

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

PIONEER HIGH INCOME TRUST

Form N-Q

August 29, 2017

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS
OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number 811-21043

Pioneer High Income Trust
(Exact name of registrant as specified in charter)

60 State Street, Boston, MA 02109
(Address of principal executive offices) (ZIP code)

Terrence J. Cullen, Pioneer Investment Management, Inc.,
60 State Street, Boston, MA 02109
(Name and address of agent for service)

Registrant's telephone number, including area code: (617) 742-7825

Date of fiscal year end: March 31

Date of reporting period: June 30, 2017

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after close of the first and third fiscal quarters, pursuant to Rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to Secretary, Securities and Exchange Commission, 450 Fifth Street, NW, Washington, DC 20549-0609. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. ss. 3507.

<PAGE>

ITEM 1. Schedule of Investments.

File the schedules as of the close of the reporting period as set forth in ss. 210.12-12 12-14 of Regulation S-X [17 CFR 210.12-12 12-14]. The

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

schedules need not be audited.

Pioneer High
Income Trust

NQ | June 30, 2017

Ticker Symbol: PHT

Prices and Distributions | 9/30/16 (unaudited)

Principal Amount USD (\$)		Value
	ASSET BACKED SECURITIES - 0.1% of Net Assets	
300,000	BANKS - 0.1% Thrifts & Mortgage Finance - 0.1% InSite Issuer LLC, Series 2016-1A, Class C, 6.414%, 11/15/46 (144A)	\$308,636
36,270(a)	Security National Mortgage Loan Trust, Series 2007-1A, Class 1A3, 6.55%, 4/25/37 (144A)	36,176

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Total Banks	\$344,812
	TOTAL ASSET BACKED SECURITIES (Cost \$329,058)	\$344,812
	COLLATERALIZED MORTGAGE OBLIGATIONS - 0.2% of Net Assets	
	DIVERSIFIED FINANCIALS - 0.2%	
	Thriffs & Mortgage Finance - 0.2%	
660,000(a)	GMAT Trust, Series 2013-1A, Class M, 5.0%, 11/25/43 (144A)	\$582,622
95,646	Homeowner Assistance Program Reverse Mortgage Loan Trust, Series 2013-RM1, Class A, 4.0%, 5/26/53 (144A)	95,168
	Total Diversified Financials	\$677,790
	TOTAL COLLATERALIZED MORTGAGE OBLIGATION (Cost \$731,280)	\$677,790
	COMMERCIAL MORTGAGE-BACKED SECURITIES - 1.0% of Net Assets	
	BANKS - 0.5%	
	Thriffs & Mortgage Finance - 0.5%	
1,000,000(a)	Citigroup Commercial Mortgage Trust,	\$647,511

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

515,000(b)	Series 2014-GC23, Class E, 3.208%, 7/10/47 (144A)	
	GS Mortgage Securities Trust, Series 2014-GSFL, Class D, 5.059%, 7/15/31 (144A)	518,375
500,000(a)	JPMBB Commercial Mortgage Securities Trust, Series 2014-C25, Class D, 4.096%, 11/15/47 (144A)	397,740
	Total Banks	\$1,563,626
	DIVERSIFIED FINANCIALS - 0.5%	
	Thriffs & Mortgage Finance - 0.5%	
700,000(b)	CFCRE Mortgage Trust, Series 2015-RUM, Class E, 5.759%, 7/15/30 (144A)	\$685,894
900,000(a)	Commercial Mortgage Trust, Series 2007-C9, Class H, 5.991%, 12/10/49 (144A)	897,781
	Total Diversified Financials	\$1,583,675
	TOTAL COMMERCIAL MORTGAGE-BACKED SECURITIES (Cost \$3,157,535)	\$3,147,301
	SENIOR SECURED FLOATING RATE LOAN INTERESTS - 6.5% of Net Assets* (b)	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	CAPITAL	
	GOODS - 1.1%	
	Aerospace &	
	Defense - 1.0%	
2,139,250(c)	ADS Tactical, Inc.,	
	Term Loan,	
	8.796%, 12/31/22	\$2,139,250
878,910	DynCorp	
	International, Inc.,	
	Term Loan B2,	
	9.0%, 7/7/20	882,938
		\$3,022,188
	Industrial	
	Machinery - 0.1%	
377,150	Blount	
	International, Inc.,	
	Initial Term Loan,	
	6.216%, 4/12/23	\$383,514
	Total Capital	
	Goods	\$3,405,702
	CONSUMER	
	SERVICES - 0.2%	
	Education Services	
	- 0.2%	
722,304	Cengage Learning	
	Acquisitions, Inc.,	
	2016 Refinancing	
	Term Loan,	
	5.339%, 6/7/23	\$684,383
	Total Consumer	
	Services	\$684,383
	ENERGY - 1.4%	
	Oil & Gas Drilling	
	- 0.7%	
1,345,000	Gavilan Resources	
	LLC, Second Lien	
	Initial Term Loan,	
	7.076%, 3/1/24	\$1,281,112
1,050,500	Jonah Energy	
	LLC, Second Lien	
	Initial Term Loan,	
	7.726%, 5/12/21	1,016,359
		\$2,297,471
	Oil & Gas	
	Exploration &	
	Production - 0.2%	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

500,000	Chesapeake Energy Corp., Term Loan Class A, 8.686%, 8/23/21	\$534,844
1,365,000	Pipeline - 0.5% Summit Midstream Partners Holdings LLC, Term Loan Credit Facility, 7.226%, 5/13/22	\$1,383,769
	Total Energy	\$4,216,084
	FOOD, BEVERAGE & TOBACCO - 0.2% Agricultural Products - 0.2%	
500,000	NVA Holdings, Inc., Second Lien Term Loan, 8.296%, 8/14/22	\$505,625
	Total Food, Beverage & Tobacco	\$505,625
	HEALTH CARE EQUIPMENT & SERVICES - 0.6% Health Care Services - 0.3%	
994,937	HC Group Holdings III, Inc., First Lien Initial Term Loan, 6.226%, 4/7/22	\$992,450
198,995	nThrive, Inc. (fka Precyse Acquisition Corp.), Additional Term B-2 Loan, 5.726%, 10/20/22	200,425 \$1,192,875
	Health Care Technology - 0.3% Medical Card System, Inc., Term Loan, 1.5%, 5/31/19	\$853,713
1,313,405(c)	Total Health Care Equipment & Services	\$2,046,588

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Principal Amount USD (\$)		Value
	HOUSEHOLD & PERSONAL PRODUCTS - 0.5%	
836,719	Household Products - 0.3% Redbox Automated Retail LLC, First Lien Term B Loan, 8.5%, 9/27/21	\$841,599
897,739	Personal Products - 0.2% Revlon Consumer Products Corp., Initial Term B Loan, 4.726%, 9/7/23	\$839,199
	Total Household & Personal Products	\$1,680,798
	INSURANCE - 0.6%	
1,885,452	Property & Casualty Insurance - 0.6% Confie Seguros Holding II Co., Second Lien Term Loan, 11.046%, 5/8/19	\$1,857,171
	Total Insurance	\$1,857,171
	MATERIALS - 0.5%	
126,586(d)(e)	Diversified Metals & Mining - 0.0%† PT Bakrie & Brothers Tbk, Facility Term Loan B, 8.152%, 9/28/17	\$ 13,291
1,240,247	Paper Packaging - 0.4% Caraustar Industries, Inc.,	\$1,243,347

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Refinancing Term Loan, 6.796%, 3/14/22	
349,054	Paper Products - 0.1% Ranpak Corp., Second Lien Initial Term Loan, 8.422%, 10/3/22	\$348,182
	Total Materials	\$1,604,820
103,812	MEDIA - 0.9% Publishing - 0.9% Lee Enterprises, Inc., First Lien Term Loan, 7.476%, 3/31/19	\$104,331
2,796,750	McGraw-Hill Global Education Holdings LLC, First Lien Term B Loan, 5.226%, 5/4/22	2,758,644
	Total Media	\$2,862,975
987,837	RETAILING - 0.3% Automotive Retail - 0.3% CWGS Group LLC, Term Loan, 4.743%, 11/8/23	\$994,382
	Total Retailing	\$994,382
500,000	SOFTWARE & SERVICES - 0.2% Application Software - 0.2% STG-Fairway Acquisitions, Inc., First Lien Term Loan, 6.546%, 6/30/22	\$460,625
	Total Software & Services	\$460,625
	TOTAL SENIOR SECURED FLOATING RATE LOAN	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

