

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

PIONEER HIGH INCOME TRUST
Form N-CSR
November 29, 2010

OMB APPROVAL
OMB Number: 3235-0570
Expires: August 31, 2013
Estimated average burden
hours per response.....18.9

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

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES

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: April 1, 2010 through September 30, 2010

Form N-CSR is to be used by management investment companies to file reports with the Commission not later than 10 days after the transmission to stockholders of any report that is required to be transmitted to stockholders under Rule 30e-1 under the Investment Company Act of 1940 (17 CFR 270.30e-1). The Commission may use the information provided on Form N-CSR in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-CSR, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-CSR 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.

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

ITEM 1. REPORTS TO SHAREOWNERS.

Pioneer High
Income Trust

Semiannual Report | September 30, 2010

Ticker Symbol: PHT

[LOGO] PIONEER
Investments (R)

visit us: pioneerinvestments.com

Table of Contents

Letter to Shareowners	2
Portfolio Management Discussion	4
Portfolio Summary	8
Prices and Distributions	9
Performance Update	10
Schedule of Investments	11
Financial Statements	35
Notes to Financial Statements	40
Trustees, Officers and Service Providers	51

Pioneer High Income Trust | Semiannual Report | 9/30/10 1

President's Letter

Dear Shareowner,

Through the first nine months of 2010, the U.S. economy moved forward on a slow path to recovery. But with the memory of a deep recession still lingering, businesses and consumers remained cautious about both investing and spending. While business fundamentals showed signs of improvement, there was still a reluctance to hire, and high unemployment remains a problem. Wary investors, concerned about risk, gravitated towards cash and bonds. We remain generally

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

optimistic about the prospects for economic recovery, although it may occur more slowly than many would like.

At Pioneer, we have long advocated the benefits of staying diversified and investing for the long term. This strategy has generally performed well for many investors. Bond markets certainly rewarded investors in the first nine months of 2010. While the equity markets barely budged, equities at the end of September 2010 were inexpensive relative to bonds, compared with historic levels, and represented potentially good value for long-term investors.

Pioneer has not changed the basic approach to investing that we have used for more than 80 years. We remain focused on company fundamentals and risk management. Our investment process is based on careful research into individual companies, quantitative analysis, and active portfolio management. This three-pillared process, which we apply to each of our portfolios, is supported by an integrated team approach and is designed to carefully balance risk and reward. Our experienced professionals devote themselves to the careful research needed to identify investment opportunities in markets around the world.

Our advice, as always, is to work closely with a trusted financial advisor to discuss your goals and work together to develop an investment strategy that meets your individual needs. There is no single best strategy that works for every investor.

2 Pioneer High Income Trust | Semiannual Report | 9/30/10

We invite you to learn more about Pioneer and our time-tested approach to investing by consulting with your financial advisor or visiting us online at www.pioneerinvestments.com. We greatly appreciate your trust in us and we thank you for investing with Pioneer.

Sincerely,

/s/ Daniel K. Kingsbury

Daniel K. Kingsbury
President and CEO
Pioneer Investment Management USA, Inc.

Any information in this shareowner report regarding market or economic trends or the factors influencing the Trust's historical or future performance are statements of the opinion of Trust management as of the date of this report. These statements should not be relied upon for any other purposes. Past performance is no guarantee of future results, and there is no guarantee that market forecasts discussed will be realized.

Pioneer High Income Trust | Semiannual Report | 9/30/10 3

Portfolio Management Discussion | 9/30/10

The six months ended September 30, 2010, was a period when investor confidence was sometimes shaken by signs of some slowing in the pace of economic progress in the United States and China, and evidence of debt problems in some European nations. Overall sentiment remained positive, however, and investors continued to seek out greater income during a time when government securities offered

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

very low yields. In the following interview, Andrew Feltus discusses the factors that influenced the performance of Pioneer High Income Trust over the six months ended September 30, 2010. Mr. Feltus is a member of Pioneer's fixed-income team, which is responsible for the daily management of the Trust.

Q How did Pioneer High Income Trust perform during the six months ended September 30, 2010?

A Pioneer High Income Trust produced a total return of 8.01% at net asset value and 10.86% at market price during the six months ended September 30, 2010, with shares of the Trust selling at a 19.3% premium to net asset value at the end of the period. During the same six-month period, the Trust's benchmark, the Bank of America/Merrill Lynch High Yield Master II Index (BOFA ML Index), returned 6.62%. Unlike the Trust, the BofA ML Index is not leveraged. On September 30, 2010, the 30-day SEC yield on the Trust's shares was 10.06%.

Q What were the principal factors that influenced the Trust's performance during the six months ended September 30, 2010?

A Investor fears about the resilience of the economic recovery began to grow early in the period. First, concerns arose because of new disclosures about the debt problems for Greece. Those concerns abated, however, when the European Union acted, offering new loan guarantees for the troubled nations. As the European debt situation appeared to stabilize, new worries arose about the global economic rebound, as evidence pointed to slowing growth trends in both the United States and China. Those worries added to market volatility during the summer months.

Confidence began returning, however, on new evidence that the economic recovery was persisting, although at an often slower pace than had been expected. High-yield corporate bonds and other credit-sensitive securities rallied in the late summer on news that the U.S. Federal Reserve Board (the Fed) was prepared to initiate a second round of monetary easing through quantitative action intended to increase financial liquidity in the capital markets.

4 Pioneer High Income Trust | Semiannual Report | 9/30/10

Over the six months ended September 30, 2010, the better-quality tiers of the high-yield market (especially BB-rated securities) outperformed lower-quality debt, such as C-rated securities. The rally received impetus as many institutional investors, such as mutual funds and insurance companies, reduced their positions in very high-quality, low-yielding sectors and sought the better yields offered by the higher-quality segments of the high-yield universe. Meanwhile, the overall credit quality of high-yield bonds appeared sound by historical standards. It appeared that the high-yield default rate for 2010 would be just 1%, the lowest rate since the 1970s.

In that environment, the Trust's overweight positions in bonds of companies in economically sensitive groups, such as basic industries and capital goods, helped the Trust's performance significantly, as we were able to take advantage of Pioneer's strength in fundamental security-by-security analysis. The Trust's security selection was very successful over the six-month period, with holdings in the Trust's portfolio outperforming the high-yield market, generally. The Trust also held no securities that defaulted during the six months ended September 30, 2010.

The Trust's performance also received a boost by its use of leverage. At the end of the six-month period, 28.3% of the Trust's total investment

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

portfolio was leveraged. While the Trust's leverage rate was lower than it was at the start of the six-month period (as of April 1, 2010) the decline was principally the result of appreciation in the value of the Trust's invested assets.

Q What were your principal investment strategies for the Trust over the six months ended September 30, 2010?

A Our investments for the Trust focused on domestic high-yield corporate bonds throughout the six months ended September 30, 2010, with special emphasis on basic industries. At the end of the period, 66.3% of the Trust's total investment portfolio was in U.S. high-yield bonds, with another 9.5% of the Trust's total investment portfolio invested in domestic investment-grade debt. The Trust had some exposure to emerging market debt and international high-yield bonds, which together accounted for 17.6% of its total investment portfolio, but our primary focus remained on domestic high-yield securities.

Q What investments had a particularly noteworthy impact on the Trust's performance during the six months ended September 30, 2010?

A The Trust owned a number of excellent high-yield bond performers, including the securities of several companies that were acquired by other corporations and whose debt was retired at a profit to the Trust. The companies included: Cellu Tissue, a paper products corporation; L1 Identity Solutions, a technology corporation; and Mariner Energy, an oil and gas exploration and production company. Other solid performers in the Trust's portfolio

Pioneer High Income Trust | Semiannual Report | 9/30/10 5

included Teck Resources, a mining company, and Univision, the Spanish-language broadcast network.

Poorer performers in the Trust's portfolio included: Sitel, an operator of call centers that had disappointing growth; Greek dairy company Fage, whose securities suffered as an indirect victim of Greece's national debt problems; and Appleton Papers, a paper and pulp company that announced disappointing earnings results. The Trust's small position in convertible securities also was not helpful during the six-month period, as the group underperformed, despite their generally high yields and low prices. At the end of the period, 5.5% of the Trust's total investment portfolio was invested in convertibles.

Q What is your investment outlook?

A The economy appears to be continuing to grow, although the pace of the expansion clearly has slowed from the period of faster growth we saw in late 2009 and early 2010. While corporate profits are strong and seem to be improving, corporations appear reluctant to take on new investment projects, in part because of uncertainties over government regulatory and tax policies.

High-yield bonds continue to appear attractive and we think that default rates may remain low by historical standards. The spreads, or yield advantages, of high-yield bonds compared with Treasuries appear near long-term averages. While we anticipate that Treasury interest rates eventually will start rising, we think the spreads offered by high-yield bonds should continue to make them attractive investments, even as Treasury rates rise.

Please refer to the Schedule of Investments on pages 11-34 for a full listing

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

of Trust securities.

Investments in high-yield or lower-rated securities are subject to greater-than-average risk. The Trust may invest in securities of issuers that are in default or that are in bankruptcy.

Investing in foreign and/or emerging markets securities involves risks relating to interest rates, currency exchange rates, economic, and political conditions.

When interest rates rise, the prices of fixed-income securities in the Trust will generally fall. Conversely, when interest rates fall the prices of fixed-income securities in the Trust will generally rise. Investments in the Trust are subject to possible loss due to the financial failure of the issuers of the underlying securities and their inability to meet their debt obligations.

The Trust may invest up to 50% of its total assets in illiquid securities. Illiquid securities may be difficult to dispose of at a fair price at the times when the Trust believes it is desirable to do so and their market price is generally more volatile

6 Pioneer High Income Trust | Semiannual Report | 9/30/10

than that of more liquid securities. Illiquid securities are also more difficult to value and investment of the Trust's assets in illiquid securities may restrict the Trust's ability to take advantage of market opportunities.

The Trust uses leverage through the issuance of preferred shares. Leverage creates significant risks, including the risk that the Trust's income or capital appreciation will not be sufficient to cover the cost of leverage, which may adversely affect the return for the holders of common shares. Since February of 2008, regularly scheduled auctions for the Trust's preferred shares have failed and preferred shareowners have not been able to sell their shares at auction. The Board of Trustees of the Trust has considered, and continues to consider, this issue.

The Trust is required to maintain certain regulatory and rating agency asset coverage requirements in connection with its outstanding preferred shares. In order to maintain required asset coverage levels, the Trust may be required to alter the composition of its investment portfolio or take other actions, such as redeeming preferred shares with the proceeds from portfolio transactions, at what might be inopportune times in the market. Such actions could reduce the net earnings or returns to holders of the Trust's common shares over time.

Risks of investing in the Trust are discussed in greater detail in the Trust's original offering documents relating to its common shares and shareowner reports issued from time to time.

Past performance is no guarantee of future results, and there is no guarantee that market forecasts discussed will be realized.

Any information in this shareowner report regarding market or economic trends or the factors influencing the Trust's historical or future performance are statements of the opinion of Trust management as of the date of this report. These statements should not be relied upon for any other purposes.

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

Portfolio Summary | 9/30/10

Portfolio Diversification

(As a percentage of total investment portfolio)

[The following data was represented as a pie chart in the printed material]

Corporate Bonds & Notes	73.7%
Temporary Cash Investments	8.7%
Convertible Bonds	5.0%
Municipal Bonds	3.8%
Floating Rate Loan Interests	2.1%
Common Stock	2.2%
Asset Backed Securities	1.9%
Collateralized Mortgage Obligations	1.0%
Sovereign Debt Obligations	0.7%
Convertible Preferred Stock	0.5%
Municipal Collateralized Debt Obligations	0.4%

Portfolio Maturity

(As a percentage of long-term holdings)

[The following data was represented as a pie chart in the printed material]

0-1 Year	12.0%
1-3 Years	33.3%
3-4 Years	23.7%
4-6 Years	24.5%
6-8 Years	1.5%
8+ Years	5.0%

10 Largest Holdings

(As a percentage of long-term holdings)*

1.	Xerox Capital Trust I, 8.0%, 2/1/27	2.37%
2.	NCO Group, Inc., 11.875%, 11/15/14	1.56
3.	Cricket Communications, Inc., 9.375%, 11/1/14	1.31
4.	Cia Brasileira de Bebida, 10.5%, 12/15/11	1.28
5.	Southern States Cooperative Inc., 11.25%, 5/15/15 (144A)	1.18
6.	Allmerica Financial Corp., 7.625%, 10/15/25	1.10
7.	Charlotte Special Facilities Refunding Revenue, 5.6%, 7/1/27	1.09
8.	Kabel Deutschland GMBH, 10.75%, 7/1/14	1.06
9.	Univision Communications, Inc., 9.75%, 3/15/15 (144A)	1.01
10.	Sally Holdings LLC, 10.5%, 11/15/16	1.00

* This list excludes temporary cash and derivative investments. The portfolio

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

is actively managed, and current holdings may be different. The holdings listed should not be considered recommendations to buy or sell any security listed.

8 Pioneer High Income Trust | Semiannual Report | 9/30/10

Prices and Distributions | 9/30/10

Market Value per Common Share

9/30/10	3/31/10
\$ 16.12	\$ 15.38

Net Asset Value per Common Share

9/30/10	3/31/10
\$ 13.51	\$ 13.23

Distributions per Common Share

	Net Investment Income	Short-Term Capital Gains	Long-Term Capital Gains
4/1/10-9/30/10	\$ 0.825	\$ --	\$ --

Pioneer High Income Trust | Semiannual Report | 9/30/10 9

Performance Update | 9/30/10

Investment Returns

The mountain chart on the right shows the change in market value, plus

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

reinvested dividends and distributions, of a \$10,000 investment made in common shares of Pioneer High Income Trust, compared to that of the Bank of America Merrill Lynch High Yield Master II Index.

Cumulative Total Returns
(As of September 30, 2010)

Period	Net Asset Value	Market Price
Life-of-Trust (4/26/02)	167.22%	204.61%
5 Years	62.22	90.50
1 Year	28.30	34.15

[The following data was represented as a mountain chart in the printed material]

Value of \$10,000 Investment

	Pioneer High Income Trust	Bank of America Merrill Lynch High Yield Master II Index
4/02	10,000	10,000
9/02	9,072	8,879
	11,973	11,481
9/04	14,398	12,899
	15,990	13,763
9/06	19,334	14,855
	20,190	16,004
9/08	14,462	14,141
	22,706	17,302
9/10	30,461	20,506

Call 1-800-225-6292 or visit www.pioneerinvestments.com for the most recent month-end performance results. Current performance may be lower or higher than the performance data quoted.

Performance data shown represents past performance. Past performance is no guarantee of future results. Investment return and market price will fluctuate, and your shares may trade below net asset value (NAV), due to such factors as interest rate changes and the perceived credit quality of borrowers.

Total investment return does not reflect broker sales charges or commissions. All performance is for common shares of the Trust.

Closed-end funds, unlike open-end funds, are not continuously offered. There is a one-time public offering and, once issued, shares of closed-end funds are sold in the open market through a stock exchange and frequently trade at prices lower

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

than their NAV. NAV per common share is total assets less total liabilities, which includes preferred shares, divided by the number of common shares outstanding.

When NAV is lower than market price, dividends are assumed to be reinvested at the greater of NAV or 95% of the market price. When NAV is higher, dividends are assumed to be reinvested at prices obtained under the Trust's dividend reinvestment plan.

The performance table and graph do not reflect the deduction of fees and taxes that a shareowner would pay on Trust distributions or the sale of Trust shares.

Index comparison begins April 30, 2002. The Bank of America Merrill Lynch High Yield Master II Index is a commonly accepted measure of the performance of high yield securities. Index returns are calculated monthly, assume reinvestment of dividends and, unlike Trust returns, do not reflect any fees, expenses or sales charges. The Index is not leveraged. It is not possible to invest directly in the Index.

10 Pioneer High Income Trust | Semiannual Report | 9/30/10

Schedule of Investments | 9/30/10 (unaudited)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value

		ASSET BACKED SECURITIES -- 2.8% of Net Assets	
		TRANSPORTATION -- 0.1%	
		Airlines -- 0.1%	
248,016	B/B1	Continental Airlines, Inc., Series B, 8.499%, 11/1/12	\$ 256,
		Total Transportation	\$ 256,

		BANKS -- 1.1%	
		Thrifts & Mortgage Finance -- 1.1%	
502,921 (a)	AA/Aa2	ACE Securities Corp., 0.696%, 4/25/35	\$ 490,
531,442 (a)	AA+/Aa1	ACE Securities Corp., 0.846%, 12/25/34	396,
374,335 (a)	B-/Ba1	Amortizing Residential Collateral Trust, 1.521%, 1/25/32	152,
1,004,759 (a)	BB/Ba3	Aviation Capital Group Trust, 0.71%, 11/15/25 (144A)	592,
280,000 (a)	CCC/Baa2	Bear Stearns Asset Backed Securities Trust, 0.696%, 1/25/47	113,
624,795	B/Caa1	Citigroup Mortgage Loan Trust, Inc., 0.366%, 2/25/37	489,
197,930 (a)	AAA/Caa2	FBR Securitization Trust, 0.596%, 10/25/35	123,
965,000 (a)	BBB/B2	Home Equity Asset Trust, 0.356%, 3/25/37	802,
525,842 (a)	BB-/Caa2	Morgan Stanley Capital, Inc., 0.356%, 2/25/37	489,
365,671 (a)	B-/Ba2	Residential Asset Securities Corp., 0.476%, 1/25/36	330,
		Total Banks	\$ 3,983,

		DIVERSIFIED FINANCIALS -- 0.5%	
		Other Diversified Financial Services -- 0.3%	
1,902,372 (a)	B-/Caa1	Aircraft Finance Trust, 0.71%, 5/15/24 (144A)	\$ 913,

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

145,462 (a)	B-/Ba3	Aircraft Finance Trust, 0.73%, 5/15/24 (144A)	119,
			\$ 1,032,
850,000	BBB-/Baa3	Specialized Finance -- 0.2% Dominos Pizza Master Issuer LLC, 5.261%, 4/25/37 (144A)	\$ 850,
		Total Diversified Financials	\$ 1,882,
250,000 (a)	NR/NR	MATERIALS -- 0.0% Aluminum -- 0.0% Security National Mortgage Loan Trust, 6.55%, 4/25/37 (144A)	\$ 187,
		Total Materials	\$ 187,
600,000	NR/NR	REAL ESTATE -- 0.2% Mortgage Real Estate Investment Trust -- 0.2% Real Estate Asset Trust, 10.0%, 9/25/40 (144A)	\$ 600,
		Total Real Estate	\$ 600,

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 11

Schedule of Investments | 9/30/10 (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
3,738,605	NR/NR	UTILITIES -- 0.9% Multi-Utilities -- 0.9% Ormat Funding Corp., 8.25%, 12/30/20	\$ 3,490,9
		Total Utilities	\$ 3,490,9
		TOTAL ASSET BACKED SECURITIES (Cost \$9,895,191)	\$ 10,400,3
300,000	BB+/Baa3	COLLATERALIZED MORTGAGE OBLIGATIONS -- 1.4% of Net Assets CONSUMER SERVICES -- 0.4% Restaurants -- 0.4%	\$ 301,7
1,245,000	BB-/Ba3	DB Master Finance LLC, 5.779%, 6/20/31 (144A) DB Master Finance LLC, 8.285%, 6/20/31 (144A)	1,227,5
		Total Consumer Services	\$ 1,529,3
835,000 (a)	A/B3	BANKS -- 1.0% Thriffs & Mortgage Finance -- 1.0% Carrington Mortgage Loan Trust, 0.346%, 10/25/36	\$ 631,7

