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PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-A

December 27, 2007

PAGE 1  
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002 A000000 60 STATE STREET  
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010 A000002 PRINCETON ADMINISTRATORS, LLC  
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011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.  
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011 C020001 MA  
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011 A000002 UBS WARBURG  
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011 C010002 STAMFORD  
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011 C030002 06901  
011 A000003 RBC CAPITAL MARKETS  
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011 C010003 MINNEAPOLIS  
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011 A000004 ADVEST, INC.  
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011 A000005 JANNEY MONTGOMERY SCOTT, LLC  
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011 C010005 PHILADELPHIA  
011 C020005 PA  
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011 C020006 OH  
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011 A000007 STIFEL, NICOLAUS & COMPANY, INC.  
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011 C010007 ST. LOUIS  
011 C020007 MO  
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012 A000001 PIONEER INVESTMENT MGT. SHAREHOLDER SERVICES  
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012 B000002 85-00000  
012 C010002 BROOKLYN  
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012 A000003 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF.)  
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013 A000001 ERNST & YOUNG LLP  
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013 B010001 BOSTON  
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022 A000004 UBS SECURITIES, LLC  
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087	C020000	723763306
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SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	