

PIONEER MUNICIPAL HIGH INCOME ADVANTAGE TRUST

Form NSAR-B

May 30, 2018

PAGE 1
000 B000000 03/31/2018
000 C000000 0001258943
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 AMUNDI PIONEER ASSET MANAGEMENT, INC.
008 B000001 A
008 C000001 801-8255
008 D010001 BOSTON
008 D020001 MA
008 D030001 02109
008 D040001 1820
010 A000001 AMUNDI PIONEER ASSET MANAGEMENT, INC.
010 B000001 801-8255
010 C010001 BOSTON
010 C020001 MA
010 C030001 02109
010 C040001 1820
010 A000002 BROWN BROTHERS HARRIMAN & CO.
010 B000002 812-13314
010 C010002 BOSTON
010 C020002 MA
010 C030002 02110
011 A000001 AMUNDI PIONEER DISTRIBUTOR, INC.
PAGE 2
011 B000001 8-41256
011 C010001 BOSTON
011 C020001 MA
011 C030001 02109
011 C040001 1820
011 A000002 UBS INVESTMENT BANK

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

011 B000002 8-022651
011 C010002 STAMFORD
011 C020002 CT
011 C030002 06901
011 A000003 RBC CAPITAL MARKETS CORP.
011 B000003 8-045411
011 C010003 MINNEAPOLIS
011 C020003 MN
011 C030003 55402
011 C040003 4422
011 A000004 MERRILL LYNCH & CO.
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 AMERICAN STOCK TRANSFER & TRUST CO. (COMMON)
012 B000001 85-0000
012 C010001 BROOKLYN
012 C020001 NY
012 C030001 11219
012 A000002 DEUTSCHE BANK TRUST COMPANY AMERICAS (PREF.)
012 B000002 85-05212
012 C010002 NEW YORK
012 C020002 NY
012 C030002 10005
013 A000001 ERNST & YOUNG LLP
013 B010001 BOSTON
013 B020001 MA
013 B030001 02116
015 A000001 BROWN BROTHERS HARRIMAN & CO.
015 B000001 C
015 C010001 BOSTON
015 C020001 MA
PAGE 3
015 C030001 02110
015 E010001 X
018 000000 Y
019 A000000 Y
019 B000000 42
019 C000000 PIONEERFDS
020 C000001 0
020 C000002 0
020 C000003 0
020 C000004 0
020 C000005 0
020 C000006 0
020 C000007 0
020 C000008 0
020 C000009 0
020 C000010 0

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

021 000000 0
022 A000001 J.P. MORGAN SECURITIES LLC
022 B000001 13-3299429
022 C000001 30713
022 D000001 16531
022 A000002 MORGAN STANLEY & CO. LLC
022 B000002 13-2655998
022 C000002 10018
022 D000002 9345
022 A000003 CITIGROUP GLOBAL MARKETS INC
022 B000003 11-2418191
022 C000003 6376
022 D000003 7878
022 A000004 BROWN BROTHERS HARRIMAN & CO
022 B000004 13-4973745
022 C000004 12003
022 D000004 0
022 A000005 ALEXANDER J. SECURITIES
022 B000005 00-0000000
022 C000005 6103
022 D000005 2356
022 A000006 JEFFERIES LLC
022 B000006 95-2622900
022 C000006 7095
022 D000006 0
022 A000007 SOUTHERN TRUST SECURITIES, INC.
022 B000007 65-0926091
022 C000007 5911
022 D000007 0
022 A000008 WELLS FARGO SECURITIES, LLC
022 B000008 56-2326000
022 C000008 5816
022 D000008 0
022 A000009 RAYMOND JAMES (USA) LTD.
022 B000009 22-3030928
PAGE 4
022 C000009 4432
022 D000009 0
022 A000010 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
022 B000010 13-5674085
022 C000010 3236
022 D000010 0
023 C000000 97500
023 D000000 40846
024 000000 N
025 D000001 0
025 D000002 0
025 D000003 0
025 D000004 0
025 D000005 0
025 D000006 0
025 D000007 0
025 D000008 0
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

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

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
028	F040000		0
	PAGE	5	
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
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

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

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	6	
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	
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	Y	
055	B000000	N	
056	000000	N	
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	
062	J000000	0.0	
062	K000000	0.0	
062	L000000	0.0	
062	M000000	0.0	
062	N000000	0.0	
062	O000000	153.8	
062	P000000	1.6	
062	Q000000	0.0	

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

062	R000000	0.0
063	A000000	0
063	B000000	6.5
064	A000000	Y
064	B000000	Y
	PAGE	7
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	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	92821
071	B000000	87820
071	C000000	428399
071	D000000	20
072	A000000	12
072	B000000	20742
072	C000000	0
072	D000000	0
072	E000000	0
	PAGE	8
072	F000000	2612
072	G000000	175
072	H000000	0
072	I000000	15

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

072 J000000	7
072 K000000	0
072 L000000	16
072 M000000	15
072 N000000	0
072 O000000	0
072 P000000	0
072 Q000000	0
072 R000000	59
072 S000000	68
072 T000000	0
072 U000000	0
072 V000000	0
072 W000000	315
072 X000000	3282
072 Y000000	0
072 Z000000	17460
072AA000000	0
072BB000000	12363
072CC010000	5709
072CC020000	0
072DD010000	14578
072DD020000	0
072EE000000	0
073 A010000	0.6100
073 A020000	0.0000
073 B000000	0.0000
073 C000000	0.0000
074 A000000	534
074 B000000	0
074 C000000	0
074 D000000	430475
074 E000000	0
074 F000000	0
074 G000000	0
074 H000000	0
074 I000000	0
074 J000000	0
074 K000000	0
074 L000000	5958
074 M000000	153
074 N000000	437120
074 O000000	0
074 P000000	28
074 Q000000	0
074 R010000	0
074 R020000	0
PAGE 9	
074 R030000	0
074 R040000	80
074 S000000	160000
074 T000000	277012
074 U010000	23899
074 U020000	0
074 V010000	11.59
074 V020000	0.00
074 W000000	0.0000
074 X000000	3814
074 Y000000	0
075 A000000	0
075 B000000	261328
076 000000	10.72

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

077 A000000 Y
077 B000000 Y
078 000000 N
080 A000000 ICI MUTUAL INSURANCE CO.
080 C000000 38000
081 A000000 Y
081 B000000 42
082 A000000 Y
082 B000000 100
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 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
PAGE 10
088 D000000 Y
SIGNATURE MARK E. BRADLEY
TITLE TREASURER