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

465,473 (a)	AA+/Ba3	Carrington Mortgage Loan Trust, 0.366%, 2/25/37	434,0
1,504,000 (a)	BBB+/Caa2	Carrington Mortgage Loan Trust, 0.446%, 2/25/37	868,5
380,907 (a)	CCC/Ba2	Countrywide Alternative Loan Trust, 0.576%, 10/25/35	222,1
440,779 (a)	B/Baa3	Countrywide Alternative Loan Trust, 0.596%, 9/25/35	255,4
270,469 (a)	CCC/Ba1	Countrywide Home Loan Mortgage Pass Through Trust, 0.606%, 3/25/35	89,7
361,534 (a)	B+/B1	JPMorgan Mortgage Trust, 4.954%, 11/25/35	348,0
1,014,047 (a)	D/Ca	Luminent Mortgage Trust, 0.506%, 7/25/36	70,5
370,996 (a)	BBB-/Baa1	Structured Asset Mortgage Investments, Inc., 0.556%, 9/25/45	243,0
832,253 (a)	AAA/Aa1	WaMu Mortgage Pass Through Certificates, 0.476%, 4/25/45	685,5
Total Banks			\$ 3,848,7
TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$6,360,506)			\$ 5,378,1
CORPORATE BONDS & NOTES -- 108.7% of Net Assets			
ENERGY -- 12.3%			
Coal & Consumable Fuels -- 1.1%			
1,350,000 (b)	BB/Ba3	Bumi Capital Pte, Ltd., 12.0%, 11/10/16 (144A)	\$ 1,447,8
2,329,000	BB-/B1	Drummond Co., Inc., 9.0%, 10/15/14 (144A)	2,460,0
316,000	B+/Caal	Murray Energy Corp., 10.25%, 10/15/15 (144A)	327,8
			\$ 4,235,7

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

12 Pioneer High Income Trust | Semiannual Report | 9/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
2,982,936	NR/NR	Oil & Gas Drilling -- 1.7%	
500,000	B-/B2	DDI Holding AS, 9.3%, 1/19/12 (144A)	\$ 2,
1,085,000	A/A3	Hercules Offshore, Inc., 10.5%, 10/15/17 (144A)	
1,900,000	B/B3	Offshore Group Investments Ltd., 11.5%, 8/1/15 (144A)	1,
		Pioneer Drilling Co., 9.875%, 3/15/18 (144A)	1,
			\$ 6,
4,500,000	B+/B1	Oil & Gas Equipment & Services -- 3.4%	
3,000,000	B-/B3	American Petroleum Tankers LLC, 10.25%, 5/1/15 (144A)	\$ 4,
600,000 (a) (c)	NR/NR	Aquilex Holdings LLC, 11.125%, 12/15/16	2,
1,515,000	B+/B2	DP Producer AS, 0.0%, 12/5/11 (144A)	
		Expro Finance Luxembourg SCA, 8.5%, 12/15/16 (144A)	1,
238,581 (c)	NR/NR	Nexus 1 Pte, Ltd., 10.5%, 3/7/12 (144A)	

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

NOK 4,600,000 (c)	NR/NR	Petrojack AS, 11.0%, 4/19/10	
385,386 (a) (c)	NR/NR	PetroProd, Ltd., 0.0%, 1/12/12 (144A)	
4,500,000	NR/NR	Sevan Marine ASA, 13.25%, 8/10/15	
800,000	A/A3	Sevan Marine ASA, 12.0%, 8/10/15 (144A)	
400,000 (a)	NR/NR	Sevan Marine ASA, 3.524%, 5/14/13 (144A)	
1,806,000	NR/NR	Skeie Drilling & Production ASA, 11.25%, 3/8/13	1,
			\$ 12,

		Oil & Gas Exploration & Production -- 4.4%	
775,000	BB-/B2	Berry Petroleum Co., 10.25%, 6/1/14	\$
390,000	BB/B1	Denbury Resources, Inc., 9.75%, 3/1/16	
1,750,000	BB-/B2	Hilcorp Energy I LP, 9.0%, 6/1/16 (144A)	1,
1,045,000	B/B3	Mariner Energy, Inc., 11.75%, 6/30/16	1,
2,020,000	B+/B3	Mariner Energy, Inc., 11.75%, 6/30/16	2,
NOK 2,550,000	NR/NR	Norse Energy Corp. ASA, 10.0%, 7/13/10	
2,125,000	NR/NR	Norse Energy Corp. ASA, 6.5%, 7/14/11	1,
1,497,000	NR/NR	Norse Energy Corp. ASA, 6.5%, 7/14/11 (144A)	1,
NOK 5,000,000	NR/NR	Norwegian Energy Co. AS, 12.9%, 11/20/14	
3,660,000	B-/B3	Quicksilver Resources, Inc., 7.125%, 4/1/16	3,
1,250,000 (d)	B+/B3	SandRidge Energy, Inc., 8.625%, 4/1/15	1,
			\$ 16,

		Oil & Gas Refining & Marketing -- 1.0%	
1,000,000	BB-/B3	Coffeyville Resources LLC, 10.875%, 4/1/17 (144A)	\$ 1,
175,000	B/B2	Petroplus Finance, Ltd., 7.0%, 5/1/17 (144A)	
2,215,000 (b)	BB+/Ba1	Tesoro Corp., 9.75%, 6/1/19	2,
			\$ 3,

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 13

Schedule of Investments | 9/30/10 (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Val
		Oil & Gas Storage & Transportation -- 0.7%	
350,000 (a)	BB/Ba1	Enterprise Products Operating LLC, 8.375%, 8/1/66	\$
2,394,000 (a)	BB/Ba1	Southern Union Co., 7.2%, 11/1/66	
			\$
		Total Energy	\$

		MATERIALS -- 18.0%	
		Aluminum -- 0.2%	
1,200,000 (c)	NR/WR	Asia Aluminum Holdings, Ltd., 8.0%, 12/23/11 (144A)	\$
773,279 (a) (d)	CCC+/B3	Noranda Aluminum Acquisition Corp.,	

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

5.274%, 5/15/15

					\$
			Commodity Chemicals -- 2.2%		
3,250,000	C/WR		Basell Finance Co., 8.1%, 3/15/27 (144A)		\$
480,000	BB-/Ba3		Invista, 9.25%, 5/1/12 (144A)		
4,500,000	BBB-/Ba1		Methanex Corp., 8.75%, 8/15/12		\$
			Diversified Chemicals -- 0.7%		
EURO 350,000	CCC/Caa3		Ineos Group Holdings Plc, 7.875%, 2/15/16 (144A)		\$
2,625,000 (b)	CCC/Caa3		Ineos Group Holdings Plc, 8.5%, 2/15/16 (144A)		\$
			Diversified Metals & Mining -- 2.6%		
1,391,615 (d)	NR/NR		Blaze Recycling & Metals LLC, 13.0%, 7/16/12		\$
2,890,000	B/B2		FMG Finance Pty., Ltd., 10.625%, 9/1/16 (144A)		
4,070,000	BBB/Baa3		Teck Resources, Ltd., 10.25%, 5/15/16		\$
			Materials -- 1.3%		
5,690,000	CCC+/B3		AGY Holding Corp., 11.0%, 11/15/14		\$
			Metal & Glass Containers -- 1.1%		
2,500,000	CCC+/B2		AEP Industries, Inc., 7.875%, 3/15/13		\$
1,450,000	B-/B3		BWAY Holdings Co., 10.0%, 6/15/18 (144A)		\$
			Paper Packaging -- 3.6%		
2,000,000	CCC/Caa1		Berry Plastics Corp., 9.5%, 5/15/18		\$
2,225,838 (e)	NR/NR		Corp Durango SAB de CV, 6.0%, 8/27/16		
2,795,000	CCC+/Caa1		Graham Packaging Co., 9.875%, 10/15/14		
4,796,000 (b)	B/B3		Graphic Packaging International, Inc., 9.5%, 8/15/13		
2,250,000	AAA/B3		U.S. Corrugated, Inc., 10.0%, 6/1/13		\$

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

14 Pioneer High Income Trust | Semiannual Report | 9/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		Paper Products -- 3.1%	
2,136,000	NR/B1	ABI Escrow Corp., 10.25%, 10/15/18 (144A)	\$ 2,173,
2,000,000 (b)	B+/B1	Appleton Papers, Inc., 10.5%, 6/15/15 (144A)	1,875,
645,000	B+/B1	Cellu Tissue Holdings, Inc., 11.5%, 6/1/14	757,

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

405,000	BB/Ba3	Clearwater Paper Corp., 10.625%, 6/15/16	455,
1,550,000	A/A3	Exopack Holdings Corp., 11.25%, 2/1/14 (144A)	1,584,
4,607,000	B/B3	Exopack Holdings Corp., 11.25%, 2/1/14	4,710,
			\$ 11,557,

		Specialty Chemicals -- 1.0%	
575,000	B/B1	Vertellus Specialities, Inc., 9.375%, 10/1/15 (144A)	\$ 596,
3,000,000 (b)	CCC+/Caal	Hexion U.S. Finance Corp., 9.75%, 11/15/14	3,120,
			\$ 3,716,

		Steel -- 2.2%	
4,660,000	CCC+/Caa2	Algoma Acquisition Corp., 9.875%, 6/15/15 (144A)	\$ 4,153,
2,400,000	BB+/Ba1	CSN Islands VIII Corp., 9.75%, 12/16/13 (144A)	2,813,
1,250,000	B/B3	Severstal Columbus LLC, 10.25%, 2/15/18 (144A)	1,312,
			\$ 8,279,

		Total Materials	\$ 67,492,

		CAPITAL GOODS -- 9.6%	
		Aerospace & Defense -- 2.5%	
3,600,000	B-/B3	Aeroflex, Inc., 11.75%, 2/15/15	\$ 3,888,
1,465,000	BB/Ba3	BE Aerospace, Inc., 8.5%, 7/1/18	1,596,
620,000	BB+/Ba2	Bombardier, Inc., 8.0%, 11/15/14 (144A)	647,
570,000	BB/Ba3	Digitalglobe, Inc., 10.5%, 5/1/14	634,
1,984,000	B/B1	DynCorp International, Inc., 10.375%, 7/1/17 (144A)	1,974,
295,000	B/B1	GeoEye, Inc., 9.625%, 10/1/15	321,
			\$ 9,062,

		Building Products -- 0.9%	
1,935,000 (c)	CC/WR	Industrias Unidas SA de CV, 11.5%, 11/15/16 (144A)	\$ 1,456,
1,790,000	B-/B3	Intcomex, Inc., 13.25%, 12/15/14 (144A)	1,897,
			\$ 3,353,

		Construction & Engineering -- 0.3%	
1,375,000	B+/Caal	New Enterprise Stone & Lime Co., 11.0%, 9/1/18 (144A)	\$ 1,285,

		Construction & Farm Machinery & Heavy Trucks -- 1.3%	
570,000	B+/Caal	American Railcar Industries, Inc., 7.5%, 3/1/14	\$ 571,
3,250,000	CCC/Caa3	Commercial Vehicle Group, Inc., 8.0%, 7/1/13	2,795,
383,000	CCC/Caa2	Greenbrier Cos, Inc., 8.375%, 5/15/15	371,
774,000 (b)	BB-/Caal	Manitowoc Co., Inc., 9.5%, 2/15/18	808,
275,000	B-/B2	Titan International, Inc., 8.0%, 1/15/12	295,
			\$ 4,842,

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
2,000,000	B/B3	Electrical Components & Equipment -- 0.5% Wireco Worldgroup, 9.5%, 5/15/17 (144A)	\$
3,180,000 (c)	D/WR	Industrial Conglomerates -- 1.0% Indalex Holding Corp., 11.5%, 2/1/14	\$
3,889,000	CCC+/Caa1	Park-Ohio Industries, Inc., 8.375%, 11/15/14	\$
1,080,000	B/B3	Industrial Machinery -- 2.1% Liberty Tire Recycling, 11.0%, 10/1/16 (144A)	\$
5,170,000	CCC+/B3	Mueller Water Products, Inc., 7.375%, 6/1/17	\$
2,440,000	B+/NR	WPE International Cooperatief, 10.375%, 9/30/20 (144A)	\$
500,000	B/B3	Trading Companies & Distributors -- 1.0% Avis Budget Car Rental LLC, 9.625%, 3/15/18	\$
3,370,000	B/B1	Wesco Distribution, Inc., 7.5%, 10/15/17	\$
		Total Capital Goods	\$ 3
2,560,000	B/B2	COMMERCIAL & PROFESSIONAL SERVICES -- 5.0% Commercial Printing -- 0.7% Sheridan Acquisition Corp., 10.25%, 8/15/11	\$
4,450 (f)	NR/B3	Diversified Support Services -- 1.0% MSX International UK, 12.5%, 4/1/12 (144A)	\$
2,180,000 (c)	NR/WR	Environmental & Facilities Services -- 0.1% Aleris International, Inc., 10.0%, 12/15/16	\$
315,000	B+/B2	Casella Waste Systems, Inc., 11.0%, 7/15/14	\$
1,275,000 (a) (c) (g)	NR/NR	Ohio Air Quality Development Authority Revenue, 7.29%, 6/8/22 (144A)	\$
11,830,000	BB/Baa3	Office Services & Supplies -- 3.2% Xerox Capital Trust I, 8.0%, 2/1/27	\$ 1
		Total Commercial & Professional Services	\$ 1
EURO 272,000	CCC-/Caa3	TRANSPORTATION -- 1.8% Air Freight & Logistics -- 1.2% CEVA Group Plc, 10.0%, 12/1/16 (144A)	\$
3,351,000	CCC/Caa1	CEVA Group Plc, 11.5%, 4/1/18 (144A)	\$
720,000	CCC/Caa1	CEVA Group Plc, 11.625%, 10/1/16 (144A)	\$
		Airlines -- 0.3%	\$

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

881,000

BB-/Ba2

Delta Airlines, Inc., 9.5%, 9/15/14 (144A)

\$

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

16 Pioneer High Income Trust | Semiannual Report | 9/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
1,430,000	B/B3	Trucking -- 0.3% Syncreon Global Ireland Ltd., 9.5%, 5/1/18 (144A)	\$ 1,403,18
		Total Transportation	\$ 6,908,37
		AUTOMOBILES & COMPONENTS -- 4.7%	
1,250,000 (b)	CCC+/Caa2	Auto Parts & Equipment -- 4.3% Allison Transmission, Inc., 11.0%, 11/1/15 (144A)	\$ 1,356,25
2,761,300	CCC+/Caa2	Allison Transmission, Inc., 11.25%, 11/1/15 (144A)	2,996,01
4,760,000	CCC/Caa1	Stanadyne Corp., 10.0%, 8/15/14	4,498,20
1,500,000 (e)	CCC-/Caa3	Stanadyne Corp., 12.0%, 2/15/15	1,237,50
4,235,000 (b)	CCC+/Caa1	Tenneco Automotive, Inc., 8.625%, 11/15/14	4,340,87
1,840,000 (b)	B/B1	Tower Automotive Holdings USA LLC, 10.625%, 9/1/17 (144A)	1,858,40
			\$ 16,287,23
1,165,000	B+/B1	Tires & Rubber -- 0.4% Goodyear Tire & Rubber Co., 10.5%, 5/15/16	\$ 1,319,36
		Total Automobiles & Components	\$ 17,606,59
		CONSUMER DURABLES & APPAREL -- 2.9%	
1,095,000	CCC/Caa2	Homebuilding -- 1.1% Beazer Homes USA, Inc., 9.125%, 6/15/18	\$ 1,025,19
3,060,000	B+/B1	Meritage Homes Corp., 6.25%, 3/15/15	3,006,45
			\$ 4,031,64
1,435,000	B/B1	Housewares & Specialities -- 1.8% Jarden Corp., 7.5%, 5/1/17	\$ 1,485,22
3,690,000 (b)	B-/B3	Yankee Acquisition Corp., 8.5%, 2/15/15	3,809,92
1,500,000	CCC+/Caa1	Yankee Acquisition Corp., 9.75%, 2/15/17	1,560,00
			\$ 6,855,15
		Total Consumer Durables & Apparel	\$ 10,886,79
		HOUSEHOLD & PERSONAL PRODUCTS -- 0.3%	
1,050,000	B-/NR	Personal Products -- 0.3% Revlon Consumer Products Corp., 9.75%, 11/15/15	\$ 1,102,50
		Total Household & Personal Products	\$ 1,102,50

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

		CONSUMER SERVICES -- 2.1%	
		Casinos & Gaming -- 1.6%	
1,650,000 (c)	NR/WR	Buffalo Thunder Development Authority, 9.375%, 12/15/14 (144A)	\$ 429,000
975,000	B+/B2	FireKeepers Development Authority, 13.875%, 5/1/15 (144A)	1,135,875
4,500,000 (c)	NR/Ca	Little Traverse Bay Bands of Odawa Indians, 10.25%, 2/15/14 (144A)	1,507,500
1,375,000 (c)	NR/WR	Mashantucket Western Pequot Tribe, 8.5%, 11/15/15 (144A)	206,250
401,000	B/NR	Pinnacle Entertainment, Inc., 8.75%, 5/15/20	394,980

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 17

Schedule of Investments | 9/30/10 (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		
		Casinos & Gaming -- (continued)	
1,585,000	B+/B2	Pokagon Gaming Authority, 10.375%, 6/15/14 (144A)	\$
275,000	BB-/B1	Scientific Games International, Inc., 9.25%, 6/15/19	
740,000	CCC/Caa2	Shingle Springs Tribal Gaming Authority, 9.375%, 6/15/15 (144A)	
			\$
		Specialized Consumer Services -- 0.5%	
1,750,000	B-/B3	StoneMor Operating LLC/Cornerstone Family Services/ Osiris Holdings, 10.25%, 12/1/17 (144A)	\$
		Total Consumer Services	\$
		MEDIA -- 8.8%	
		Advertising -- 1.3%	
2,690,000	B+/B2	MDC Partners, Inc., 11.0%, 11/1/16 (144A)	\$
2,600,000	B-/Caa2	Sitel LLC/Sitel Finance Corp., 11.5%, 4/1/18 (144A)	\$
		Broadcasting -- 5.6%	
1,096,054	B/B2	CCH II LLC/CCH II Capital Corp., 13.5%, 11/30/16	\$
970,000	B/B1	Hughes Network Systems LLC, 9.5%, 4/15/14	
4,320,000	B/B1	Hughes Network Systems LLC, 9.5%, 4/15/14	
3,527,831 (d)	CCC+/Caa3	Intelsat Bermuda, Ltd., 11.5%, 2/4/17	
2,500,000	BB-/B3	Intelsat Corp., 9.25%, 6/15/16	
1,000,000	B+/B3	Intelsat Subsidiary Holding Co., Ltd., 8.5%, 1/15/13	
535,000	B-/Caa1	Telesat Canada, 11.0%, 11/1/15	
800,000	B-/Caa1	Telesat Canada, 12.5%, 11/1/17	
5,380,689 (b) (d)	CCC/Caa2	Univision Communications, Inc., 9.75%, 3/15/15 (144A)	

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

EURO					
3,750,000		BB-/B2	Cable & Satelite -- 1.4%		\$
			Kabel Deutschland GMBH, 10.75%, 7/1/14		\$
400,000		B-/Caa1	Publishing -- 0.5%		\$
1,400,000		CCC+/Caa2	Interactive Data Corp., 10.25%, 8/1/18 (144A)		\$
			TL Acquisitions, Inc., 10.5%, 1/15/15 (144A)		\$
			Total Media		\$
640,000		B-/Caa1	RETAILING -- 2.9%		\$
			Automotive Retailing -- 0.2%		\$
			Sonic Automotive, Inc., 8.625%, 8/15/13		\$
475,000		B-/B3	Distributors -- 0.1%		\$
			Minerva Overseas II, Ltd., 10.875%, 11/15/19 (144A)		\$

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

18 Pioneer High Income Trust | Semiannual Report | 9/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
4,340,000	B/B1	Internet Retailing -- 1.3%	
		Ticketmaster Entertainment, Inc., 10.75%, 8/1/16	\$ 4,752
4,615,000 (b)	B/Caa1	Specialty Stores -- 1.3%	
		Sally Holdings LLC, 10.5%, 11/15/16	\$ 5,053
		Total Retailing	\$ 10,963
5,622,000	B+/B3	FOOD, BEVERAGE & TOBACCO -- 5.6%	
		Agricultural Products -- 1.6%	
		Southern States Cooperative Inc., 11.25%, 5/15/15 (144A)	\$ 5,959
5,885,000	BBB+/A3	Brewers -- 1.7%	
		Cia Brasileira de Bebida, 10.5%, 12/15/11	\$ 6,473
775,000	NR/B1	Packaged Foods & Meats -- 1.4%	
1,500,000	B-/B3	Bertin, Ltd., 10.25%, 10/5/16 (144A)	\$ 863
		FAGE Dairy Industry SA/FAGE USA Dairy Industry, Inc., 9.875%, 2/1/20 (144A)	1,279
500,000	B+/B1	Marfrig Overseas, Ltd., 9.625%, 11/16/16 (144A)	536
2,410,000	B-/B3	Minerva Overseas, Ltd., 9.5%, 2/1/17 (144A)	2,482
			\$ 5,161

