

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-A

November 30, 2015

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000 A000000 09/30/2015
000 C000000 0001258943
000 D000000 N
000 E000000 NF
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000 H000000 N
000 I000000 6.1
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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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007 C010800 8
007 C010900 9
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010 A000002 BROWN BROTHERS HARRIMAN & CO.
010 C010002 BOSTON
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
011 B000001 8-41256
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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
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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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012 C020003 NY
012 C030003 10005
013 A000001 DELOITTE & TOUCHE LLP
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015 B000003 S
015 C010003 SYDNEY
015 D010003 AUSTRALIA
015 E040003 X
015 A000004 UNICREDIT BANK AUSTRIA AG
015 B000004 S

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015 C010004 VIENNA
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015 B000007 S
015 C010007 PANTIN
015 D010007 BELGIUM
015 E040007 X
015 A000008 CITIBANK, N.A., SAO PAULO
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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 A000016 CITIBANK, N.A., CAIRO BRANCH
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015 D010016 EGYPT
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015 A000017 NORDEA BANK FINLAND PLC
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015 E040017 X
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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
015 B000022 S
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015 A000023 CITIBANK EUROPE PLC, HUNGARIAN BRANCH OFFICE
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015 D010026 IRELAND
015 E040026 X
015 A000027 BANK HAPOALIM BM
015 B000027 S
015 C010027 TEL AVIV
015 D010027 ISRAEL
015 E040027 X
015 A000028 BNP PARIBAS SECURITIES SERVICES, MILAN BRANCH
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015 D010028 ITALY

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015 E040028 X
015 A000029 SUMITOMO MITSU BANKING CORPORATION
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015 A000031 CFC STANBIC BANK LIMITED
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015 A000033 KBL EUROPEAN PRIVATE BANKERS SA
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015 A000036 CITIBANK MAGHREB
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015 A000041 CITIBANK DEL PERU S.A.
015 B000041 S
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015 D010043 POLAND
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015 C010045 ST. HELIER
015 D010045 QATAR
015 E040045 X
015 A000046 CITIBANK EUROPE PLC, DUBLIN-SUCURSALA ROMANIA
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015 A000053 BANCO BILBAO VIZCAYA AREGENTARIA SA
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015 D010055 SWEDEN
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015 A000056 CREDIT SUISSE AG
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015 C010056 ZURICH
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015 A000059 CITIBANK ANONIM SIRKETI
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PAGE 9
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SIGNATURE	MARK E. BRADLEY	
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