filing date of the report that includes the disclosure required by this paragraph, based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the Act (17 CFR 270.30a-3(b))) and Rule 13a-15(b) or 15d-15(b) under the Exchange Act (17 CFR 240.13a-15(b) or 240.15d-15(b)). The registrant's principal executive officer and principal financial officer have concluded that the registrant's disclosure controls and procedures are effective based on their evaluation of these controls and procedures as of a date within 90 days of the filing date of this report. (b) Disclose any change in the registrant's internal controls over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR 270.30a-3(d)) that occurred during the registrant's last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting. There were no significant changes in the registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting. ITEM 3. EXHIBITS. (a) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the Act (17 CFR 270.30a-2(a)). Filed herewith. <PAGE> SIGNATURES [See General Instruction F] 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. (Registrant) Pioneer Municipal High Income Advantage Trust By (Signature and Title)* /s/ John F. Cogan, Jr. John F. Cogan, Jr, President Date March 1, 2013 Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated. By (Signature and Title)* /s/ John F. Cogan, Jr. John F. Cogan, Jr., President Date March 1, 2013 By (Signature and Title)* /s/ Mark Bradley Mark Bradley, Treasurer Date March 1, 2013 * Print the name and title of each signing officer under his or her signature.