

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-B

May 28, 2015

PAGE 1
000 B000000 03/31/2015
000 C000000 0001258943
000 D000000 N
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000 I000000 6.1
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002 C000000 MA
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007 C011000 10
008 A000001 PIONEER INVESTMENT MANAGEMENT, INC.
008 B000001 A
008 C000001 801-8255
008 D010001 BOSTON
008 D020001 MA
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010 C020001 MA
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010 A000002 BROWN BROTHERS HARRIMAN & CO.
010 C010002 BOSTON
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010 C030002 02110
011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
011 B000001 8-41256
011 C010001 BOSTON
011 C020001 MA
PAGE 2
011 C030001 02109
011 C040001 1820
011 A000002 UBS INVESTMENT BANK
011 B000002 8-022651
011 C010002 STAMFORD
011 C020002 CT

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011 C030002 06901
011 A000003 RBC CAPITAL MARKETS CORP.
011 B000003 8-045411
011 C010003 MINNEAPOLIS
011 C020003 MN
011 C030003 55402
011 C040003 4422
011 A000004 MERRILL LYNCH & CO.
011 B000004 8-7221
011 C010004 NEW YORK
011 C020004 NY
011 C030004 10281
011 C040004 1201
011 A000005 JANNEY MONTGOMERY SCOTT, LLC
011 B000005 8-462
011 C010005 PHILADELPHIA
011 C020005 PA
011 C030005 19103
011 C040005 1675
011 A000006 WACHOVIA CAPITAL MARKETS, LLC
011 B000006 8-99999
011 C010006 RICHMOND
011 C020006 VA
011 C030006 23219
012 A000001 PIONEER INVEST. MGMT. SHAREHOLDER SERV. INC.
012 B000001 85-01359
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012 A000002 AMERICAN STOCK TRANSFER & TRUST CO. (COMMON)
012 B000002 85-00000
012 C010002 BROOKLYN
012 C020002 NY
012 C030002 11219
012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF.)
012 B000003 85-05212
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013 A000001 DELOITTE & TOUCHE LLP
013 B010001 BOSTON
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015 A000003 HSBC BANK AUSTRALIA LIMITED
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015 C010003 SYDNEY
015 D010003 AUSTRALIA
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015 A000004 UNICREDIT BANK AUSTRIA AG
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015 C010004 VIENNA
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015 A000006 EUROCLEAR BANK SA NV
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015 A000007 BNP PARIBAS SECURITIES SERVICES
015 B000007 S
015 C010007 PANTIN
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015 E040007 X
015 A000008 CITIBANK, N.A., SAO PAULO
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015 A000012 STANDARD CHARTERED BANK (CHINA) LIMITED
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015 D010015 DENMARK
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015 A000016 CITIBANK, N.A., CAIRO BRANCH
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015 C010016 CAIRO

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015 D010016 EGYPT
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015 A000022 STANDARD CHARTERED BANK (HONG KONG) LIMITED
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015 A000023 CITIBANK EUROPE PLC, HUNGARIAN BRANCH OFFICE
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015 E040023 X
015 A000024 CITIBANK, N.A., MUMBAI BRANCH
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015 D010028 ITALY

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015 E040030 X
015 A000031 CFC STANBIC BANK LIMITED
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015 D010031 KENYA
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015 A000033 KBL EUROPEAN PRIVATE BANKERS SA
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015 A000036 CITIBANK MAGHREB
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015 D010036 MOROCCO
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015 E040039 X
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015 A000041 CITIBANK DEL PERU S.A.
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PAGE 7
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015 C010043 WARSAW
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PAGE 8
015 A000053 BANCO BILBAO VIZCAYA AREGENTARIA SA
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015 D010053 SPAIN

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PAGE 9
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087	A010000	COMMON STOCK
087	A020000	723762100
087	A030000	MAV
087	B010000	PREFERRED STOCK - SERIES A
087	B020000	723762209
087	C010000	PREFERRED STOCK - SERIES B
087	C020000	723762308
088	A000000	N

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088 B000000 N
088 C000000 N
088 D000000 Y
SIGNATURE MARK E. BRADLEY
TITLE TREASURER