		INTERESTS (Cost \$20,773,837)	\$20,319,153
		CORPORATE BONDS & NOTES - 114.9% of Net Assets	
		AUTOMOBILES & COMPONENTS - 1.9%	
EUR	360,000(f)	Auto Parts & Equipment - 1.0%	
		IHO Verwaltungs GmbH, 3.25% (4.0% PIK 0.0% cash), 9/15/23 (144A)	\$421,472
EUR	840,000(f)	IHO Verwaltungs GmbH, 3.75% (4.5% PIK 0.0% cash), 9/15/26 (144A)	1,000,224
	1,744,000(g)	International Automotive Components Group SA, 9.125%, 6/1/18 (144A)	1,704,760 \$3,126,456
		Automobile Manufacturers - 0.9%	
	600,000	Dana Financing Luxembourg S.a.r.l., 5.75%, 4/15/25 (144A)	\$621,000
	2,020,000	TI Group Automotive Systems LLC, 8.75%, 7/15/23 (144A)	2,136,150 \$2,757,150
		Total Automobiles & Components	\$5,883,606
		BANKS - 4.7%	
		Diversified Banks - 2.0%	
	1,200,000	Access Bank Plc, 10.5%, 10/19/21 (144A)	\$1,292,544
	200,000(a)		199,500

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Banco Nacional de Comercio Exterior SNC, 3.8%, 8/11/26 (144A)	
600,000(a)(g)(h)	Bank of America Corp., 6.5%	667,158
1,239,000(a)(g)(h)	Goldman Sachs Capital II, 4.0%	1,075,626
675,000(a)(h)	Intesa Sanpaolo S.p.A., 7.7% (144A)	701,156
200,000(a)(h)	Royal Bank of Scotland Group Plc, 7.5%	206,400
1,000,000(a)(g)(h)	Royal Bank of Scotland Group Plc, 8.625%	1,090,000
980,000(a)(h)	Societe Generale SA, 7.375% (144A)	1,053,500
		\$6,285,884
	Thrifts & Mortgage Finance - 2.7%	
3,415,000	Provident Funding Associates LP / PFG Finance Corp., 6.375%, 6/15/25 (144A)	\$3,500,375
4,825,000(g)	Provident Funding Associates LP / PFG Finance Corp., 6.75%, 6/15/21 (144A)	4,991,462
		\$8,491,837
	Total Banks	\$14,777,721
	CAPITAL	
	GOODS - 5.7%	
	Aerospace & Defense - 1.3%	
1,085,000(g)	Engility Corp., 8.875%, 9/1/24	\$1,178,582
300,000	Triumph Group, Inc., 4.875%, 4/1/21	298,125
2,475,000	Triumph Group, Inc., 5.25%, 6/1/22	2,459,531
		\$3,936,238

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Principal Amount USD (\$)		Value
1,890,000(g)	Agricultural & Farm Machinery - 0.6% Titan International, Inc., 6.875%, 10/1/20	\$1,960,875
400,000	Building Products - 0.1% Griffon Corp., 5.25%, 3/1/22	\$407,500
486,498(f)(g)	Construction & Engineering - 0.3% Abengoa Abenewco 2 SAU, 0.25% (0.25% PIK 0.0% cash), 3/31/23 (144A)	\$ 53,515
975,000	Tutor Perini Corp., 6.875%, 5/1/25 (144A)	1,026,187 \$1,079,702
330,000(g)	Construction Machinery & Heavy Trucks - 0.1% Meritor, Inc., 6.25%, 2/15/24	\$344,025
1,050,000	Industrial Conglomerates - 0.8% CSVC Acquisition Corp., 7.75%, 6/15/25 (144A)	\$1,072,312
1,070,000	JB Poindexter & Co., Inc., 9.0%, 4/1/22 (144A)	1,122,163
335,000	Park-Ohio Industries, Inc., 6.625%, 4/15/27 (144A)	351,750 \$2,546,225
2,575,000(g)	Industrial Machinery - 1.6%	\$2,394,750

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Apex Tool Group LLC, 7.0%, 2/1/21 (144A)	
2,010,000(g)	Cleaver-Brooks, Inc., 8.75%, 12/15/19 (144A)	2,072,812
500,000	EnPro Industries, Inc., 5.875%, 9/15/22 (144A)	521,250 \$4,988,812
	Trading Companies & Distributors - 0.9%	
2,580,000(g)	H&E Equipment Services, Inc., 7.0%, 9/1/22	\$2,683,200
	Total Capital Goods	\$17,946,577
	COMMERCIAL & PROFESSIONAL SERVICES - 0.7%	
	Commercial Printing - 0.3%	
1,295,000(g)	Cenveo Corp., 6.0%, 8/1/19 (144A)	\$1,094,275
	Security & Alarm Services - 0.4%	
1,015,000(g)	Prime Security Services Borrower LLC / Prime Finance, Inc., 9.25%, 5/15/23 (144A)	\$1,102,960
	Total Commercial & Professional Services	\$2,197,235
	CONSUMER DURABLES & APPAREL - 2.9%	
	Homebuilding - 2.8%	
475,000	Beazer Homes USA, Inc., 6.75%, 3/15/25	\$495,188

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	1,235,000(g)	Beazer Homes USA, Inc., 8.75%, 3/15/22	1,377,025
	800,000(g)	Brookfield Residential Properties, Inc., 6.375%, 5/15/25 (144A)	828,000
	1,500,000	KB Home, 7.0%, 12/15/21	1,680,000
	790,000(g)	KB Home, 7.5%, 9/15/22	891,712
	1,035,000	KB Home, 7.625%, 5/15/23	1,161,788
	1,975,000(g)	Rialto Holdings LLC / Rialto Corp., 7.0%, 12/1/18 (144A)	2,004,625
	565,000(g)	Taylor Morrison Communities, Inc. / Taylor Morrison Holdings II, Inc., 5.625%, 3/1/24 (144A)	590,425 \$9,028,763
	185,000	Housewares & Specialties - 0.1% American Greetings Corp., 7.875%, 2/15/25 (144A)	\$200,031
		Total Consumer Durables & Apparel	\$9,228,794
	415,000	CONSUMER SERVICES - 7.3% Casinos & Gaming - 3.3% Codere Finance 2 Luxembourg SA, 7.625%, 11/1/21 (144A)	\$412,303
EUR	1,575,000	Intralot Capital Luxembourg SA, 6.75%, 9/15/21 (144A)	1,898,951
	751,280(d)(f)	Mashantucket Western Pequot	9,166

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Tribe, 6.5% (5.5% PIK 1.0% cash), 7/1/36	
1,700,000(g)	MGM Resorts International, 6.0%, 3/15/23	1,874,250
1,225,000	Scientific Games International, Inc., 6.25%, 9/1/20	1,214,281
2,350,000(g)	Scientific Games International, Inc., 6.625%, 5/15/21	2,338,250
2,565,000(g)	Scientific Games International, Inc., 10.0%, 12/1/22	2,811,881 \$10,559,082
	Hotels, Resorts & Cruise Lines - 1.8%	
680,000	Hilton Grand Vacations Borrower LLC / Hilton Grand Vacations Borrower, Inc., 6.125%, 12/1/24 (144A)	\$741,200
540,000	Silversea Cruise Finance, Ltd., 7.25%, 2/1/25 (144A)	575,775
2,790,000	Viking Cruises, Ltd., 6.25%, 5/15/25 (144A)	2,810,925
1,425,000	Viking Cruises, Ltd., 8.5%, 10/15/22 (144A)	1,496,250 \$5,624,150
	Restaurants - 1.0%	
1,045,000(g)	Landry's, Inc., 6.75%, 10/15/24 (144A)	\$1,069,819
2,000,000(g)	PF Chang's China Bistro, Inc., 10.25%, 6/30/20 (144A)	2,040,000 \$3,109,819

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Specialized Consumer Services - 1.2%	
1,795,000(g)	Monitronics International, Inc., 9.125%, 4/1/20	\$1,709,737
2,010,000(g)	StoneMor Partners LP / Cornerstone Family Services of WV, 7.875%, 6/1/21	1,994,925 \$3,704,662
	Total Consumer Services	\$22,997,713
	DIVERSIFIED FINANCIALS - 3.7%	
	Consumer Finance - 1.3%	
1,030,000(g)	Jefferies Finance LLC / JFIN Co-Issuer Corp., 7.375%, 4/1/20 (144A)	\$1,055,750
735,000(g)	Navient Corp., 6.625%, 7/26/21	791,044
500,000	Quicken Loans, Inc., 5.75%, 5/1/25 (144A)	516,250
1,720,000(g)	TMX Finance LLC / TitleMax Finance Corp., 8.5%, 9/15/18 (144A)	1,634,000 \$3,997,044
Principal Amount USD (\$)		Value
	Diversified Capital Markets - 0.2%	
700,000(a)(g)(h)	Credit Suisse Group AG, 7.5% (144A)	\$784,903
	Other Diversified Financial Services - 1.0%	
3,000,000(c)(i)	Fixed Income Trust Series 2013-A, 0.0%, 10/15/97 (144A)	\$3,179,763

