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PIONEER HIGH INCOME TRUST
Form N-CSR
November 29, 2007

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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)

Dorothy E. Bourassa, 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, 2007 through September 30, 2007

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.

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ITEM 1. REPORTS TO SHAREOWNERS.

PIONEER

HIGH
INCOME
TRUST

Semiannual
Report

9/30/07

[LOGO] PIONEER
Investments (R)

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President's

Dear Shareowner,

Staying diversified and keeping your portfolio invested in the markets are two general investment principles that have served investors well over time. They were particularly useful guides during the past year, when an otherwise healthy long-term bull market was buffeted by problems in the mortgage and banking industries.

Since mid-year, issues tied to poor underwriting practices in the subprime

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sector of the mortgage industry and to problems with risk management by banks and hedge funds have resulted in increased market volatility and rising concern about risks to U.S. economic growth.

Even against this backdrop, the long-term performance of major asset classes remained positive. In the 12 months ending September 30, 2007, equity investors were generally rewarded as, despite several interim corrections, the Standard & Poor's 500 Index returned 16%, the Dow Jones Industrial Average returned 22%, and the NASDAQ Composite Index returned 20%. International developed and emerging markets equities performed even better, reflecting both a weakening dollar (which boosts returns for U.S. dollar-based investors) and strong local currency returns, with the MSCI EAFE Developed Market Index returning 25% and the MSCI Emerging Markets Index returning 59% over the same 12-month period. The U.S. bond market, as measured by the Lehman Aggregate Bond Index, returned 5% in the 12 months ending September 30, 2007. The U.S. high-yield bond market, as measured by the Merrill Lynch High Yield Bond Master II Index, returned 8% for the same period, reflecting its higher coupon yield.

U.S. economic growth has slowed in the past year, but this was due as much to the natural maturation of the cyclical expansion, as U.S. factories approached full utilization and the labor market approached full employment, as it was to rising commodity prices or short-term interest rates. This slowdown was, therefore, not entirely unwelcome, as it reduced the threat of higher inflation. More recently, however, there has been increasing concern that falling home prices, and/or disruptions in financial markets pose a larger threat to continuing economic growth. A weaker U.S. dollar has put upward pressure on some prices, but it has also benefited exporters and companies competing in the global marketplace.

Although U.S. economic growth has slowed, growth in the rest of the world remains relatively strong. In Europe, robust GDP growth driven by a positive operating environment for European companies, especially exporters, has driven unemployment lower and supported growing consumption, although concerns about the impact of the strong Euro are a persistent source of worry. Japanese economic growth continues, albeit at a muted rate, and the country's deflationary problems are gradually receding. Economic growth in

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Letter

emerging market countries remains faster than in the developed world as they persist in "catching up," led by China, which continues its rise as a world economic power.

The U.S. Federal Reserve and the world's other central banks have pursued policies aimed at producing low and stable inflation, believed to be the best backdrop for steady economic growth and low average unemployment over the long term. Keeping inflation low is also an important support for stock and bond valuations, and so central bank policies have also been "investor friendly."

Looking forward, the economic outlook appears generally positive, although real estate prices, subprime mortgage defaults, and the possibility of a systemic liquidity/credit crunch all represent sources of risk. Central banks responded to this summer's liquidity squeeze in the inter-bank and commercial paper markets by acting as "lenders of last resort" and, in September, the Fed cut rates to limit the risk of credit market problems spreading to the broader economy. While falling risk tolerances and reducing leverage may depress asset prices in the short term, valuations look reasonable if "Wall Street" problems do not spread to the broader "Main Street" economy.

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Sudden swings in the markets are always to be expected. Just as staying diversified and invested are important investment principles, it is also important to pay attention to asset allocation. As always, we encourage you to work closely with your financial advisor to find the mix of stocks, bonds and money market assets that is aligned to your particular risk tolerance and investment objective.

Respectfully,

/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.

