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PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-B

June 26, 2015

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000 C000000 0001223026
000 D000000 N
000 E000000 NF
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000 G000000 N
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001 C000000 6177427825
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002 B000000 BOSTON
002 C000000 MA
002 D010000 02109
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008 C000001 801-8255
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010 C010002 BOSTON
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
011 B000001 8-41256
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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 ADVEST, INC.
011 B000004 8-21409
011 C010004 HARTFORD
011 C020004 CT
011 C030004 06103
011 A000005 JANNEY MONTGOMERY SCOTT, LLC
011 B000005 8-462
011 C010005 PHILADELPHIA
011 C020005 PA
011 C030005 19103
011 C040005 1675
011 A000006 MCDONALD INVESTMENTS, INC.
011 B000006 8-30177
011 C010006 CLEVELAND
011 C020006 OH
011 C030006 44114
011 C040006 2603
011 A000007 STIFEL, NICOLAUS & CO., INC.
011 B000007 8-001447
011 C010007 ST. LOUIS
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012 A000001 PIONEER INVEST. MGT. SHAREHOLDER SVCS., INC.
012 B000001 85-01359
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012 A000002 AMERICAN STOCK TRANSFER & TRUST CO. (COMMON)
012 B000002 85-00000
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012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF)
012 B000003 85-00000
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012 C020003 NY
012 C030003 10005
013 A000001 DELOITTE & TOUCHE LLP
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015 A000002 CITIBANK, N.A. BUENOS AIRES BRANCH
015 B000002 S
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015 D010002 ARGENTINA
015 E040002 X
015 A000003 HSBC BANK AUSTRALIA LIMITED
015 B000003 S

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015 C010003 SYDNEY
015 D010003 AUSTRALIA
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015 C010004 VIENNA
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015 A000006 BNP PARIBAS SECURITIES SERVICES
015 B000006 S
015 C010006 PANTIN
015 D010006 BELGIUM
015 E040006 X
015 A000007 NORDEA BANK FINLAND PLC
015 B000007 S
015 C010007 HELSINKI
015 D010007 ESTONIA
015 E040007 X
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015 B000008 S
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015 D010008 BRAZIL
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015 C010011 SANTIAGO
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015 A000012 STANDARD CHARTERED BANK (CHINA) LIMITED
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015 A000015 CITIBANK EUROPE PLC, ORGANIZACNI SLOZKA
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015 E040018 X
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015 A000021 STANDARD CHARTERED BANK GHANA LTD.
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015 A000022 HSBC BANK PLC, ATHENS BRANCH
015 B000022 S
015 C010022 ATHENS
015 D010022 GREECE
015 E040022 X
015 A000023 STANDARD CHARTERED BANK (HONG KONG) LIMITED
015 B000023 S
015 C010023 KWUN TONG
015 D010023 HONG KONG
015 E040023 X
015 A000024 CITIBANK EUROPE PLC, HUNGARIAN BRANCH OFFICE
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015 A000025 CITIBANK, N.A.-MUMBAI BRANCH
015 B000025 S
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015 A000026 CITIBANK, N.A., JAKARTA BRANCH
015 B000026 S
015 C010026 JAKARTA
015 D010026 INDONESIA
015 E040026 X
015 A000027 CITIBANK, N.A., LONDON BRANCH
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015 E040027 X
015 A000028 BANK HAPOALIM BM
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015 A000030 SUMITOMO MITSU BANKING CORPORATION
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015 A000035 HSBC BANK MALAYSIA BERHAD
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015 C010035 KUALA LUMPUR
015 D010035 MALAYSIA
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015 A000036 BANCO NACIONAL DE MEXICO, S.A. (BANAMEX)
015 B000036 S
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015 E040036 X
015 A000037 CITIBANK MAGHREB
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015 D010037 MOROCCO
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015 A000041 NORDEA BANK NORGE ASA
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015 D010041 NORWAY
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015 A000042 CITIBANK DEL PERU S.A.
015 B000042 S
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015 A000043 HSBC LIMITED, PHILIPPINE BRANCH
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015 A000044 BANK HANDLOWY W WARSZAWIE SA
015 B000044 S
015 C010044 WARSAW
015 D010044 POLAND
015 E040044 X
015 A000045 BNP PARIBAS SECURITIES SERVICES
015 B000045 S
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015 A000053 CITIBANK KOREA INC
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015 A000056 SKANDINAVISKA ENSKILDA BANKEN AB (PUB)
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 015 A000057 CREDIT SUISSE AG
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 015 C010057 ZURICH
 015 D010057 SWITZERLAND
 015 E040057 X
 015 A000058 BANK OF TAIWAN
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 015 C010058 TAIPEI
 015 D010058 TAIWAN
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 015 A000059 HSBC LIMITED, THAILAND BRANCH
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 015 C010059 BANGKOK
 015 D010059 THAILAND
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 015 C010060 ISTANBUL
 015 D010060 TURKEY
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022 A000001 J.P. MORGAN SECURITIES INC.
022 B000001 13-3379014
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022 A000003 FIRST SOUTHWEST COMPANY
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SIGNATURE MARK BRADLEY
TITLE TREASURER