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	425,000(g)	Specialized Finance - 1.1%	
		Nationstar Mortgage LLC / Nationstar Capital Corp., 6.5%, 7/1/21	\$434,562
	2,845,000(g)	Nationstar Mortgage LLC / Nationstar Capital Corp., 6.5%, 6/1/22	2,923,238
			\$3,357,800
IDR	5,800,000,000	Supranational - 0.1% European Investment Bank, 7.2%, 7/9/19 (144A)	\$441,566
		Total Diversified Financials	\$11,761,076
	305,000	ENERGY - 22.6% Integrated Oil & Gas - 0.6% Ascent Resources Utica Holdings LLC / ARU Finance Corp., 10.0%, 4/1/22 (144A)	\$305,000
	650,000	Petrobras Global Finance BV, 7.375%, 1/17/27	687,700
	750,000	YPF SA, 8.875%, 12/19/18 (144A)	803,550
			\$1,796,250
	280,000	Oil & Gas Drilling - 1.5% Rowan Cos., Inc., 4.875%, 6/1/22	\$259,700
	2,434,000	Rowan Cos., Inc., 5.4%, 12/1/42	1,715,970
	131,000	Rowan Cos., Inc., 5.85%, 1/15/44	97,267
	1,630,711(g)	Shelf Drilling Holdings, Ltd., 9.5%, 11/2/20	1,581,790

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

1,150,000	(144A) Trinidad Drilling, Ltd., 6.625%, 2/15/25 (144A)	1,092,500 \$4,747,227
1,308,000	Oil & Gas Equipment & Services - 1.1% Archrock Partners LP / Archrock Partners Finance Corp., 6.0%, 4/1/21	\$1,275,300
690,000	Archrock Partners LP / Archrock Partners Finance Corp., 6.0%, 10/1/22	669,300
1,020,000(g)	McDermott International, Inc., 8.0%, 5/1/21 (144A)	1,027,650
545,000	Weatherford International, Ltd., 8.25%, 6/15/23	545,000 \$3,517,250
900,000	Oil & Gas Exploration & Production - 10.0% Alta Mesa Holdings LP / Alta Mesa Finance Services Corp., 7.875%, 12/15/24 (144A)	\$906,750
2,350,000(g)	California Resources Corp., 8.0%, 12/15/22 (144A)	1,486,375
525,000	Carrizo Oil & Gas, Inc., 7.5%, 9/15/20	534,187
502,000	Chesapeake Energy Corp., 8.0%, 12/15/22 (144A)	530,865
550,000	Chesapeake Energy Corp., 8.0%, 1/15/25 (144A)	544,500

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

760,000	Chesapeake Energy Corp., 8.0%, 6/15/27 (144A)	746,700
860,000(g)	Extraction Oil & Gas, Inc. / Extraction Finance Corp., 7.875%, 7/15/21 (144A)	883,650
1,220,000	Great Western Petroleum LLC / Great Western Finance, Inc., 9.0%, 9/30/21 (144A)	1,204,750
1,570,000	Gulfport Energy Corp., 6.0%, 10/15/24 (144A)	1,526,825
1,000,000	Gulfport Energy Corp., 6.375%, 5/15/25 (144A)	985,000
600,000	Halcon Resources Corp., 6.75%, 2/15/25 (144A)	540,000
2,035,000(g)	Halcon Resources Corp., 12.0%, 2/15/22 (144A)	2,299,550
300,000	MEG Energy Corp., 6.5%, 1/15/25 (144A)	273,000
2,450,000	MEG Energy Corp., 7.0%, 3/31/24 (144A)	1,904,875
330,000	Murphy Oil Corp., 6.875%, 8/15/24	344,850
1,185,000	Oasis Petroleum, Inc., 6.875%, 3/15/22	1,149,450
1,920,032(f)	PetroQuest Energy, Inc., 10.0% (9.0% PIK 1.0% cash), 2/15/21	1,377,623
1,800,000(g)	Rice Energy, Inc., 6.25%, 5/1/22	1,881,000
2,935,000(g)	Sanchez Energy Corp., 7.75%, 6/15/21	2,656,175
3,000,000(g)	Seven Generations Energy, Ltd., 8.25%, 5/15/20 (144A)	3,127,500

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

2,083,000	SM Energy Co., 6.5%, 1/1/23	1,984,058
625,000(g)	Whiting Petroleum Corp., 5.0%, 3/15/19	621,094
2,015,000(g)	Whiting Petroleum Corp., 5.75%, 3/15/21	1,894,100
950,000(g)	WPX Energy, Inc., 7.5%, 8/1/20	997,500
995,000(g)	WPX Energy, Inc., 8.25%, 8/1/23	1,079,575
		\$31,479,952
	Oil & Gas Refining & Marketing - 2.0%	
3,859,000(g)	Calumet Specialty Products Partners LP / Calumet Finance Corp., 6.5%, 4/15/21	\$3,338,035
750,000(g)	Calumet Specialty Products Partners LP / Calumet Finance Corp., 7.75%, 4/15/23 (144A)	652,500
457,895(b)	EP PetroEcuador via Noble Sovereign Funding I, Ltd., 6.925%, 9/24/19	456,750
1,350,000	PBF Holding Co. LLC / PBF Finance Corp., 7.0%, 11/15/23	1,329,750
385,000(g)	PBF Logistics LP / PBF Logistics Finance Corp., 6.875%, 5/15/23	390,775
		\$6,167,810
	Oil & Gas Services & Equipment - 0.2%	
635,000	Exterran Energy Solutions LP / EES Finance Corp., 8.125%, 5/1/25	\$647,700

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Principal Amount USD (\$)	(144A)	Value
1,145,000	Oil & Gas Storage & Transportation - 7.2% Blue Racer Midstream LLC / Blue Racer Finance Corp., 6.125%, 11/15/22 (144A)	\$1,153,587
250,000	Cheniere Corpus Christi Holdings LLC, 7.0%, 6/30/24	278,125
875,000(g)	Oil & Gas Storage & Transportation - (continued) Crestwood Midstream Partners LP / Crestwood Midstream Finance Corp., 6.25%, 4/1/23	\$888,125
910,000	DCP Midstream Operating LP, 5.6%, 4/1/44	857,675
1,210,000	Delek Logistics Partners LP, 6.75%, 5/15/25 (144A)	1,222,100
1,524,000(b)(g)	Energy Transfer LP, 4.187%, 11/1/66	1,318,260
248,000	EnLink Midstream Partners LP, 5.05%, 4/1/45	230,148
717,000	EnLink Midstream Partners LP, 5.6%, 4/1/44	723,745
350,000(a)(g)	Enterprise Products Operating LLC, 4.877%, 8/1/66	351,313
2,500,000(g)	Genesis Energy LP / Genesis Energy	2,506,250

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

1,410,000(g)	Finance Corp., 6.75%, 8/1/22	
	Global Partners LP / GLP Finance Corp., 6.25%, 7/15/22	1,417,050
2,175,000(g)	Global Partners LP / GLP Finance Corp., 7.0%, 6/15/23	2,164,125
1,850,000	ONEOK, Inc., 6.875%, 9/30/28	2,007,250
2,500,000(g)	Sunoco LP / Sunoco Finance Corp., 6.375%, 4/1/23	2,627,000
360,000	Targa Resources Partners LP / Targa Resources Partners Finance Corp., 4.125%, 11/15/19	364,050
1,185,000	Western Refining Logistics LP / WNRL Finance Corp., 7.5%, 2/15/23	1,276,838
3,040,000(g)	Williams Cos., Inc., 5.75%, 6/24/44	3,138,800
		\$22,524,441
	Total Energy	\$70,880,630
	FOOD & STAPLES RETAILING - 0.5%	
950,000	Food Retail - 0.5% C&S Group Enterprises LLC, 5.375%, 7/15/22 (144A)	\$935,750
805,000(g)	Tops Holding LLC / Tops Markets II Corp., 8.0%, 6/15/22 (144A)	661,106
	Total Food & Staples Retailing	\$1,596,856