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Pioneer High Income Trust

PORTFOLIO MANAGEMENT DISCUSSION 9/30/07

High-yield bonds went through a turbulent period during the six-month fiscal period ending September 30, 2007. While lower-rated, high-yielding securities performed relatively well in the early months of the period, in July and August investors became increasingly uneasy about credit risk because of the rapidly deteriorating conditions in the subprime mortgage market. However, the U.S. Federal Reserve ("Fed") intervened, adding liquidity into the financial system in August and September and restoring stability to the market. The following is an interview with Andrew Feltus, who discusses the performance of Pioneer High Income Trust during the six-month period ended September 30, 2007. Mr. Feltus is responsible for the daily management of the Trust.

Q: How did the Fund perform during the six months ended September 30, 2007?

A: The Trust produced a total return of -0.30% at net asset value during the six months, trailing the benchmark Merrill Lynch High Yield Master II Index, which returned 0.63% for the same period. At market price, the Trust returned -1.28% over the same period, with shares selling at a 6.2% premium to their net asset value on September 30, 2007. The Trust's SEC yield on September 30, 2007 was 11.11%.

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.

The performance data quoted represents past performance, which is no guarantee of future results. Investment return and principal value will fluctuate, and shares, when redeemed, may be worth more or less than their original cost.

Q: What were the principal factors that influenced the Trust's performance

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during the six months ended September 30, 2007?

A: The six-month period began in early April with a generally favorable environment, as healthy economic growth and improving corporate profitability continued to support the valuations of corporate securities, including high-yield bonds. But conditions changed abruptly in the summer as weakness in the housing industry and a growing awareness of problems in the subprime mortgage

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Pioneer High Income Trust

market began to cause problems throughout the credit markets. The high-yield market was particularly hard-hit because of a developing large supply of new bonds associated with leveraged buyouts in the high-yield pipeline. As credit fears rose, investors moved in a general flight to quality toward the highest-rated securities. However, the market began recovering in mid-August as the Fed started to inject additional liquidity into the capital markets. In September, the Fed cut the benchmark Fed funds rate from 5.25% to 4.75% and made a similar cut in the discount rate, which also had been reduced a month earlier. Despite a recovery late in the period after the Fed's intervention, high-yield bond investments still tended to lose value over the period, although the income produced by bonds in most cases either largely or fully compensated for the price erosion. On a total return basis, investment results were close to flat for the six months.

The primary factor in the Trust's underperformance was its use of leverage, or borrowing, to finance part of its investments in high-yield bonds. Leverage accounted for almost 25% of total invested assets. The use of leverage typically helps support performance when high yield bonds are performing well. However, during a period when returns from high yielding bonds were relatively flat, the performance of investments was not sufficient to compensate for the costs of borrowing money to invest.

Because of the Trust's income orientation, we tend to emphasize shorter-maturity high-yielding bonds, and so we were positioned relatively defensively prior to the market decline in July and August. Moreover, we had allowed our investments in emerging market securities to decline as we became aware of the potential for some type of correction in the high-yield market because of housing-related concerns.

At the end of the six-month period, 75.3% of Trust assets were invested in U.S. high-yielding corporate bonds, and 8.2% were invested in emerging market debt and high-yield corporate bonds from developed markets. Most remaining assets were invested in investment-grade corporate bonds, bank loans and other lower risk investments. Average credit quality of Trust holdings was B-, as of September 30, 2007. On September 30, 2007, the portfolio's effective duration was 3.81 years, with Trust holdings having an

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Pioneer High Income Trust

PORTFOLIO MANAGEMENT DISCUSSION 9/30/07

(continued)

average maturity of 5.91 years. (Duration is a measure of a bond's price sensitivity to changes in interest rates.)

Q: What types of investments tended to have the greatest influence on the Trust's performance during the six months ended September 30, 2007?

A: The Trust's relatively defensive positioning and good security selection tended to buffer the Trust's portfolio from the most severe effects of the market volatility. We had, for example, no defaults or significant credit-related problems among the Trust's holdings. Nevertheless, we did have some disappointments. Our investments in two casino and hotel operators - Trump Entertainment and Tropicana Casinos and Resorts - both decreased in value. The Trump bonds lost value when an anticipated sale of the company failed to materialize, while Tropicana produced weak operating costs at a time when it was investing significant sums in property renovations. Bonds of LandSource, a land bank that was the result of a joint venture by home builder Lennar Corp and the California Public Employees' Retirement System (CALPERS), performed poorly when the bank's real estate holdings in California lost value because of the real estate slump.

