

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

PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-B

June 27, 2005

PAGE 1
000 B000000 04/30/2005
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
007 C010200 2
007 C010300 3
007 C010400 4
007 C010500 5
007 C010600 6
007 C010700 7
007 C010800 8
007 C010900 9
007 C011000 10
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 PRINCETON ADMINISTRATORS, L.P.
010 C010002 PRINCETON
010 C020002 NJ
010 C030002 08543
010 C040002 9095
011 A000001 PIONEER FUNDS DISTRIBUTOR, INC.
011 B000001 8-12345678
011 C010001 BOSTON
PAGE 2
011 C020001 MA
011 C030001 02109
011 A000002 UBS WARBURG
011 B000002 8-022651
011 C010002 STAMFORD
011 C020002 CT

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

011 C030002 06901
 011 A000003 RBC CAPITAL MARKETS
 011 B000003 8-045411
 011 C010003 MINNEAPOLIS
 011 C020003 MN
 011 C030003 55402
 011 C040003 4422
 011 A000004 ADVEST, INC.
 011 B000004 8-21409
 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 & COMPANY INCORPORATED
 011 B000007 8-001447
 011 C010007 ST. LOUIS
 011 C020007 MO
 011 C030007 63102
 012 A000001 PIONEER INV. MGMT. SHAREHOLDER SERVICES, INC.
 012 B000001 85-00000
 012 C010001 BOSTON
 012 C020001 MA
 012 C030001 02109
 012 A000002 MELLON INVESTOR SERVICES LLC (COMMON)
 012 B000002 85-00000
 012 C010002 RIDGEFIELD PARK
 012 C020002 NJ
 012 C030002 07660
 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
 PAGE 3
 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
 015 E010001 X
 018 000000 Y
 019 A000000 Y
 019 B000000 81
 019 C000000 PIONEERFDS
 020 C000001 0
 020 C000002 0

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

020	C000003	0
020	C000004	0
020	C000005	0
020	C000006	0
020	C000007	0
020	C000008	0
020	C000009	0
020	C000010	0
021	000000	0
022	A000001	BLACKROCK INC.
022	B000001	13-3806694
022	C000001	1135600
022	D000001	0
022	A000002	LEHMAN BROTHERS INC.
022	B000002	13-2518466
022	C000002	46312
022	D000002	32972
022	A000003	WACHOVIA SECURITIES, LLC
022	B000003	54-0796506
022	C000003	25723
022	D000003	22754
022	A000004	CITIGROUP GLOBAL MARKETS INC.
022	B000004	11-2418191
022	C000004	5288
022	D000004	15627
022	A000005	CORBY CAPITAL MARKETS, INC.
022	B000005	52-1037969
022	C000005	8724
022	D000005	10503
022	A000006	MAXCOR FINANCIAL GROUP INC.
022	C000006	6030
022	D000006	6704
022	A000007	RAYMOND JAMES & ASSOCIATES, INC.
022	B000007	59-1237041
022	C000007	993
	PAGE	4
022	D000007	3852
022	A000008	ADVEST, INC.
022	B000008	06-0950348
022	C000008	3421
022	D000008	0
022	A000009	RBC DAIN RAUSCHER INC.
022	B000009	41-0212020
022	C000009	2393
022	D000009	0
022	A000010	UBS SECURITIES LLC
022	B000010	13-3873456
022	C000010	2243
022	D000010	0
023	C000000	1242030
023	D000000	96885
024	000000	N
026	A000000	N
026	B000000	Y
026	C000000	N
026	D000000	Y
026	E000000	N
026	F000000	N
026	G010000	N
026	G020000	N
027	000000	N
045	000000	Y

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

046	000000	N	
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	
	PAGE	5	
050	000000	N	
051	000000	N	
052	000000	N	
053	A000000	N	
054	A000000	Y	
054	B000000	Y	
054	C000000	Y	
054	D000000	N	
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	
055	A000000	Y	
055	B000000	N	
056	000000	Y	
057	000000	N	
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	

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

062	J000000	0.0
062	K000000	0.0
062	L000000	0.0
062	M000000	0.0
062	N000000	0.0
062	O000000	125.6
062	P000000	0.0
062	Q000000	0.0
062	R000000	1.3
063	A000000	0
063	B000000	23.5
064	A000000	Y
064	B000000	Y
065	000000	N
066	A000000	N
	PAGE	6
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
070	G020000	N
070	H010000	N
070	H020000	N
070	I010000	N
070	I020000	N
070	J010000	N
070	J020000	N
070	K010000	Y
070	K020000	Y
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	106430
071	B000000	111957
071	C000000	420899
071	D000000	25
072	A000000	12
072	B000000	28608

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

072	C000000	0
072	D000000	0
072	E000000	0
072	F000000	2593
072	G000000	355

PAGE 7

072	H000000	0
072	I000000	321
072	J000000	18
072	K000000	0
072	L000000	19
072	M000000	11
072	N000000	24
072	O000000	0
072	P000000	0
072	Q000000	0
072	R000000	38
072	S000000	10
072	T000000	0
072	U000000	0
072	V000000	0
072	W000000	41
072	X000000	3430
072	Y000000	0
072	Z000000	25178
072AA	000000	259
072BB	000000	0
072CC	010000	20621
072CC	020000	0
072DD	010000	23669
072DD	020000	0
072EE	000000	2012
073	A010000	1.0700
073	A020000	0.0000
073	B000000	0.0910
073	C000000	0.0000
074	A000000	7
074	B000000	0
074	C000000	0
074	D000000	434070
074	E000000	0
074	F000000	0
074	G000000	0
074	H000000	0
074	I000000	4416
074	J000000	337
074	K000000	0
074	L000000	9010
074	M000000	849
074	N000000	448689
074	O000000	0
074	P000000	233
074	Q000000	0
074	R010000	0
074	R020000	0
074	R030000	0
074	R040000	1901

PAGE 8

074	S000000	101000
074	T000000	345555
074	U010000	22121
074	U020000	0

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

074	V010000	15.62
074	V020000	0.00
074	W000000	0.0000
074	X000000	10458
074	Y000000	0
075	A000000	0
075	B000000	331112
076	000000	14.33
077	A000000	Y
077	B000000	Y
078	000000	N
080	A000000	ICI MUTUAL INSURANCE CO.
080	C000000	46000
081	A000000	Y
081	B000000	60
082	A000000	N
082	B000000	0
083	A000000	N
083	B000000	0
084	A000000	N
084	B000000	0
085	A000000	Y
085	B000000	N
086	A010000	0
086	A020000	0
086	B010000	0
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
087	C010000	PREFERRED STOCK - SERIES B
087	C020000	723763306
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
	PAGE	9
SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	