

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

PIONEER MUNICIPAL HIGH INCOME TRUST

Form NSAR-B

June 27, 2006

PAGE 1
000 B000000 04/30/2006
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 91
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	1285891
022	D000001	0
022	A000002	LEHMAN BROTHERS INC.
022	B000002	13-2518466
022	C000002	57783
022	D000002	28578
022	A000003	WACHOVIA SECURITIES, LLC
022	B000003	54-0796506
022	C000003	5559
022	D000003	31219
022	A000004	UBS SECURITIES LLC
022	B000004	13-3873456
022	C000004	10599
022	D000004	2065
022	A000005	HERBERT J. SIMS & CO., INC.
022	B000005	13-5213180
022	C000005	8922
022	D000005	0
022	A000006	CORBY CAPITAL MARKETS, INC.
022	B000006	52-1037969
022	C000006	0
022	D000006	8478
022	A000007	CITIGROUP GLOBAL MARKETS INC.
022	B000007	11-2418191
	PAGE	4
022	C000007	2569
022	D000007	2240
022	A000008	PIPER JAFFRAY & CO.
022	B000008	41-0953246
022	C000008	4000
022	D000008	0
022	A000009	STERNE, AGEE & LEACH, INC.
022	B000009	63-0463600
022	C000009	464
022	D000009	0
022	A000010	RAYMOND JAMES & ASSOCIATES, INC.
022	B000010	59-1237041
022	C000010	19
022	D000010	0
023	C000000	1375804
023	D000000	72580
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

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

045 000000 Y
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
PAGE 5
049 000000 N
050 000000 N
051 000000 N
052 000000 N
053 A000000 Y
053 B000000 Y
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

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

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	128.2
062	P000000	0.0
062	Q000000	0.0
062	R000000	0.0
063	A000000	0
063	B000000	22.8
064	A000000	Y
064	B000000	Y
	PAGE	6
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
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	89914
071	B000000	84621
071	C000000	428308
071	D000000	20

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

072 A000000 12
 072 B000000 25998
 072 C000000 0
 072 D000000 0
 072 E000000 0

PAGE 7

072 F000000 2639
 072 G000000 342
 072 H000000 0
 072 I000000 320
 072 J000000 30
 072 K000000 0
 072 L000000 23
 072 M000000 13
 072 N000000 24
 072 O000000 0
 072 P000000 0
 072 Q000000 0
 072 R000000 42
 072 S000000 15
 072 T000000 0
 072 U000000 0
 072 V000000 0
 072 W000000 46
 072 X000000 3494
 072 Y000000 0
 072 Z000000 22504
 072AA000000 0
 072BB000000 12990
 072CC010000 2490
 072CC020000 0
 072DD010000 19732
 072DD020000 0
 072EE000000 0
 073 A010000 0.8920
 073 A020000 0.0000
 073 B000000 0.0000
 073 C000000 0.0000
 074 A000000 0
 074 B000000 0
 074 C000000 0
 074 D000000 429708
 074 E000000 0
 074 F000000 0
 074 G000000 0
 074 H000000 0
 074 I000000 6
 074 J000000 0
 074 K000000 0
 074 L000000 7854
 074 M000000 1391
 074 N000000 438959
 074 O000000 0
 074 P000000 215
 074 Q000000 0
 074 R010000 0
 074 R020000 0

PAGE 8

074 R030000 0
 074 R040000 2577
 074 S000000 101046
 074 T000000 335121

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

074	U010000	22121
074	U020000	0
074	V010000	15.15
074	V020000	0.00
074	W000000	0.0000
074	X000000	8218
074	Y000000	0
075	A000000	0
075	B000000	338779
076	000000	13.22
077	A000000	Y
077	B000000	Y
078	000000	N
080	A000000	ICI MUTUAL INSURANCE CO.
080	C000000	60000
081	A000000	Y
081	B000000	91
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
	PAGE	9
088	D000000	Y
SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	