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	FOOD, BEVERAGE & TOBACCO - 6.0%	
	Agricultural Products - 0.4%	
1,037,796(g)	Pinnacle Operating Corp., 9.0%, 5/15/23 (144A)	\$985,906
575,000(d)	Tonon Luxembourg SA, 10.5%, 5/14/24 (144A)	241,500 \$1,227,406
	Packaged Foods & Meats - 4.2%	
840,000(d)	CFG Investment SAC, 9.75%, 7/30/19 (144A)	\$789,600
1,240,000(g)	Marfrig Holding Europe BV, 6.875%, 6/24/19 (144A)	1,269,450
750,000	Marfrig Holding Europe BV, 8.0%, 6/8/23 (144A)	761,400
1,000,000	Marfrig Holding Europe BV, 8.375%, 5/9/18 (144A)	1,032,500
1,200,000	Marfrig Holding Europe BV, 11.25%, 9/20/21 (144A)	1,201,500
1,240,000(g)	Minerva Luxembourg SA, 6.5%, 9/20/26 (144A)	1,207,450
3,400,000(g)	Minerva Luxembourg SA, 7.75%, 1/31/23 (144A)	3,557,250
1,250,000(g)	Post Holdings, Inc., 5.0%, 8/15/26 (144A)	1,246,875
2,000,000(g)	Post Holdings, Inc., 6.0%, 12/15/22 (144A)	2,120,000 \$13,186,025
	Soft Drinks - 0.5%	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

1,625,000(g)	Cott Beverages, Inc., 5.375%, 7/1/22	\$1,683,906
340,000	Tobacco - 0.9% Alliance One International, Inc., 8.5%, 4/15/21 (144A)	\$354,450
2,645,000(g)	Alliance One International, Inc., 9.875%, 7/15/21	2,301,150 \$2,655,600
	Total Food, Beverage & Tobacco	\$18,752,937
	HEALTH CARE EQUIPMENT & SERVICES - 5.5% Health Care Facilities - 4.4% CHS/Community Health Systems, Inc., 6.875%, 2/1/22	\$2,940,169
3,365,000(g)	CHS/Community Health Systems, Inc., 8.0%, 11/15/19	613,050
610,000(g)	Kindred Healthcare, Inc., 6.375%, 4/15/22	2,364,000
2,400,000(g)	Kindred Healthcare, Inc., 8.0%, 1/15/20	2,100,000
2,000,000(g)	RegionalCare Hospital Partners Holdings, Inc., 8.25%, 5/1/23 (144A)	2,724,150
2,540,000(g)	Tenet Healthcare Corp., 7.5%, 1/1/22 (144A)	390,528
360,000	Universal Hospital Services, Inc., 7.625%, 8/15/20	2,875,987 \$14,007,884
2,830,000(g)		

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

2,250,000(g)	Health Care Services - 1.1%	
	BioScrip, Inc., 8.875%, 2/15/21	\$2,036,250
1,340,000	Team Health Holdings, Inc., 6.375%, 2/1/25 (144A)	1,299,800
		\$3,336,050
	Total Health Care Equipment & Services	\$17,343,934
	HOUSEHOLD & PERSONAL PRODUCTS - 1.5%	
2,220,000	Household Products - 0.7%	
	Springs Industries, Inc., 6.25%, 6/1/21	\$2,294,925
2,725,000	Personal Products - 0.8%	
	Revlon Consumer Products Corp., 6.25%, 8/1/24	\$2,370,750
	Total Household & Personal Products	\$4,665,675
3,075,000(a)(g)	INSURANCE - 7.8%	
	Multi-Line Insurance - 2.1%	
	Liberty Mutual Group, Inc., 10.75%, 6/15/58 (144A)	\$4,873,875
1,100,000(g)	MetLife, Inc., 10.75%, 8/1/39	1,831,500
		\$6,705,375
5,300,000(g)	Property & Casualty Insurance - 2.2%	
	Hanover Insurance Corp., 7.625%, 10/15/25	\$6,473,060

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Principal Amount USD (\$)		Value
265,000(a)(g)(h)	Property & Casualty Insurance - (continued) Sirius International Group, Ltd., 7.506% (144A)	\$265,994 \$6,739,054
500,000(b)	Reinsurance - 3.5% Alamo Re, Ltd., 5.821%, 6/7/18 (144A) (Cat Bond)	\$506,950
500,000(j)(k)	Arlington Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 8/1/17	24,300
700,000(j)(k)	Carnoustie Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 12/31/17	14,280
700,000(j)(k)	Carnoustie Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/20	75,740
1,000,000(j)(k)	Carnoustie Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/21	1,024,900
500,000(j)(k)	Cyprus Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 1/10/18	456,250
1,300,000(j)(k)	Gullane Segregated Account (Artex SAC, Ltd.), Variable Rate	28,340

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

1,000,000(j)(k)	Notes, 11/30/20 Gullane Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/21	1,053,100
750,000(b)	Kilimanjaro Re, Ltd., 5.761%, 4/30/18 (144A) (Cat Bond)	747,525
250,000(b)	Kilimanjaro Re, Ltd., Series 2015-1, Class D, 10.261%, 12/6/19 (144A) (Cat Bond)	249,450
250,000(b)	Kilimanjaro Re, Ltd., Series 2015-1, Class E, 7.761%, 12/6/19 (144A) (Cat Bond)	252,675
1,000,000(j)(k)	Lahinch Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 5/10/21	17,800
250,000(l)	Limestone Re, Ltd., Series 1, Class A Non Voting, 8/31/21 (Cat Bond)	253,250
250,000(l)	Limestone Re, Ltd., Series 1, Class A Voting, 8/31/21 (Cat Bond)	253,250
760,000(j)(k)	Lorenz Re, Ltd. (Prime, Ltd.), Variable Rate Notes, 3/31/18	4,408
800,000(j)(k)	Lorenz Re, Ltd. (Prime, Ltd.), Variable Rate Notes, 3/31/19	44,800
400,000(j)(k)	Lorenz Re, Ltd. (Prime, Ltd.), Variable Rate Notes, 3/31/20	408,040
1,000,000(j)(k)		4,500

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	1,000,000(j)(k)	Pangaea Re Segregated Account (Artex SAC, Ltd.), Series 2015-1, Variable Rate Notes, 2/1/19	
	1,200,000(j)(k)	Pangaea Re Segregated Account (Artex SAC, Ltd.), Series 2015-2, Variable Rate Notes, 7/1/19	76,900
	1,000,000(j)(k)	Pangaea Re Segregated Account (Artex SAC, Ltd.), Series 2016-1, Variable Rate Notes, 2/1/20	110,280
	500,000(j)(k)	Pangaea Re Segregated Account (Artex SAC, Ltd.), Series 2016-2, Variable Rate Notes, 11/30/20	53,800
	400,000(j)(k)	Pangaea Re Segregated Account (Artex SAC, Ltd.), Series 2017-1, Variable Rate Notes, 11/30/21	519,600
	400,000(j)(k)	Resilience Re, Ltd., Variable Rate Notes, 7/7/17	8,600
AUD	300,000(j)(k)	Resilience Re, Ltd., Variable Rate Notes, 4/6/18	366,760
	3,791(j)(k)	Rewire Securities LLC, Variable Rate Notes, 1/10/18	180,704
	1,211(j)(k)	Sector Re V, Ltd. (Swiss Re), Series 5, Class C, Variable Rate Notes, 12/1/20 (144A)	28,123
		Sector Re V, Ltd. (Swiss Re), Series 6, Class A,	93,077

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Variable Rate Notes, 3/1/21 (144A)	
800,000(j)(k)	Sector Re V, Ltd. (Swiss Re), Series 6, Class D, Variable Rate Notes, 12/1/21 (144A)	840,320
500,000(j)(k)	Sector Re V, Ltd. (Swiss Re), Series 7, Class G, Variable Rate Notes, 3/1/22 (144A)	504,750
800,000(j)(k)	Silverton Re, Ltd. (Aon Benfield Securities, Inc.), Variable Rate Notes, 9/18/17 (144A)	1,600
500,000(j)(k)	Silverton Re, Ltd. (Aon Benfield Securities, Inc.), Variable Rate Notes, 9/17/18 (144A)	24,400
500,000(j)(k)	Silverton Re, Ltd. (Aon Benfield Securities, Inc.), Variable Rate Notes, 9/16/19 (144A)	537,450
500,000(j)(k)	St. Andrews Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 12/31/17	9,850
500,000(j)(k)	St. Andrews Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 2/1/18	70,300
500,000(j)(k)	St. Andrews Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 2/1/19	526,300

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

500,000(b)	Ursa Re, Ltd., 6.0%, 5/27/20 (144A) (Cat Bond)	500,400
1,250,000(j)(k)	Versutus, Ltd. (MMC Securities), Series 2016-A, Variable Rate Notes, 11/30/20	54,625
1,000,000(j)(k)	Versutus, Ltd. (MMC Securities), Series 2017-A, Variable Rate Notes, 11/30/21	1,025,900
		\$10,953,297
	Total Insurance	\$24,397,726
	MATERIALS - 11.2%	
	Commodity	
	Chemicals - 3.3%	
3,250,000(g)	Basell Finance Co., BV, 8.1%, 3/15/27 (144A)	\$4,310,702
2,316,000	Rain CII Carbon LLC / CII Carbon Corp., 7.25%, 4/1/25 (144A)	2,391,270
3,625,000(g)	Rain CII Carbon LLC / CII Carbon Corp., 8.25%, 1/15/21 (144A)	3,779,063
		\$10,481,035
	Copper - 1.1%	
1,065,000	First Quantum Minerals, Ltd., 7.25%, 4/1/23 (144A)	\$1,041,037
Principal Amount USD (\$)		Value
	Copper - (continued)	
2,420,000(g)	Freeport-McMoRan, Inc., 3.55%, 3/1/22	\$2,267,976
		\$3,309,013