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

3,450,000	B+/B2	Tobacco -- 0.9%	
		Alliance One International, Inc., 10.0%, 7/15/16	\$ 3,734
		Total Food, Beverage & Tobacco	\$ 21,328

2,875,000	CCC+/Caa2	HEALTH CARE EQUIPMENT & SERVICES -- 5.3%	
		Health Care Equipment & Services -- 0.8%	
		Accellent, Inc., 10.5%, 12/1/13	\$ 2,903

110,000	BB-/B2	Health Care Facilities -- 2.2%	
535,000	B-/Caa1	HCA, Inc., 9.875%, 2/15/17	\$ 121
3,308,147 (d)	BB-/B2	HCA, Inc., 6.25%, 2/15/13	544
3,725,000	CCC+/Caa1	HCA, Inc., 9.625%, 11/15/16	3,610
		Surgical Care Affiliates, Inc., 10.0%, 7/15/17 (144A)	3,804
			\$ 8,080

1,287,000	B-/B3	Health Care Services -- 0.7%	
1,256,000	B-/B2	Bioscrip, Inc., 10.25%, 10/1/15	\$ 1,315
		Gentiva Health Services, Inc., 11.5%, 9/1/18 (144A)	1,340
			\$ 2,656

615,000	B-/B3	Health Care Supplies -- 1.6%	
1,000,000	B/Caa1	Alere, Inc., 9.0%, 5/15/16	\$ 633
4,085,000 (d)	B-/B3	Bausch & Lomb, Inc., 9.875%, 11/1/15	1,063
		Biomet, Inc., 10.375%, 10/15/17	4,513
			\$ 6,211

		Total Health Care Equipment & Services	\$ 19,851

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 19

Schedule of Investments | 9/30/10 (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value

1,729,000	B+/B2	PHARMACEUTICALS & BIOTECHNOLOGY & LIFE SCIENCES -- 1.1%	
		Biotechnology -- 0.5%	
		Lantheus Medical Imaging, Inc., 9.75%, 5/15/17 (144A)	\$ 1,780,8

961,893 (d)	B/Caa1	Life Sciences Tools & Services -- 0.6%	
1,344,000	B+/B3	Catalent Pharma Solutions, Inc., 9.5%, 4/15/15	\$ 971,5
		PharmaNet Development Group, Inc., 10.875%, 4/15/17 (144A)	1,387,6
			\$ 2,359,1

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

		Total Pharmaceuticals & Biotechnology & Life Sciences	\$ 4,140,0
<hr/>			
		BANKS -- 1.4%	
		Diversified Banks -- 0.4%	
1,265,000 (a)	BB/Ba3	ABN AMRO North American Holding Preferred Capital Repackaging Trust, 6.523%, 12/29/49 (144A)	\$ 1,138,5
400,000 (a)	NR/Ba2	Banco Macro SA, 10.75%, 6/7/12	286,0
			<hr/>
			\$ 1,424,5
<hr/>			
		Regional Banks -- 1.0%	
1,225,000 (a) (h)	BBB/Baa3	PNC Financial Services Group, Inc., 8.25%	\$ 1,301,1
1,790,000 (a)	BBB+/Baa1	State Street Capital Trust III, 8.25%, 3/15/42	1,835,7
750,000 (a) (h)	A-/Ba1	Wells Fargo Capital XV, 9.75%	825,0
			<hr/>
			\$ 3,961,9
<hr/>			
			\$ 5,386,4
<hr/>			
		DIVERSIFIED FINANCIALS -- 3.8%	
		Asset Management & Custody Banks -- 0.7%	
575,000 (a)	BB+/Baa3	Janus Capital Group, Inc., 6.5%, 6/15/12	\$ 603,1
975,000 (a)	BBB+/Baa3	Janus Capital Group, Inc., 6.95%, 6/15/17	1,018,5
950,000 (a)	B+/B1	Pinafore LLC, 9.0%, 10/1/18 (144A)	997,5
			<hr/>
			\$ 2,619,1
<hr/>			
		Investment Banking & Brokerage -- 0.5%	
2,325,000 (a) (h)	BBB/Baa2	Goldman Sachs Capital II, 5.793%	\$ 1,973,3
<hr/>			
		Other Diversified Financial Services -- 0.1%	
250,000 (a)	BB/NR	Ibis Re, Ltd., 10.507%, 5/10/12 (144A)	\$ 271,1
<hr/>			
		Specialized Finance -- 2.5%	
500,000	BB/Baa3	Capital One Capital V, 10.25%, 8/15/39	\$ 541,2
300,000 (a)	B-/NR	Montana Re, Ltd., 13.502%, 12/7/12 (144A)	302,1
695,000	B+/NR	National Money Mart Co., 10.375%, 12/15/16	740,1
8,825,000	CCC/Caa2	NCO Group, Inc., 11.875%, 11/15/14	7,898,3
			<hr/>
			\$ 9,481,9
<hr/>			
			\$ 14,345,6
<hr/>			
			\$ 14,345,6

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

20 Pioneer High Income Trust | Semiannual Report | 9/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Value
------------------------------	---------------------------------------	-------

INSURANCE -- 6.6%

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

			Insurance Brokers -- 3.0%	
3,305,000	CCC/Caa1		Alliant Holdings I, Inc., 11.0%, 5/1/15 (144A)	\$ 3,
100,000	CCC+/B3		HUB International Holdings, Inc., 9.0%, 12/15/14 (144A)	
4,455,000	CCC+/Caa1		HUB International Holdings, Inc., 10.25%, 6/15/15 (144A)	4,
2,286,000 (a)	CCC/B3		U.S.I. Holdings Corp., 4.125%, 11/15/14 (144A)	1,
1,610,000	CCC/Caa1		U.S.I. Holdings Corp., 9.75%, 5/15/15 (144A)	1,
				----- \$ 11,

			Multi-Line Insurance -- 1.3%	
3,075,000 (a)	BB/Baa3		Liberty Mutual Group, Inc., 10.75%, 6/15/58 (144A)	\$ 3,
1,100,000	BBB/Baa2		MetLife, Inc., 10.75%, 8/1/39	1,
				----- \$ 5,

			Property & Casualty Insurance -- 1.5%	
5,300,000	BBB-/Baa3		Allmerica Financial Corp., 7.625%, 10/15/25	\$ 5,

			Reinsurance -- 0.8%	
EURO 275,000 (a)	B-/NR		Atlas Reinsurance Plc, 10.95%, 1/10/11 (144A)	\$
375,000 (a)	BB+/NR		Blue Fin, Ltd., 4.65% 4/10/12 (144A)	
250,000 (a)	BB-/NR		Mystic Re II, Ltd., 10.252%, 6/7/11 (144A)	
650,000 (a)	BB-/NR		Residential Reinsurance 2008, Ltd., 7.002%, 6/6/11 (144A)	
850,000 (a)	B-/NR		Residential Reinsurance 2008, Ltd., 11.752%, 6/6/11 (144A)	
250,000 (a)	B-/NR		Successor X, Ltd., 0.0%, 12/9/10 (144A)	
				----- \$ 2,
			Total Insurance	\$ 24,

			REAL ESTATE -- 1.3%	
			Real Estate Operating Companies -- 1.3%	
147,349 (a)	B-/NR		Alto Palermo SA, 11.0%, 6/11/12 (144A)	\$
5,000,000	B-/B3		Forest City Enterprises, Inc., 7.625%, 6/1/15	4,
			Total Real Estate	\$ 4,

			SOFTWARE & SERVICES -- 3.6%	
			Application Software -- 0.5%	
1,870,000	CCC+/Caa2		Vangent, Inc., 9.625%, 2/15/15	\$ 1,

			Data Processing & Outsourced Services -- 0.9%	
3,965,000	B-/Caa1		First Data Corp., 9.875%, 9/24/15	\$ 3,

			Internet Software & Services -- 0.9%	
2,892,000	B-/B1		Terremark Worldwide, Inc., 12.0%, 6/15/17	\$ 3,

			IT Consulting & Other Services -- 0.7%	
2,845,000	CCC/Caa1		Activant Solutions, Inc., 9.5%, 5/1/16	\$ 2,

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
3,545,335 (d) (g)	NR/NR	Systems Software -- 0.6% Pegasus Solutions, Inc., 13.0%, 4/15/14 (144A)	\$ 2,659
		Total Software & Services	\$ 13,652
600,000	BBB/Baa3	TECHNOLOGY HARDWARE & EQUIPMENT -- 0.6% Computer Storage & Peripherals -- 0.2% Seagate Technology International, 10.0%, 5/1/14 (144A)	\$ 708
1,550,000	B/B1	Computer Storage & Peripherals -- 0.4% Da-Lite Screen Co., Inc., 12.5%, 4/1/15	\$ 1,588
		Total Technology Hardware & Equipment	\$ 2,296
2,210,000	B/B2	TELECOMMUNICATION SERVICES -- 7.9% Alternative Carriers -- 0.7% Global Crossing, Ltd., 12.0%, 9/15/15	\$ 2,497
1,100,000	NR/NR	Integrated Telecommunication Services -- 3.7% Bakrie Telecom PTE, Ltd., 11.5%, 5/7/15 (144A)	\$ 1,182
4,295,000	B-/B3	Broadview Networks Holdings, Inc., 11.375%, 9/1/12	4,209
539,000	B-/B3	Cincinnati Bell, Inc., 8.75%, 3/15/18	525
3,000,000	BB-/B2	GCI, Inc., 7.25%, 2/15/14	3,060
1,000,000	B/B1	PAETEC Holding Corp., 8.875%, 6/30/17	1,045
3,865,000 (b)	CCC+/Caa1	PAETEC Holding Corp., 9.5%, 7/15/15	3,942
			\$ 13,964
6,400,000 (b)	B-/Caa1	Wireless Telecommunication Services -- 3.5% Cricket Communications, Inc., 9.375%, 11/1/14	\$ 6,624
2,500,000	CCC+/Caa2	Intelsat Jackson Holdings, Ltd., 11.5%, 6/15/16	2,712
540,000	B/B2	MetroPCS Wireless, Inc., 9.25%, 11/1/14	565
3,020,000	B-/B2	True Move Co., Ltd., 10.75%, 12/16/13 (144A)	3,208
		Total Telecommunication Services	\$ 13,110
			\$ 29,572
885,000 (b)	B+/Caa3	UTILITIES -- 3.1% Electric Utilities -- 0.8% Energy Future Holdings Corp., 10.0%, 1/15/20 (144A)	\$ 878
3,095,000 (b)	CCC/Caa2	Texas Competitive Electric Holdings Co. LLC, 10.25%, 11/1/15	2,027
			\$ 2,905
3,890,000 (b)	A/A3	Independent Power Producers & Energy Traders -- 2.0% Foresight Energy Corp., 9.625%, 8/15/17 (144A)	\$ 4,006
1,800,000	BB-/Ba3	InterGen NV, 9.0%, 6/30/17 (144A)	1,903
1,500,000	NR/B2	Star Energy Geothermal (Wayang Windu), Ltd., 11.5%,	

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

2/12/15 (144A)

1,695

\$ 7,605

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

22 Pioneer High Income Trust | Semiannual Report | 9/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
1,000,000	BB-/Ba2	Multi - Utilities -- 0.3% PNM Resources, Inc., 9.25%, 5/15/15	\$ 1,076,250
		Total Utilities	\$ 11,587,971
		TOTAL CORPORATE BONDS & NOTES (Cost \$389,433,338)	\$ 409,284,706
1,905,000	BB-/NR	CONVERTIBLE BONDS & NOTES -- 7.4% of Net Assets ENERGY -- 1.9% Coal & Consumable Fuels -- 0.5% Massey Energy Co., 3.25%, 8/1/15	\$ 1,690,688
2,265,000 (b)	NR/NR	Oil & Gas Drilling -- 1.1% Hercules Offshore, Inc., 10.5%, 10/15/17	\$ 1,562,850
1,600,000 (b)	BBB/Baa3	Transocean, Ltd., 1.5%, 12/15/37	1,566,000
1,175,000	BBB/Baa3	Transocean, Ltd., 1.625%, 12/15/37	1,166,188
			\$ 4,295,038
1,340,000	BB/Ba3	Oil & Gas Exploration & Production -- 0.3% Chesapeake Energy Corp., 2.5%, 5/15/37	\$ 1,165,800
		Total Energy	\$ 7,151,526
4,000 (f)	BB-/NR	MATERIALS -- 0.8% Diversified Chemicals -- 0.8% Hercules, Inc., 6.5%, 6/30/29	\$ 3,080,000
		Total Materials	\$ 3,080,000
500,000	NR/NR	CAPITAL GOODS -- 0.5% Electrical Components & Equipment -- 0.5% JA Solar Holdings Co., Ltd., 4.5%, 5/15/13	\$ 472,500
1,569,000	NR/NR	Suntech Power Holdings Co., Ltd., 3.0%, 3/15/13	1,353,263
		Total Capital Goods	\$ 1,825,763
3,330,000	CCC+/Caa3	TRANSPORTATION -- 0.8% Marine -- 0.8% Horizon Lines, Inc., 4.25%, 8/15/12	\$ 3,030,299

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

		Total Transportation	\$ 3,030,299

		MEDIA -- 0.4%	
		Movies & Entertainment -- 0.4%	
1,832,000	B-/NR	Live Nation, Inc., 2.875%, 7/15/27	\$ 1,566,360

		Total Media	\$ 1,566,360

		HEALTH CARE EQUIPMENT & SERVICES -- 1.7%	
		Health Care Equipment & Services -- 0.7%	
2,837,000 (e)	BB+/NR	Hologic, Inc., 2.0%, 12/15/37	\$ 2,624,225

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 23

Schedule of Investments | 9/30/10 (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value

		Health Care Facilities -- 0.7%	
1,985,000 (b)	B/B2	LifePoint Hospitals, Inc., 3.25%, 8/15/25	\$ 1,937,8
780,000	B/NR	LifePoint Hospitals, Inc., 3.5%, 5/15/14	776,1

			\$ 2,713,9

1,210,000	B+/B1	Health Care Services -- 0.3%	
		Omnicare, Inc., 3.25%, 12/15/35	\$ 1,040,5

		Total Health Care Equipment & Services	\$ 6,378,7

		TECHNOLOGY HARDWARE & EQUIPMENT -0.4%	
		Electronic Equipment & Instruments -- 0.4%	
1,514,000	B+/NR	L-1 Identity Solutions, Inc., 3.75%, 5/15/27	\$ 1,514,0

		Total Technology Hardware & Equipment	\$ 1,514,0

		TELECOMMUNICATION SERVICES -- 0.9%	
		Alternative Carriers -- 0.9%	
3,025,000	B-/B3	Time Warner Telecom, Inc., 2.375%, 4/1/26	\$ 3,531,6

		Total Telecommunication Services	\$ 3,531,6

		TOTAL CONVERTIBLE BONDS & NOTES (Cost \$21,187,488)	\$ 28,078,4

		MUNICIPAL BONDS -- 5.6% of Net Assets	
		Indiana -- 1.6%	
1,650,000	BBB/Baa2	East Chicago Industrial Pollution Control Revenue, 7.0%, 1/1/14	\$ 1,602,7
4,250,000	BBB/NR	Indiana Development Finance Authority Revenue, 5.75%, 10/1/11	4,324,1

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
			\$ 5,926,9
3,000,000 (g)	NR/NR	Michigan -- 0.0% Wayne Charter Escrow, 0.0%, 12/1/15	\$
4,525,000	B/B3	New Jersey -- 1.2% New Jersey Economic Development Authority Revenue, 7.0%, 11/15/30	\$ 4,533,1
3,475,000	BB-/B1	New York -- 0.9% New York City Industrial Development Agency Revenue, 7.625%, 12/1/32	\$ 3,533,3
6,300,000	NR/NR	North Carolina -- 1.9% Charlotte Special Facilities Refunding Revenue, 5.6%, 7/1/27	\$ 5,533,3
1,670,000	NR/NR	Charlotte Special Facilities Refunding Revenue, 7.75%, 2/1/28	1,673,8
			\$ 7,207,1
		TOTAL MUNICIPAL BONDS (Cost \$16,652,888)	\$ 21,200,6

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

24 Pioneer High Income Trust | Semiannual Report | 9/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
		MUNICIPAL COLLATERALIZED DEBT OBLIGATION -- 0.6% of Net Assets	
3,300,000 (a) (i)	NR/NR	Non-Profit Preferred Funding Trust I, 12.0%, 9/15/37 (144A)	\$ 2,22
		TOTAL MUNICIPAL COLLATERALIZED DEBT OBLIGATION (Cost \$3,293,400)	\$ 2,22
		SOVEREIGN DEBT OBLIGATIONS -- 1.0% of Net Assets	
1,200,000	B-/B2	Argentina -- 0.3% City of Buenos Aires, 12.5%, 4/6/15 (144A)	\$ 1,28
2,076,400 (e)	BBB+/Baa2	Russia -- 0.7% Russia Government International Bond, 7.5%, 3/31/30	\$ 2,47
		TOTAL SOVEREIGN DEBT OBLIGATIONS (Cost \$2,645,968)	\$ 3,76
		FLOATING RATE LOAN INTERESTS -- 3.1% of Net Assets (j)	

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

750,000	BB/NR	ENERGY -- 0.3% Coal & Consumable Fuels -- 0.2% Bumi Resources Term Loan, 0.0%, 8/5/32	\$	75
452,111	BB-/B3	Oil & Gas Exploration & Production -- 0.1% Venoco, Inc., Second Lien Term Loan, 4.25%, 5/7/14	\$	42
		Total Energy	\$	1,17
418,000	B/B2	MATERIALS -- 0.7% Diversified Chemicals -- 0.3% Ineos US Finance LLC, Facility Term Loan B-2, 7.5%, 12/16/13	\$	41
418,000	B/B2	Ineos US Finance LLC, Facility Term Loan C-2, 8.0%, 12/16/14	\$	41
			\$	83
1,567,131 (g)	B/B3	Steel -- 0.4% Niagara Corp. Term Loan B, 10.5%, 6/29/14	\$	1,55
		Total Materials	\$	2,39
119,378	B-/Caa1	COMMERCIAL & PROFESSIONAL SERVICES -- 0.0% Diversified Support Services -- 0.0% Rental Service Corp., Second Lien Initial Term Loan, 3.76%, 11/30/13	\$	11
		Total Commercial & Professional Services	\$	11

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 25

Schedule of Investments | 9/30/10 (unaudited) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
1,300,000	NR/NR	FOOD & STAPLES RETAILING -- 0.3% FOOD, BEVERAGE & TOBACCO -- 0.3% Packaged Foods & Meats -- 0.3% Pierre Foods, Inc., LIEN 2, 0.0%, 7/29/17	\$ 1,254,
		Total Food, Beverage & Tobacco	\$ 1,254,
1,149,225	NR/B1	HEALTH CARE EQUIPMENT & SERVICES -- 0.7% Health Care Services -- 0.3% Prime Healthcare Services Term Loan B, 7.25%, 4/28/15	\$ 1,131,
1,400,000	B/B2	Health Care Technology -- 0.4% Medical Card 1st Lien Term Loan, 12.0%, 8/10/15	\$ 1,372,

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

		Total Health Care Equipment & Services	\$ 2,503,
400,661	B+/B3	AUTOMOBILES & COMPONENTS -- 0.1% Auto Parts & Equipment -- 0.1% HHI Group Holdings, LLC, Term Loan, 10.5%, 4/30/15	\$ 406,
		Total Automobiles & Components	\$ 406,
2,330,000 (c)	D/C	CONSUMER SERVICES -- 0.1% Casinos & Gaming -- 0.1% Gateway Casinos & Entertainment, Inc., Advance Second Lien Term Loan, 5.751%, 3/31/15	\$ 407,
		Total Consumer Services	\$ 407,
373,797	B-/B2	INSURANCE -- 0.6% Multi-Line Insurance -- 0.6% AmWins Group, Inc., Initial Term Loan 2.76% - 2.78%, 6/8/13	\$ 347,
2,250,000	CCC/B3	AmWins Group, Inc., Second Lien Initial Term Loan, 5.78%, 6/9/14	1,935,
		Total Insurance	\$ 2,282,
188,100	B+/B1	UTILITIES -- 0.3% Electric Utilities -- 0.3% Texas Competitive Electric Holdings Co., LLC, Delayed Draw Term Loan, 3.729%-3.79%, 10/10/14	\$ 145,
1,184,733	B+/B1	Texas Competitive Electric Holdings Co., LLC, Initial Tranche B-2 Term Loan, 3.729%-3.79%, 10/10/14	922,
		Total Utilities	\$ 1,067,
		TOTAL FLOATING RATE LOAN INTERESTS (Cost \$13,740,689)	\$ 11,604,

