

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

Pioneer Diversified High Income Trust  
Form NSAR-A  
December 30, 2008

PAGE 1  
000 A000000 10/31/2008  
000 C000000 1388126  
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 DIVERSIFIED HIGH INCOME TRUST  
001 B000000 811-22014  
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  
008 A000002 MONTEPELIER CAPITAL ADVISORS, LTD.  
008 B000002 S  
008 C000002 801-00000  
008 D010002 BERMUDA  
008 D050002 BERMUDA  
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  
PAGE 2  
010 C030002 08543  
010 C040002 9095  
011 A000001 MERRILL LYNCH & CO.  
011 B000001 8-7221  
011 C010001 NEW YORK  
011 C020001 NY

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

011 C030001 10281  
011 C040001 1201  
011 A000002 UBS INVESTMENT BANK  
011 B000002 8-000000  
011 C010002 XX  
011 C020002 CT  
011 C030002 00000  
011 A000003 RBC CAPITAL MARKETS CORP.  
011 B000003 8-045411  
011 C010003 MINNEAPOLIS  
011 C020003 MN  
011 C030003 55402  
011 C040003 4422  
011 A000004 ROBERT W. BAIRD & CO.  
011 B000004 8-00000  
011 C010004 MILWAUKEE  
011 C020004 WI  
011 C030004 00000  
011 A000005 JANNEY MONTGOMERY SCOTT, LLC  
011 B000005 8-462  
011 C010005 PHILADELPHIA  
011 C020005 PA  
011 C030005 19103  
011 C040005 1675  
011 A000006 FERRIS, BAKER WATTS, INC.  
011 B000006 8-00000  
011 C010006 WASHINGTON  
011 C020006 DC  
011 C030006 00000  
011 A000007 MORGAN KEEGAN & CO., INC.  
011 B000007 8-000000  
011 C010007 MEMPHIS  
011 C020007 TN  
011 C030007 00000  
012 A000001 PIONEER INVEST. MGT. SHAREHOLDER SVCS., INC.  
012 B000001 85-1359  
012 C010001 BOSTON  
012 C020001 MA  
012 C030001 02109  
012 A000002 AMERICAN STOCK TRANSFER & TRUST CO.  
012 B000002 85-00000  
012 C010002 BROOKLYN  
012 C020002 NY  
012 C030002 11219  
013 A000001 ERNST & YOUNG LLP  
PAGE 3  
013 B010001 BOSTON  
013 B020001 MA  
013 B030001 02116  
015 A000001 BROWN BROTHERS HARRIMAN & CO.  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
015 C030001 02109  
015 E010001 X  
015 A000002 BANK AUSTRIA  
015 B000002 S  
015 C010002 VIENNA  
015 D010002 AUSTRIA  
015 E040002 X  
015 A000003 BANQUE BRUXELLES LAMBERT  
015 B000003 S

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

015 C010003 BRUSSELS  
015 D010003 BELGIUM  
015 E040003 X  
015 A000004 BANK OF BOSTON  
015 B000004 S  
015 C010004 SAO PAULO  
015 D010004 BRAZIL  
015 E040004 X  
015 A000005 NATIONAL AUSTRALIA BANK  
015 B000005 S  
015 C010005 MELBOURNE  
015 D010005 AUSTRALIA  
015 E040005 X  
015 A000006 ROYAL BANK OF CANADA  
015 B000006 S  
015 C010006 TORONTO  
015 D010006 CANADA  
015 E040006 X  
015 A000007 DEN DANSKE BANK  
015 B000007 S  
015 C010007 COPENHAGEN  
015 D010007 DENMARK  
015 E040007 X  
015 A000008 MERITA BANK  
015 B000008 S  
015 C010008 HELSINKI  
015 D010008 FINLAND  
015 E040008 X  
015 A000009 BANQUE PARIBAS  
015 B000009 S  
015 C010009 PARIS  
015 D010009 FRANCE  
015 E040009 X  
015 A000010 DRESNER BANK  
015 B000010 S  
PAGE 4  
015 C010010 FRANKFURT  
015 D010010 GERMANY  
015 E040010 X  
015 A000011 CITIBANK, N.A.  
015 B000011 S  
015 C010011 ATHENS  
015 D010011 GREECE  
015 E040011 X  
015 A000012 STANDARD CHARTERED BANK  
015 B000012 S  
015 C010012 HONG KONG  
015 D010012 HONG KONG  
015 E040012 X  
015 A000013 CITIBANK, N.A.  
015 B000013 S  
015 C010013 MUMBAI  
015 D010013 INDIA  
015 E040013 X  
015 A000014 BANCA COMMERCIALE ITALIANA  
015 B000014 S  
015 C010014 MILAN  
015 D010014 ITALY  
015 E040014 X  
015 A000015 THE SUMITOMO BANK, LIMITED  
015 B000015 S  
015 C010015 TOKYO