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

225,000	Diversified Chemicals - 0.9% Alpha 3 BV / Alpha US Bidco, Inc., 6.25%, 2/1/25 (144A)	\$231,469
210,000(g)	Blue Cube Spinco, Inc., 9.75%, 10/15/23	254,100
210,000(g)	Blue Cube Spinco, Inc., 10.0%, 10/15/25	258,825
1,660,000(g)	Evolution Escrow Issuer LLC, 7.5%, 3/15/22 (144A)	1,709,800
305,000(g)	Platform Specialty Products Corp., 10.375%, 5/1/21 (144A)	337,406 \$2,791,600
253,000(g)	Diversified Metals & Mining - 1.4% Boart Longyear Management Pty, Ltd., 10.0%, 10/1/18 (144A)	\$197,340
725,000(g)	FMG Resources August 2006 Pty, Ltd., 9.75%, 3/1/22 (144A)	825,594
600,000	Hudbay Minerals, Inc., 7.25%, 1/15/23 (144A)	618,750
750,000	Hudbay Minerals, Inc., 7.625%, 1/15/25 (144A)	785,625
1,410,000	Prince Mineral Holding Corp., 11.5%, 12/15/19 (144A)	1,445,250
145,000	Teck Resources, Ltd., 8.5%, 6/1/24 (144A)	167,475
340,000	Vale Overseas, Ltd., 6.25%, 8/10/26	366,775 \$4,406,809
	Fertilizers & Agricultural	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	420,000	Chemicals - 0.1% CVR Partners LP / CVR Nitrogen Finance Corp., 9.25%, 6/15/23 (144A)	\$439,425
	1,655,000(g)	Forest Products - 0.5% Eldorado International Finance GmbH, 8.625%, 6/16/21 (144A)	\$1,626,865
EUR	400,000(f)	Metal & Glass Containers - 1.4% ARD Finance SA, 6.625% (7.375% PIK 0.0% cash), 9/15/23	\$484,635
	400,000(f)(g)	ARD Finance SA, 7.125% (7.875% PIK 0.0% cash), 9/15/23	426,960
	1,010,000(g)	Ardagh Packaging Finance Plc / Ardagh Holdings USA, Inc., 7.25%, 5/15/24 (144A)	1,104,687
	1,085,000(g)	Coveris Holdings SA, 7.875%, 11/1/19 (144A)	1,068,725
	1,035,000(g)	Reynolds Group Issuer, Inc., 7.0%, 7/15/24 (144A)	1,110,260 \$4,195,267
EUR	3,105,000	Paper Packaging - 1.2% SIG Combibloc Holdings SCA, 7.75%, 2/15/23 (144A)	\$3,773,367
	1,075,000(g)	Specialty Chemicals - 1.0% A Schulman, Inc., 6.875%, 6/1/23	\$1,136,812
	500,000(g)	GCP Applied Technologies, Inc.,	568,750

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	9.5%, 2/1/23 (144A)	
400,000(g)	Hexion US Finance Corp., 6.625%, 4/15/20	365,000
320,000	Koppers, Inc., 6.0%, 2/15/25 (144A)	340,000
595,000	Tronox Finance LLC, 6.375%, 8/15/20	596,488 \$3,007,050
	Steel - 0.3%	
460,000	SunCoke Energy Partners LP / SunCoke Energy Partners Finance Corp., 7.5%, 6/15/25 (144A)	\$454,250
635,000(g)	Zekelman Industries, Inc., 9.875%, 6/15/23 (144A)	713,581 \$1,167,831
	Total Materials	\$35,198,262
	MEDIA - 3.7%	
	Advertising - 0.8%	
2,540,000(g)	MDC Partners, Inc., 6.5%, 5/1/24 (144A)	\$2,533,650
	Broadcasting - 0.4%	
535,000	CBS Radio, Inc., 7.25%, 11/1/24 (144A)	\$551,050
670,000(g)	CSC Holdings LLC, 5.5%, 4/15/27 (144A)	708,525 \$1,259,575
	Cable & Satellite - 1.5%	
1,885,000	DISH DBS Corp., 7.75%, 7/1/26	\$2,233,725
2,000,000	Hughes Satellite Systems Corp., 6.625%, 8/1/26	2,150,000

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

205,000(g)	Intelsat Connect Finance SA, 12.5%, 4/1/22 (144A)	184,244 \$4,567,969
675,000	Movies & Entertainment - 1.0% AMC Entertainment Holdings, Inc., 6.125%, 5/15/27 (144A)	\$712,334
1,400,000(g)	Gibson Brands, Inc., 8.875%, 8/1/18 (144A)	1,244,250
1,115,000	Regal Entertainment Group, 5.75%, 2/1/25	1,151,238 \$3,107,822
	Total Media	\$11,469,016
	PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES - 3.7% Pharmaceuticals - 3.7%	
1,695,000(g)	Endo Finance LLC / Endo, Ltd. / Endo Finco, Inc., 6.0%, 7/15/23 (144A)	\$1,424,647
2,540,000(g)	Endo Finance LLC / Endo, Ltd. / Endo Finco, Inc., 6.0%, 2/1/25 (144A)	2,070,100
145,000	Horizon Pharma, Inc. / Horizon Pharma USA, Inc., 8.75%, 11/1/24 (144A)	147,175
1,155,000	Horizon Pharma, Inc., 6.625%, 5/1/23	1,085,700
1,508,000(g)	Patheon Holdings I BV, 7.5%, 2/1/22 (144A)	1,602,250
EUR 575,000		538,415

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

EUR	1,265,000	VRX Escrow Corp., 4.5%, 5/15/23	
	3,130,000(g)	VRX Escrow Corp., 4.5%, 5/15/23 (144A)	1,184,512
	920,000	VRX Escrow Corp., 5.875%, 5/15/23 (144A)	2,683,975
		VRX Escrow Corp., 7.0%, 3/15/24 (144A)	967,150
		Total	
		Pharmaceuticals, Biotechnology & Life Sciences	\$11,703,924
	Principal Amount USD (\$)		Value
	988,532(f)	REAL ESTATE - 1.4%	
		Specialized REITs - 1.4%	
	3,480,000(g)	AAF Holdings LLC / AAF Finance Co., 12.0% (12.75% PIK 12.0% cash), 7/1/19 (144A)	\$1,033,016
		Uniti Group, Inc. / CSL Capital LLC, 8.25%, 10/15/23	3,584,400
		Total Real Estate	\$4,617,416
	1,385,000(g)	RETAILING - 1.5%	
		Automotive Retail - 0.7%	
	775,000	Asbury Automotive Group, Inc., 6.0%, 12/15/24	\$1,409,238
		Hertz Corp., 7.625%, 6/1/22 (144A)	773,140
			\$2,182,378
	935,000(g)	Department Stores - 0.8%	
		Argos Merger Sub, Inc., 7.125%,	\$832,150

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

1,425,000	3/15/23 (144A) Argos Merger Sub, Inc., 8.875%, 6/1/25 (144A)	1,316,130
900,000(g)	Neiman Marcus Group, Ltd., LLC, 8.0%, 10/15/21 (144A)	497,250
		\$2,645,530
	Total Retailing	\$4,827,908
	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -	
	0.7%	
	Semiconductors -	
	0.7%	
425,000	Micron Technology, Inc., 5.5%, 2/1/25	\$448,375
1,715,000(g)	Micron Technology, Inc., 5.625%, 1/15/26 (144A)	1,783,600
	Total Semiconductors & Semiconductor Equipment	\$2,231,975
	SOFTWARE & SERVICES - 2.1%	
	Data Processing & Outsourced Services - 0.3%	
805,000(g)	First Data Corp., 7.0%, 12/1/23 (144A)	\$859,338
	Internet Software & Services - 0.6%	
1,500,000	Cimpress NV, 7.0%, 4/1/22 (144A)	\$1,552,500
285,000	j2 Cloud Services LLC / j2 Global, Inc., 6.0%, 7/15/25 (144A)	293,550
		\$1,846,050
	IT Consulting & Other Services - 1.2%	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

