

PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-B

June 28, 2016

PAGE 1
000 B000000 04/30/2016
000 C000000 0001223026
000 D000000 N
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000 I000000 6.1
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001 B000000 811-21321
001 C000000 6177427825
002 A000000 60 STATE STREET
002 B000000 BOSTON
002 C000000 MA
002 D010000 02109
003 000000 N
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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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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 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
011 C020007 MO
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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
012 C010002 BROOKLYN
012 C020002 NY
012 C030002 11219
012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF)
012 B000003 85-00000
012 C010003 NEW YORK
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 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 EUROCLEAR BANK SA NV
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015 C010006 BRUSSELS
015 D010006 BELGIUM
015 E040006 X
015 A000007 NORDEA BANK FINLAND PLC
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015 C010007 HELSINKI
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015 A000012 STANDARD CHARTERED BANK (CHINA) LIMITED
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015 C010014 VIENNA
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015 A000015 CITIBANK EUROPE PLC, ORGANIZACNI SLOZKA
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015 D010015 CZECH REPUBLIC
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015 A000016 SKANDINAVISKA ENSKILDA BANKEN AB (PUBL)DAN
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015 D010016 DENMARK
015 E040016 X
015 A000017 CITIBANK, N.A., CAIRO BRANCH
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015 D010017 EGYPT
015 E040017 X
015 A000018 NORDEA BANK FINLAND PLC
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015 E040018 X
015 A000019 BNP PARIBAS SECURITIES SERVICES
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015 C010019 PANTIN
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015 D010020 GERMANY
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015 A000021 STANDARD CHARTERED BANK GHANA LTD.
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015 C010021 ACCRA
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015 A000022 HSBC BANK PLC, ATHENS BRANCH
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015 A000023 STANDARD CHARTERED BANK (HONG KONG) LIMITED
015 B000023 S
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015 A000024 CITIBANK EUROPE PLC, HUNGARIAN BRANCH OFFICE
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015 B000025 S
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015 A000026 CITIBANK, N.A., JAKARTA BRANCH
015 B000026 S
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015 E040026 X
015 A000027 CITIBANK, N.A., LONDON BRANCH
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015 D010027 IRELAND

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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 D010035 MALAYSIA
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015 A000036 BANCO NACIONAL DE MEXICO, S.A. (BANAMEX)
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015 C010036 MEXICO CITY
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015 E040036 X
015 A000037 CITIBANK MAGHREB
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015 D010037 MOROCCO
015 E040037 X
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015 E040038 X
015 A000039 HSBC LIMITED, NEW ZEALAND BRANCH
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015 E040039 X
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015 A000041 NORDEA BANK NORGE ASA
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015 D010041 NORWAY
015 E040041 X
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PAGE 7
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015 C010044 WARSAW
015 D010044 POLAND
015 E040044 X
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015 A000054 BANCO BILBAO VIZCAYA AREGENTARIA SA
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015 C010054 MADRID
015 D010054 SPAIN
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015 A000055 HSBC, SRI LANKA BRANCH
PAGE 8
015 B000055 S
015 C010055 COLOMBO
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015 A000056 SKANDINAVISKA ENSKILDA BANKEN AB (PUB)
015 B000056 S
015 C010056 STOCKHOLM
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015 A000057 CREDIT SUISSE AG
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015 C010057 ZURICH
015 D010057 SWITZERLAND
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015 A000058 BANK OF TAIWAN
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015 A000059 HSBC LIMITED, THAILAND BRANCH
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015 E040059 X
015 A000060 CITIBANK ANONIM SIRKETI
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015 C010060 ISTANBUL
015 D010060 TURKEY
015 E040060 X
015 A000061 HSBC BANK MIDDLE EAST LIMITED
015 B000061 S
015 C010061 DUBAI
015 D010061 UNITED ARAB EMIRATES
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015 A000062 HSBC BANK PLC
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015 C010062 LONDON
015 D010062 UNITED KINGDOM
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015 C010063 CARACAS
015 D010063 VENEZUELA
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015 A000064 HSBC BANK (VIETNAM) LTD
015 B000064 S
015 C010064 HO CHI MINH CITY
015 D010064 VIETNAM
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015 A000065 STANDARD CHARTERED BANK KENYA LIMITED
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015 C010065 NAIROBI
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087 A030000 MHI
087 B010000 PREFERRED STOCK - SERIES A
087 B020000 723763207
087 C010000 PREFERRED STOCK - SERIES B
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SIGNATURE MARK BRADLEY
TITLE TREASURER