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

015 D010015 JAPAN  
015 E040015 X  
015 A000016 CITIBANK, N.A.  
015 B000016 S  
015 C010016 SEOUL  
015 D010016 SOUTH KOREA  
015 E040016 X  
015 A000017 HONK KONG BANK MALAYSIA  
015 B000017 S  
015 C010017 KUALA LUMPUR  
015 D010017 MALAYSIA  
015 E040017 X  
015 A000018 CITIBANK, N.A.  
015 B000018 S  
015 C010018 MEXICO CITY  
015 D010018 MEXICO  
015 E040018 X  
015 A000019 MEESPIERSON  
015 B000019 S  
015 C010019 AMSTERDAM  
015 D010019 NETHERLANDS  
015 E040019 X  
015 A000020 NATIONAL NOMINEES LIMITED  
015 B000020 S  
015 C010020 AUCKLAND  
PAGE 5  
015 D010020 NEW ZEALAND  
015 E040020 X  
015 A000021 DEN NORSE BANK  
015 B000021 S  
015 C010021 OSLO  
015 D010021 NORWAY  
015 E040021 X  
015 A000022 CITIBANK, N.A.  
015 B000022 S  
015 C010022 WARSAW  
015 D010022 POLAND  
015 E040022 X  
015 A000023 BANCO COMERCIAL PORTUGUESE SA  
015 B000023 S  
015 C010023 LISBON  
015 D010023 PORTUGAL  
015 E040023 X  
015 A000024 STANDARD CHARTERED BANK  
015 B000024 S  
015 C010024 SINGAPORE  
015 D010024 SINGAPORE  
015 E040024 X  
015 A000025 BANCO DE SANTANDER  
015 B000025 S  
015 C010025 MADRID  
015 D010025 SPAIN  
015 E040025 X  
015 A000026 SKANDINAVISKA ENSKILDA BANKEN  
015 B000026 S  
015 C010026 STOCKHOLM  
015 D010026 SWEDEN  
015 E040026 X  
015 A000027 UNION BANK OF SWITZERLAND AG  
015 B000027 S  
015 C010027 ZURICH  
015 D010027 SWITZERLAND

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

015 E040027 X  
015 A000028 CENTRAL TRUST OF CHINA  
015 B000028 S  
015 C010028 TAIPEI  
015 D010028 TAIWAN  
015 E040028 X  
015 A000029 HONG KONG AND SHANGHAI BANKING CORPORATION  
015 B000029 S  
015 C010029 BANGKOK  
015 D010029 THAILAND  
015 E040029 X  
015 A000030 MIDLAND BANK  
015 B000030 S  
015 C010030 LONDON  
015 D010030 UNITED KINGDOM

PAGE 6

015 E040030 X  
015 A000031 FIRST NATIONAL BANK OF SOUTH AFRICA  
015 B000031 S  
015 C010031 JOHANNESBURG  
015 D010031 SOUTH AFRICA  
015 E040031 X  
018 000000 Y  
019 A000000 Y  
019 B000000 76  
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  
021 000000 0  
022 A000001 BARCLAYS INVESTMENTS, INC.  
022 B000001 05-0346412  
022 C000001 136312  
022 D000001 799  
022 A000002 DEUTSCHE BANK SECURITIES INC.  
022 B000002 13-2730828  
022 C000002 131643  
022 D000002 283  
022 A000003 BANC OF AMERICA SECURITIES, LLC  
022 B000003 56-2058405  
022 C000003 128239  
022 D000003 270  
022 A000004 J.P. MORGAN SECURITIES, INC.  
022 B000004 13-3224016  
022 C000004 125040  
022 D000004 2664  
022 A000005 MERRILL LYNCH, PIERCE, FENNER & SMITH, INC.  
022 B000005 13-5674085  
022 C000005 110019  
022 D000005 1181  
022 A000006 BROWN BROTHERS HARRIMAN & CO.  
022 B000006 13-4973745  
022 C000006 89726  
022 D000006 0  
022 A000007 CREDIT SUISSE SECURITIES (USA), LLC