555,000(g)	Dell International LLC / EMC Corp., 7.125%, 6/15/24 (144A)	\$610,087
3,005,000	Rackspace Hosting, Inc., 8.625%, 11/15/24 (144A)	3,200,325 \$3,810,412
	Total Software & Services	\$6,515,800
	TECHNOLOGY HARDWARE & EQUIPMENT - 1.6%	
645,000(g)	Communications Equipment - 0.2% CommScope Technologies LLC, 6.0%, 6/15/25 (144A)	\$688,537
745,000(g)	Electronic Equipment & Instruments - 0.3% Zebra Technologies Corp., 7.25%, 10/15/22	\$791,563
3,055,000(g)	Technology Hardware, Storage & Peripherals - 1.1% Diebold Nixdorf, Inc., 8.5%, 4/15/24	\$3,418,087
	Total Technology Hardware & Equipment	\$4,898,187
	TELECOMMUNICATION SERVICES - 8.0%	
3,500,000(g)	Integrated Telecommunication Services - 5.3% CenturyLink, Inc., 5.625%, 4/1/25	\$3,494,155
600,000	Cincinnati Bell, Inc., 7.0%, 7/15/24 (144A)	627,120
2,890,000	Frontier Communications	2,405,925

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

1,300,000	Corp., 7.125%, 1/15/23 Frontier Communications Corp., 10.5%, 9/15/22	1,243,125
1,330,000(g)	Frontier Communications Corp., 11.0%, 9/15/25	1,233,575
1,975,000(g)	GCI, Inc., 6.75%, 6/1/21	2,024,375
1,725,000(g)	GCI, Inc., 6.875%, 4/15/25	1,865,156
4,200,000(g)	Windstream Corp., 7.5%, 6/1/22	3,748,500
		\$16,641,931
1,085,000(g)	Wireless Telecommunication Services - 2.7% Altice Financing SA, 6.625%, 2/15/23 (144A)	\$1,151,120
300,000(g)	Altice Finco SA, 8.125%, 1/15/24 (144A)	326,250
1,025,000	Digicel Group, Ltd., 8.25%, 9/30/20 (144A)	958,272
3,080,000(g)	Sprint Corp., 7.125%, 6/15/24	3,426,500
2,150,000(g)	Sprint Corp., 7.25%, 9/15/21	2,389,188
400,000	Unison Ground Lease Funding LLC, 5.78%, 3/15/20 (144A)	396,731
		\$8,648,061
	Total Telecommunication Services	\$25,289,992
	TRANSPORTATION - 2.7%	
280,000	Airlines - 1.4% Fly Leasing, Ltd., 6.375%, 10/15/21	\$293,650
1,460,000	Intrepid Aviation Group Holdings LLC / Intrepid Finance Co., 6.875%, 2/15/19	1,416,200

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

2,050,000	(144A) Intrepid Aviation Group Holdings LLC / Intrepid Finance Co., 8.25%, 7/15/17	2,044,875
600,000(g)	(144A) United Continental Holdings, Inc., 6.375%, 6/1/18	621,750 \$4,376,475
1,025,000	Marine - 0.3% Navios South American Logistics, Inc. / Navios Logistics Finance US, Inc., 7.25%, 5/1/22 (144A)	\$989,125
1,520,000	Railroads - 0.5% Florida East Coast Holdings Corp., 9.75%, 5/1/20 (144A)	\$1,632,100
Principal Amount USD (\$)		Value
2,000,000(g)	Trucking - 0.5% Syncreon Group BV / Syncreon Global Finance US, Inc., 8.625%, 11/1/21 (144A)	\$1,520,000
	Total Transportation	\$8,517,700
1,010,000(a)(g)	UTILITIES - 7.5% Electric Utilities - 1.0% Enel S.p.A., 8.75%, 9/24/73 (144A)	\$1,201,900
500,000	Stoneway Capital Corp., 10.0%, 3/1/27 (144A)	527,660
32,000	Talen Energy Supply LLC, 4.625%, 7/15/19 (144A)	31,200
1,911,000(g)		1,347,255

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	Talen Energy Supply LLC, 6.5%, 6/1/25	\$3,108,015
3,005,000(g)	Gas Utilities - 1.2%	
	Ferrellgas LP / Ferrellgas Finance Corp., 6.75%, 6/15/23	\$2,802,162
950,000	Ferrellgas LP / Ferrellgas Finance Corp., 8.625%, 6/15/20 (144A)	897,750
		\$3,699,912
	Independent Power Producers & Energy Traders - 4.9%	
2,331,000	Calpine Corp., 5.75%, 1/15/25	\$2,185,313
1,226,000	Dynegy, Inc., 8.0%, 1/15/25 (144A)	1,189,220
525,000	NRG Energy, Inc., 6.25%, 5/1/24	530,250
2,915,000(g)	NRG Energy, Inc., 6.625%, 1/15/27	2,918,644
950,000(g)	NRG Energy, Inc., 7.25%, 5/15/26 (144A)	983,250
1,687,335	NSG Holdings LLC / NSG Holdings, Inc., 7.75%, 12/15/25 (144A)	1,813,885
2,430,000(g)	TerraForm Global Operating LLC, 9.75%, 8/15/22 (144A)	2,721,600
505,000(g)(i)	TerraForm Power Operating LLC, 6.375%, 2/1/23 (144A)	525,200
2,620,000(g)(i)	TerraForm Power Operating LLC, 6.625%, 6/15/25 (144A)	2,783,750
		\$15,651,112

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

1,230,418	Multi-Utilities - 0.4%	
	Ormat Funding Corp., 8.25%, 12/30/20	\$1,230,418
	Total Utilities	\$23,689,457
	TOTAL CORPORATE BONDS & NOTES (Cost \$343,818,804)	\$361,390,117
	CONVERTIBLE BONDS & NOTES - 2.7% of Net Assets	
	CAPITAL GOODS - 1.4%	
2,625,000(g)	Construction Machinery & Heavy Trucks - 1.4%	
	Meritor, Inc., 7.875%, 3/1/26	\$4,465,781
	Total Capital Goods	\$4,465,781
	ENERGY - 0.0%† Coal & Consumable Fuels - 0.0%†	
1,905,000(d)	Alpha Appalachia Holdings, Inc., 3.25%, 12/31/17	\$ 9,525
	Total Energy	\$ 9,525
	MATERIALS - 1.3%	
4,000,000(m)	Specialty Chemicals - 1.3%	
	Hercules, Inc., 6.5%, 6/30/29	\$4,020,000
	Total Materials	\$4,020,000
	UTILITIES - 0.0%† Renewable Electricity - 0.0%†	
170,984(d)(e)(f)		\$ 222

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	LDK Solar Co., Ltd., 5.535% (5.535% PIK 0.0% cash), 12/31/18	
	Total Utilities	\$ 222
	TOTAL CONVERTIBLE BONDS & NOTES (Cost \$7,334,852)	\$8,495,528
2,405,000	SOVEREIGN DEBT OBLIGATIONS - 1.2% of Net Assets Argentina - 0.8% Provincia del Chubut Argentina, 7.75%, 7/26/26 (144A)	\$2,423,591
1,171,600(i)	Russia - 0.4% Russian Government International Bond, 7.5%, 3/31/30	\$1,405,920
	TOTAL SOVEREIGN DEBT OBLIGATIONS (Cost \$3,272,228)	\$3,829,511
1,500,000(b)	U.S. GOVERNMENT AND AGENCY OBLIGATION - 0.5% of Net Assets U.S. Treasury Notes, 1.193%, 4/30/18	\$1,502,550
	TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATION (Cost \$1,500,331)	\$1,502,550
	TAX EXEMPT OBLIGATIONS - 0.5% of Net Assets (n)	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

250,000(a)	Mississippi - 0.1% Mississippi Business Finance Corp., Chevron USA, Inc., Project, Series G, 0.89%, 12/1/30	\$250,000
1,405,000(a)	Texas - 0.4% Harris County Health Facilities Development Corp., The Methodist Hospital System, Series A-2, 0.95%, 12/1/41	\$1,405,000
	TOTAL TAX EXEMPT OBLIGATIONS (Cost \$1,655,000)	\$1,655,000
3,300,000(a)	MUNICIPAL COLLATERALIZED DEBT OBLIGATION - 0.0%† of Net Assets Non-Profit Preferred Funding Trust I, Series E, 0.0%, 9/15/37 (144A)	\$ 57,750
	TOTAL MUNICIPAL COLLATERALIZED DEBT OBLIGATION (Cost \$3,294,259)	\$ 57,750
Shares		Value
115,286(e)	COMMON STOCKS - 0.4% of Net Assets CAPITAL GOODS - 0.0%† Construction & Engineering - 0.0%† Abengoa SA, Class A	\$ 4,609
1,192,098(e)	Abengoa SA, Class B	16,339

