

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

Pioneer Diversified High Income Trust  
Form NSAR-A  
December 29, 2009

PAGE 1  
000 A000000 10/31/2009  
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 62  
 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 BROWN BROTHERS HARRIMAN & CO.  
 022 B000001 13-4973745  
 022 C000001 183263  
 022 D000001 0  
 022 A000002 J.P. MORGAN SECURITIES, INC.  
 022 B000002 13-3299429  
 022 C000002 111992  
 022 D000002 780  
 022 A000003 BANC OF AMERICA SECURITIES, LLC  
 022 B000003 56-2058405  
 022 C000003 98165  
 022 D000003 158  
 022 A000004 BNP PARIBAS SECURITIES CORP.  
 022 B000004 13-3235334  
 022 C000004 66200  
 022 D000004 0  
 022 A000005 DEUTSCHE BANK SECURITIES, INC.  
 022 B000005 13-2730828  
 022 C000005 27219  
 022 D000005 529  
 022 A000006 BARCLAYS CAPITAL, INC.  
 022 C000006 6850  
 022 D000006 969  
 022 A000007 GOLDMAN, SACHS & CO.  
 022 B000007 13-5108880

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

022 C000007 4736  
 022 D000007 402  
 022 A000008 CREDIT SUISSE SECURITIES (USA), LLC  
 022 B000008 13-5659485  
 022 C000008 4627

PAGE 7

022 D000008 288  
 022 A000009 CITIGROUP GLOBAL MARKETS, INC.  
 022 B000009 11-2418191  
 022 C000009 4379  
 022 D000009 210  
 022 A000010 MORGAN STANLEY & CO., INC.  
 022 B000010 13-2655998  
 022 C000010 2355  
 022 D000010 582  
 023 C000000 516088  
 023 D000000 5459

024 000000 Y  
 025 A000001 GOLDMAN SACHS CAPITAL II  
 025 C000001 D  
 025 D000001 335  
 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

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

PAGE 8

048 H020000 0.000  
 048 I010000 0  
 048 I020000 0.000  
 048 J010000 0

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

048	J020000	0.000	
048	K010000		0
048	K020000	0.000	
049	000000	N	
050	000000	N	
051	000000	N	
052	000000	N	
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	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	4.4	
062	M000000	0.0	
	PAGE	9	
062	N000000	0.0	
062	O000000	0.0	
062	P000000	90.2	
062	Q000000	43.7	
062	R000000	0.6	
063	A000000	0	
063	B000000	5.2	
064	A000000	N	
064	B000000	Y	
065	000000	N	
066	A000000	N	
067	000000	N	
068	A000000	N	
068	B000000	N	

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

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  
 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

PAGE 10

071 A000000 38896  
 071 B000000 16236  
 071 C000000 177869  
 071 D000000 9  
 072 A000000 6  
 072 B000000 8236  
 072 C000000 22  
 072 D000000 0  
 072 E000000 97  
 072 F000000 791  
 072 G000000 97  
 072 H000000 0  
 072 I000000 34  
 072 J000000 12  
 072 K000000 0  
 072 L000000 15  
 072 M000000 4  
 072 N000000 9  
 072 O000000 0  
 072 P000000 640  
 072 Q000000 0  
 072 R000000 25  
 072 S000000 22  
 072 T000000 0



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

072 U000000	0
072 V000000	0
072 W000000	109
072 X000000	1758
072 Y000000	178
072 Z000000	6775
072AA000000	0
072BB000000	7601
072CC010000	47007
072CC020000	0
072DD010000	8588
072DD020000	0
072EE000000	0
073 A010000	1.0500
073 A020000	0.0000
073 B000000	0.0000
073 C000000	0.0000
074 A000000	707
074 B000000	0
074 C000000	6687
074 D000000	203121
074 E000000	498
074 F000000	483
074 G000000	0
074 H000000	0
074 I000000	2749
074 J000000	0
PAGE 11	
074 K000000	0
074 L000000	3603
074 M000000	16
074 N000000	217864
074 O000000	3914
074 P000000	140
074 Q000000	55000
074 R010000	0
074 R020000	0
074 R030000	0
074 R040000	6991
074 S000000	0
074 T000000	151819
074 U010000	8191
074 U020000	0
074 V010000	18.53
074 V020000	0.00
074 W000000	0.0000
074 X000000	5699
074 Y000000	0
075 A000000	0
075 B000000	135357
076 000000	16.94
077 A000000	N
078 000000	N
080 A000000	ICI MUTUAL INSURANCE CO.
080 C000000	45000
081 A000000	Y
081 B000000	62
082 A000000	N
082 B000000	0
083 A000000	N
083 B000000	0
084 A000000	N

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

084	B000000	0
085	A000000	Y
085	B000000	N
086	A010000	0
086	A020000	0
086	B010000	25
086	B020000	414
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	723653101
	PAGE	12
087	A030000	HNW
088	A000000	N
088	B000000	N
088	C000000	N
088	D000000	N
SIGNATURE	MARY KELLERMANN	
TITLE	ACCOUNTING MANAGER	