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Pioneer Diversified High Income Trust
Form NSAR-A
December 29, 2016

PAGE 1
000 A000000 10/31/2016
000 C000000 0001388126
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
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005 000000 N
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008 A000001 PIONEER INVESTMENT MANAGEMENT, INC.
008 B000001 A
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008 D010001 BOSTON
008 D020001 MA
008 D030001 02109
008 A000002 MONTEPELIER CAPITAL ADVISORS, LTD.
008 B000002 S
008 C000002 801-00000
008 D010002 HAMILTON
008 D050002 BERMUDA
010 A000001 PIONEER INVESTMENT MANAGEMENT, INC.
010 B000001 801-8255
010 C010001 BOSTON
010 C020001 MA
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010 A000002 BROWN BROTHERS HARRIMAN & CO.
010 C010002 BOSTON
010 C020002 MA
PAGE 2
010 C030002 02110
011 A000001 MERRILL LYNCH & CO.
011 B000001 8-7221
011 C010001 NEW YORK
011 C020001 NY
011 C030001 10281

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011 C040001 1201
011 A000002 UBS INVESTMENT BANK
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 ROBERT W. BAIRD & CO.
011 B000004 8-00497
011 C010004 MILWAUKEE
011 C020004 WI
011 C030004 53201
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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 20006
011 A000007 MORGAN KEEGAN & CO., INC.
011 B000007 8-15001
011 C010007 MEMPHIS
011 C020007 TN
011 C030007 38103
012 A000001 PIONEER INVEST. MGT. SHAREHOLDER SVCS., INC.
012 B000001 85-1359
012 C010001 BOSTON
012 C020001 MA
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012 A000002 AMERICAN STOCK TRANSFER & TRUST CO.
012 B000002 85-00000
012 C010002 BROOKLYN
012 C020002 NY
012 C030002 11219
013 A000001 DELOITTE & TOUCHE LLP
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013 B010001 BOSTON
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015 C010002 BUENOS AIRES
015 D010002 ARGENTINA
015 E040002 X
015 A000003 HSBC BANK AUSTRALIA LIMITED
015 B000003 S

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015 C010003 SYDNEY
015 D010003 AUSTRALIA
015 E040003 X
015 A000004 UNICREDIT BANK AUSTRIA AG
015 B000004 S
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015 D010005 BELGIUM
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015 D010007 BANGLADESH
015 E040007 X
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015 A000011 BANCO DE CHILE
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015 C010011 SANTIAGO
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015 A000012 STANDARD CHARTERED BANK (CHINA) LIMITED
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015 A000015 CITIBANK EUROPE PLC, ORGANIZACNI SLOZKA
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015 C010015 PRAGUE

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015 D010015 CZECH REPUBLIC
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015 A000016 BNP PARIBAS SECURITIES SERVICES
015 B000016 S
015 C010016 PANTIN
015 D010016 BELGIUM
015 E040016 X
015 A000017 SKANDINAVISKA ENSKILDA BANKEN AB (PUBL) DAN
015 B000017 S
015 C010017 COPENHAGEN
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015 A000018 CITIBANK N.A., CAIRO BRANCH
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015 D010018 EGYPT
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015 A000021 BNP PARIBAS SECURITIES SERVICES, FRANKFURT BR
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015 C010021 FRANKFURT
015 D010021 GERMANY
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015 A000022 HSBC BANK PLC, ATHENS BRANCH
015 B000022 S
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015 D010022 GREECE
015 E040022 X
015 A000023 STANDARD CHARTERED BANK GHANA LTD.
015 B000023 S
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015 D010023 GHANA
015 E040023 X
015 A000024 STANDARD CHARTERED BANK (HONG KONG) LIMITED
015 B000024 S
015 C010024 KWUN TONG
015 D010024 HONG KONG
015 E040024 X
015 A000025 CITIBANK EUROPE PLC, HUNGARIAN BRANCH
015 B000025 S
015 C010025 BUDAPEST
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015 E040025 X
015 A000026 CITIBANK, N.A.-MUMBAI BRANCH
015 B000026 S
015 C010026 MUMBAI
015 D010026 INDIA
015 E040026 X
015 A000027 CITIBANK, N.A., JAKARTA BRANCH
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015 C010027 JAKARTA
015 D010027 INDONESIA

