

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