

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

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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  
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 020 C000001 0  
 020 C000002 0  
 020 C000003 0  
 020 C000004 0  
 020 C000005 0  
 020 C000006 0  
 020 C000007 0

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| 020 | C000008 | 0                             |
| 020 | C000009 | 0                             |
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| 022 | B000001 | 13-3806694                    |
| 022 | C000001 | 543031                        |
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| 022 | A000002 | UBS FINANCIAL SERVICES INC.   |
| 022 | B000002 | 13-2638166                    |
| 022 | C000002 | 10450                         |
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| 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                             |

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|     |         |       |   |
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| 048 | A020000 | 0.000 |   |
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| 048 | B020000 | 0.000 |   |
| 048 | C010000 |       | 0 |
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| 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     |   |
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| 051 | 000000  | N     |   |
| 052 | 000000  | N     |   |
|     | PAGE    | 5     |   |
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| 053 | C000000 | N     |   |
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| 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     |   |
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| 055 | B000000 | N     |   |
| 056 | 000000  | Y     |   |
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| 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   |   |

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|     |         |        |
|-----|---------|--------|
| 062 | J000000 | 0.0    |
| 062 | K000000 | 0.0    |
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| 062 | M000000 | 0.0    |
| 062 | N000000 | 0.0    |
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| 062 | P000000 | 0.0    |
| 062 | Q000000 | 0.0    |
| 062 | R000000 | 0.5    |
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| 063 | B000000 | 21.9   |
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| 064 | B000000 | Y      |
| 065 | 000000  | N      |
| 066 | A000000 | N      |
|     | PAGE    | 6      |
| 067 | 000000  | N      |
| 068 | A000000 | N      |
| 068 | B000000 | N      |
| 069 | 000000  | N      |
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| 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      |
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| 071 | B000000 | 32276  |
| 071 | C000000 | 485216 |
| 071 | D000000 | 7      |
| 072 | A000000 | 6      |
| 072 | B000000 | 15241  |

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

PAGE 7

|             |        |
|-------------|--------|
| 072 H000000 | 0      |
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| 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      |
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| 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      |

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|           |                    |                            |
|-----------|--------------------|----------------------------|
| 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 |                            |