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015 A000028 CITIBANK, N.A., LONDON BRANCH
015 B000028 S
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015 D010028 IRELAND
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015 A000029 BANK HAPOALIM BM
015 B000029 S
015 C010029 TEL AVIV
015 D010029 ISRAEL
015 E040029 X
015 A000030 BNP PARIBAS SECURITIES SERVICES, MILAN BRANCH
015 B000030 S
015 C010030 MILAN
015 D010030 ITALY
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015 E040030 X
015 A000031 SUMITOMO MITSU BANKING CORPORATION
015 B000031 S
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015 E040031 X
015 A000032 DELETE
015 A000033 DELETE
015 A000034 HSBC BANK MIDDLE EAST LIMITED, KUWAIT BRANCH
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015 D010034 KUWAIT
015 E040034 X
015 A000035 KBL EUROPEAN PRIVATE BANKERS SA
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015 C010035 LUXEMBOURG
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015 E040035 X
015 A000036 HSBC BANK MALAYSIA BERHAD
015 B000036 S
015 C010036 KUALA LUMPUR
015 D010036 MALAYSIA
015 E040036 X
015 A000037 BANCO NACIONAL DE MEXICO, S.A. (BANAMEX)
015 B000037 S
015 C010037 MEXICO CITY
015 D010037 MEXICO
015 E040037 X
015 A000038 CITIBANK MAGHREB
015 B000038 S
015 C010038 CASABLANCA
015 D010038 MOROCCO
015 E040038 X
015 A000039 BNP PARIBAS SECURITIES SERVICES
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015 A000040 HSBC LIMITED, NEW ZEALAND BRANCH
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015 A000041 STANBIC IBTC BANK PLC
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015 C010041 LAGOS

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015 D010041 NIGERIA
015 E040041 X
015 A000042 NORDEA BANK NORGE ASA
015 B000042 S
015 C010042 OSLO
PAGE 7
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015 A000043 CITIBANK DEL PERU S.A.
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015 A000044 HSBC LIMITED, PHILIPPINE BRANCH
015 B000044 S
015 C010044 TAGUIG CITY
015 D010044 PHILIPPINES
015 E040044 X
015 A000045 BANK HANDLOWY W WARSZAWIE SA
015 B000045 S
015 C010045 WARSAW
015 D010045 POLAND
015 E040045 X
015 A000046 BNP PARIBAS SECURITIES SERVICES
015 B000046 S
015 C010046 PANTIN
015 D010046 PORTUGAL
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015 A000048 AO CITIBANK FOR CITIBANK N.A.
015 B000048 S
015 C010048 MOSCOW
015 D010048 RUSSIA
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015 A000049 HSBC BANK MIDDLE EAST LIMITED, QATAR BRANCH
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015 C010049 JERSEY
015 D010049 QATAR
015 E040049 X
015 A000050 DELETE
015 A000051 STANDARD CHARTERED BANK SINGAPORE BRANCH
015 B000051 S
015 C010051 SINGAPORE
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015 A000052 DELETE
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015 A000054 CITIBANK KOREA INC
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015 A000055 BANCO BILBAO VIZCAYA ARGENTARIA SA
PAGE 8
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015 C010055 MADRID
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015 A000056 HSBC,SRI LANKA BRANCH
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015 C010056 COLOMBO
015 D010056 SRI LANKA
015 E040056 X
015 A000057 SKANDINAVISKA ENSKILDA BANKEN AB (PUBL)
015 B000057 S
015 C010057 STOCKHOLM
015 D010057 SWEDEN
015 E040057 X
015 A000058 CREDIT SUISSE AG
015 B000058 S
015 C010058 ZURICH
015 D010058 SWITZERLAND
015 E040058 X
015 A000059 BANK OF TAIWAN
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015 C010059 TAIPEI
015 D010059 TAIWAN
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015 A000060 HSBC LIMITED, THAILAND BRANCH
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015 C010060 BANGKOK
015 D010060 THAILAND
015 E040060 X
015 A000061 CITIBANK ANONIM SIRKETI
015 B000061 S
015 C010061 ISTANBUL
015 D010061 TURKEY
015 E040061 X
015 A000062 HSBC BANK MIDDLE EAST LIMITED
015 B000062 S
015 C010062 DUBAI
015 D010062 UNITED ARAB EMIRATES
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015 A000063 HSBC BANK PLC
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015 A000064 CITIBANK, N.A., CARACAS BRANCH
015 B000064 S
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015 D010064 VENEZUELA
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015 A000065 HSBC BANK (VIETNAM) LTD
015 B000065 S
PAGE 9
015 C010065 HO CHI MINH CITY
015 D010065 VIETNAM
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015 A000066 CITIBANK EUROPE PLC,POBOCKA ZAHRANICNEJ BANKY
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015 D010066 SLOVAKIA
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015 A000067 CITIBANK EUROPE PLC, DUBLIN - SUCURSALA
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015 D010067 ROMANIA
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015 A000068 STANDARD CHARTERED BANK KENYA LIMITED

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022 A000002 CITIGROUP GLOBAL MARKETS INC.
022 B000002 11-2418191
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022 A000003 BARCLAYS CAPITAL INC.
022 B000003 06-1031656
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022 A000004 GOLDMAN, SACHS & CO.
022 B000004 13-5108880
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022 A000005 MERRILL LYNCH, PIERCE, FENNER & SMITH INC.
PAGE 10
022 B000005 13-5674085
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022 B000006 23-2384977
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022 A000007 RBC CAPITAL MARKETS, LLC
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022 A000010 CREDIT SUISSE SECURITIES (USA) LLC
022 B000010 05-0546650
022 C000010 4392
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025 B000001 94-2842977
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088 B000000	N
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SIGNATURE	MARK BRADLEY
TITLE	TREASURER