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

		\$	20,948
	Industrial Machinery - 0.0%†		
33,171(c)(e)	Liberty Tire Recycling LLC	\$	332
	Total Capital Goods	\$	21,280
	ENERGY - 0.1%		
	Coal & Consumable Fuels - 0.0%†		
2,781(e)	Alpha Natural Resources Holdings, Inc.	\$	6,118
198(e)	Contura Energy, Inc.		12,969
		\$	19,087
	Oil & Gas Exploration & Production - 0.1%		
910(e)	Midstates Petroleum Co., Inc.	\$	11,530
40,561(e)	PetroQuest Energy, Inc.		80,311
		\$	91,841
	Total Energy		\$110,928
	HEALTH CARE EQUIPMENT & SERVICES - 0.0%†		
	Health Care Services - 0.0%†		
2,781(e)	ANR, Inc.	\$	23,638
	Health Care Technology - 0.0%†		
244,563(c)(e)	Medical Card System, Inc.	\$	2,446
	Total Health Care Equipment & Services	\$	26,084
	RETAILING - 0.0%†		
	Computer & Electronics Retail - 0.0%†		
68,241(c)(e)	Targus Cayman SubCo., Ltd.	\$	66,194
	Total Retailing	\$	66,194

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

	TRANSPORTATION	
	- 0.3%	
	Air Freight &	
	Logistics - 0.3%	
3,266(e)	CEVA Holdings	
	LLC	\$883,449
	Total	
	Transportation	\$883,449
	TOTAL	
	COMMON	
	STOCKS	
	(Cost \$4,462,108)	\$1,107,935
	CONVERTIBLE	
	PREFERRED	
	STOCKS - 1.5%	
	of Net Assets	
	BANKS - 1.3%	
	Diversified Banks -	
	1.3%	
3,355(h)	Bank of America	
	Corp., 7.25%	\$4,233,976
	Total Banks	\$4,233,976
	PHARMACEUTICALS,	
	BIOTECHNOLOGY	
	& LIFE	
	SCIENCES - 0.2%	
	Pharmaceuticals -	
	0.2%	
1,000	Teva	
	Pharmaceutical	
	Industries, Ltd.,	
	7.0%, 12/15/18	\$594,500
	Total	
	Pharmaceuticals,	
	Biotechnology &	
	Life Sciences	\$594,500
	TOTAL	
	CONVERTIBLE	
	PREFERRED	
	STOCKS	
	(Cost \$4,135,786)	\$4,828,476
	PREFERRED	
	STOCKS - 2.4%	
	of Net Assets	
	BANKS - 2.1%	
	Diversified Banks -	
	2.1%	
3,000(a)(h)	AgStar Financial	\$3,207,938
	Services ACA,	

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

132,750(a)(g)	6.75% (144A) GMAC Capital Trust I, 6.967%, 2/15/40	3,478,050
	Total Banks	\$6,685,988
	ENERGY - 0.0%† Coal & Consumable Fuels - 0.0%†	
5,233	Alpha Natural Resources Holdings, Inc.	\$ 27,036
	Total Energy	\$ 27,036
	HEALTH CARE EQUIPMENT & SERVICES - 0.1% Health Care Services - 0.1%	
5,233	ANR, Inc.	\$103,352
	Total Health Care Equipment & Services	\$103,352
	MATERIALS - 0.2% Diversified Chemicals - 0.2%	
1,062,203	Pinnacle Agriculture	\$690,432
	Total Materials	\$690,432
	TOTAL PREFERRED STOCKS (Cost \$7,218,644)	\$7,506,808
	WARRANTS - 0.0%† of Net Assets ENERGY - 0.0%† Coal & Consumable Fuels - 0.0%†	
322(e)(o)	Contura Energy, Inc.	\$ 6,440
	Oil & Gas Exploration & Production - 0.0%† Midstates Petroleum Co., Inc.	\$ -
6,448(e)(p)	Total Energy	\$ 6,440
	TOTAL WARRANTS (Cost \$908)	\$ 6,440

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Principal Amount USD (\$)		Value
1,990,000	TEMPORARY CASH INVESTMENTS - 6.1% of Net Assets REPURCHASE AGREEMENT - 0.6% \$1,990,000 ScotiaBank, 1.12%, dated 6/30/17, plus accrued interest on 7/3/17 collateralized by the following: \$2,029,990 Federal National Mortgage Association, 3.5%, 6/1/46.	\$1,990,000
4,015,000(1)	TREASURY BILLS - 5.5% U.S. Treasury Bill, 7/6/17	\$4,014,747
5,520,000(1)	U.S. Treasury Bill, 7/13/17	5,518,813
5,505,000(1)	U.S. Treasury Bill, 7/20/17	5,502,969
2,220,000(1)	U.S. Treasury Bill, 9/28/17	2,214,581
		\$17,251,110
	TOTAL TEMPORARY CASH INVESTMENTS (Cost \$19,240,179)	\$19,241,110
	TOTAL INVESTMENTS IN SECURITIES - 138.0% (Cost - \$420,924,809) (q)(r)	\$434,110,281
	OTHER ASSETS AND LIABILITIES - (38.0)%	\$(119,436,256)
	NET ASSETS - 100.0%	\$314,674,025

REIT	Real Estate Investment Trust.
(144A)	Security is exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold normally to qualified institutional buyers in a transaction exempt from registration. At June 30, 2017, the value of these securities amounted to \$198,457,740, or 63.1% of net assets.
(Cat Bond)	Catastrophe or event-linked bond. At June 30, 2017, the value of these securities amounted to \$2,763,500, or 0.9% of net assets.
†	Amount rounds to less than 0.1%.
*	Senior secured floating rate loan interests in which the Trust invests generally pay interest at rates that are periodically redetermined by reference to a base lending rate plus a premium. These base lending rates are generally (i) the lending rate offered by one or more major European banks, such as LIBOR (London InterBank Offered Rate), (ii) the prime rate offered by one or more major United States banks, (iii) the rate of a certificate of deposit or (iv) other base lending rates used by commercial lenders. The interest rate shown is the rate accruing at June 30, 2017.
(a)	The interest rate is subject to change periodically. The interest rate shown is the rate at June 30, 2017.
(b)	Floating rate note. The rate shown is the coupon rate at June 30, 2017.
(c)	Security is valued using fair value methods (other than prices supplied by independent pricing services).
(d)	Security is in default.
(e)	Non-income producing.
(f)	Payment in Kind (PIK) security which may pay interest in the form of additional principal amount.
(g)	Denotes security pledged and segregated as collateral for the credit agreement.
(h)	Security is perpetual in nature and has no stated maturity date.
(i)	Debt obligation initially issued at one coupon which converts to a higher coupon at a specific date. The rate shown is the rate at June 30, 2017.

(j) Structured reinsurance investment. At June 30, 2017, the value of these securities amounted to \$8,189,797, or 2.6% of net assets.

(k) Rate to be determined.

(l) Security issued with a zero coupon. Income is recognized through accretion of discount.

(m) Security is priced as a unit.

(n) Consists of Revenue Bonds unless otherwise indicated.

(o) Contura Energy warrants are exercisable into 322 shares.

(p) Midstates Petroleum warrants are exercisable into 6,448 shares.

(q) At June 30, 2017, the net unrealized appreciation on investments based on cost for federal tax purposes of \$422,413,808 was as follows:

Aggregate gross unrealized appreciation for all investments in which there is an excess of value over tax cost	\$32,055,465
Aggregate gross unrealized depreciation for all investments in which there is an excess of tax cost over value	(20,358,992)
Net unrealized appreciation	\$11,696,473

(r) Distributions of investments by country of issue, as a percentage of long-term holdings based on country of domicile, is as follows:

United States	80.2%
Luxembourg	4.2
Netherlands	3.4
Bermuda	2.7
Canada	2.4
Ireland	1.2
United Kingdom	1.0
Other (individually less than 1%)	4.9
	100.0%

(r) Distributions of investments by country of issue, as a percentage of long-term holdings based on country of domicile, is as follows:

United States	80.2%
Luxembourg	4.2
Netherlands	3.4
Bermuda	2.7
Canada	2.4
Ireland	1.2
United Kingdom	1.0
Other (individually less than 1%)	4.9
	100.0%

The accompanying notes are an integral part of these financial statements.

Pioneer High Income Trust | Semiannual Report | 9/30/16

Prices and Distributions | 9/30/16 (unaudited)

Principal amounts are denominated in U.S. dollars unless otherwise noted.