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

26 Pioneer High Income Trust | Semiannual Report | 9/30/10

Shares		Value
43,119 (k)	COMMON STOCKS -- 3.2% of Net Assets AUTOMOBILES & COMPONENTS -- 0.9% Auto Parts & Equipment -- 0.9% Lear Corp.	\$ 3,403,383
	Total Automobiles & Components	\$ 3,403,383
894 (g) (k) (i)	CAPITAL GOODS -- 0.1% Building Products -- 0.1% Panolam Holdings Co.	\$ 438,060

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

	Total Capital Goods	\$	438,060
13,045	ENERGY -- 0.1% Oil & Gas Drilling -- 0.1% Rowan Companies, Inc.	\$	396,053
	Total Energy	\$	396,053
79,319(k)	MATERIALS -- 1.4% Commodity Chemicals -- 0.4% Georgia Gulf Corp.	\$	1,296,073
78,678 67,842	Diversified Chemicals -- 0.9% LyondellBasell Industries NV, Class A LyondellBasell Industries NV, Class B	\$	1,880,404 1,618,032
		\$	3,498,436
3,995	Diversified Metals & Mining -- 0.1% Freeport-McMoRan Copper & Gold, Inc., Class B	\$	341,133
26,215(g)	Steel -- 0.0% KNIA Holdings, Inc., Class A	\$	183,243
	Total Materials	\$	5,318,885
17,042(b)(k)	MEDIA -- 0.1% Cable & Satellite -- 0.1% Charter Communications, Inc.	\$	553,865
	Total Media	\$	553,865
17,818	PHARMACEUTICALS & BIOTECHNOLOGY & LIFE SCIENCES -- 0.3% Pharmaceuticals -- 0.3% Teva Pharmaceutical Industries, Ltd. (A.D.R.)	\$	939,900
	Total Pharmaceuticals & Biotechnology & Life Sciences	\$	939,900
10,942(g)(k)	SOFTWARE & SERVICES -- 0.0% Systems Software -- 0.0% Perseus Holding Corp. (144A)	\$	--
	Total Software & Services	\$	--

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 27

Schedule of Investments | 9/30/10 (unaudited) (continued)

Shares		Value
	TRANSPORTATION -- 0.3%	

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

96,819 (b) (k)	Airlines -- 0.3%		
	Delta Airlines, Inc. (144A)	\$	1,126,973

	Total Transportation	\$	1,126,973

	TOTAL COMMON STOCKS		
	(Cost \$9,703,379)	\$	12,177,119

	CONVERTIBLE PREFERRED STOCK -- 0.7% of Net Assets		
	DIVERSIFIED FINANCIALS -- 0.7%		
	Other Diversified Financial Services -- 0.7%		
2,755	Bank of America Corp., 7.25%	\$	2,706,788

	Total Diversified Financials	\$	2,706,788

	TOTAL CONVERTIBLE PREFERRED STOCK		
	(Cost \$2,108,446)	\$	2,706,788

	PREFERRED STOCK -- 0.0% of Net Assets		
	SOFTWARE & SERVICES -- 0.0%		
	Systems Software -- 0.0%		
5,745 (g)	Perseus Holding Corp., 14.0% (144A)	\$	--

	TOTAL PREFERRED STOCK		
	(Cost \$0)	\$	--

	RIGHTS/WARRANTS -- 0.0% of Net Assets		
	Banks -- 0.0%		
	Diversified Banks -- 0.0%		
1,310,558	Norse Energy Corp. ASA	\$	2

	Total Banks	\$	2

	ENERGY -- 0.0%		
	Oil & Gas Exploration & Production -- 0.0%		
2,500,000 (k)	Norse Energy Corp. ASA - CW11, Expires 7/14/11	\$	72,573
250,000	Panoro Energy Corp.		14,941

	Total Energy	\$	87,514

	TOTAL RIGHTS/WARRANTS		
	(Cost \$598,018)	\$	87,516

	ESCROW HOLDINGS -- 0.0% of Net Assets		
	ENERGY -- 0.0%		
	Oil & Gas Refining & Marketing -- 0.0%		
4,280,000 (g) (k)	Verasun Energy Corp.	\$	43

	Total Energy	\$	43

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

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

Shares		Value
	AUTOMOBILES & COMPONENTS -- 0.0%	
	Auto Parts & Equipment -- 0.0%	
4,535,000 (g) (k)	Lear Corp.	\$ 45
	Total Automobiles & Components	\$ 45
	TOTAL ESCROW HOLDINGS	
	(Cost \$0)	\$ 88
	TEMPORARY CASH INVESTMENTS -- 12.9% of Net Assets	
	Repurchase Agreements -- 1.9%	
1,785,000	BNP Paribas, 0.25%, 10/1/10	\$ 1,785,000
1,785,000	Deutsche Bank Finance, 0.23%, 10/1/10	1,785,000
1,785,000	JPMorgan, Inc., 0.25%, 10/1/10	1,785,000
1,785,000	Societe Generale, 0.22%, 10/1/10	1,785,000
	Total Repurchase Agreements	\$ 7,140,000
	SECURITIES LENDING COLLATERAL -- 11.0%(1)	
	Certificates of Deposit:	
1,178,006	Bank of Nova Scotia, 0.37%, 9/29/10	\$ 1,178,006
824,606	BBVA Group NY, 0.56%, 7/26/11	824,606
1,178,006	BNP Paribas Bank NY, 0.38%, 11/8/10	1,178,006
589,004	DNB Nor Bank ASA NY, 0.27%, 11/10/10	589,004
1,178,006	Nordea NY, 0.5%, 12/10/10	1,178,006
1,178,006	RoboBank Netherland NV NY, 0.44%, 8/8/11	1,178,006
1,178,006	Royal Bank of Canada NY, 0.26%, 1/21/11	1,178,006
1,178,006	SocGen NY, 0.34%, 11/10/10	1,178,006
589,004	Svenska NY, 0.275%, 11/12/10	589,004
		\$ 9,070,650
	Commercial Paper:	
706,804	American Honda Finance, 0.28%, 5/4/11	\$ 706,804
473,863	American Honda Finance, 1.04%, 6/20/11	473,863
433,407	Australia & New Zealand Banking Group, 1.04%, 8/4/11	433,407
1,202,399	Caterpillar Financial Services Corp., 1.04%, 6/24/11	1,202,399
1,295,807	CBA, 0.31%, 1/3/11	1,295,807
824,079	CHARFD, 0.31%, 12/14/10	824,079
235,566	CHARFD, 0.38%, 10/15/10	235,566
706,469	CLIPPR, 0.28%, 12/1/10	706,469
380,325	CLIPPR, 0.45%, 10/8/10	380,325
471,161	CLIPPR, 0.45%, 10/8/10	471,161
658,916	FAIRPP, 0.3%, 11/9/10	658,916
470,987	FASCO, 0.27%, 12/1/10	470,987
1,178,166	Federal Home Loan Bank, 0.37%, 6/1/11	1,178,166
588,969	GE Corp., 0.55%, 1/26/11	588,969
117,727	General Electric Capital Corp., 0.37%, 6/6/11	117,727
127,509	General Electric Capital Corp., 0.59%, 10/6/10	127,509
128,402	General Electric Capital Corp., 0.62%, 10/21/10	128,402
470,987	OLDLLC, 0.27%, 12/1/10	470,987

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

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

Schedule of Investments | 9/30/10 (unaudited) (continued)

Shares		Value

	Commercial Paper -- (continued)	
645,318	OLDLLC, 0.27%, 12/2/10	\$ 645,318
942,169	SANTANDER, 0.43%, 10/22/10	942,169
588,712	SRCPP, 0.27%, 12/6/10	588,712
235,574	SRCPP, 0.38%, 10/12/10	235,574
883,582	STRAIT, 0.25%, 12/8/10	883,582
353,391	STRAIT, 0.36%, 10/4/10	353,391
588,729	TBLLC, 0.27%, 12/2/10	588,729
588,935	TBLLC, 0.38%, 10/12/10	588,935
1,178,006	Toyota Motor Credit Corp., 0.44%, 9/8/11	1,178,006
1,177,732	VARFUN, 0.35%, 10/25/10	1,177,732
706,831	Wachovia, 0.39%, 3/22/11	706,831
1,178,006	Westpac, 0.5%, 07/29/11	1,178,006
471,171	WFC, 0.37%, 12/2/10	471,171

		\$ 20,009,699

	Tri-party Repurchase Agreements:	
857,967	Barclays Capital Markets, 0.2%, 10/1/10	\$ 857,967
4,712,027	Deutsche Bank Securites, Inc., 0.25%, 10/1/10	4,712,027
1,178,006	HSBC Bank USA NA, 0.25% 10/1/10	1,178,006
706,804	JPMorgan, Inc., 0.22%, 10/1/10	706,804
1,178,006	RBS Securities, Inc., 0.25%, 10/1/10	1,178,006

		\$ 8,632,810

	Money Market Mutual Funds:	
1,178,006	Blackrock Liquidity Temporary Cash Fund	\$ 1,178,006
1,178,006	Dreyfus Preferred Money Market Fund	1,178,006
1,178,006	Fidelity Prime Money Market Fund	1,178,006

		\$ 3,534,018

	Total Securities Lending Collateral	\$ 41,247,177

	TOTAL TEMPORARY CASH INVESTMENTS (Cost \$48,387,177)	\$ 48,387,177

	TOTAL INVESTMENTS IN SECURITIES -- 147.4% (Cost \$524,010,489) (m) (n)	\$ 555,291,726

	OTHER ASSETS AND LIABILITIES - (7.3)%	\$ (27,738,907)

	PREFERRED SHARES AT REDEMPTION VALUE, INCLUDING DIVIDENDS PAYABLE -- (40.1)%	\$ (151,001,606)

	NET ASSETS APPLICABLE TO COMMON SHAREOWNERS -- 100.0%	\$ 376,551,213
=====		

NR Security not rated by S&P or Moody's.

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

WR Withdrawn Rating.

(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 September 30, 2010, the value of these securities amounted to \$155,733,050 or 41.4% of total net assets applicable to common shareowners.

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

30 Pioneer High Income Trust | Semiannual Report | 9/30/10

(a) Floating rate note. The rate shown is the coupon rate at September 30, 2010.

(b) At September 30, 2010, the following securities were out on loan:

Principal Amount USD(\$)	Description	Market Value
273,000	Allison Transmission, Inc., 11.0%, 11/1/15 (144A)	\$ 296,205
500,000	Appleton Papers, Inc., 10.5%, 6/15/15 (144A)	468,750
1,300,000	Bumi Capital Pte, Ltd., 12.0%, 11/10/16 (144A)	1,394,250
6,332,000	Cricket Communications, Inc., 9.375%, 11/1/14	6,553,620
876,000	Energy Future Holdings Corp., 10.0%, 1/15/20 (144A)	869,658
400,000	Foresight Energy Corp., 9.625%, 8/15/17 (144A)	412,000
1,230,000	Graphic Packaging International, Inc., 9.5%, 8/15/13	1,256,138
1,000,000	Hercules Offshore, Inc., 10.5%, 10/15/17	690,000
2,970,000	Hexion U.S. Finance Corp., 9.75%, 11/15/14	3,088,800
2,515,750	Ineos Group Holdings Plc, 8.5%, 2/15/16 (144A)	2,128,953
1,900,000	LifePoint Hospitals, Inc., 3.25%, 8/15/25	1,854,875
766,000	Manitowoc Co., Inc., 9.5%, 2/15/18	800,470
1,149,000	PAETEC Holding Corp., 9.5%, 7/15/15	1,171,980
4,400,000	Sally Holdings LLC, 10.5%, 11/15/16	4,818,000
4,192,000	Tenneco Automotive, Inc., 8.625%, 11/15/14	4,296,800
1,681,000	Tesoro Corp., 9.75%, 6/1/19	1,849,100
3,064,000	Texas Competitive Electric Holdings Co. LLC, 10.25%, 11/1/15	2,006,920
1,778,000	Tower Automotive Holdings USA LLC, 10.625%, 9/1/17 (144A)	1,795,780
99,000	Transocean, Ltd., 1.5%, 12/15/37	96,896
150,000	Univision Communications, Inc., 9.75%, 3/15/15 (144A)	143,250
3,602,000	Yankee Acquisition Corp., 8.5%, 2/15/15	3,719,065
<hr/>		
Shares		
15,000	Charter Communications, Inc.	487,500
95,800	Delta Airlines, Inc. (144A)	1,115,112
<hr/>		
		\$41,314,122
<hr/>		

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

is as follows:

United States	81.0%
Canada	3.0%
Cayman Islands	2.6%
Bermuda	1.9%
Norway	1.8%
Netherlands	1.7%
Brazil	1.4%
United Kingdom	1.3%
Germany	1.0%
Other (individually less than 1%)	4.3%

	100.0%
	=====

Note: Principal amounts are denominated in U.S. dollars unless otherwise denoted.

EURO Euro
 NOK Norwegian Krone

Glossary of Terms:

(A.D.R.) American Depositary Receipt

Purchases and sales of securities (excluding temporary cash investments) for the six months ended September 30, 2010, aggregated \$66,091,428 and \$24,603,707, respectively.

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

32 Pioneer High Income Trust | Semiannual Report | 9/30/10

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

Highest priority is given to Level 1 inputs and lowest priority is given to Level 3.

- 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 risk, 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 September 30, 2010, in valuing the Trust's investments:

	Level 1	Level 2	Level 3	Total
--	---------	---------	---------	-------

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

Asset backed securities	\$	--	\$ 10,400,382	\$	--	\$ 10,400,382
Collateralized mortgage backed securities			5,378,113		--	5,378,113
Corporate bonds & notes (environmental & facilities)		--	--		133,493	133,493
Corporate bonds & notes (systems software)		--	--		2,659,001	2,659,001
Corporate bonds & notes (other industries)			406,492,212		--	406,492,212
Convertible bonds & notes		--	28,078,416		--	28,078,416
Municipal bonds			21,200,586		30	21,200,616
Municipal collateralized debt obligation		--	2,225,685		--	2,225,685
Sovereign debt obligation		--	3,760,637		--	3,760,637
Floating rate loan interests (steel)		--	--		1,551,460	1,551,460
Floating rate loan interests (other industries)		--	10,053,023		--	10,053,023
Common stock (building products)		--	--		438,060	438,060
Common stock (systems software)		--	--		--	--
Common stock (steel)		--	--		183,243	183,243
Common stock (other industries)		11,555,816	--		--	11,555,816
Convertible preferred stock (other diversified financial services)		--	2,706,788		--	2,706,788
Rights/Warrants		87,516	--		--	87,516
Escrow holdings					88	88
Temporary cash investments		--	44,853,159		--	44,853,159
Money Market Mutual Funds		3,534,018	--		--	3,534,018
Total		\$15,177,350	\$535,149,001		\$4,965,375	\$555,291,725

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 33

Schedule of Investments | 9/30/10 (unaudited) (continued)

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

	Balance as of 3/31/10	Realized gain (loss)	Change in unrealized appreciation (depreciation) (1)	Net purchases (sales)	Transfer in a out Level
Corporate bonds & notes (environmental & facilities)	\$ --	\$--	\$ --	\$ --	\$133,493
Corporate bonds & notes (systems software)	2,585,250	--	172,086	(98,335)	
Municipal Bonds	--	--	30	--	
Floating rate loan interests (steel)	1,546,097	--	5,363	--	
Common stock					

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

(building products)	438,060	--	--	--
Common stock (steel)	203,428	--	(20,185)	--
Escrow holdings	--	--	88	--
Ending balance	\$4,772,835	\$--	\$ 157,382	\$ (98,335) \$133

(1) Unrealized appreciation (depreciation) on these securities is included in the change in unrealized gain (loss) from investments in the Statement of Operations.

* Transfers are calculated beginning of period.

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

34 Pioneer High Income Trust | Semiannual Report | 9/30/10

Statement of Assets and Liabilities | 9/30/10 (unaudited)

ASSETS:

Investments in securities, at value (including securities loaned of \$41,314,122 (cost \$524,010,489)	\$555,291,726
Cash	2,113,369
Foreign currencies, at value (cost \$2,853,206)	2,617,709
Receivables --	
Investment securities sold	515,699
Dividends and interest	12,065,909
Prepaid expenses and other assets	39,410
Total assets	\$572,643,822

LIABILITIES:

Payables --	
Investment securities purchased	\$ 3,439,168
Upon return of securities loaned	41,247,177
Due to affiliates	269,166
Accrued expenses	135,492
Total liabilities	\$ 45,091,003

PREFERRED SHARES AT REDEMPTION VALUE:

\$25,000 liquidation value per share applicable to 6,040 shares, including dividends payable of \$1,606	\$151,001,606
---------------------------------------------------------------------------------------------------------	---------------

NET ASSETS APPLICABLE TO COMMON SHAREOWNERS:

Paid-in capital	\$395,903,902
Undistributed net investment income	10,507,008
Accumulated net realized loss on investments and foreign currency transactions	(60,915,216)
Net unrealized gain on investments	31,281,237
Net unrealized loss on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	(225,718)
Net assets applicable to common shareowners	\$376,551,213

NET ASSET VALUE PER SHARE:

No par value (unlimited number of shares authorized)

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

Based on \$376,551,213/27,870,038 common shares \$ 13.51

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 35

Statement of Operations (unaudited)

For the Six Months Ended 9/30/10

INVESTMENT INCOME:

Interest	\$24,389,555	
Dividends (net of foreign taxes withheld \$582)	190,166	
Income from securities loaned, net	63,402	

Total investment income		\$24,6
-------------------------	--	--------

EXPENSES:

Management fees	\$ 1,550,928	
Administrative fees	70,419	
Transfer agent fees and expenses	21,608	
Shareowner communications expense	9,518	
Auction agent fees	192,593	
Custodian fees	24,749	
Registration fees	12,444	
Professional fees	63,136	
Printing expense	22,702	
Trustees' fees	8,054	
Pricing fee	20,746	
Miscellaneous	32,866	

Total expenses		\$2,02
Less fees paid indirectly		

Net expenses		\$2,02
--------------	--	--------

Net investment income		\$22,6
-----------------------	--	--------

REALIZED AND UNREALIZED GAIN (LOSS) ON INVESTMENTS AND FOREIGN CURRENCY TRANSACTIONS:

Net realized gain (loss) from:		
Investments	\$ 1,607,233	
Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	428,329	\$2,03

Change in net unrealized gain (loss) from:		
Investments	\$ 6,451,291	
Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	(406,948)	\$6,04

Net gain on investments and foreign currency transactions		\$8,07
-----------------------------------------------------------	--	--------

DISTRIBUTIONS TO PREFERRED SHAREOWNERS

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

FROM NET INVESTMENT INCOME:	\$ (24,000)
<hr/>	
Net increase in net assets applicable to common shareowners resulting from operations	\$30,400
<hr/>	

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

36 Pioneer High Income Trust | Semiannual Report | 9/30/10

Statement of Changes in Net Assets

For the Six Months Ended 9/30/10 (unaudited) and the Year Ended 3/31/10, respectively

	Six Months Ended 9/30/10 (unaudited)	Year Ended 3/31/10
<hr/>		
FROM OPERATIONS:		
Net investment income	\$ 22,613,361	\$ 45,468,
Net realized gain (loss) on investments and foreign currency transactions	2,035,562	(42,000,
Change in net unrealized gain (loss) on investments and foreign currency transactions	6,044,343	212,161,
Dividends and distributions to preferred shareowners from net investment income	(240,178)	(396,
<hr/>		
Net increase in net assets applicable to common shareowners resulting from operations	\$ 30,453,088	\$215,233,
<hr/>		
DISTRIBUTIONS TO COMMON SHAREOWNERS FROM:		
Net investment income (\$0.83 and \$1.65 per share, respectively)	\$ (22,929,564)	\$(45,526,
<hr/>		
Total distributions to common shareowners	\$ (22,929,564)	\$(45,526,
<hr/>		
FROM TRUST SHARE TRANSACTIONS:		
Reinvestment of distributions	\$ 1,940,982	\$ 3,323,
<hr/>		
Net increase in net assets applicable to common shareowners resulting from Trust share transactions	\$ 1,940,982	\$ 3,323,
<hr/>		
Net increase in net assets applicable to common shareowners	\$ 9,464,506	\$173,029,
<hr/>		
NET ASSETS APPLICABLE TO COMMON SHAREOWNERS:		
Beginning of year	367,086,707	194,056,
<hr/>		
End of year	\$ 376,551,213	\$367,086,
<hr/>		
Undistributed net investment income	\$ 10,507,008	\$ 11,063,
<hr/>		

