

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-A

December 30, 2011

PAGE 1  
000 A000000 10/31/2011  
000 C000000 1223026  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
001 A000000 PIONEER MUNICIPAL HIGH INCOME TRUST  
001 B000000 811-21321  
001 C000000 6177427825  
002 A000000 60 STATE STREET  
002 B000000 BOSTON  
002 C000000 MA  
002 D010000 02109  
003 000000 N  
004 000000 N  
005 000000 N  
006 000000 N  
007 A000000 N  
007 B000000 0  
007 C010100 1  
008 A000001 PIONEER INVESTMENT MANAGEMENT, INC.  
008 B000001 A  
008 C000001 801-8255  
008 D010001 BOSTON  
008 D020001 MA  
008 D030001 02109  
010 A000001 PIONEER INVESTMENT MANAGEMENT, INC.  
010 B000001 801-8255  
010 C010001 BOSTON  
010 C020001 MA  
010 C030001 02109  
010 A000002 STATE STREET BANK & TRUST COMPANY  
010 C010002 BOSTON  
010 C020002 MA  
010 C030002 02101  
011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.  
011 B000001 8-41256  
011 C010001 BOSTON  
011 C020001 MA  
011 C030001 02109  
011 C040001 1820  
011 A000002 UBS INVESTMENT BANK  
011 B000002 8-022651  
011 C010002 STAMFORD  
011 C020002 CT  
011 C030002 06901  
011 A000003 RBC CAPITAL MARKETS CORP.  
011 B000003 8-045411  
PAGE 2  
011 C010003 MINNEAPOLIS  
011 C020003 MN  
011 C030003 55402  
011 C040003 4422  
011 A000004 ADVEST, INC.  
011 B000004 8-21409

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

011 C010004 HARTFORD  
011 C020004 CT  
011 C030004 06103  
011 A000005 JANNEY MONTGOMERY SCOTT, LLC  
011 B000005 8-462  
011 C010005 PHILADELPHIA  
011 C020005 PA  
011 C030005 19103  
011 C040005 1675  
011 A000006 MCDONALD INVESTMENTS, INC.  
011 B000006 8-30177  
011 C010006 CLEVELAND  
011 C020006 OH  
011 C030006 44114  
011 C040006 2603  
011 A000007 STIFEL, NICOLAUS & CO., INC.  
011 B000007 8-001447  
011 C010007 ST. LOUIS  
011 C020007 MO  
011 C030007 63102  
012 A000001 PIONEER INVEST. MGT. SHAREHOLDER SVCS., INC.  
012 B000001 85-01359  
012 C010001 BOSTON  
012 C020001 MA  
012 C030001 02109  
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 85-00000  
012 C010003 NEW YORK  
012 C020003 NY  
012 C030003 10005  
013 A000001 ERNST & YOUNG LLP  
013 B010001 BOSTON  
013 B020001 MA  
013 B030001 02116  
013 B040001 5072  
015 A000001 BROWN BROTHERS HARRIMAN & CO.  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
015 C030001 02109  
PAGE 3  
015 E010001 X  
018 000000 Y  
019 A000000 Y  
019 B000000 55  
019 C000000 PIONEERFDS  
021 000000 0  
022 A000001 DEUTSCHE BANK  
022 B000001 13-2730828  
022 C000001 20222  
022 D000001 303  
022 A000002 SOCIETE GENERALE  
022 C000002 16250  
022 D000002 0  
022 A000003 MORGAN STANLEY & CO., INC.  
022 B000003 13-2655998  
022 C000003 4919

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

022	D000003	418
022	A000004	GOLDMAN SACHS & CO.
022	B000004	13-5108880
022	C000004	4237
022	D000004	252
022	A000005	AON SECURITIES
022	C000005	2000
022	D000005	1505
022	A000006	J.P. MORGAN SECURITIES INC.
022	B000006	13-3299429
022	C000006	2162
022	D000006	965
022	A000007	CITIGROUP GLOBAL MARKETS, INC.
022	B000007	11-2418191
022	C000007	2568
022	D000007	0
022	A000008	MMC SECURITIES CORP
022	C000008	1000
022	D000008	0
022	A000009	GENERAL ELECTRIC CAPITAL
022	C000009	983
022	D000009	0
022	A000010	CREDIT SUISSE AG
022	C000010	843
022	D000010	0
023	C000000	57510
023	D000000	4631
024	000000	N
026	A000000	N
026	B000000	Y
026	C000000	N
026	D000000	Y
026	E000000	N
026	F000000	N
026	G010000	N
	PAGE	4
026	G020000	N
026	H000000	N
027	000000	N
028	A010000	0
028	A020000	0
028	A030000	0
028	A040000	0
028	B010000	0
028	B020000	0
028	B030000	0
028	B040000	0
028	C010000	0
028	C020000	0
028	C030000	0
028	C040000	0
028	D010000	0
028	D020000	0
028	D030000	0
028	D040000	0
028	E010000	0
028	E020000	0
028	E030000	0
028	E040000	0
028	F010000	0
028	F020000	0
028	F030000	0

