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PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-A/A

March 06, 2013

PAGE 1  
000 A000000 10/31/2012  
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010 A000002 BROWN BROTHERS HARRIMAN & CO.  
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.  
011 B000001 8-41256  
PAGE 2  
011 C010001 BOSTON  
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011 C040001 1820  
011 A000002 UBS INVESTMENT BANK  
011 B000002 8-022651

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011 C010002 STAMFORD  
011 C020002 CT  
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011 A000003 RBC CAPITAL MARKETS CORP.  
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011 C010003 MINNEAPOLIS  
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011 C030003 55402  
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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  
011 C030007 63102  
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  
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012 C030003 10005  
013 A000001 ERNST & YOUNG LLP  
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020 A000001 SANFORD C. BERNSTEIN & CO., INC.  
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020 A000002 UBS SECURITIES  
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020 C000002 1  
020 A000003 MERRILL LYNCH, PIERCE, FENNER & SMITH  
020 B000003 13-5674085  
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022 A000002 CITIGROUP GLOBAL MARKETS, INC.  
022 B000002 11-2418191  
022 C000002 7475  
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022 A000003 MORGAN KEEGAN & CO., INC.  
022 B000003 64-0474907  
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022 A000004 PERSHING LLC  
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022 A000005 OPPENHEIMER & CO., INC.  
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PAGE 7

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070 P010000 Y

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070 P020000 N

070 Q010000 N

070 Q020000 N

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| SIGNATURE   | MARK BRADLEY |
| TITLE       | TREASURER    |