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

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 37

Financial Highlights

	Six Months Ended 9/30/10 (unaudited)	Year Ended 3/31/10
Per Common Share Operating Performance		
Net asset value, beginning of period	\$ 13.23	\$
Increase (decrease) from investment operations: (a)		
Net investment income	\$ 0.81	\$
Net realized and unrealized gain (loss) on investments and foreign currency transactions	0.31	
Dividends and distributions to preferred shareowners from:		
Net investment income	(0.01)	(
Net realized gains	--	

Net increase (decrease) from investment operations	\$ 1.11	\$
Dividends and distributions to common shareowners from:		
Net investment income	(0.83)	(
Net realized gains	--	

Net increase (decrease) in net asset value	\$ 0.28	\$

Net asset value, end of period (c)	\$ 13.51	\$

Market value, end of period (c)	\$ 16.12	\$
=====		
Total return at market value (d)	10.86%	1
Ratios to average net assets of common shareowners		
Net expenses (e)	1.11% (f)	
Net investment income before preferred share dividends	12.37% (f)	
Preferred share dividends	0.13% (f)	
Net investment income available to common shareowners	12.24% (f)	
Portfolio turnover	5% (f)	

	Year Ended 3/31/09	Year Ended 3/31/08
Per Common Share Operating Performance		
Net asset value, beginning of period	\$ 13.41	\$ 16.63

Increase (decrease) from investment operations: (a)		
Net investment income	\$ 1.82	\$ 1.90
Net realized and unrealized gain (loss) on investments and foreign		

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

currency transactions	(6.38)	(2.73)
Dividends and distributions to preferred shareowners from:		
Net investment income	(0.13)	(0.22)
Net realized gains	--	(0.07)

Net increase (decrease) from investment operations	\$ (4.69)	\$ (1.12)
Dividends and distributions to common shareowners from:		
Net investment income	(1.65)	(1.65)
Net realized gains	--	(0.45)

Net increase (decrease) in net asset value	\$ (6.34)	\$ (3.22)

Net asset value, end of period (c)	\$ 7.07	\$ 13.41

Market value, end of period (c)	\$ 8.03	\$ 13.15
=====		
Total return at market value (d)	(27.74)%	(15.37)%
Ratios to average net assets of common shareowners		
Net expenses (e)	1.25%	1.02%
Net investment income before preferred share dividends	17.03%	12.36%
Preferred share dividends	1.22%	1.45%
Net investment income available to common shareowners	15.81%	10.91%
Portfolio turnover	19%	15%

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

38 Pioneer High Income Trust | Semiannual Report | 9/30/10

	Six Months Ended 9/30/10 (unaudited)	Year Ended 3/31/10
Net assets of common shareowners, end of period (in thousands)	\$ 376,551	\$ 376,551
Preferred shares outstanding (in thousands)	\$ 151,000	\$ 151,000
Asset coverage per preferred share, end of period	\$ 87,343	\$ 87,343
Average market value per preferred share (g)	\$ 25,000	\$ 25,000
Liquidation value, including dividends payable, per preferred share	\$ 25,000	\$ 25,000
Ratios to average net assets of common shareowners before waivers and reimbursement of expenses		
Net expenses (e)	1.11% (f)	1.02% (f)
Net investment income before preferred share dividends	12.37% (f)	12.36% (f)
Preferred share dividends	0.13% (f)	1.45% (f)
Net investment income available to common shareowners	12.24% (f)	10.91% (f)

	Year Ended 3/31/09	Year Ended 3/31/08
Net assets of common shareowners, end of period (in thousands)	\$ 194,057	\$ 365,199
Preferred shares outstanding (in thousands)	\$ 151,000	\$ 151,000

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

Asset coverage per preferred share, end of period	\$ 57,131	\$ 85,481
Average market value per preferred share (g)	\$ 25,000	\$ 25,000
Liquidation value, including dividends payable, per preferred share	\$ 25,002	\$ 25,018
Ratios to average net assets of common shareowners before waivers and reimbursement of expenses		
Net expenses (e)	1.25%	1.02%
Net investment income before preferred share dividends	17.03%	12.36%
Preferred share dividends	1.22%	1.45%
Net investment income available to common shareowners	15.81%	10.91%

- (a) The per common share data presented above is based upon the average common shares outstanding for the periods presented.
- (b) Amount is less than \$0.01 per common share.
- (c) Net asset value and market value are published in Barron's on Saturday, The Wall Street Journal on Monday and The New York Times on Monday and Saturday.
- (d) Total investment return is calculated assuming a purchase of common shares at the current market value on the first day and a sale at the current market value on the last day of the periods reported. Dividends and distributions, if any, are assumed for purposes of this calculation to be reinvested at prices obtained under the Trust's dividend reinvestment plan. Total investment return does not reflect brokerage commissions. Past performance is not a guarantee of future results.
- (e) Expense ratios do not reflect the effect of dividend payments to preferred shareowners.
- (f) Annualized.
- (g) Market value is redemption value without an active market.

The information above represents the audited operating performance data for a share of common stock outstanding, total investment return, ratios to average net assets of common shareowners and other supplemental data for the periods indicated. This information has been determined based upon financial information provided in the financial statements and market value data for the Trust's common shares. The accompanying notes are an integral part of these financial statements.

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

Pioneer High Income Trust | Semiannual Report | 9/30/10 39

Notes to Financial Statements | 9/30/10 (unaudited)

1. Organization and Significant Accounting Policies

Pioneer High Income Trust (the Trust) was organized as a Delaware statutory trust on January 30, 2002. Prior to commencing operations on April 26, 2002, the Trust had no operations other than matters relating to its organization and registration as a diversified, closed-end management investment company under the Investment Company Act of 1940, as amended. The investment objective of the Trust is to seek a high level of current income and the Trust may seek capital appreciation to the extent that it is consistent with its investment objective.

Information regarding the Trust's principal risks is contained in the Trust's original offering prospectus, with additional information included in the Trust's shareowner reports from time to time. Please refer to those documents when considering the Trust's risks. At times, the Trust's investments may represent industries or industry sectors that are interrelated or have common risks, making it more susceptible to any economic, political, or regulatory developments or other risks affecting those industries or sectors.

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

Under normal market conditions, the Trust invests at least 80% of its assets in below investment grade (high-yield) debt securities, loans and preferred stocks. Because the Trust's investments will be concentrated in the high-yield securities, it will be subject to risks of such securities. Below investment grade securities are commonly referred to as "junk bonds" and are considered speculative with respect to the issuer's capacity to pay interest and repay principal.

The Trust's investments in certain foreign markets or countries with limited developing markets may subject the Trust to a greater degree of risk than in a developed market. These risks include disruptive political or economic conditions and the possible imposition of adverse governmental laws or currency exchange restrictions.

The Trust's financial statements have been prepared in conformity with U.S. generally accepted accounting principles that require the management of the Trust to, among other things, make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of income, expenses and gain or loss on investments during the reporting year. Actual results could differ from those estimates.

40 Pioneer High Income Trust | Semiannual Report | 9/30/10

The following is a summary of significant accounting policies followed by the Trust in the preparation of its financial statements, which are consistent with those policies generally accepted in the investment company industry:

A. Security Valuation

Security transactions are recorded as of trade date. The net asset value of the Trust is computed once daily, on each day the New York Stock Exchange (NYSE) is open, as of the close of regular trading on the NYSE. Investments in loan interests are valued in accordance with guidelines established by the Board of Trustees at the mean between the last available bid and asked prices from one or more brokers or dealers as obtained from Loan Pricing Corporation. For the limited number of loan interests for which no reliable price quotes are available, such loan interests will be valued by Loan Pricing Corporation through the use of pricing matrices to determine valuations. Fixed income securities with remaining maturity of more than sixty days are valued at prices supplied by independent pricing services, which consider such factors as market prices, market events, quotations from one or more brokers, Treasury spreads, yields, maturities and ratings. Valuations may be supplemented by dealers and other sources, as required. Equity securities are valued at the last sale price on the principal exchange where they are traded. Securities or loans for which market prices and/or quotations are not readily available or are considered to be unreliable are valued using fair value methods pursuant to procedures adopted by the Board of Trustees.

The Trust may use the fair value methods if it is determined that a significant event has occurred after the close of the exchange or market on which the security trades and prior to the determination of the Trust's net asset value. Thus, the valuation of the Trust's securities may differ from exchange prices. At September 30, 2010, ten securities were valued using fair value methods (in addition to securities valued using prices supplied by independent pricing services) representing 1.3% of net assets applicable to common shareowners. Inputs used in the valuation of a security using fair

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

value methods include credit ratings, the financial condition of the company, current market conditions and comparable securities. Short-term income securities with remaining maturities of sixty days or less generally are valued at amortized cost. Money market mutual funds are valued at net asset value.

Discounts and premiums on debt securities are accreted or amortized, respectively, daily, into interest income on an effective yield to maturity basis with a corresponding increase or decrease in the cost basis of the security. Premiums and discounts related to certain mortgage-backed securities are amortized or accreted in proportion to the monthly paydowns. Interest income, including income on interest bearing cash accounts, is recorded on an accrual basis, net of unrecoverable foreign taxes withheld at the applicable country rates.

Pioneer High Income Trust | Semiannual Report | 9/30/10 41

Dividend income is recorded on the ex-dividend date, except that certain dividends from foreign securities where the ex-dividend date may have passed are recorded as soon as the Trust becomes aware of the ex-dividend data in the exercise of reasonable diligence.

Gains and losses on sales of investments are calculated on the identified cost method for both financial reporting and federal income tax purposes.

B. Foreign Currency Translation

The books and records of the Trust are maintained in U.S. dollars. Amounts denominated in foreign currencies are translated into U.S. dollars using current exchange rates.

Net realized gains and losses on foreign currency transactions, if any, represent, among other things, the net realized gains and losses on foreign currency contracts, disposition of foreign currencies and the difference between the amount of income accrued and the U.S. dollars actually received. Further, the effects of changes in foreign currency exchange rates on investments are not segregated in the Statement of Operations from the effects of changes in market prices of those securities but are included with the net realized and unrealized gain or loss on investments.

C. Forward Foreign Currency Contracts

The Trust may enter into forward foreign currency contracts (contracts) for the purchase or sale of a specific foreign currency at a fixed price on a future date. All contracts are marked to market daily at the applicable exchange rates, and any resulting unrealized gains or losses are recorded in the Trust's financial statements. The Trust records realized gains and losses at the time a portfolio hedge is offset by entry into a closing transaction or extinguished by delivery of the currency. Risks may arise upon entering into these contracts from the potential inability of counterparties to meet the terms of the contracts and from unanticipated movements in the value of foreign currencies relative to the U.S. dollar (see Note 5).

D. Federal Income Taxes

It is the Trust's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute

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

all of its taxable income and net realized capital gains, if any, to its shareowners. Therefore, no federal income tax provision is required. Tax years for the prior three fiscal years remain subject to examination by tax authorities.

The amounts and characterizations of distributions to shareowners for financial reporting purposes are determined in accordance with federal income tax rules. Therefore, the sources of the Trust's distributions may be shown in the accompanying financial statements as either from or in excess

42 Pioneer High Income Trust | Semiannual Report | 9/30/10

of net investment income or net realized gain (loss) on investment and foreign currency transactions, or from paid-in capital, depending on the type of book/tax differences that may exist.

The tax character of current year distributions paid to common and preferred shareowners will be determined at the end of the fiscal year. Distributions paid during the year ended March 31, 2010 were as follows:

	2010

Distribution paid from:	
Ordinary Income	\$45,923,054

Total taxable distribution	\$45,923,054
=====	

The following shows components of distributable earnings (losses) on a federal income tax basis at March 31, 2010.

	2010

Distributable earnings:	
Undistributed ordinary income	\$ 13,299,905
Capital loss carryforward	(56,023,174)
Post-October loss deferred	(6,519,449)
Dividends payable	(7,091)
Unrealized appreciation	22,373,595

Total	\$ (26,876,214)
=====	

The difference between book-basis and tax-basis unrealized appreciation is primarily attributable to the tax deferral of losses on straddles and wash sales, the realization for tax purposes of unrealized gains on certain

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

foreign currency contracts, the difference between book and tax amortization methods for premiums and discounts on fixed income securities, the accrual of income on securities in default, and other book/tax temporary differences.

E. Repurchase Agreements

With respect to repurchase agreements entered into by the Trust, the value of the underlying securities (collateral), including accrued interest is required to be equal to or in excess of the repurchase price. The collateral for all repurchase agreements is held in safekeeping in the customer-only account of the Trust's custodian or sub custodians of the Trust. The Trust's investment adviser, Pioneer Investment Management, Inc. (PIM), is responsible for determining that the value of the collateral remains at least equal to the repurchase price.

F. Securities Lending

The Trust lends securities in its portfolio to certain broker-dealers or other institutional investors. When entering into a securities loan transaction, the Trust typically receives cash collateral from the borrower equal to at least the

Pioneer High Income Trust | Semiannual Report | 9/30/10 43

value of the securities loaned, which is invested in temporary investments. Credit Suisse AG, New York Branch, as the Trust's securities lending agent, manages the Trust's securities lending collateral. The income earned on the investment of collateral is shared with the borrower and the lending agent in payment of any rebate due to the borrower with respect to the securities loan, and in compensation for the lending agent's services to the Trust. The Trust also continues to receive payments in lieu of dividends or interest on the securities loaned. Gain or loss on the fair value of the loaned securities that may occur during the term of the loan will be for the account of the Trust. The amount of the collateral is required to be adjusted daily to reflect any price fluctuation in the value of the loaned securities. If the required market value of the collateral is less than the fair value of the loaned securities, the borrower is required to deliver additional collateral for the account of the Trust prior to the close of the next business day. The Trust has the right, under the lending agreement, to terminate the loan and recover the securities from the borrower with prior notice. The Trust is required to return the cash collateral to the borrower and could suffer a loss if the value of the collateral, as invested, has declined.

G. Automatic Dividend Reinvestment Plan

All common shareowners whose shares are registered in their own names automatically participate in the Automatic Dividend Reinvestment Plan (the Plan), under which participants receive all dividends and capital gain distributions (collectively, dividends) in full and fractional common shares of the Trust in lieu of cash. Shareowners may elect not to participate in the Plan. Shareowners not participating in the Plan receive all dividends and capital gain distributions in cash. Participation in the Plan is completely voluntary and may be terminated or resumed at any time without penalty by notifying American Stock Transfer & Trust Company, the agent for shareowners in administering the Plan (the Plan Agent), in writing prior to any dividend record date; otherwise such termination or resumption will be effective with

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

respect to any subsequently declared dividend or other distribution.

If a shareowner's shares are held in the name of a brokerage firm, bank or other nominee, the shareowner can ask the firm or nominee to participate in the Plan on the shareowner's behalf. If the firm or nominee does not offer the Plan, dividends will be paid in cash to the shareowner of record. A firm or nominee may reinvest a shareowner's cash dividend in common shares of the Trust on terms that differ from the terms of the Plan.

Whenever the Trust declares a dividend on common shares payable in cash, participants in the Plan will receive the equivalent in common shares acquired by the Plan Agent either (i) through receipt of additional unissued but authorized common shares from the Trust or (ii) by purchase of outstanding common shares on the New York Stock Exchange or elsewhere. If,

44 Pioneer High Income Trust | Semiannual Report | 9/30/10

on the payment date for any dividend the net asset value per common share is equal to or less than the market price per share plus estimated brokerage trading fees (market premium), the Plan Agent will invest the dividend amount in newly issued common shares. The number of newly issued common shares to be credited to each account will be determined by dividing the dollar amount of the dividend by the net asset value per common share on the date the shares are issued, provided that the maximum discount from the then current market price per share on the date of issuance does not exceed 5%. If, on the payment date for any dividend, the net asset value per common share is greater than the market value (market discount), the Plan Agent will invest the dividend amount in common shares acquired in open-market purchases. There are no brokerage charges with respect to newly issued common shares. However, each participant will pay a pro rata share of brokerage trading fees incurred with respect to the Plan Agent's open-market purchases. Participating in the Plan does not relieve shareowners from any federal, state or local taxes which may be due on dividends paid in any taxable year. Shareowners holding Plan shares in a brokerage account may not be able to transfer the shares to another broker and continue to participate in the Plan.

2. Management Agreement

PIM, a wholly owned indirect subsidiary of UniCredit S.p.A. (UniCredit) manages the Trust's portfolio. Management fees payable under the Trust's Advisory Agreement with PIM are calculated daily at the annual rate of 0.60% of the Trust's average daily managed assets. "Managed assets" means (a) the total assets of the Trust, including any form of investment leverage, minus (b) all accrued liabilities incurred in the normal course of operations, which shall not include any liabilities or obligations attributable to investment leverage obtained through (i) indebtedness of any type (including, without limitation, borrowing through a credit facility of the issuance of debt securities), (ii) the issuance of preferred stock or other similar preference securities, and/or (iii) any other means. For the six months ended September 30, 2010, the net management fee of 0.60% of the Trust's average daily managed assets, was equivalent to 0.85% of the Trust's average daily net assets attributable to the common shareowners.

In addition, under PIM's management and administration agreements, certain other services and costs are paid by PIM and reimbursed by the Trust. At September 30, 2010 \$269,166 was payable to PIM related to management costs, administrative costs and certain other services and is included in "Due to affiliates" on the Statement of Assets and Liabilities.

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

Effective September 1, 2010 PIM has retained State Street Bank and Trust Company (State Street) to provide certain administrative and accounting services to the Trust on its behalf. For administrative services, PIM pays State

Pioneer High Income Trust | Semiannual Report | 9/30/10 45

Street a monthly fee at an annual rate of 0.07% of the Trust's managed assets up to \$500 million and 0.03% for managed assets in excess of \$500 million, subject to a minimum monthly fee of \$10,000. Previously, PIM had retained Princeton Administrators, LLC (Princeton) to provide such services. PIM paid Princeton a monthly fee at an annual rate of 0.07% of the Trust's average daily managed assets up to \$500 million and 0.03% for average daily managed assets in excess of \$500 million, subject to a minimum monthly fee of \$10,000. Neither State Street nor Princeton received compensation directly from the Trust for providing such services.

3. Transfer Agents

Pioneer Investment Management Shareholder Services, Inc. (PIMSS), a wholly owned indirect subsidiary of UniCredit, through a sub-transfer agency agreement with American Stock Transfer & Trust Company, provides substantially all transfer agent and shareowner services related to the Trust's common shares at negotiated rates. Deutsche Bank Trust Company Americas (Deutsche Bank) is the transfer agent, registrar, dividend paying agent and auction agent with respect to the Trust's Auction Market Preferred Shares (AMPS). The Trust pays Deutsche Bank an annual fee, as is agreed to from time to time by the Trust and Deutsche Bank, for providing such services.

4. Expense Offset Arrangements

The Trust has entered into an arrangement with its custodian whereby credits realized as a result of uninvested cash balances are used to reduce a portion of the Trust's custodian expenses. For the six months ended September 30, 2010, the Trust expenses were reduced by \$1 under such arrangement.

5. Forward Foreign Currency Contracts

During the six months ended September 30, 2010, the Trust entered into various forward foreign currency contracts that obligate the Trust to deliver or take delivery of currencies at specified future maturity dates. Alternatively, prior to the settlement date of a forward foreign currency contract, the Trust may close out such contract by entering into an offsetting contract. The average number of contracts open during the six months ended September 30, 2010 was 5,572,167.

As of September 30, 2010, the Trust had no outstanding forward currency settlement contracts.

6. Unfunded Loan Commitments

The Trust had the following bridge loan commitments outstanding as of September 30, 2010:

46 Pioneer High Income Trust | Semiannual Report | 9/30/10

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

Loan	Shares	Cost	Value	Net Unrealized Gain
Air Medical Group Holdings, Inc., Bridge Loan (First Lien), 9/14/11	1,750,000	\$1,750,000	\$1,750,000	\$--
Burger King Holdings, Initial Bridge Loan, 9/2/11	1,000,000	\$1,000,000	\$1,000,000	\$--
Polaris Minerals Corp., Bridge Facility Loan, 9/28/18	2,800,000	\$2,800,000	\$2,800,000	\$--
Total				\$--

7. Trust Shares

There are an unlimited number of common shares of beneficial interest authorized.

