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PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-A

December 29, 2014

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000 A000000 10/31/2014
000 C000000 0001223026
000 D000000 N
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001 C000000 6177427825
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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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PAGE 2
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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
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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 C020002 NY
012 C030002 11219
012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF)
012 B000003 85-00000
012 C010003 NEW YORK
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013 A000001 DELOITTE & TOUCHE LLP
PAGE 3
013 B010001 BOSTON
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015 B000002 S
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015 D010002 ARGENTINA
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015 A000003 HSBC BANK AUSTRALIA LIMITED
015 B000003 S

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015 C010003 SYDNEY
015 D010003 AUSTRALIA
015 E040003 X
015 A000004 UNICREDIT BANK AUSTRIA AG
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015 C010006 PANTIN
015 D010006 BELGIUM
015 E040006 X
015 A000007 NORDEA BANK FINLAND PLC
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015 C010007 HELSINKI
015 D010007 ESTONIA
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015 A000015 CITIBANK EUROPE PLC, ORGANIZACNI SLOZKA
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015 D010015 CZECH REPUBLIC
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015 A000027 CITIBANK, N.A., LONDON BRANCH
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015 D010027 IRELAND

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015 E040027 X
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 015 D010034 LUXEMBOURG
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 015 C010035 KUALA LUMPUR
 015 D010035 MALAYSIA
 015 E040035 X
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 015 C010037 CASABLANCA
 015 D010037 MOROCCO
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015 A000040 STANBIC IBTC BANK PLC
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PAGE 7
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015 C010044 WARSAW
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015 D010048 RUSSIA
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015 A000049 HSBC SAUDI ARABIA LIMITED
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015 A000052 STANDARD BANK OF SOUTH AFRICA LIMITED
015 B000052 S
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015 A000053 CITIBANK KOREA INC
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015 C010054 MADRID
015 D010054 SPAIN
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015 C010056 STOCKHOLM
015 D010056 SWEDEN
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PAGE 9
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 PAGE 14

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088 B000000 N

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SIGNATURE MARK BRADLEY

TITLE TREASURER