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PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-A

December 27, 2007

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000 A000000 10/31/2007
000 C000000 0001223026
000 D000000 N
000 E000000 NF
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
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PAGE 2
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011 C010002 STAMFORD
011 C020002 CT

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011 A000005 JANNEY MONTGOMERY SCOTT, LLC
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011 A000006 MCDONALD INVESTMENTS, INC.
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011 A000007 STIFEL, NICOLAUS & COMPANY, INC.
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012 A000001 PIONEER INVESTMENT MGT. SHAREHOLDER SERVICES
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013 A000001 ERNST & YOUNG LLP
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SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	