

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-A

November 27, 2013

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000 A000000 09/30/2013
000 C000000 0001258943
000 D000000 N
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002 A000000 60 STATE STREET
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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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011 C040001 1820
011 A000002 UBS INVESTMENT BANK
011 B000002 8-022651
011 C010002 STAMFORD
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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
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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
011 C010005 PHILADELPHIA
011 C020005 PA
011 C030005 19103
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011 A000006 WACHOVIA CAPITAL MARKETS, LLC
011 B000006 8-99999
011 C010006 RICHMOND
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012 A000001 PIONEER INVEST. MGMT. SHAREHOLDER SERV. 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 85-05212
012 C010003 NEW YORK
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013 A000001 ERNST & YOUNG, LLP
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015 A000007 BNP PARIBAS SECURITIES SERVICES
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015 C010007 PANTIN
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015 A000016 CITIBANK, N.A., CAIRO BRANCH
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015 C010016 CAIRO
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015 D010027 ISRAEL
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015 C010028 MILAN

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015 D010028 ITALY
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015 A000031 CFC STANBIC BANK LIMITED
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015 D010036 MOROCCO
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015 D010045 QATAR
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015 A000046 ING BANK N.V., BUCHAREST BRANCH
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015 D010047 RUSSIA
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SIGNATURE	MARK E. BRADLEY	
TITLE	TREASURER	