

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

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-A

November 22, 2006

PAGE 1
000 A000000 09/30/2006
000 C000000 1258943
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 ADVANTAGE TRUST
001 B000000 811-21409
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, LLC
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 00000
011 A000002 UBS WARBURG
011 B000002 8-022651
011 C010002 STAMFORD
011 C020002 CT

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

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 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
 011 B000004 8-7221
 011 C010004 NEW YORK
 011 C020004 NY
 011 C030004 10281
 011 C040004 1201
 011 A000005 JANNEY MONTGOMERY SCOTT LLC
 011 B000005 8-462
 011 C010005 PHILADELPHIA
 011 C020005 PA
 011 C030005 19103
 011 C040005 1675
 011 A000006 WACHOVIA CAPITAL MARKETS, LLC
 011 B000006 8-99999
 011 C010006 RICHMOND
 011 C020006 VA
 011 C030006 23219
 012 A000001 PIONEER INV. MGMT. SHAREHOLDER SERVICES, INC.
 012 B000001 85-00000
 012 C010001 BOSTON
 012 C020001 MA
 012 C030001 02109
 012 A000002 AMERICAN STOCK TRANSFER & TRUST COMPANY
 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 CITY
 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.

PAGE 3

015 B000001 C
 015 C010001 BOSTON
 015 C020001 MA
 015 C030001 02109
 015 E010001 X
 018 000000 Y
 019 A000000 Y
 019 B000000 89
 019 C000000 PIONEERFDS
 020 C000001 0
 020 C000002 0
 020 C000003 0
 020 C000004 0
 020 C000005 0
 020 C000006 0
 020 C000007 0

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

020	C000008	0
020	C000009	0
020	C000010	0
021	000000	0
022	A000001	BLACKROCK INC.
022	B000001	13-3806694
022	C000001	543031
022	D000001	0
022	A000002	UBS FINANCIAL SERVICES INC.
022	B000002	13-2638166
022	C000002	10450
022	D000002	7173
022	A000003	LEHMAN BROTHERS INC.
022	B000003	13-2518466
022	C000003	10168
022	D000003	7200
022	A000004	WACHOVIA SECURITIES, LLC
022	B000004	54-0796506
022	C000004	6784
022	D000004	2612
022	A000005	CORBY CAPITAL MARKETS, INC.
022	B000005	52-1037969
022	C000005	0
022	D000005	5952
022	A000006	CITIGROUP GLOBAL MARKETS INC.
022	B000006	11-2418191
022	C000006	0
022	D000006	5487
022	A000007	HERBERT J. SIMS & CO., INC.
022	B000007	13-5213180
022	C000007	4928
022	D000007	241
022	A000008	B.C. ZIEGLER AND COMPANY
022	B000008	39-0727640
022	C000008	3957
	PAGE	4
022	D000008	1160
022	A000009	J. GIORDANO SECURITIES GROUP
022	C000009	3398
022	D000009	0
022	A000010	UBS SECURITIES LLC
022	B000010	13-3873456
022	C000010	0
022	D000010	1804
023	C000000	584663
023	D000000	32386
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
026	H000000	N
027	000000	N
045	000000	Y
046	000000	N
047	000000	Y
048	000000	0.600
048	A010000	0

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

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	
	PAGE	5	
053	A000000	Y	
053	B000000	Y	
053	C000000	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	
054	O000000	N	
055	A000000	N	
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 ADVANTAGE TRUST - Form NSAR-A

062	J000000	0.0
062	K000000	0.0
062	L000000	0.0
062	M000000	0.0
062	N000000	0.0
062	O000000	138.3
062	P000000	0.0
062	Q000000	0.0
062	R000000	0.5
063	A000000	0
063	B000000	21.9
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	41632
071	B000000	32276
071	C000000	485216
071	D000000	7
072	A000000	6
072	B000000	15241

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

072 C000000	0
072 D000000	0
072 E000000	0
072 F000000	1491
072 G000000	236

PAGE 7

072 H000000	0
072 I000000	218
072 J000000	12
072 K000000	0
072 L000000	9
072 M000000	6
072 N000000	12
072 O000000	0
072 P000000	0
072 Q000000	0
072 R000000	29
072 S000000	7
072 T000000	0
072 U000000	0
072 V000000	0
072 W000000	25
072 X000000	2045
072 Y000000	45
072 Z000000	13241
072AA000000	0
072BB000000	1687
072CC010000	14421
072CC020000	0
072DD010000	10006
072DD020000	0
072EE000000	0
073 A010000	0.4400
073 A020000	0.0000
073 B000000	0.0000
073 C000000	0.0000
074 A000000	80
074 B000000	0
074 C000000	0
074 D000000	491801
074 E000000	0
074 F000000	0
074 G000000	0
074 H000000	0
074 I000000	1651
074 J000000	1647
074 K000000	0
074 L000000	9356
074 M000000	1449
074 N000000	505984
074 O000000	121
074 P000000	251
074 Q000000	0
074 R010000	0
074 R020000	0
074 R030000	0
074 R040000	126

PAGE 8

074 S000000	150079
074 T000000	355407
074 U010000	22741
074 U020000	0

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

074	V010000	15.63
074	V020000	0.00
074	W000000	0.0000
074	X000000	6268
074	Y000000	0
075	A000000	0
075	B000000	345459
076	000000	14.99
077	A000000	N
078	000000	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	723762100
087	A030000	MAV
087	B010000	PREFERRED STOCK - SERIES A
087	B020000	723762209
087	C010000	PREFERRED STOCK - SERIES B
087	C020000	723762308
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	Y
SIGNATURE		MARY KELLERMANN
TITLE		ACCOUNTING MANAGER