

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-A

November 29, 2016

PAGE 1
000 A000000 09/30/2016
000 C000000 0001258943
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000 I000000 6.1
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002 A000000 60 STATE STREET
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002 C000000 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
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011 C030001 02109
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011 A000002 UBS INVESTMENT BANK
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011 C010002 STAMFORD
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011 C030002 06901
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011 C010003 MINNEAPOLIS
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011 B000004 8-7221
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011 A000005 JANNEY MONTGOMERY SCOTT, LLC
011 B000005 8-462
011 C010005 PHILADELPHIA
011 C020005 PA
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011 A000006 WACHOVIA CAPITAL MARKETS, LLC
011 B000006 8-99999
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011 C020006 VA
011 C030006 23219
012 A000001 PIONEER INVEST. MGMT. SHAREHOLDER SERV. INC.
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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
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013 A000001 DELOITTE & TOUCHE LLP
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015 D010003 AUSTRALIA
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015 A000004 UNICREDIT BANK AUSTRIA AG
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015 C010004 VIENNA
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015 C010007 PANTIN
015 D010007 BELGIUM
015 E040007 X
015 A000008 CITIBANK, N.A., SAO PAULO
015 B000008 S
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015 C010017 HELSINKI
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015 A000029 SUMITOMO MITSU BANKING CORPORATION
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015 D010029 JAPAN
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015 A000041 CITIBANK DEL PERU S.A.
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015 E040041 X
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015 A000053 BANCO BILBAO VIZCAYA AREGENTARIA SA
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015 C010053 MADRID
015 D010053 SPAIN
PAGE 8
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015 D010054 SRI LANKA
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PAGE 13

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PAGE 14

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071 B000000 18858

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SIGNATURE	MARK E. BRADLEY	
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