

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-A

November 29, 2017

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000 A000000 09/30/2017
000 C000000 0001258943
000 D000000 N
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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 C010600 6
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007 C010800 8
007 C010900 9
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008 A000001 AMUNDI PIONEER ASSET MANAGEMENT, INC.
008 B000001 A
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008 D010001 BOSTON
008 D020001 MA
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008 D040001 1820
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010 A000002 BROWN BROTHERS HARRIMAN & CO.
010 C010002 BOSTON
010 C020002 MA
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011 A000001 AMUNDI PIONEER DISTRIBUTOR, INC.
011 B000001 8-41256
PAGE 2
011 C010001 BOSTON
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011 C030001 02109
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011 A000002 UBS INVESTMENT BANK
011 B000002 8-022651

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011 C010002 STAMFORD
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011 A000003 RBC CAPITAL MARKETS CORP.
011 B000003 8-045411
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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
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011 A000005 JANNEY MONTGOMERY SCOTT, LLC
011 B000005 8-462
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011 C020005 PA
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011 C040005 1675
011 A000006 WACHOVIA CAPITAL MARKETS, LLC
011 B000006 8-99999
011 C010006 RICHMOND
011 C020006 VA
011 C030006 23219
012 A000001 DELETE
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012 B000002 85-00000
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012 C020002 NY
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012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF.)
012 B000003 85-05212
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013 A000001 ERNST & YOUNG LLP
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PAGE 3
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015 A000003 HSBC BANK AUSTRALIA LIMITED
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015 E040003 X
015 A000004 UNICREDIT BANK AUSTRIA AG
015 B000004 S
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015 B000007 S
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015 A000008 CITIBANK, N.A., SAO PAULO
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015 A000011 BANCO DE CHILE
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PAGE 4
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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 AB (PUBL), FINNISH BRANCH
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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 D010021 GREECE
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 A000025 CITIBANK, N.A., JAKARTA BRANCH
015 B000025 S
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015 B000026 S
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015 A000029 SUMITOMO MITSU BANKING CORPORATION
015 B000029 S
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015 D010029 JAPAN
015 E040029 X

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015 A000030 NORDEA BANK AB (PUBL), FINNISH BRANCH
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015 A000031 EUROCLEAR BANK SA NV
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015 E040031 X
015 A000032 HSBC BANK MIDDLE EAST LIMITED, KUWAIT BRANCH
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015 A000033 KBL EUROPEAN PRIVATE BANKERS SA
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015 D010034 MALAYSIA
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015 A000035 BANCO NACIONAL DE MEXICO, S.A. (BANAMEX)
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015 A000039 STANBIC IBTC BANK PLC
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015 E040039 X
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015 E040040 X
015 A000041 CITIBANK DEL PERU S.A.
015 B000041 S
015 C010041 LIMA
015 D010041 PERU
015 E040041 X
015 A000042 HSBC LIMITED, PHILIPPINE BRANCH

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015 B000042 S
015 C010042 TAGUIG CITY
015 D010042 PHILIPPINES
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PAGE 7
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015 C010045 ST. HELIER
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015 A000052 CITIBANK KOREA INC.
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015 C010052 SEOUL
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015 A000053 BANCO BILBAO VIZCAYA AREGENTARIA SA
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015 C010053 MADRID
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PAGE 8
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015 C010054 COLOMBO
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015 E040054 X

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015 A000055 SKANDINAVISKA ENSKILDA BANKEN AB (PUBL)
015 B000055 S
015 C010055 SOLNA
015 D010055 SWEDEN
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015 A000056 CREDIT SUISSE (SWITZERLAND) LTD.
015 B000056 S
015 C010056 ZURICH
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015 A000057 BANK OF TAIWAN
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015 C010057 TAIPEI
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015 A000058 HSBC LIMITED, THAILAND BRANCH
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015 A000059 CITIBANK ANONIM SIRKETI
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015 C010059 ISTANBUL
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015 A000060 HSBC BANK MIDDLE EAST LIMITED
015 B000060 S
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015 D010061 UNITED KINGDOM
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SIGNATURE	MARK E. BRADLEY	
TITLE	TREASURER	