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

022 B000007 13-5659485  
022 C000007 6762  
022 D000007 1916  
022 A000008 GOLDMAN, SACHS & CO.  
022 B000008 13-5108880  
PAGE 7  
022 C000008 6376  
022 D000008 149  
022 A000009 CITIGROUP GLOBAL MARKETS, INC.  
022 B000009 11-2418191  
022 C000009 3069  
022 D000009 2096  
022 A000010 MORGAN STANLEY & CO., INC.  
022 B000010 13-2655998  
022 C000010 4448  
022 D000010 453  
023 C000000 754466  
023 D000000 18593  
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 0.850  
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  
049 000000 N  
050 000000 N  
PAGE 8  
051 000000 N  
052 000000 N  
053 A000000 Y  
053 B000000 Y

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

|     |         |   |      |
|-----|---------|---|------|
| 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 | Y |      |
| 055 | B000000 | Y |      |
| 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  |
| 062 | J000000 |   | 0.0  |
| 062 | K000000 |   | 0.0  |
| 062 | L000000 |   | 4.7  |
| 062 | M000000 |   | 0.0  |
| 062 | N000000 |   | 0.0  |
| 062 | O000000 |   | 0.0  |
| 062 | P000000 |   | 87.1 |
| 062 | Q000000 |   | 49.0 |
| 062 | R000000 |   | 0.3  |
| 063 | A000000 |   | 0    |
| 063 | B000000 |   | 5.0  |
| 064 | A000000 | N |      |
| 064 | B000000 | Y |      |
|     | PAGE    | 9 |      |
| 065 | 000000  | N |      |
| 066 | A000000 | N |      |
| 067 | 000000  | N |      |
| 068 | A000000 | N |      |
| 068 | B000000 | N |      |
| 069 | 000000  | N |      |
| 070 | A010000 | Y |      |
| 070 | A020000 | Y |      |
| 070 | B010000 | Y |      |
| 070 | B020000 | N |      |
| 070 | C010000 | Y |      |
| 070 | C020000 | N |      |
| 070 | D010000 | Y |      |
| 070 | D020000 | N |      |