We also, however, had some positive contributors. Several holdings gained value when the issuing companies or their acquirers announced plans to reduce their debt. Bonds issued by Compucom (CRH Holding), a computer services company, rose when the bonds were bought back by the issuing company upon the sale of Compucom in a transaction known as a "tender offer." Securities of Hexion also appreciated when the company announced it would be acquiring its debt in a tender offering by that company. Similarly, bonds issued by financial services company J.G. Wentworth outperformed as the company issued new equity and reduced its debt. Meanwhile bonds of Inpcomex, a computer marketing company servicing Latin America, announced that it would be lowering its debt as part of its initial public stock offering. The acquisitions of two utilities also resulted in gains for the Trust. Mirant Jamaica, a Jamaican utility, was acquired by a corporation with a higher credit rating, while Rural Cellular Corp. was purchased by Verizon Wireless.

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Pioneer High Income Trust

Q: What is your outlook?

A: A number of significant factors appear to support the valuations of corporate high-yield bonds in the United States. After the underperformance of the past six months, high-yield bonds are more attractively priced than they have been in recent years. While the economic expansion appears to be decelerating, it remains vital, and we do not believe a recession is likely. Corporate profits also remain solid. Bonds of foreign high-yield bonds and of emerging market debt also appear to be reasonably priced. We

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think the Trust is well positioned for a changing environment of persistent, if slowing, economic growth in the United States.

We also are comfortable with the Trust's current dividend level. Higher yields are available in the market, and the costs of borrowing have been reduced because of the Fed's actions. However, we also must remind shareowners that if short-term interest rates were to rise, the Trust's borrowing costs would increase, potentially affecting the dividend level.

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 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 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.

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Pioneer High Income Trust

PORTFOLIO MANAGEMENT DISCUSSION 9/30/07

(continued)

The Trust may use leverage through the issuance of preferred shares with an aggregate liquidation preference of up to 331/3% of the Trust's total assets after such issuance. 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.

Risks of investing in the Trust are discussed in greater detail in the Trust's registration statement on Form N-2 relating to its common shares.

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.

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Pioneer High Income Trust

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PORTFOLIO SUMMARY 9/30/07

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	84.9%
Municipal Bonds	5.2%
Temporary Cash Investments	3.5%
Floating Rate Loan Interests	3.1%
Sovereign Debt Obligations	1.6%
Municipal Collateralized Debt Obligations	0.6%
Common Stocks	0.3%
Convertible Bonds	0.3%
Fixed Rate Loan Interests	0.2%
Collateralized Mortgage Obligations	0.2%
Warrants	0.1%

Portfolio Maturity

(As a percentage of long-term holdings)

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

4-6 Years	46.3%
1-3 Years	20.7%
3-4 Years	17.0%
0-1 Year	8.1%
6-8 Years	4.5%
8+ Years	3.4%

The portfolio is actively managed, and current holdings may be different.

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Pioneer High Income Trust

PRICES AND DISTRIBUTIONS 9/30/07

Share Prices and Distributions

Market Value
per Common Share 9/30/07 3/31/07

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\$16.74 \$17.84

Net Asset Value per Common Share	9/30/07	3/31/07	
	\$15.76	\$16.63	

Distributions per Common Share	Net Investment Income	Short-Term Capital Gains	Long-Term Capital Gains
(4/1/07 - 9/30/07)	\$0.825	\$ -	\$ -

