

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-B

May 27, 2016

PAGE 1
000 B000000 03/31/2016
000 C000000 0001258943
000 D000000 N
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001 B000000 811-21409
001 C000000 6177427825
002 A000000 60 STATE STREET
002 B000000 BOSTON
002 C000000 MA
002 D010000 02109
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008 B000001 A
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008 D020001 MA
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010 B000001 801-8255
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010 C020001 MA
010 C030001 02109
010 A000002 BROWN BROTHERS HARRIMAN & CO.
010 C010002 BOSTON
010 C020002 MA
010 C030002 02110
011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
011 B000001 8-41256
011 C010001 BOSTON
011 C020001 MA
PAGE 2
011 C030001 02109
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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
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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
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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 A000007 BNP PARIBAS SECURITIES SERVICES
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015 C010007 PANTIN
015 D010007 BELGIUM
015 E040007 X
015 A000008 CITIBANK, N.A., SAO PAULO
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015 A000009 CITIBANK EUROPE PLC, BULGARIA BRANCH
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015 A000014 CITIBANK EUROPE PLC, ORGANIZACNI SLOZKA
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015 A000015 SKANDINAVISKA ENSKILDA BANKEN AB (PUBL)
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015 C010015 COPENHAGEN
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015 D010016 EGYPT
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015 A000017 NORDEA BANK FINLAND PLC
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015 C010017 HELSINKI
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015 A000020 STANDARD CHARTERED BANK GHANA LTD.
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015 A000021 HSBC BANK PLC, ATHENS BRANCH
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015 E040021 X
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 A000029 SUMITOMO MITSU BANKING CORPORATION
015 B000029 S
015 C010029 TOKYO

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015 D010029 JAPAN
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015 A000032 HSBC BANK MIDDLE EAST LIMITED, KUWAIT BRANCH
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PAGE 6

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015 C010034 KUALA LUMPUR
015 D010034 MALAYSIA
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015 D010036 MOROCCO
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015 A000041 CITIBANK DEL PERU S.A.
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015 A000042 HSBC LIMITED, PHILIPPINE BRANCH
015 B000042 S
015 C010042 TAGUIG CITY

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015 D010042 PHILIPPINES
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PAGE 7
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015 A000044 BNP PARIBAS SECURITIES SERVICES
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015 A000046 CITIBANK EUROPE PLC, DUBLIN-SUCURSALA ROMANIA
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015 A000047 AO CITIBANK FOR CITIBANK, N.A.
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015 A000053 BANCO BILBAO VIZCAYA AREGENTARIA SA
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PAGE 8
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015 A000055 SKANDINAVISKA ENSKILDA BANKEN AB (PUBL)
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015 C010055 STOCKHOLM
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PAGE 13

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PAGE 14

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088 D000000 Y
SIGNATURE MARK E. BRADLEY
TITLE TREASURER