

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-A

November 28, 2008

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000 A000000 09/30/2008
000 C000000 1258943
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000 I000000 6.1
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001 B000000 811-21409
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
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PAGE 2
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011 A000002 UBS INVESTMENT BANK
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011 C010002 STAMFORD

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011 C020002 CT
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011 A000004 MERRILL LYNCH & CO.
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011 A000005 JANNEY MONTGOMERY SCOTT, LLC
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011 C020005 PA
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011 A000006 WACHOVIA CAPITAL MARKETS, LLC
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011 C020006 VA
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012 A000002 AMERICAN STOCK TRANSFER & TRUST CO.
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012 B000003 85-00000
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013 A000001 ERNST & YOUNG, LLP
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015 A000001 BROWN BROTHERS HARRIMAN & CO.
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SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	