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

028	F040000	0
028	G010000	0
028	G020000	0
028	G030000	0
028	G040000	0
028	H000000	0
030	A000000	0
030	B000000	0.00
030	C000000	0.00
031	A000000	0
031	B000000	0
032	000000	0
033	000000	0
035	000000	0
036	B000000	0
038	000000	0
042	A000000	0
042	B000000	0
042	C000000	0
042	D000000	0
042	E000000	0
042	F000000	0
042	G000000	0
042	H000000	0
043	000000	0
	PAGE 5	
044	000000	0
045	000000	Y
046	000000	N
047	000000	Y
048	000000	0.600
048	A010000	0
048	A020000	0.000
048	B010000	0
048	B020000	0.000
048	C010000	0
048	C020000	0.000
048	D010000	0
048	D020000	0.000
048	E010000	0
048	E020000	0.000
048	F010000	0
048	F020000	0.000
048	G010000	0
048	G020000	0.000
048	H010000	0
048	H020000	0.000
048	I010000	0
048	I020000	0.000
048	J010000	0
048	J020000	0.000
048	K010000	0
048	K020000	0.000
049	000000	N
050	000000	N
051	000000	N
052	000000	N
053	A000000	N
054	A000000	Y
054	B000000	Y
054	C000000	Y
054	D000000	N

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

054 E000000 N  
 054 F000000 N  
 054 G000000 N  
 054 H000000 Y  
 054 I000000 N  
 054 J000000 Y  
 054 K000000 N  
 054 L000000 N  
 054 M000000 Y  
 054 N000000 N  
 054 O000000 N  
 055 A000000 N  
 055 B000000 N  
 056 000000 Y  
 057 000000 N  
     PAGE 6  
 058 A000000 N  
 059 000000 Y  
 060 A000000 Y  
 060 B000000 Y  
 061 000000 0  
 062 A000000 Y  
 062 B000000 0.0  
 062 C000000 0.0  
 062 D000000 0.0  
 062 E000000 0.0  
 062 F000000 0.0  
 062 G000000 0.0  
 062 H000000 0.0  
 062 I000000 0.0  
 062 J000000 0.0  
 062 K000000 0.0  
 062 L000000 0.0  
 062 M000000 0.0  
 062 N000000 0.0  
 062 O000000 129.5  
 062 P000000 0.0  
 062 Q000000 0.0  
 062 R000000 0.7  
 063 A000000 0  
 063 B000000 11.0  
 064 A000000 Y  
 064 B000000 Y  
 065 000000 N  
 066 A000000 N  
 067 000000 N  
 068 A000000 N  
 068 B000000 N  
 069 000000 N  
 070 A010000 Y  
 070 A020000 N  
 070 B010000 N  
 070 B020000 N  
 070 C010000 Y  
 070 C020000 N  
 070 D010000 N  
 070 D020000 N  
 070 E010000 Y  
 070 E020000 N  
 070 F010000 N  
 070 F020000 N  
 070 G010000 Y

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

070	G020000	N	
070	H010000	N	
070	H020000	N	
070	I010000	N	
070	I020000	N	
	PAGE	7	
070	J010000	Y	
070	J020000	Y	
070	K010000	Y	
070	K020000	N	
070	L010000	N	
070	L020000	N	
070	M010000	N	
070	M020000	N	
070	N010000	N	
070	N020000	N	
070	O010000	Y	
070	O020000	N	
070	P010000	Y	
070	P020000	N	
070	Q010000	N	
070	Q020000	N	
070	R010000	N	
070	R020000	N	
071	A000000		24463
071	B000000		21757
071	C000000		399026
071	D000000		5
072	A000000	6	
072	B000000		14551
072	C000000		0
072	D000000		0
072	E000000		0
072	F000000		1223
072	G000000		143
072	H000000		0
072	I000000		7
072	J000000		53
072	K000000		0
072	L000000		22
072	M000000		6
072	N000000		10
072	O000000		0
072	P000000		0
072	Q000000		0
072	R000000		27
072	S000000		20
072	T000000		0
072	U000000		0
072	V000000		0
072	W000000		189
072	X000000		1700
072	Y000000		0
072	Z000000		12851
072AA	000000		1445
072BB	000000		0
072CC	010000		14357
	PAGE	8	
072CC	020000		0
072DD	010000		12775
072DD	020000		0
072EE	000000		0

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

073	A010000	0.5700
073	A020000	0.0000
073	B000000	0.0000
073	C000000	0.0000
074	A000000	1607
074	B000000	0
074	C000000	0
074	D000000	398615
074	E000000	0
074	F000000	2139
074	G000000	0
074	H000000	0
074	I000000	0
074	J000000	65
074	K000000	0
074	L000000	9574
074	M000000	168
074	N000000	412168
074	O000000	2966
074	P000000	309
074	Q000000	0
074	R010000	0
074	R020000	0
074	R030000	0
074	R040000	140
074	S000000	101004
074	T000000	307749
074	U010000	22451
074	U020000	0
074	V010000	13.71
074	V020000	0.00
074	W000000	0.0000
074	X000000	9482
074	Y000000	0
075	A000000	0
075	B000000	305346
076	000000	14.36
077	A000000	N
078	000000	N
080	C000000	0
081	B000000	0
082	B000000	0
083	B000000	0
084	B000000	0
086	A010000	69
086	A020000	941
086	B010000	0
	PAGE	9
086	B020000	0
086	C010000	0
086	C020000	0
086	D010000	0
086	D020000	0
086	E010000	0
086	E020000	0
086	F010000	0
086	F020000	0
087	A010000	COMMON STOCK
087	A020000	723763108
087	A030000	MHI
087	B010000	PREFERRED STOCK - SERIES A
087	B020000	723763207

Edgar Filing: PIONEER MUNICIPAL HIGH INCOME TRUST - Form NSAR-A

087 C010000 PREFERRED STOCK - SERIES B  
087 C020000 723763306  
088 A000000 N  
088 B000000 N  
088 C000000 N  
088 D000000 Y  
SIGNATURE MARK E. BRADLEY  
TITLE TREASURER