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

36,270(a)

USD (\$)

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

	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 Program Reverse Mortgage Loan Trust, Series 2013-RM1, Class A, 4.0%, 5/26/53 (144A) Total Diversified Financials	\$582,622 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) 515,000(b)	Citigroup Commercial Mortgage Trust, Series 2014-GC23, Class E, 3.208%, 7/10/47 (144A) GS Mortgage Securities	\$647,511
500,000(a)	Trust, Series 2014-GSFL, Class D, 5.059%, 7/15/31 (144A) JPMBB Commercial Mortgage Securities Trust, Series 2014-C25,	518,375
	Class D, 4.096%, 11/15/47 (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	\$685,894
	Trust, Series 2007-C9, Class H, 5.991%, 12/10/49 (144A) Total Diversified Financials	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
	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
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% Oil & Gas Drilling - 0.7%	

1,345,000	Gavilan Resources LLC,	
	Second Lien Initial Term	¢1 001 110
1.050.500	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	
300,000	Lien Term Loan, 8.296%,	
	8/14/22	\$505,625
	Total Food, Beverage &	Ψ303,023
	Tobacco	\$505,625
	HEALTH CARE	Ψ303,023
	EQUIPMENT &	
	SERVICES - 0.6%	
	Health Care Services - 0.3%	
004 027		
994,937	HC Group Holdings III, Inc.,	
	First Lien Initial Term Loan,	¢002.450
100 005	6.226%, 4/7/22	\$992,450
198,995	nThrive, Inc. (fka Precyse	
	Acquisition Corp.),	
	Additional Term B-2 Loan,	200.425
	5.726%, 10/20/22	200,425
		\$1,192,875
	Health Care Technology -	
	0.3%	
1,313,405(c)	Medical Card System, Inc.,	
1,515,405(c)	Term Loan, 1.5%, 5/31/19	\$853,713
	Total Health Care	ψ033,713
	Equipment & Services	\$2,046,588
	Equipment & Services	φ ∠, υ 1 υ,J00
Principal		
Amount		
USD (\$)		Value

836,719 897,739	HOUSEHOLD & PERSONAL PRODUCTS - 0.5% Household Products - 0.3% Redbox Automated Retail LLC, First Lien Term B Loan, 8.5%, 9/27/21 Personal Products - 0.2% Revlon Consumer Products Corp., Initial Term B Loan, 4.726%, 9/7/23 Total Household & Personal Products	\$841,599 \$839,199 \$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 Total Insurance	\$1,857,171 \$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	\$348,182