Transactions in common shares of beneficial interest for the six months ended September 30, 2010 and the year ended March 31, 2010 were as follows:

	9/10	3/10
Shares outstanding at beginning of period	27,737,499	27,463,925
Reinvestment of distributions	132,539	273,574
Shares outstanding at end of period	27,870,038	27,737,499

The Trust may classify or reclassify any unissued common shares of beneficial interest into one or more series of preferred shares of beneficial interest. As of September 30, 2010, there were 6,040 AMPS as follows: Series M7-2,020, Series W28-2,020 and Series TH7-2,000.

Dividends on Series M7 and Series TH7 are cumulative at a rate which is reset every seven days based on the results of an auction. Dividends on Series W28 are also cumulative at a rate reset every 28 days based on the results of an auction. An auction fails if there are more AMPS offered for sale than there are buyers. When an auction fails, the dividend rate for the period will be the maximum rate on the auction dates described in the prospectus for the AMPS. Preferred shareowners will not be able to sell their AMPS at an auction if the auction fails. Since February 2008, the Trust's auctions related to the AMPS have failed. The maximum rate for the 7-Day Series is 150% of the 7 day commercial paper rate. The maximum rate for the 28 day Series is 150% of the 30 day commercial paper rate. Dividend rates on AMPS ranged from 0.135% to 0.542%

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

during the six months ended September 30, 2010.

The Trust may not declare dividends or make other distributions on its common shares or purchase any such shares if, at the time of the declaration, distribution or purchase, the Trust does not comply with the asset coverage ratios described in the prospectus for the AMPS.

Pioneer High Income Trust | Semiannual Report | 9/30/10 47

The AMPS are redeemable at the option of the Trust, in whole or in part, on any dividend payment date at \$25,000 per share plus any accumulated or unpaid dividends, whether or not declared. The AMPS are also subject to mandatory redemption at \$25,000 per share plus any accumulated or unpaid dividends, whether or not declared, if certain requirements relating to the composition of the assets and liabilities of the Trust as set forth in the Statement of Preference are not satisfied.

The holders of AMPS have voting rights equal to the holders of the Trust's common shares (one vote per share) and will vote together with holders of the common shares as a single class. Holders of AMPS are also entitled to elect two of the Trust's Trustees. In addition, the Investment Company Act of 1940, as amended, requires that along with approval by shareowners that might otherwise be required, the approval of the holders of a majority of any outstanding preferred shares, voting separately as a class, would be required to (a) adopt any plan of reorganization that would adversely affect the preferred shares and (b) take any action requiring a vote of security holders, including, among other things, changes in the Trust's subclassification as a closed-end management investment company or changes in its fundamental investment restrictions.

8. Additional Disclosures about Derivative Instruments and Hedging Activities:

The effect of derivative instruments on the Statement of Operations for the six months ended September 30, 2010 was as follows:

Derivatives	Location of Gain or (Loss) On Derivatives Recognized in Income	Realized Gain or (Loss) on Derivatives Recognized in Income	Change in Unrealized Gain or (Loss) on Derivatives Recognized in Income
Foreign Exchange Contracts	Net realized gain on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	\$499,921	
Foreign Exchange Contracts	Change in net unrealized gain (loss) on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies		\$51,524

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

9. Subsequent Events

Subsequent to September 30, 2010 the Board of Trustees of the Trust declared a dividend from undistributed net investment income of \$0.1375 per common share payable October 29, 2010, to common shareowners of record on October 15, 2010.

48 Pioneer High Income Trust | Semiannual Report | 9/30/10

Subsequent to September 30, 2010, dividends declared and paid on preferred shares totaled \$58,204 in aggregate for the two outstanding preferred share series through November 24, 2010.

In preparing these financial statements, PIM has evaluated the impact of all events and transactions for potential recognition or disclosure and has determined that other than disclosed above, there were no subsequent events requiring recognition or disclosure in the financial statements.

Pioneer High Income Trust | Semiannual Report | 9/30/10 49

ADDITIONAL INFORMATION (unaudited)

During the period, there have been no material changes in the Trust's investment objective or fundamental policies that have not been approved by the shareowners. There have been no changes in the Trust's charter or By-Laws that would delay or prevent a change in control of the Trust that have not been approved by the shareowners. During the period, there have been no changes in the principal risk factors associated with investment in the Trust. There were no changes in the persons who are primarily responsible for the day-to-day management of the Trust's portfolio.

Notice is hereby given in accordance with Section 23(c) of the Investment Company Act of 1940 that the Trust may purchase, from time to time, its common shares in the open market.

Results of Shareholder Meeting (unaudited)

At the annual meeting of shareowners held on September 22, 2010, shareowners of Pioneer High Income Trust were asked to consider the proposals described below. A report of the total votes cast by the Trust's shareholders follows:

Proposal 1 -- To elect Class II Trustees.

Nominee	For	Withheld
David R. Bock	12,572,667	505,982
Stephen K. West	12,572,667	624,965
John F. Cogan, Jr.+	1,744	174

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

+ Elected by Preferred Shares only

50 Pioneer High Income Trust | Semiannual Report | 9/30/10

Trustees, Officers and Service Providers

Trustees

John F. Cogan, Jr., Chairman
David R. Bock
Mary K. Bush
Benjamin M. Friedman
Margaret B.W. Graham
Daniel K. Kingsbury
Thomas J. Perna
Marguerite A. Piret
Stephen K. West

Officers

John F. Cogan, Jr., President
Daniel K. Kingsbury, Executive
Vice President
Mark E. Bradley, Treasurer
Christopher J. Kelley, Secretary

Investment Adviser
Pioneer Investment Management, Inc.

Custodian
Brown Brothers Harriman & Co.

Legal Counsel
Bingham McCutchen LLP

Transfer Agent
Pioneer Investment Management Shareholder Services, Inc.

Shareowner Services and Sub-Transfer Agent
American Stock Transfer & Trust Company

Preferred Share Auction/Transfer Agent and Registrar
Deutsche Bank Trust Company Americas

Sub-Administrator
State Street Bank and Trust Company

Proxy Voting Policies and Procedures of the Trust are available without charge, upon request, by calling our toll free number (1-800-225-6292). Information regarding how the Trust voted proxies relating to portfolio securities during the most recent 12-month period ended June 30 is publicly available to shareowners at pioneerinvestments.com. This information is also available on the Securities and Exchange Commission's web site at <http://www.sec.gov>.

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

This page for your notes.

52 Pioneer High Income Trust | Semiannual Report | 9/30/10

How to Contact Pioneer

We are pleased to offer a variety of convenient ways for you to contact us for assistance or information.

You can call American Stock Transfer & Trust Company (AST) for:

Account Information 1-800-710-0935

Or write to AST:

For Write to

General inquiries, lost dividend checks, change of address, lost stock certificates, stock transfer	American Stock Transfer & Trust Operations Center 6201 15th Ave. Brooklyn, NY 11219
Dividend reinvestment plan (DRIP)	American Stock Transfer & Trust Wall Street Station P.O. Box 922 New York, NY 10269-0560
Website	www.amstock.com

For additional information, please contact your investment advisor or visit our web site www.pioneerinvestments.com.

The Trust files a complete statement of investments with the Securities and Exchange Commission for the first and third quarters for each fiscal year on Form N-Q. Shareowners may view the filed Form N-Q by visiting the Commission's web site at <http://www.sec.gov>. The filed form may also be viewed and copied at the Commission's Public Reference Room in Washington, DC. Information regarding the operations of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

ITEM 2. CODE OF ETHICS.

(a) Disclose whether, as of the end of the period covered by the report, the registrant has adopted a code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party. If the registrant has not adopted such a code of ethics, explain why it has not done so.

The registrant has adopted, as of the end of the period covered by this report, a code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer and controller.

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

(b) For purposes of this Item, the term "code of ethics" means written standards that are reasonably designed to deter wrongdoing and to promote:

- (1) Honest and ethical conduct, including the ethical handling of actual or apparent conflicts of interest between personal and professional relationships;
- (2) Full, fair, accurate, timely, and understandable disclosure in reports and documents that a registrant files with, or submits to, the Commission and in other public communications made by the registrant;
- (3) Compliance with applicable governmental laws, rules, and regulations;
- (4) The prompt internal reporting of violations of the code to an appropriate person or persons identified in the code; and
- (5) Accountability for adherence to the code.

(c) The registrant must briefly describe the nature of any amendment, during the period covered by the report, to a provision of its code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party, and that relates to any element of the code of ethics definition enumerated in paragraph (b) of this Item. The registrant must file a copy of any such amendment as an exhibit pursuant to Item 10(a), unless the registrant has elected to satisfy paragraph (f) of this Item by posting its code of ethics on its website pursuant to paragraph (f)(2) of this Item, or by undertaking to provide its code of ethics to any person without charge, upon request, pursuant to paragraph (f)(3) of this Item.

The registrant has made no amendments to the code of ethics during the period covered by this report.

(d) If the registrant has, during the period covered by the report, granted a waiver, including an implicit waiver, from a provision of the code of ethics to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party, that relates to one or more of the items set forth in paragraph (b) of this Item, the registrant must briefly describe the nature of the waiver, the name of the person to whom the waiver was granted, and the date of the waiver.

Not applicable.

(e) If the registrant intends to satisfy the disclosure requirement under paragraph (c) or (d) of this Item regarding an amendment to, or a waiver from, a provision of its code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions and that relates to any element of the code of ethics definition enumerated in paragraph (b) of this Item by posting such information on its Internet website, disclose the registrant's Internet address and such intention.

Not applicable.

(f) The registrant must:

- (1) File with the Commission, pursuant to Item 10(a), a copy of its code

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

of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, as an exhibit to its annual report on this Form N-CSR;

(2) Post the text of such code of ethics on its Internet website and disclose, in its most recent report on this Form N-CSR, its Internet address and the fact that it has posted such code of ethics on its Internet website; or

(3) Undertake in its most recent report on this Form N-CSR to provide to any person without charge, upon request, a copy of such code of ethics and explain the manner in which such request may be made.
See Item 10(2)

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

(a) (1) Disclose that the registrant's board of trustees has determined that the registrant either:

(i) Has at least one audit committee financial expert serving on its audit committee; or

(ii) Does not have an audit committee financial expert serving on its audit committee.

The registrant's Board of Trustees has determined that the registrant has at least one audit committee financial expert.

(2) If the registrant provides the disclosure required by paragraph (a)(1)(i) of this Item, it must disclose the name of the audit committee financial expert and whether that person is "independent." In order to be considered "independent" for purposes of this Item, a member of an audit committee may not, other than in his or her capacity as a member of the audit committee, the board of trustees, or any other board committee:

(i) Accept directly or indirectly any consulting, advisory, or other compensatory fee from the issuer; or

(ii) Be an "interested person" of the investment company as defined in Section 2(a)(19) of the Act (15 U.S.C. 80a-2(a)(19)).

Ms. Marguerite A. Piret, an independent trustee, is such an audit committee financial expert.

(3) If the registrant provides the disclosure required by paragraph (a)(1)(ii) of this Item, it must explain why it does not have an audit committee financial expert.

Not applicable.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

(a) Disclose, under the caption AUDIT FEES, the aggregate fees billed for each of the last two fiscal years for professional services rendered by the principal accountant for the audit of the registrant's annual financial statements or services that are normally provided by the accountant in connection with statutory and regulatory filings or engagements for those fiscal years.

N/A

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

(b) Disclose, under the caption AUDIT-RELATED FEES, the aggregate fees billed in each of the last two fiscal years for assurance and related services by the principal accountant that are reasonably related to the performance of the audit of the registrant's financial statements and are not reported under paragraph (a) of this Item. Registrants shall describe the nature of the services comprising the fees disclosed under this category.

N/A

(c) Disclose, under the caption TAX FEES, the aggregate fees billed in each of the last two fiscal years for professional services rendered by the principal accountant for tax compliance, tax advice, and tax planning. Registrants shall describe the nature of the services comprising the fees disclosed under this category.

N/A

(d) Disclose, under the caption ALL OTHER FEES, the aggregate fees billed in each of the last two fiscal years for products and services provided by the principal accountant, other than the services reported in paragraphs (a) through (c) of this Item. Registrants shall describe the nature of the services comprising the fees disclosed under this category.

N/A

(e) (1) Disclose the audit committee's pre-approval policies and procedures described in paragraph (c) (7) of Rule 2-01 of Regulation S-X.

PIONEER FUNDS

APPROVAL OF AUDIT, AUDIT-RELATED, TAX AND OTHER SERVICES PROVIDED BY THE INDEPENDENT AUDITOR

SECTION I - POLICY PURPOSE AND APPLICABILITY

The Pioneer Funds recognize the importance of maintaining the independence of their outside auditors. Maintaining independence is a shared responsibility involving Pioneer Investment Management, Inc ("PIM"), the audit committee and the independent auditors.

The Funds recognize that a Fund's independent auditors: 1) possess knowledge of the Funds, 2) are able to incorporate certain services into the scope of the audit, thereby avoiding redundant work, cost and disruption of Fund personnel and processes, and 3) have expertise that has value to the Funds. As a result, there are situations where it is desirable to use the Fund's independent auditors for services in addition to the annual audit and where the potential for conflicts of interests are minimal. Consequently, this policy, which is intended to comply with Rule 210.2-01(C)(7), sets forth guidelines and procedures to be followed by the Funds when retaining the independent audit firm to perform audit, audit-related tax and other services under those circumstances, while also maintaining independence.

Approval of a service in accordance with this policy for a Fund shall also constitute approval for any other Fund whose pre-approval is required pursuant to Rule 210.2-01(c)(7)(ii).

In addition to the procedures set forth in this policy, any non-audit services that may be provided consistently with Rule 210.2-01 may be approved by the Audit Committee itself and any pre-approval that may be waived in accordance with Rule 210.2-01(c)(7)(i)(C) is hereby waived.

Selection of a Fund's independent auditors and their compensation shall be determined by the Audit Committee and shall not be subject to this policy.

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

SECTION II - POLICY

SERVICE CATEGORY	SERVICE CATEGORY DESCRIPTION	SPECIFIC PRE-APPROVED SERVICE SUBCATEGORIES
I. AUDIT SERVICES	Services that are directly related to performing the independent audit of the Funds	<ul style="list-style-type: none"> o Accounting research assistance o SEC consultation, registration statements, and reporting o Tax accrual related matters o Implementation of new accounting standards o Compliance letters (e.g. rating agency letters) o Regulatory reviews and assistance regarding financial matters o Semi-annual reviews (if requested) o Comfort letters for closed end offerings
II. AUDIT-RELATED SERVICES	Services which are not prohibited under Rule 210.2-01(C) (4) (the "Rule") and are related extensions of the audit services support the audit, or use the knowledge/expertise gained from the audit procedures as a foundation to complete the project. In most cases, if the Audit-Related Services are not performed by the Audit firm, the scope of the Audit Services would likely increase. The Services are typically well-defined and governed by accounting professional standards (AICPA, SEC, etc.)	<ul style="list-style-type: none"> o AICPA attest and agreed-upon procedures o Technology control assessments o Financial reporting control assessments o Enterprise security architecture assessment

AUDIT COMMITTEE APPROVAL POLICY

AUDIT COMMITTEE REPORTING POLICY

o "One-time" pre-approval for the audit period for all pre-approved specific service subcategories. Approval of the independent auditors as auditors for a Fund shall constitute pre approval for these services.

o A summary of all such services and related fees reported at each regularly scheduled Audit Committee meeting.

o "One-time" pre-approval for the fund fiscal year within a specified dollar limit

o A summary of all such services and related fees (including comparison to

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

for all pre-approved specific service subcategories specified dollar limits) reported quarterly.

- o Specific approval is needed to exceed the pre-approved dollar limit for these services (see general Audit Committee approval policy below for details on obtaining specific approvals)
- o Specific approval is needed to use the Fund's auditors for Audit-Related Services not denoted as "pre-approved", or to add a specific service subcategory as "pre-approved"

SECTION III - POLICY DETAIL, CONTINUED

SERVICE CATEGORY	SERVICE CATEGORY DESCRIPTION	SPECIFIC PRE-APPROVED SERVICE SUBCATEGORIES
III. TAX SERVICES	Services which are not prohibited by the Rule, if an officer of the Fund determines that using the Fund's auditor to provide these services creates significant synergy in the form of efficiency, minimized disruption, or the ability to maintain a desired level of confidentiality.	<ul style="list-style-type: none"> o Tax planning and support o Tax controversy assistance o Tax compliance, tax returns, excise tax returns and support o Tax opinions

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> o "One-time" pre-approval for the fund fiscal year within a specified dollar limit 	<ul style="list-style-type: none"> o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly.
<ul style="list-style-type: none"> o Specific approval is needed to exceed the pre-approved dollar limits for these services (see general Audit Committee approval policy 	

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

below for details on obtaining specific approvals)

- o Specific approval is needed to use the Fund's auditors for tax services not denoted as pre-approved, or to add a specific service subcategory as "pre-approved"

SECTION III - POLICY DETAIL, CONTINUED

SERVICE CATEGORY	SERVICE CATEGORY DESCRIPTION	SPECIFIC PRE-APPROVED SERVICE SUBCATEGORIES
IV. OTHER SERVICES A. SYNERGISTIC, UNIQUE QUALIFICATIONS	Services which are not prohibited by the Rule, if an officer of the Fund determines that using the Fund's auditor to provide these services creates significant synergy in the form of efficiency, minimized disruption, the ability to maintain a desired level of confidentiality, or where the Fund's auditors possess unique or superior qualifications to provide these services, resulting in superior value and results for the Fund.	<ul style="list-style-type: none"> o Business Risk Management support o Other control and regulatory compliance projects

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> o "One-time" pre-approval for the fund fiscal year within a specified dollar limit o Specific approval is needed to exceed the pre-approved dollar limits for these services (see general Audit Committee approval policy below for details on obtaining specific approvals) o Specific approval is 	<ul style="list-style-type: none"> o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly.

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

needed to use the Fund's auditors for "Synergistic" or "Unique Qualifications" Other Services not denoted as pre-approved to the left, or to add a specific service subcategory as "pre-approved"

SECTION III - POLICY DETAIL, CONTINUED

SERVICE CATEGORY	SERVICE CATEGORY DESCRIPTION	SPECIFIC PROHIBITED SERVICE SUBCATEGORIES
PROHIBITED SERVICES	Services which result in the auditors losing independence status under the Rule.	<ol style="list-style-type: none"> 1. Bookkeeping or other services related to the accounting records or financial statements of the audit client* 2. Financial information systems design and implementation* 3. Appraisal or valuation services, fairness* opinions, or contribution-in-kind reports 4. Actuarial services (i.e., setting actuarial reserves versus actuarial audit work)* 5. Internal audit outsourcing services* 6. Management functions or human resources 7. Broker or dealer, investment advisor, or investment banking services 8. Legal services and expert services unrelated to the audit 9. Any other service that the Public Company Accounting Oversight Board determines, by regulation, is impermissible

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> o These services are not to be performed with the exception of the(*) services that may be permitted if they would not be subject to audit procedures at the audit client (as defined in rule 2-01(f)(4)) level the firm providing the service. 	<ul style="list-style-type: none"> o A summary of all services and related fees reported at each regularly scheduled Audit Committee meeting will serve as continual confirmation that has not provided any restricted services.

GENERAL AUDIT COMMITTEE APPROVAL POLICY:
o For all projects, the officers of the Funds and the Fund's auditors will each

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

make an assessment to determine that any proposed projects will not impair independence.

- o Potential services will be classified into the four non-restricted service categories and the "Approval of Audit, Audit-Related, Tax and Other Services" Policy above will be applied. Any services outside the specific pre-approved service subcategories set forth above must be specifically approved by the Audit Committee.
- o At least quarterly, the Audit Committee shall review a report summarizing the services by service category, including fees, provided by the Audit firm as set forth in the above policy.

(2) Disclose the percentage of services described in each of paragraphs (b) through (d) of this Item that were approved by the audit committee pursuant to paragraph (c) (7) (i) (C) of Rule 2-01 of Regulation S-X.

N/A

(f) If greater than 50 percent, disclose the percentage of hours expended on the principal accountant's engagement to audit the registrant's financial statements for the most recent fiscal year that were attributed to work performed by persons other than the principal accountant's full-time, permanent employees.