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

|       |         |    |        |
|-------|---------|----|--------|
| 070   | E010000 | Y  |        |
| 070   | E020000 | N  |        |
| 070   | F010000 | Y  |        |
| 070   | F020000 | N  |        |
| 070   | G010000 | Y  |        |
| 070   | G020000 | N  |        |
| 070   | H010000 | Y  |        |
| 070   | H020000 | N  |        |
| 070   | I010000 | N  |        |
| 070   | I020000 | N  |        |
| 070   | J010000 | Y  |        |
| 070   | J020000 | Y  |        |
| 070   | K010000 | Y  |        |
| 070   | K020000 | N  |        |
| 070   | L010000 | Y  |        |
| 070   | L020000 | Y  |        |
| 070   | M010000 | Y  |        |
| 070   | M020000 | Y  |        |
| 070   | N010000 | Y  |        |
| 070   | N020000 | Y  |        |
| 070   | O010000 | Y  |        |
| 070   | O020000 | Y  |        |
| 070   | P010000 | N  |        |
| 070   | P020000 | N  |        |
| 070   | Q010000 | N  |        |
| 070   | Q020000 | N  |        |
| 070   | R010000 | N  |        |
| 070   | R020000 | N  |        |
| 071   | A000000 |    | 42406  |
| 071   | B000000 |    | 45042  |
| 071   | C000000 |    | 224560 |
| 071   | D000000 |    | 19     |
| 072   | A000000 |    | 6      |
| 072   | B000000 |    | 11528  |
| 072   | C000000 |    | 9      |
| 072   | D000000 |    | 0      |
| 072   | E000000 |    | 116    |
|       | PAGE    | 10 |        |
| 072   | F000000 |    | 1003   |
| 072   | G000000 |    | 103    |
| 072   | H000000 |    | 0      |
| 072   | I000000 |    | 33     |
| 072   | J000000 |    | 67     |
| 072   | K000000 |    | 0      |
| 072   | L000000 |    | 22     |
| 072   | M000000 |    | 4      |
| 072   | N000000 |    | 9      |
| 072   | O000000 |    | 0      |
| 072   | P000000 |    | 1084   |
| 072   | Q000000 |    | 0      |
| 072   | R000000 |    | 25     |
| 072   | S000000 |    | 14     |
| 072   | T000000 |    | 0      |
| 072   | U000000 |    | 0      |
| 072   | V000000 |    | 0      |
| 072   | W000000 |    | 49     |
| 072   | X000000 |    | 2413   |
| 072   | Y000000 |    | 161    |
| 072   | Z000000 |    | 9401   |
| 072AA | 000000  |    | 0      |
| 072BB | 000000  |    | 2135   |
| 072CC | 010000  |    | 0      |



Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

|             |                          |
|-------------|--------------------------|
| 072CC020000 | 52144                    |
| 072DD010000 | 10225                    |
| 072DD020000 | 0                        |
| 072EE000000 | 0                        |
| 073 A010000 | 1.2540                   |
| 073 A020000 | 0.0000                   |
| 073 B000000 | 0.0000                   |
| 073 C000000 | 0.0000                   |
| 074 A000000 | 1633                     |
| 074 B000000 | 0                        |
| 074 C000000 | 5761                     |
| 074 D000000 | 169339                   |
| 074 E000000 | 416                      |
| 074 F000000 | 18                       |
| 074 G000000 | 0                        |
| 074 H000000 | 0                        |
| 074 I000000 | 811                      |
| 074 J000000 | 1852                     |
| 074 K000000 | 0                        |
| 074 L000000 | 4304                     |
| 074 M000000 | 13                       |
| 074 N000000 | 184147                   |
| 074 O000000 | 245                      |
| 074 P000000 | 124                      |
| 074 Q000000 | 53000                    |
| 074 R010000 | 0                        |
| 074 R020000 | 0                        |
| PAGE 11     |                          |
| 074 R030000 | 0                        |
| 074 R040000 | 6366                     |
| 074 S000000 | 0                        |
| 074 T000000 | 124412                   |
| 074 U010000 | 8154                     |
| 074 U020000 | 0                        |
| 074 V010000 | 15.26                    |
| 074 V020000 | 0.00                     |
| 074 W000000 | 0.0000                   |
| 074 X000000 | 5497                     |
| 074 Y000000 | 0                        |
| 075 A000000 | 0                        |
| 075 B000000 | 168155                   |
| 076 000000  | 13.11                    |
| 077 A000000 | N                        |
| 078 000000  | N                        |
| 080 A000000 | ICI MUTUAL INSURANCE CO. |
| 080 C000000 | 45000                    |
| 081 A000000 | Y                        |
| 081 B000000 | 76                       |
| 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                        |

Edgar Filing: Pioneer Diversified High Income Trust - Form NSAR-A

|           |                    |              |
|-----------|--------------------|--------------|
| 086       | D010000            | 0            |
| 086       | D020000            | 0            |
| 086       | E010000            | 0            |
| 086       | E020000            | 0            |
| 086       | F010000            | 0            |
| 086       | F020000            | 0            |
| 087       | A010000            | COMMON STOCK |
| 087       | A020000            | 723653101    |
| 087       | A030000            | HNW          |
| 088       | A000000            | N            |
| 088       | B000000            | N            |
| 088       | C000000            | N            |
| 088       | D000000            | N            |
| SIGNATURE | MARY KELLERMANN    |              |
| TITLE     | ACCOUNTING MANAGER |              |