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.

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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

schedules	naad	not ha	andited
SCHEOLIES	11000	HOL DE	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

BANKS - 0.1%

Thrifts & Mortgage Finance

- 0.1%

300,000 InSite Issuer LLC,

Series 2016-1A, Class C,

6.414%, 11/15/46 (144A) \$308,636

Security National Mortgage Loan Trust, Series 2007-1A,

Class 1A3, 6.55%, 4/25/37

(144A) 36,176 Total Banks \$344,812

36,270(a)

	TOTAL ASSET BACKED SECURITIES (Cost \$329,058) COLLATERALIZED MORTGAGE OBLIGATIONS - 0.2% of Net Assets	\$344,812
660,000(a) 95,646	DIVERSIFIED FINANCIALS - 0.2% Thrifts & Mortgage Finance - 0.2% GMAT Trust, Series 2013-1A, Class M, 5.0%, 11/25/43 (144A) Homeowner Assistance	\$582,622
	Program Reverse Mortgage Loan Trust, Series 2013-RM1, Class A, 4.0%, 5/26/53 (144A) Total Diversified Financials	95,168 \$677,790
	TOTAL COLLATERALIZED MORTGAGE OBLIGATION (Cost \$731,280) COMMERCIAL MORTGAGE-BACKED SECURITIES - 1.0% of Net Assets	\$677,790
	BANKS - 0.5% Thrifts & Mortgage Finance - 0.5%	
1,000,000(a)	Citigroup Commercial Mortgage Trust, Series 2014-GC23, Class E, 3.208%, 7/10/47 (144A)	\$647,511
515,000(b)	GS Mortgage Securities Trust, Series 2014-GSFL, Class D, 5.059%, 7/15/31	
500,000(a)	(144A) JPMBB Commercial Mortgage Securities Trust, Series 2014-C25, Class D, 4.096%, 11/15/47	518,375
	(144A) Total Banks	397,740 \$1,563,626

700,000(b) 900,000(a)	DIVERSIFIED FINANCIALS - 0.5% Thrifts & Mortgage Finance - 0.5% CFCRE Mortgage Trust, Series 2015-RUM, Class E, 5.759%, 7/15/30 (144A) Commercial Mortgage Trust, Series 2007-C9, Class H, 5.991%, 12/10/49 (144A) Total Diversified Financials	\$685,894 897,781 \$1,583,675
	TOTAL COMMERCIAL MORTGAGE-BACKED SECURITIES (Cost \$3,157,535) SENIOR SECURED FLOATING RATE LOAN INTERESTS - 6.5% of Net Assets* (b)	\$3,147,301
2.120.250(a)	CAPITAL GOODS - 1.1% Aerospace & Defense - 1.0% ADS Testical Inc. Term	
2,139,250(c) 878,910	ADS Tactical, Inc., Term Loan, 8.796%, 12/31/22 DynCorp International, Inc., Term Loan B2, 9.0%,	\$2,139,250
	7/7/20	882,938 \$3,022,188
377,150	Industrial Machinery - 0.1% Blount International, Inc., Initial Term Loan, 6.216%, 4/12/23 Total Capital Goods	\$383,514 \$3,405,702
722,304	CONSUMER SERVICES - 0.2% Education Services - 0.2% Cengage Learning Acquisitions, Inc., 2016 Refinancing Term Loan, 5.339%, 6/7/23	\$684,383
	Total Consumer Services	\$684,383
	ENERGY - 1.4%	

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	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%	
500,000	Chesapeake Energy Corp.,	
	Term Loan Class A,	
	8.686%, 8/23/21	\$534,844
	Pipeline - 0.5%	
1,365,000	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%	
1,313,405(c)	Medical Card System, Inc.,	
	Term Loan, 1.5%, 5/31/19	\$853,713
	Total Health Care	
	Equipment & Services	\$2,046,588
D: : 1		
Principal		
Amount		

USD (\$)

Value

	HOUSEHOLD & PERSONAL PRODUCTS - 0.5%	
836,719	Household Products - 0.3% Redbox Automated Retail LLC, First Lien Term B	
897,739	Loan, 8.5%, 9/27/21 Personal Products - 0.2% Revlon Consumer Products	\$841,599
071,137	Corp., Initial Term B Loan, 4.726%, 9/7/23 Total Household & Personal	\$839,199
	Products	\$1,680,798
1,885,452	INSURANCE - 0.6% 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
126,586(d)(e)	MATERIALS - 0.5% 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., Refinancing Term Loan, 6.796%, 3/14/22	\$1,243,347
349,054	Paper Products - 0.1% Ranpak Corp., Second Lien Initial Term Loan, 8.422%, 10/3/22 Total Materials	\$348,182 \$1,604,820
102 912	MEDIA - 0.9% Publishing - 0.9% Lee Enterprises Inc. First	
103,812 2,796,750	Lee Enterprises, Inc., First Lien Term Loan, 7.476%, 3/31/19 McGraw-Hill Global Education Holdings LLC, First Lien Term B Loan,	\$104,331
	5.226%, 5/4/22	2,758,644