N/A

(g) Disclose the aggregate non-audit fees billed by the registrant's accountant for services rendered to the registrant, and rendered to the registrant's investment adviser (not including any sub-adviser whose role is primarily portfolio management and is subcontracted with or overseen by another investment adviser), and any entity controlling, controlled by, or under common control with the adviser that provides ongoing services to the registrant for each of the last two fiscal years of the registrant.

N/A

(h) Disclose whether the registrant's audit committee of the board of trustees has considered whether the provision of non-audit services that were rendered to the registrant's investment adviser (not including any subadviser whose role is primarily portfolio management and is subcontracted with or overseen by another investment adviser), and any entity controlling, controlled by, or under common control with the investment adviser that provides ongoing services to the registrant that were not pre-approved pursuant to paragraph (c) (7) (ii) of Rule 2-01 of Regulation S-X is compatible with maintaining the principal accountant's independence.

The Fund's audit committee of the Board of Trustees has considered whether the provision of non-audit services that were rendered to the Affiliates (as defined) that were not pre-approved pursuant to paragraph (c) (7) (ii) of Rule 2-01 of Regulation S-X is compatible with maintaining the principal accountant's independence.

Item 5. Audit Committee of Listed Registrants

(a) If the registrant is a listed issuer as defined in Rule 10A-3 under the Exchange Act (17 CFR 240.10A-3), state whether or not the registrant has a separately-designated standing audit committee established in accordance with Section 3(a) (58) (A) of the Exchange Act (15 U.S.C. 78c(a) (58) (A)).

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

If the registrant has such a committee, however designated, identify each committee member. If the entire board of directors is acting as the registrant's audit committee as specified in Section 3(a)(58)(B) of the Exchange Act (15 U.S.C. 78c(a)(58)(B)), so state.

The registrant has a separately-designated standing audit committee established in accordance with Section 3(a)(58)(A) of the Exchange Act (15 U.S.C. 78c(a)(58)(A)).

(b) If applicable, provide the disclosure required by Rule 10A-3(d) under the Exchange Act (17 CFR 240.10A-3(d)) regarding an exemption from the listing standards for audit committees.

N/A

Item 6. Schedule of Investments.

File Schedule I Investments in securities of unaffiliated issuers as of the close of the reporting period as set forth in 210.12-12 of Regulation S-X [17 CFR 210.12-12], unless the schedule is included as part of the report to shareholders filed under Item 1 of this Form.

Included in Item 1

ITEM 7. DISCLOSURE OF PROXY VOTING POLICIES AND PROCEDURES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

A closed-end management investment company that is filing an annual report on this Form N-CSR must, unless it invests exclusively in non-voting securities, describe the policies and procedures that it uses to determine how to vote proxies relating to portfolio securities, including the procedures that the company uses when a vote presents a conflict between the interests of its shareholders, on the one hand, and those of the company's investment adviser; principal underwriter; or any affiliated person (as defined in Section 2(a)(3) of the Investment Company Act of 1940 (15 U.S.C. 80a-2(a)(3)) and the rules thereunder) of the company, its investment adviser, or its principal underwriter, on the other. Include any policies and procedures of the company's investment adviser, or any other third party, that the company uses, or that are used on the company's behalf, to determine how to vote proxies relating to portfolio securities.

Proxy Voting Policies and Procedures of
Pioneer Investment Management, Inc.

VERSION DATED July, 2004

Overview

Pioneer Investment Management, Inc. ("Pioneer") is a fiduciary that owes each of its client's duties of care and loyalty with respect to all services undertaken on the client's behalf, including proxy voting. When Pioneer has been delegated proxy-voting authority for a client, the duty of care requires Pioneer to monitor corporate events and to vote the proxies. To satisfy its duty of loyalty, Pioneer must place its client's interests ahead of its own and must cast proxy votes in a manner consistent with the best interest of its clients. Pioneer will vote all proxies presented in a timely manner.

The Proxy Voting Policies and Procedures are designed to complement

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

Pioneer's investment policies and procedures regarding its general responsibility to monitor the performance and/or corporate events of companies that are issuers of securities held in accounts managed by Pioneer. Pioneer's Proxy Voting Policies summarize Pioneer's position on a number of issues solicited by companies held by Pioneer's clients. The policies are guidelines that provide a general indication on how Pioneer would vote but do not include all potential voting scenarios.

Pioneer's Proxy Voting Procedures detail monitoring of voting, exception votes, and review of conflicts of interest and ensure that case-by-case votes are handled within the context of the overall guidelines (i.e. best interest of client). The overriding goal is that all proxies for US and non-US companies that are received promptly will be voted in accordance with Pioneer's policies or specific client instructions. All shares in a company held by Pioneer-managed accounts will be voted alike, unless a client has given us specific voting instructions on an issue or has not delegated authority to us or the Proxy Voting Oversight Group determines that the circumstances justify a different approach.

Pioneer does not delegate the authority to vote proxies relating to its clients to any of its affiliates, which include other subsidiaries of UniCredito.

Any questions about these policies and procedures should be directed to the Proxy Coordinator.

1

Proxy Voting Procedures

Proxy Voting Service

Pioneer has engaged an independent proxy voting service to assist in the voting of proxies. The proxy voting service works with custodians to ensure that all proxy materials are received by the custodians and are processed in a timely fashion. To the extent applicable, the proxy voting service votes all proxies in accordance with the proxy voting policies established by Pioneer. The proxy voting service will refer proxy questions to the Proxy Coordinator (described below) for instructions under circumstances where: (1) the application of the proxy voting guidelines is unclear; (2) a particular proxy question is not covered by the guidelines; or (3) the guidelines call for specific instructions on a case-by-case basis. The proxy voting service is also requested to call to the Proxy Coordinator's attention specific proxy questions that, while governed by a guideline, appear to involve unusual or controversial issues. Pioneer reserves the right to attend a meeting in person and may do so when it determines that the company or the matters to be voted on at the meeting are strategically important to its clients.

Proxy Coordinator

Pioneer's Director of Investment Operations (the "Proxy Coordinator") coordinates the voting, procedures and reporting of proxies on behalf of Pioneer's clients. The Proxy Coordinator will deal directly with the proxy voting service and, in the case of proxy questions referred by the proxy voting service, will solicit voting recommendations and instructions from the Director of Portfolio Management US or, to the extent applicable, investment sub-advisers. The Proxy Coordinator is responsible for ensuring that these questions and referrals are responded to in a timely fashion and for transmitting appropriate voting instructions to the proxy voting service. The Proxy Coordinator is responsible for verifying with the Compliance Department whether Pioneer's voting power is subject to any limitations or guidelines issued by the client (or in the case of an

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

employee benefit plan, the plan's trustee or other fiduciaries).

Referral Items

From time to time, the proxy voting service will refer proxy questions to the Proxy Coordinator that are described by Pioneer's policy as to be voted on a case-by-case basis, that are not covered by Pioneer's guidelines or where Pioneer's guidelines may be unclear with respect to the matter to be voted on. Under such certain circumstances, the Proxy Coordinator will seek a written voting recommendation from the Director of Portfolio Management US. Any such recommendation will include: (i) the manner in which the proxies should be voted; (ii) the rationale underlying any such decision; and (iii) the disclosure of any contacts or communications made between Pioneer and any outside parties concerning the proxy proposal prior to the time that the voting instructions are provided. In addition, the Proxy Coordinator will ask the Compliance Department to review the question for any actual or apparent conflicts of interest as described below under "Conflicts of

2

Interest." The Compliance Department will provide a "Conflicts of Interest Report," applying the criteria set forth below under "Conflicts of Interest," to the Proxy Coordinator summarizing the results of its review. In the absence of a conflict of interest, the Proxy Coordinator will vote in accordance with the recommendation of the Director of Portfolio Management US.

If the matter presents a conflict of interest for Pioneer, then the Proxy Coordinator will refer the matter to the Proxy Voting Oversight Group for a decision. In general, when a conflict of interest is present, Pioneer will vote according to the recommendation of the Director of Portfolio Management US where such recommendation would go against Pioneer's interest or where the conflict is deemed to be immaterial. Pioneer will vote according to the recommendation of its proxy voting service when the conflict is deemed to be material and the Pioneer's internal vote recommendation would favor Pioneer's interest, unless a client specifically requests Pioneer to do otherwise. When making the final determination as to how to vote a proxy, the Proxy Voting Oversight Group will review the report from the Director of Portfolio Management US and the Conflicts of Interest Report issued by the Compliance Department.

Conflicts of Interest

A conflict of interest occurs when Pioneer's interests interfere, or appear to interfere with the interests of Pioneer's clients. Occasionally, Pioneer may have a conflict that can affect how its votes proxies. The conflict may be actual or perceived and may exist when the matter to be voted on concerns:

- o An affiliate of Pioneer, such as another company belonging to the UniCredito Italiano S.p.A. banking group (a "UniCredito Affiliate");
- o An issuer of a security for which Pioneer acts as a sponsor, advisor, manager, custodian, distributor, underwriter, broker, or other similar capacity (including those securities specifically declared by PGAM to present a conflict of interest for Pioneer);
- o An issuer of a security for which UniCredito has informed Pioneer that a UniCredito Affiliate acts as a sponsor, advisor, manager, custodian, distributor, underwriter, broker, or other similar capacity; or

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

- o A person with whom Pioneer (or any of its affiliates) has an existing, material contract or business relationship that was not entered into in the ordinary course of Pioneer's business.
- o Pioneer will abstain from voting with respect to companies directly or indirectly owned by UniCredito Italiano Group, unless otherwise directed by a client. In addition, Pioneer will inform PGAM Global Compliance and the PGAM Independent Directors before exercising such rights.

Any associate involved in the proxy voting process with knowledge of any apparent or actual conflict of interest must disclose such conflict to the Proxy Coordinator and the Compliance Department. The Compliance Department will review each item referred to Pioneer to determine whether an actual or potential conflict of interest with Pioneer exists in connection with the proposal(s) to be voted upon. The review will be conducted by comparing the apparent parties affected by the proxy proposal being

3

voted upon against the Compliance Department's internal list of interested persons and, for any matches found, evaluating the anticipated magnitude and possible probability of any conflict of interest being present. For each referral item, the determination regarding the presence or absence of any actual or potential conflict of interest will be documented in a Conflicts of Interest Report to the Proxy Coordinator.

Securities Lending

In conjunction with industry standards Proxies are not available to be voted when the shares are out on loan through either Pioneer's lending program or a client's managed security lending program. However, Pioneer will reserve the right to recall lent securities so that they may be voted according to the Pioneer's instructions. If a portfolio manager would like to vote a block of previously lent shares, the Proxy Coordinator will work with the portfolio manager and Investment Operations to recall the security, to the extent possible, to facilitate the vote on the entire block of shares.

Share-Blocking

"Share-blocking" is a market practice whereby shares are sent to a custodian (which may be different than the account custodian) for record keeping and voting at the general meeting. The shares are unavailable for sale or delivery until the end of the blocking period (typically the day after general meeting date).

Pioneer will vote in those countries with "share-blocking." In the event a manager would like to sell a security with "share-blocking", the Proxy Coordinator will work with the Portfolio Manager and Investment Operations Department to recall the shares (as allowable within the market time-frame and practices) and/or communicate with executing brokerage firm. A list of countries with "share-blocking" is available from the Investment Operations Department upon request.

Record Keeping

The Proxy Coordinator shall ensure that Pioneer's proxy voting service:

- o Retains a copy of the proxy statement received (unless the proxy statement is available from the SEC's Electronic Data Gathering, Analysis, and Retrieval (EDGAR) system);

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

- o Retains a record of the vote cast;
- o Prepares Form N-PX for filing on behalf of each client that is a registered investment company; and
- o Is able to promptly provide Pioneer with a copy of the voting record upon its request.

4

The Proxy Coordinator shall ensure that for those votes that may require additional documentation (i.e. conflicts of interest, exception votes and case-by-case votes) the following records are maintained:

- o A record memorializing the basis for each referral vote cast;
- o A copy of any document created by Pioneer that was material in making the decision on how to vote the subject proxy; and
- o A copy of any conflict notice, conflict consent or any other written communication (including emails or other electronic communications) to or from the client (or in the case of an employee benefit plan, the plan's trustee or other fiduciaries) regarding the subject proxy vote cast by, or the vote recommendation of, Pioneer.
- o Pioneer shall maintain the above records in the client's file for a period not less than ten (10) years.

Disclosure

Pioneer shall take reasonable measures to inform its clients of the process or procedures clients must follow to obtain information regarding how Pioneer voted with respect to assets held in their accounts. In addition, Pioneer shall describe to clients its proxy voting policies and procedures and will furnish a copy of its proxy voting policies and procedures upon request. This information may be provided to clients through Pioneer's Form ADV (Part II) disclosure, by separate notice to the client, or through Pioneer's website.

Proxy Voting Oversight Group

The members of the Proxy Voting Oversight Group are Pioneer's: Director of Portfolio Management US, Head of Investment Operations, and Director of Compliance. Other members of Pioneer will be invited to attend meetings and otherwise participate as necessary. The Head of Investment Operations will chair the Proxy Voting Oversight Group.

The Proxy Voting Oversight Group is responsible for developing, evaluating, and changing (when necessary) Pioneer's Proxy Voting Policies and Procedures. The group meets at least annually to evaluate and review these policies and procedures and the services of its third-party proxy voting service. In addition, the Proxy Voting Oversight Group will meet as necessary to vote on referral items and address other business as necessary.

Amendments

Pioneer may not amend its Proxy Voting Policies And Procedures without the prior approval of the Proxy Voting Oversight Group and its corporate parent, Pioneer Global Asset Management S.p.A

5

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

Proxy Voting Policies

Pioneer's sole concern in voting proxies is the economic effect of the proposal on the value of portfolio holdings, considering both the short- and long-term impact. In many instances, Pioneer believes that supporting the company's strategy and voting "for" management's proposals builds portfolio value. In other cases, however, proposals set forth by management may have a negative effect on that value, while some shareholder proposals may hold the best prospects for enhancing it. Pioneer monitors developments in the proxy-voting arena and will revise this policy as needed.

All proxies that are received promptly will be voted in accordance with the specific policies listed below. All shares in a company held by Pioneer-managed accounts will be voted alike, unless a client has given us specific voting instructions on an issue or has not delegated authority to us. Proxy voting issues will be reviewed by Pioneer's Proxy Voting Oversight Group, which consists of the Director of Portfolio Management US, the Director of Investment Operations (the Proxy Coordinator), and the Director of Compliance.

Pioneer has established Proxy Voting Procedures for identifying and reviewing conflicts of interest that may arise in the voting of proxies.

Clients may request, at any time, a report on proxy votes for securities held in their portfolios and Pioneer is happy to discuss our proxy votes with company management. Pioneer retains a proxy voting service to provide research on proxy issues and to process proxy votes.

Administrative

While administrative items appear infrequently in U.S. issuer proxies, they are quite common in non-U.S. proxies.

We will generally support these and similar management proposals:

- o Corporate name change.
- o A change of corporate headquarters.
- o Stock exchange listing.
- o Establishment of time and place of annual meeting.
- o Adjournment or postponement of annual meeting.
- o Acceptance/approval of financial statements.
- o Approval of dividend payments, dividend reinvestment plans and other dividend-related proposals.
- o Approval of minutes and other formalities.

6

- o Authorization of the transferring of reserves and allocation of income.
- o Amendments to authorized signatories.
- o Approval of accounting method changes or change in fiscal year-end.

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

- o Acceptance of labor agreements.
- o Appointment of internal auditors.

Pioneer will vote on a case-by-case basis on other routine business; however, Pioneer will oppose any routine business proposal if insufficient information is presented in advance to allow Pioneer to judge the merit of the proposal. Pioneer has also instructed its proxy voting service to inform Pioneer of its analysis of any administrative items inconsistent, in its view, with supporting the value of Pioneer portfolio holdings so that Pioneer may consider and vote on those items on a case-by-case basis.

Auditors

We normally vote for proposals to:

- o Ratify the auditors. We will consider a vote against if we are concerned about the auditors' independence or their past work for the company. Specifically, we will oppose the ratification of auditors and withhold votes from audit committee members if non-audit fees paid by the company to the auditing firm exceed the sum of audit fees plus audit-related fees plus permissible tax fees according to the disclosure categories proposed by the Securities and Exchange Commission.
- o Restore shareholder rights to ratify the auditors.

We will normally oppose proposals that require companies to:

- o Seek bids from other auditors.
- o Rotate auditing firms, except where the rotation is statutorily required or where rotation would demonstrably strengthen financial disclosure.
- o Indemnify auditors.
- o Prohibit auditors from engaging in non-audit services for the company.

Board of Directors

On issues related to the board of directors, Pioneer normally supports management. We will, however, consider a vote against management in instances where corporate performance has been very poor or where the board appears to lack independence.

7

General Board Issues

Pioneer will vote for:

- o Audit, compensation and nominating committees composed of independent directors exclusively.
- o Indemnification for directors for actions taken in good faith in accordance with the business judgment rule. We will vote against proposals for broader indemnification.
- o Changes in board size that appear to have a legitimate business purpose and are not primarily for anti-takeover reasons.
- o Election of an honorary director.

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

We will vote against:

- o Minimum stock ownership by directors.
- o Term limits for directors. Companies benefit from experienced directors, and shareholder control is better achieved through annual votes.
- o Requirements for union or special interest representation on the board.
- o Requirements to provide two candidates for each board seat.

We will vote on a case-by case basis on these issues:

- o Separate chairman and CEO positions. We will consider voting with shareholders on these issues in cases of poor corporate performance.

Elections of Directors

In uncontested elections of directors we will vote against:

- o Individual directors with absenteeism above 25% without valid reason. We support proposals that require disclosure of director attendance.
- o Insider directors and affiliated outsiders who sit on the audit, compensation, stock option or nominating committees. For the purposes of our policy, we accept the definition of affiliated directors provided by our proxy voting service.

We will also vote against:

- o Directors who have failed to act on a takeover offer where the majority of shareholders have tendered their shares.
- o Directors who appear to lack independence or are associated with very poor corporate performance.

8

We will vote on a case-by case basis on these issues:

- o Re-election of directors who have implemented or renewed a dead-hand or modified dead-hand poison pill (a "dead-hand poison pill" is a shareholder rights plan that may be altered only by incumbent or "dead " directors. These plans prevent a potential acquirer from disabling a poison pill by obtaining control of the board through a proxy vote).
- o Contested election of directors.
- o Prior to phase-in required by SEC, we would consider supporting election of a majority of independent directors in cases of poor performance.
- o Mandatory retirement policies.
- o Directors who have ignored a shareholder proposal that has been approved by shareholders for two consecutive years.

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

Takeover-Related Measures

Pioneer is generally opposed to proposals that may discourage takeover attempts. We believe that the potential for a takeover helps ensure that corporate performance remains high.

Pioneer will vote for:

- o Cumulative voting.
- o Increase ability for shareholders to call special meetings.
- o Increase ability for shareholders to act by written consent.
- o Restrictions on the ability to make greenmail payments.
- o Submitting rights plans to shareholder vote.
- o Rescinding shareholder rights plans ("poison pills").
- o Opting out of the following state takeover statutes:
 - o Control share acquisition statutes, which deny large holders voting rights on holdings over a specified threshold.
 - o Control share cash-out provisions, which require large holders to acquire shares from other holders.
 - o Freeze-out provisions, which impose a waiting period on large holders before they can attempt to gain control.
 - o Stakeholder laws, which permit directors to consider interests of non-shareholder constituencies.

9

- o Disgorgement provisions, which require acquirers to disgorge profits on purchases made before gaining control.
- o Fair price provisions.
- o Authorization of shareholder rights plans.
- o Labor protection provisions.
- o Mandatory classified boards.

We will vote on a case-by-case basis on the following issues:

- o Fair price provisions. We will vote against provisions requiring supermajority votes to approve takeovers. We will also consider voting against proposals that require a supermajority vote to repeal or amend the provision. Finally, we will consider the mechanism used to determine the fair price; we are generally opposed to complicated formulas or requirements to pay a premium.
- o Opting out of state takeover statutes regarding fair price provisions. We will use the criteria used for fair price provisions in general to determine our vote on this issue.
- o Proposals that allow shareholders to nominate directors.