AUD	-	Australian Dollar
EUR	-	Euro
IDR	-	Indonesian Rupiah

CREDIT DEFAULT SWAP AGREEMENT - SELL PROTECTION

Notional Principal (\$)(1)	Counterparty	Obligation Entity/Index	Coupon	Credit Rating(2)	Expiration Date	Premiums (Received)	Unrealized Appreciation
2,000,000	JPMorgan Chase Bank NA	Goodyear Tire & Rubber Co.	5.00%	BB	12/20/17	\$(65,000)	\$114,453

- (1) The notional amount is the maximum amount that a seller of credit protection would be obligated to pay upon occurrence of a credit event.
Based on Standard & Poor's rating of the issuer or weighted average of all the underlying securities of the index.
- (2)

CENTRALLY CLEARED INTEREST RATE SWAP AGREEMENT

Notional Principal (\$)	Exchange	Pay/Receive	Floating Rate	Annual Fixed Rate	Expiration Date	Premiums Paid	Unrealized Appreciation
22,500,000	Chicago Mercantile Exchange	Receive	LIBOR USD 3 Month	1.593%	11/9/20	\$101	\$119,788

Various inputs are used in determining the value of the Trust's investments. These inputs are summarized in the three broad levels below.

- Level 1 - quoted prices in active markets for identical securities.
Level 2 - other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risks, etc.).
Level 3 - significant unobservable inputs (including the Trust's own assumptions in determining fair value of investments).

The following is a summary of the inputs used as of June 30, 2017, in valuing the Trust's investments.

	Level 1	Level 2	Level 3	Total
Asset Backed Securities Collateralized Mortgage Obligations	\$-	\$344,812	\$-	\$344,812
Commercial Mortgage-Backed Securities	-	677,790	-	677,790
	-	3,147,301	-	3,147,301

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Senior Secured Floating Rate Loan Interests				
Capital Goods				
Aerospace & Defense	–	882,938	2,139,250	3,022,188
Health Care Equipment & Services				
Health Care Technology	–	–	853,713	853,713
All Other Senior Secured Floating Rate Loan Interests	–	16,443,252	–	16,443,252
Corporate Bonds & Notes				
Diversified Financials				
Other Diversified Financial Services	–	–	3,179,763	3,179,763
Insurance				
Reinsurance	–	2,257,000	8,696,297	10,953,297
All Other Corporate Bonds & Notes	–	347,257,057	–	347,257,057
Convertible Bonds & Notes	–	8,495,528	–	8,495,528
Sovereign Debt Obligations	–	3,829,511	–	3,829,511
U.S. Government and Agency Obligation	–	1,502,550	–	1,502,550
Tax Exempt Obligations	–	1,655,000	–	1,655,000
Municipal Collateralized Debt Obligation	–	57,750	–	57,750
Common Stocks				
Capital Goods				
Industrial Machinery	–	–	332	332
Health Care Equipment & Services				
Health Care Technology	–	–	2,446	2,446
Retailing				
Computer & Electronics Retail	–	–	66,194	66,194
Transportation				
Air Freight & Logistics	–	883,449	–	883,449
All Other Common Stocks	155,514	–	–	155,514
Convertible Preferred Stocks	4,828,476	–	–	4,828,476
	Level 1	Level 2	Level 3	Total
Preferred Stocks				
Banks				
Diversified Banks	\$3,478,050	\$3,207,938	\$–	\$6,685,988

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Energy				
Coal & Consumable				
Fuels	–	27,036	–	27,036
Health Care				
Equipment &				
Services				
Health Care Services	–	103,352	–	103,352
Materials				
Diversified				
Chemicals	–	690,432	–	690,432
Warrants				
Energy				
Coal & Consumable				
Fuels	–	6,440	–	6,440
Oil & Gas				
Exploration &				
Production	–	–*	–	–*
Repurchase				
Agreement	–	1,990,000	–	1,990,000
Treasury Bills	–	17,251,110	–	17,251,110
Total Investments in				
Securities	\$8,462,040	\$410,710,246	\$14,937,995	\$434,110,281
Other Financial				
Instruments				
Unrealized				
appreciation				
on centrally cleared				
interest rate swap				
agreement	\$–	\$119,788	\$–	\$119,788
Unrealized				
appreciation				
on credit default				
swap agreement	–	114,453	–	114,453
Total Other				
Financial				
Instruments	\$–	\$234,241	\$–	\$234,241

* Includes securities that are valued at \$0.

The following is a reconciliation of assets valued using significant unobservable inputs (Level 3):

Balance	Realized	Change in		Accrued	Transfers	Transfers	Transfers	Balance
as of	gain	unrealized		discounts/	in to	out of	in and out	as of
3/31/17	(loss)	appreciation	Purchases	premiums	Level 3*	Level 3*	of Level 3	6/30/17
		(depreciation)	Sales				categories	
Commercial								
Mortgage-Backed								
Securities								
Banks								

Edgar Filing: PIONEER HIGH INCOME TRUST - Form N-Q

Thrifts & Mortgage Finance	23	\$-	\$-	\$-	\$-	\$-	\$-	\$(113,123)	\$-	\$-
Senior Secured Floating Rate Loan Interests Capital Goods Aerospace & Defense	25	49	(1,124)	-	(5,375)	1,075	-	-	-	2,139,250
Health Care Equipment & Services Health Care Technology	26	-	(12,704)	-	-	12,704	-	-	-	853,713
Corporate Bonds & Notes Diversified Financials Other Diversified Financial Services - Insurance Property & Casualty Insurance	27	-	312,457	-	-	3,031	-	-	2,864,275	3,179,763
Real Estate Common Stocks Capital Goods Industrial Machinery Health Care Equipment & Services	28	1,211	(156,821)	1,261,110	(3,214,739)	(31,180)	-	-	(2,864,275)	-
	29	-	-	-	-	-	-	-	-	8,696,297
	30	-	-	-	-	-	-	-	-	332
	31	-	-	-	-	-	-	-	-	2,446

Health
Care
Technology
Retailing
Computer
&
Electronics

R66,1194	-	-	-	-	-	-	-	-	66,194
Total	\$1,881,424	\$1,260	\$141,808	\$1,261,110	\$(3,220,114)	\$(14,370)	\$-	\$ (113,123)	\$14,937,995

* Transfers are calculated on the beginning of period value. For the three months ended June 30, 2017, there were no transfers between Levels 1 and 2. Securities with an aggregate market value \$113,123 transferred from Level 3 to Level 2 as there were observable inputs available to determine their value.

Net change in unrealized appreciation of Level 3 investments still held and considered Level 3 at June 30, 2017: \$199,832.

ITEM 2. CONTROLS AND PROCEDURES. (a) Disclose the conclusions of the registrant's principal executive and principal financial officers, or persons performing similar functions, regarding the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Act (17 CFR 270.30a-3(c))) as of a date within 90 days of the filing date of the report that includes the disclosure required by this paragraph, based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the Act (17 CFR 270.30a-3(b)) and Rule 13a-15(b) or 15d-15(b) under the Exchange Act (17 CFR 240.13a-15(b) or 240.15d-15(b)). The registrant's principal executive officer and principal financial officer have concluded that the registrant's disclosure controls and procedures are effective based on their evaluation of these controls and procedures as of a date within 90 days of the filing date of this report. (b) Disclose any change in the registrant's internal controls over financial reporting (as defined in Rule 30a-3(d) under the Act (17 CFR 270.30a-3(d))) that occurred during the registrant's last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting. There were no significant changes in the registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting. ITEM 3. EXHIBITS. File as exhibits as part of this Form a separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the Act (17 CFR 270.30a-2(a)), exactly as set forth below: CERTIFICATIONS I, [identify the certifying individual], certify that: 1. I have reviewed this report on Form N-Q of [identify registrant]; 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; 3. Based on my knowledge, the schedules of investments included in this report fairly present in all material respects the investments of the registrant as of the end of the fiscal quarter for which the report is filed; 4. The registrants other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have: (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; (c) Evaluated the effectiveness of the registrants disclosure controls and procedures and presented in this report our conclusions about the effectiveness of

the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report, based on such evaluation; and (d) Disclosed in this report any change in the registrants internal control over financial reporting that occurred during the registrants most recent fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrants internal control over financial reporting; and 5. The registrants other certifying officer(s) and I have disclosed to the registrants auditors and the audit committee of the registrants board of directors (or persons performing the equivalent functions): (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrants ability to record, process, summarize, and report financial information; and (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrants internal control over financial reporting. Date: [Signature] [Title] Filed herewith. <PAGE> SIGNATURES [See General Instruction F] Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. (Registrant) Pioneer High Income Trust By (Signature and Title)* /s/ Lisa M.Jones ----- Lisa M.Jones, President and Chief Executive Officer Date August 29, 2017 Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated. By (Signature and Title)* /s/ Lisa M.Jones ----- Lisa M.Jones, President and Chief Executive Officer Date August 29, 2017 By (Signature and Title)* /s/ Mark E. Bradley ----- Mark E. Bradley, Treasurer and Chief Accounting and Financial Officer Date August 29, 2017 * Print the name and title of each signing officer under his or her signature.