	007 027	Total Media RETAILING - 0.3% Automotive Retail - 0.3%	\$2,862,975
	987,837	CWGS Group LLC, Term Loan, 4.743%, 11/8/23	\$994,382
		Total Retailing	\$994,382
		SOFTWARE & SERVICES - 0.2%	
		Application Software - 0.2%	
	500,000	STG-Fairway Acquisitions,	
	500,000	Inc., First Lien Term Loan,	
		6.546%, 6/30/22	\$460,625
			·
		Total Software & Services	\$460,625
		TOTAL SENIOR	
		SECURED FLOATING	
		RATE LOAN INTERESTS (Cost \$20,773,837)	\$20,319,153
		CORPORATE BONDS &	\$20,319,133
		NOTES - 114.9% of Net	
		Assets	
		AUTOMORIU EG 0	
		AUTOMOBILES &	
		COMPONENTS - 1.9% Auto Parts & Equipment -	
		1.0%	
EUR	360,000(f)	IHO Verwaltungs GmbH,	
2010	200,000(2)	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%,	
	2 020 000	4/15/25 (144A)	\$621,000
	2,020,000	TI Group Automotive	
		Systems LLC, 8.75%,	2 126 150
		7/15/23 (144A)	2,136,150
		Total Automobiles &	\$2,757,150
		Components	\$5,883,606
		BANKS - 4.7%	Ψ2,002,000
		Diversified Banks - 2.0%	

1,200,000	Access Bank Plc, 10.5%,	Ф1 202 544
200,000(a)	10/19/21 (144A) Banco Nacional de	\$1,292,544
	Comercio Exterior SNC, 3.8%, 8/11/26 (144A)	199,500
600,000(a)(g)(h)	Bank of America Corp.,	199,300
1 220 220 / / / /	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.,	1,073,020
200,000(-)(h)	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	·
080 000(a)(b)	Group Plc, 8.625%	1,090,000
980,000(a)(h)	Societe Generale SA, 7.375% (144A)	1,053,500
	7.57576 (1441)	\$6,285,884
	Thrifts & Mortgage Finance - 2.7%	
3,415,000	Provident Funding	
	Associates LP / PFG	
	Finance Corp., 6.375%,	*** *** ***
4.025.000()	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
	0.7370, 0/13/21 (1 11 A)	\$8,491,837
	Total Banks	\$14,777,721
	CAPITAL GOODS - 5.7%	Ψ1.,,,,,, <u>-</u> 1
	Aerospace & Defense -	
	1.3%	
1,085,000(g)	Engility Corp., 8.875%, 9/1/24	\$1,178,582
300,000	Triumph Group, Inc.,	\$1,176,362
300,000	4.875%, 4/1/21	298,125
2,475,000	Triumph Group, Inc.,	
	5.25%, 6/1/22	2,459,531 \$3,936,238
		ψ3,730,230
	Agricultural & Farm	
	Machinery - 0.6%	
1,890,000(g)	Titan International, Inc.,	
	6.875%, 10/1/20	\$1,960,875
400,000	Building Products - 0.1%	
400,000	Griffon Corp., 5.25%, 3/1/22	\$407.500
Principal	JI 1144	\$407,500
Amount		
/ Infount		_

USD (\$)

Value

486,498(f)(g) 975,000	Construction & Engineering - 0.3% Abengoa Abenewco 2 SAU, 0.25% (0.25% PIK 0.0% cash), 3/31/23 (144A) Tutor Perini Corp., 6.875%, 5/1/25 (144A)	\$ 53,515 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 1,070,000 335,000	Industrial Conglomerates - 0.8% CSVC Acquisition Corp., 7.75%, 6/15/25 (144A) JB Poindexter & Co., Inc., 9.0%, 4/1/22 (144A) Park-Ohio Industries, Inc., 6.625%, 4/15/27 (144A)	\$1,072,312 1,122,163 351,750 \$2,546,225
2,575,000(g) 2,010,000(g) 500,000	Industrial Machinery - 1.6% Apex Tool Group LLC, 7.0%, 2/1/21 (144A) Cleaver-Brooks, Inc., 8.75%, 12/15/19 (144A) EnPro Industries, Inc., 5.875%, 9/15/22 (144A)	\$2,394,750 2,072,812 521,250 \$4,988,812
2,580,000(g)	Trading Companies & Distributors - 0.9% H&E Equipment Services, Inc., 7.0%, 9/1/22 Total Capital Goods	\$2,683,200 \$17,946,577
1,295,000(g)	COMMERCIAL & PROFESSIONAL SERVICES - 0.7% Commercial Printing - 0.3% Cenveo Corp., 6.0%, 8/1/19 (144A) Security & Alarm Services - 0.4%	\$1,094,275
1,015,000(g)		\$1,102,960

Prime Security Services Borrower LLC / Prime Finance, Inc., 9.25%, 5/15/23 (144A) Total Commercial & **Professional Services**

\$2,197,235

\$9,228,794

	CONSUMER DURABLES	
	& APPAREL - 2.9%	
	Homebuilding - 2.8%	
475,000	Beazer Homes USA, Inc.,	
	6.75%, 3/15/25	\$495,188
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
	Housewares & Specialties -	
	0.1%	
185,000	American Greetings Corp.,	
	7.875%, 2/15/25 (144A)	\$200,031
	Total Consumer Durables &	

CONSUMER SERVICES -

7.3%

Apparel

Casinos & Gaming - 3.3%