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

We will vote against:

- o Classified boards, except in the case of closed-end mutual funds.
- o Limiting shareholder ability to remove or appoint directors. We will support proposals to restore shareholder authority in this area. We will review on a case-by-case basis proposals that authorize the board to make interim appointments.
- o Classes of shares with unequal voting rights.
- o Supermajority vote requirements.
- o Severance packages ("golden" and "tin" parachutes). We will support proposals to put these packages to shareholder vote.
- o Reimbursement of dissident proxy solicitation expenses. While we ordinarily support measures that encourage takeover bids, we believe that management should have full control over corporate funds.
- o Extension of advance notice requirements for shareholder proposals.
- o Granting board authority normally retained by shareholders (e.g., amend charter, set board size).
- o Shareholder rights plans ("poison pills"). These plans generally allow shareholders to buy additional shares at a below-market price in the event of a change in control and may deter some bids.

10

Capital Structure

Managements need considerable flexibility in determining the company's financial structure, and Pioneer normally supports managements' proposals in this area. We will, however, reject proposals that impose high barriers to potential takeovers.

Pioneer will vote for:

- o Changes in par value.
- o Reverse splits, if accompanied by a reduction in number of shares.
- o Share repurchase programs, if all shareholders may participate on equal terms.
- o Bond issuance.
- o Increases in "ordinary" preferred stock.
- o Proposals to have blank-check common stock placements (other than shares issued in the normal course of business) submitted for shareholder approval.
- o Cancellation of company treasury shares.

We will vote on a case-by-case basis on the following issues:

- o Reverse splits not accompanied by a reduction in number of shares,

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

considering the risk of delisting.

- o Increase in authorized common stock. We will make a determination considering, among other factors:
 - o Number of shares currently available for issuance;
 - o Size of requested increase (we would normally approve increases of up to 100% of current authorization);
 - o Proposed use of the additional shares; and
 - o Potential consequences of a failure to increase the number of shares outstanding (e.g., delisting or bankruptcy).
- o Blank-check preferred. We will normally oppose issuance of a new class of blank-check preferred, but may approve an increase in a class already outstanding if the company has demonstrated that it uses this flexibility appropriately.
- o Proposals to submit private placements to shareholder vote.
- o Other financing plans.

We will vote against preemptive rights that we believe limit a company's financing flexibility.

11

Compensation

Pioneer supports compensation plans that link pay to shareholder returns and believes that management has the best understanding of the level of compensation needed to attract and retain qualified people. At the same time, stock-related compensation plans have a significant economic impact and a direct effect on the balance sheet. Therefore, while we do not want to micromanage a company's compensation programs, we will place limits on the potential dilution these plans may impose.

Pioneer will vote for:

- o 401(k) benefit plans.
- o Employee stock ownership plans (ESOPs), as long as shares allocated to ESOPs are less than 5% of outstanding shares. Larger blocks of stock in ESOPs can serve as a takeover defense. We will support proposals to submit ESOPs to shareholder vote.
- o Various issues related to the Omnibus Budget and Reconciliation Act of 1993 (OBRA), including:
 - o Amendments to performance plans to conform with OBRA;
 - o Caps on annual grants or amendments of administrative features;
 - o Adding performance goals; and
 - o Cash or cash-and-stock bonus plans.
- o Establish a process to link pay, including stock-option grants, to performance, leaving specifics of implementation to the company.

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

- o Require that option repricings be submitted to shareholders.
- o Require the expensing of stock-option awards.
- o Require reporting of executive retirement benefits (deferred compensation, split-dollar life insurance, SERPs, and pension benefits).
- o Employee stock purchase plans where the purchase price is equal to at least 85% of the market price, where the offering period is no greater than 27 months and where potential dilution (as defined below) is no greater than 10%.

12

We will vote on a case-by-case basis on the following issues:

- o Executive and director stock-related compensation plans. We will consider the following factors when reviewing these plans:
- o The program must be of a reasonable size. We will approve plans where the combined employee and director plans together would generate less than 15% dilution. We will reject plans with 15% or more potential dilution.

Dilution = $(A + B + C) / (A + B + C + D)$, where

A = Shares reserved for plan/amendment,

B = Shares available under continuing plans,

C = Shares granted but unexercised and

D = Shares outstanding.

- o The plan must not:
 - o Explicitly permit unlimited option repricing authority or that have repriced in the past without shareholder approval.
 - o Be a self-replenishing "evergreen" plan, plans that grant discount options and tax offset payments.
- o We are generally in favor of proposals that increase participation beyond executives.
- o We generally support proposals asking companies to adopt rigorous vesting provisions for stock option plans such as those that vest incrementally over, at least, a three- or four-year period with a pro rata portion of the shares becoming exercisable on an annual basis following grant date.
- o We generally support proposals asking companies to disclose their window period policies for stock transactions. Window period policies ensure that employees do not exercise options based on insider information contemporaneous with quarterly earnings releases and other material corporate announcements.
- o We generally support proposals asking companies to adopt stock holding periods for their executives.

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

- o All other employee stock purchase plans.
- o All other compensation-related proposals, including deferred compensation plans, employment agreements, loan guarantee programs and retirement plans.
- o All other proposals regarding stock compensation plans, including extending the life of a plan, changing vesting restrictions, repricing options, lengthening exercise periods or accelerating distribution of awards and pyramiding and cashless exercise programs.

13

We will vote against:

- o Pensions for non-employee directors. We believe these retirement plans reduce director objectivity.
- o Elimination of stock option plans.

We will vote on a case-by case basis on these issues:

- o Limits on executive and director pay.
- o Stock in lieu of cash compensation for directors.

Corporate Governance

Pioneer will vote for:

- o Confidential Voting.
- o Equal access provisions, which allow shareholders to contribute their opinion to proxy materials.
- o Proposals requiring directors to disclose their ownership of shares in the company.

We will vote on a case-by-case basis on the following issues:

- o Change in the state of incorporation. We will support reincorporations supported by valid business reasons. We will oppose those that appear to be solely for the purpose of strengthening takeover defenses.
- o Bundled proposals. We will evaluate the overall impact of the proposal.
- o Adopting or amending the charter, bylaws or articles of association.
- o Shareholder appraisal rights, which allow shareholders to demand judicial review of an acquisition price.

We will vote against:

- o Shareholder advisory committees. While management should solicit shareholder input, we prefer to leave the method of doing so to management's discretion.
- o Limitations on stock ownership or voting rights.

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

- o Reduction in share ownership disclosure guidelines.

14

Mergers and Restructurings

Pioneer will vote on the following and similar issues on a case-by-case basis:

- o Mergers and acquisitions.
- o Corporate restructurings, including spin-offs, liquidations, asset sales, joint ventures, conversions to holding company and conversions to self-managed REIT structure.
- o Debt restructurings.
- o Conversion of securities.
- o Issuance of shares to facilitate a merger.
- o Private placements, warrants, convertible debentures.
- o Proposals requiring management to inform shareholders of merger opportunities.

We will normally vote against shareholder proposals requiring that the company be put up for sale.

Mutual Funds

Many of our portfolios may invest in shares of closed-end mutual funds or exchange-traded funds. The non-corporate structure of these investments raises several unique proxy voting issues.

Pioneer will vote for:

- o Establishment of new classes or series of shares.
- o Establishment of a master-feeder structure.

Pioneer will vote on a case-by-case on:

- o Changes in investment policy. We will normally support changes that do not affect the investment objective or overall risk level of the fund. We will examine more fundamental changes on a case-by-case basis.
- o Approval of new or amended advisory contracts.
- o Changes from closed-end to open-end format.
- o Authorization for, or increase in, preferred shares.
- o Disposition of assets, termination, liquidation, or mergers.
- o Classified boards of closed-end mutual funds, but will typically support such proposals.

15

Social Issues

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

Pioneer will abstain on stockholder proposals calling for greater disclosure of corporate activities with regard to social issues. "Social Issues" may generally be described as shareholder proposals for a company to:

- o Conduct studies regarding certain issues of public concern and interest;
- o Study the feasibility of the company taking certain actions with regard to such issues; or
- o Take specific action, including ceasing certain behavior and adopting company standards and principles, in relation to issues of public concern and interest.

We believe these issues are important and should receive management attention.

Pioneer will vote against proposals calling for substantial changes in the company's business or activities. We will also normally vote against proposals with regard to contributions, believing that management should control the routine disbursement of funds.

16

Item 8. Portfolio Managers of Closed-End Management Investment Companies.

(a) If the registrant is a closed-end management investment company that is filing an annual report on this Form N-CSR, provide the following information:

(1) State the name, title, and length of service of the person or persons employed by or associated with the registrant or an investment adviser of the registrant who are primarily responsible for the day-to-day management of the registrants portfolio (Portfolio Manager). Also state each Portfolio Managers business experience during the past 5 years.

Additional Information About the Portfolio Managers

Other Accounts Managed by the Portfolio Managers. The table below indicates, for the portfolio manager of the fund, information about the accounts other than the fund over which the portfolio manager has day-to-day investment responsibility. All information on the number of accounts and total assets in the table is as of March 31, 2010. For purposes of the table, "Other Pooled Investment Vehicles" may include investment partnerships, undertakings for collective investments in transferable securities ("UCITS") and other non-U.S. investment funds and group trusts, and "Other Accounts" may include separate accounts for institutions or individuals, insurance company general or separate accounts, pension funds and other similar institutional accounts but generally do not include the portfolio manager's personal investment accounts or those which the manager may be deemed to own beneficially under the code of ethics. Certain funds and other accounts managed by the portfolio manager may have substantially similar investment strategies.

Name of Portfolio Manager	Type of Account	Number of Accounts Managed	Total Assets Managed	Number of Accounts Managed for which Advisory Fee is

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

				Performance-Base
Andrew Feltus	Other Registered Investment Companies	6	\$5,904,343,000	N/A
	Other Pooled Investment Vehicles	4	\$1,599,932,000	N/A
	Other Accounts	1	\$335,242,000	N/A

Potential Conflicts of Interest. When a portfolio manager is responsible for the management of more than one account, the potential arises for the portfolio manager to favor one account over another. The principal types of potential conflicts of interest that may arise are discussed below. For the reasons outlined below, Pioneer does not believe that any material conflicts are likely to arise out of a portfolio manager's responsibility for the management of the fund as well as one or more other accounts. Although Pioneer has adopted procedures that it believes are reasonably designed to detect and prevent violations of the federal securities laws and to mitigate the potential for conflicts of interest to affect its portfolio management decisions, there can be no assurance that all conflicts will be identified or that all procedures will be effective in mitigating the potential for such risks. Generally, the risks of such conflicts of interest are increased to the extent that a portfolio manager has a financial incentive to favor one account over another. Pioneer has structured its compensation arrangements in a manner that is intended to limit such potential for conflicts of interest. See "Compensation of Portfolio Managers" below.

- o A portfolio manager could favor one account over another in allocating new investment opportunities that have limited supply, such as initial public offerings and private placements. If, for example, an initial public offering that was expected to appreciate in value significantly shortly after the offering was allocated to a single account, that account may be expected to have better investment performance than other accounts that did not receive an allocation of the initial public offering. Generally, investments for which there is limited availability are allocated based upon a range of factors including available cash and consistency with the accounts' investment objectives and policies. This allocation methodology necessarily involves some subjective elements but is intended over time to treat each client in an equitable and fair manner. Generally, the investment opportunity is allocated among participating accounts on a pro rata basis. Although Pioneer believes that its practices are reasonably designed to treat each client in an equitable and fair manner, there may be instances where a fund may not participate, or may participate to a lesser degree than other clients, in the allocation of an investment opportunity.
- o A portfolio manager could favor one account over another in the order in which trades for the accounts are placed. If a portfolio manager determines to purchase a security for more than one account in an aggregate amount that may influence the market price of the security, accounts that purchased or sold the security first may receive a more favorable price than accounts that made subsequent transactions. The less liquid the market for the security or the greater the percentage

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

that the proposed aggregate purchases or sales represent of average daily trading volume, the greater the potential for accounts that make subsequent purchases or sales to receive a less favorable price. When a portfolio manager intends to trade the same security on the same day for more than one account, the trades typically are "bunched," which means that the trades for the individual accounts are aggregated and each account receives the same price. There are some types of accounts as to which bunching may not be possible for contractual reasons (such as directed brokerage arrangements). Circumstances may also arise where the trader believes that bunching the orders may not result in the best possible price. Where those accounts or circumstances are involved, Pioneer will place the order in a manner intended to result in as favorable a price as possible for such client.

- o A portfolio manager could favor an account if the portfolio manager's compensation is tied to the performance of that account to a greater degree than other accounts managed by the portfolio manager. If, for example, the portfolio manager receives a bonus based upon the performance of certain accounts relative to a benchmark while other accounts are disregarded for this purpose, the portfolio manager will have a financial incentive to seek to have the accounts that determine the portfolio manager's bonus achieve the best possible performance to the possible detriment of other accounts. Similarly, if Pioneer receives a performance-based advisory fee, the portfolio manager may favor that account, whether or not the performance of that account directly determines the portfolio manager's compensation.
- o A portfolio manager could favor an account if the portfolio manager has a beneficial interest in the account, in order to benefit a large client or to compensate a client that had poor returns. For example, if the portfolio manager held an interest in an investment partnership that was one of the accounts managed by the portfolio manager, the portfolio manager would have an economic incentive to favor the account in which the portfolio manager held an interest.
- o If the different accounts have materially and potentially conflicting investment objectives or strategies, a conflict of interest could arise. For example, if a portfolio manager purchases a security for one account and sells the same security for another account, such trading pattern may disadvantage either the account that is long or short. In making portfolio manager assignments, Pioneer seeks to avoid such potentially conflicting situations. However, where a portfolio manager is responsible for accounts with differing investment objectives and policies, it is possible that the portfolio manager will conclude that it is in the best interest of one account to sell a portfolio security while another account continues to hold or increase the holding in such security.

Compensation of Portfolio Managers. Pioneer has adopted a system of compensation for portfolio managers that seeks to align the financial interests of the portfolio managers with those of shareholders of the accounts (including Pioneer funds) the portfolio managers manage, as well as with the financial performance of Pioneer. The compensation program for all Pioneer portfolio managers includes a base salary (determined by the rank and tenure of the employee) and an annual bonus program, as well as customary benefits that are offered generally to all full-time employees. Base compensation is fixed and normally reevaluated on an annual basis. Pioneer seeks to set base compensation at market rates, taking into account the experience and responsibilities of the portfolio manager. The bonus plan is intended to provide a competitive level of annual bonus compensation that is tied to the portfolio manager achieving superior investment

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

performance and align the interests of the investment professional with those of shareholders, as well as with the financial performance of Pioneer. Any bonus under the plan is completely discretionary, with a maximum annual bonus that may be in excess of base salary. The annual bonus is based upon a combination of the following factors:

- o Quantitative Investment Performance. The quantitative investment performance calculation is based on pre-tax investment performance of all of the accounts managed by the portfolio manager (which includes the fund and any other accounts managed by the portfolio manager) over a one-year period (20% weighting) and four-year period (80% weighting), measured for periods ending on December 31. The accounts, which include the fund, are ranked against a group of mutual funds with similar investment objectives and investment focus (60%) and a broad-based securities market index measuring the performance of the same type of securities in which the accounts invest (40%), which, in the case of the fund, is the Bank of America Merrill Lynch High Yield Master II Index. As a result of these two benchmarks, the performance of the portfolio manager for compensation purposes is measured against the criteria that are relevant to the portfolio manager's competitive universe.

- o Qualitative Performance. The qualitative performance component with respect to all of the accounts managed by the portfolio manager includes objectives, such as effectiveness in the areas of teamwork, leadership, communications and marketing, that are mutually established and evaluated by each portfolio manager and management.

- o Pioneer Results and Business Line Results. Pioneer's financial performance, as well as the investment performance of its investment management group, affect a portfolio manager's actual bonus by a leverage factor of plus or minus (+/-) a predetermined percentage.

The quantitative and qualitative performance components comprise 80% and 20%, respectively, of the overall bonus calculation (on a pre-adjustment basis). A portion of the annual bonus is deferred for a specified period and may be invested in one or more Pioneer funds.

Certain portfolio managers may participate in other programs designed to reward and retain key contributors. Senior executives or other key employees may be granted performance units based on the stock price performance of UniCredit and the financial performance of Pioneer Global Asset Management S.p.A., which are affiliates of Pioneer. Portfolio managers also may participate in a deferred compensation program, whereby deferred amounts are invested in one or more Pioneer funds.

Share Ownership by Portfolio Manager. The following table indicates as of March 31, 2010 the value, within the indicated range, of shares beneficially owned by the portfolio manager of the fund.

Name of Portfolio Manager	Beneficial Ownership of the Fund*
Andrew Feltus	C

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

*Key to Dollar Ranges

- A. None
- B. \$1 - \$10,000
- C. \$10,001 - \$50,000
- D. \$50,001 - \$100,000
- E. \$100,001 - \$500,000
- F. \$500,001 - \$1,000,000
- G. Over \$1,000,000

Item 9. Purchases of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers.

(a) If the registrant is a closed-end management investment company, in the following tabular format, provide the information specified in paragraph (b) of this Item with respect to any purchase made by or on behalf of the registrant or any affiliated purchaser, as defined in Rule 10b-18(a)(3) under the Exchange Act (17 CFR 240.10b-18(a)(3)), of shares or other units of any class of the registrants equity securities that is registered by the registrant pursuant to Section 12 of the Exchange Act (15 U.S.C. 781). Instruction to paragraph (a). Disclose all purchases covered by this Item, including purchases that do not satisfy the conditions of the safe harbor of Rule 10b-18 under the Exchange Act (17 CFR 240.10b-18), made in the period covered by the report. Provide disclosures covering repurchases made on a monthly basis. For example, if the reporting period began on January 16 and ended on July 15, the chart would show repurchases for the months from January 16 through February 15, February 16 through March 15, March 16 through April 15, April 16 through May 15, May 16 through June 15, and June 16 through July 15.

During the period covered by this report, there were no purchases made by or on behalf of the registrant or any affiliated purchaser as defined in Rule 10b-18(a)(3) under the Securities Exchange Act of 1934 (the Exchange Act), of shares of the registrants equity securities that are registered by the registrant pursuant to Section 12 of the Exchange Act.

Item 10. Submission of Matters to a Vote of Security Holders.

Describe any material changes to the procedures by which shareholders may recommend nominees to the registrants board of directors, where those changes were implemented after the registrant last provided disclosure in response to the requirements of Item 7(d)(2)(ii)(G) of Schedule 14A (17 CFR 240.14a-101), or this Item.

There have been no material changes to the procedures by which the shareholders may recommend nominees to the registrants board of directors since the registrant last provided disclosure in response to the requirements of Item 7(d)(2)(ii)(G) of Schedule 14(A) in its definitive proxy statement, or this Item.

ITEM 11. CONTROLS AND PROCEDURES.

(a) Disclose the conclusions of the registrant's principal executive officer or officers and principal financial officer or officers, or persons performing similar functions, about the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-2(c) under the Act (17 CFR

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

270.30a-2(c)) based on their evaluation of these controls and procedures as of a date within 90 days of the filing date of the report that includes the disclosure required by this paragraph.

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 whether or not there were significant changes in the registrant's internal controls or in other factors that could significantly affect these controls subsequent to the date of their evaluation, including any corrective actions with regard to significant deficiencies and material weaknesses.

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.

The registrant's principal executive officer and principal financial officer, however, voluntarily are reporting the following information:

In August of 2006 the registrant's investment adviser enhanced its internal procedures for reporting performance information required to be included in prospectuses. Those enhancements involved additional internal controls over the appropriateness of performance data generated for this purpose. Such enhancements were made following an internal review which identified prospectuses relating to certain classes of shares of a limited number of registrants where, inadvertently, performance information not reflecting the deduction of applicable sales charges was included. Those prospectuses were revised, and the revised prospectuses were distributed to shareholders.

ITEM 12. EXHIBITS.

File the exhibits listed below as part of this Form. Letter or number the exhibits in the sequence indicated.

(a) Any code of ethics, or amendment thereto, that is the subject of the disclosure required by Item 2, to the extent that the registrant intends to satisfy the Item 2 requirements through filing of an exhibit.

(b) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2 under the Act (17 CFR 270.30a-2).

Filed herewith.

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

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/ John F. Cogan, Jr.
John F. Cogan, Jr, President

Date November 29, 2010

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/ John F. Cogan, Jr.
John F. Cogan, Jr., President

Date November 29, 2010

By (Signature and Title)* /s/ Mark Bradley
Mark Bradley, Treasurer

Date November 29, 2010

* Print the name and title of each signing officer under his or her signature.