10 Largest Holdings

(As a percentage of long-term holdings)*

1. Xerox Capital Trust I, 8.0%, 2/1/27	2.12%
2. NCO Group, Inc., 11.875%, 11/15/14	1.56
3. Seabulk International, Inc., 9.5%, 8/15/13	1.52
4. GATX Financial Corp., 8.875%, 6/1/09	1.50
5. Eschelon Operating Co., 8.375%, 3/15/10	1.35
6. Cricket Communications, Inc., 9.375%, 11/1/14	1.24
7. Cia Brasileira de Bebida, 10.5%, 12/15/11	1.23
8. Baytex Energy, Ltd., 9.625%, 7/15/10	1.21
9. Builders FirstSource, Inc., 9.808%, 2/15/12	1.05
10. Waste Services, Inc., 9.5%, 4/15/14	1.03

* This list excludes temporary cash and derivative investments. The portfolio is actively managed, and current holdings may be different. The holdings listed should not be considered recommendations to buy or sell any security listed.

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Pioneer High Income Trust

PERFORMANCE UPDATE 9/30/07

Investment Returns

The mountain chart on the right shows the change in market value, plus reinvested dividends and distributions, of a \$10,000 investment made in common shares of Pioneer High Income Trust, compared to that of the Merrill Lynch High Yield Master II Index.

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 Cumulative Total Returns
 (As of September 30, 2007)

Period	Net Asset Value (NAV)	Market Price
Life-of-Trust (4/26/02)	98.98%	101.90%
5 Years	124.12	122.54
1 Year	8.31	4.43

[The following data was represented as a line graph in the printed material]

Value of \$10,000 Investment

	Pioneer High Income Trust	Merrill Lynch High Yield Master II Index
4/02	\$ 10,013	\$ 10,000
9/03	11,973	11,481
9/05	15,990	13,763
9/07	20,190	16,004

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 than their NAV. NAV 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 redemption of Trust shares.

Index comparison begins April 30, 2002. The 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. You cannot invest directly in the Index.

Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited)

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		V
		COLLATERIZED MORTGAGE OBLIGATIONS - 0.3% of Net Assets	
		Diversified Financials - 0.3%	
1,245,000	BB/Ba3	DB Master Finance LLC, 8.285%, 6/20/31 (144A)	\$ 1,278
		TOTAL COLLATERIZED MORTGAGE OBLIGATIONS (Cost \$1,268,026)	----- \$ 1,278 -----
		CORPORATE BONDS & NOTES - 115.7% of Net Assets	
		Energy - 15.8%	
		Oil & Gas Drilling - 2.9%	
4,400,000	NR/NR	DDI Holding AS, 9.3%, 1/19/12 (144A)	\$ 4,532
2,500,000	NR/NR	Norse Energy Corp. ASA, 6.5%, 7/14/11 (144A)	2,075
NOK 3,000,000	NR/NR	Norse Energy Corp. ASA, 10.0%, 7/13/10	550
NOK 11,500,000	NR/NR	Petrojack AS, 11.0%, 4/19/10	2,099
3,500,000	NR/NR	Skeie Drilling & Production ASA, 11.25%, 3/8/13	3,360
			----- \$ 12,617 -----
		Oil & Gas Equipment & Services - 2.4%	
600,000 (a)	NR/NR	DP Producer AS, 11.669%, 12/5/11 (144A)	\$ 582
1,100,000	NR/NR	Nexus 1 Pte, Ltd., 10.5%, 3/7/12 (144A)	1,100
NOK 11,500,000	NR/NR	Norwegian Energy Co. AS, 11.0%, 7/13/10 (144A)	2,089
2,000,000	NR/NR	Sevan Marine ASA, 9.25%, 12/20/11 (144A)	2,000
4,540,000	NR/NR	White Pine Hydro Portfolio LLC, 7.26%, 7/20/15 (144A)	4,502
			----- \$ 10,273 -----
		Integrated Oil & Gas - 0.5%	
2,070,000	NR/B2	Tristan Oil, Ltd., 10.5%, 1/1/12 (144A)	\$ 1,956
		Oil & Gas Exploration & Production - 6.1%	
6,584,000	B-/B3	Baytex Energy, Ltd., 9.625%, 7/15/10	\$ 6,781
3,200,000	NR/NR	Biofuel Energy ASA, 10.0%, 6/7/12	3,168
1,250,000	B/B3	Hilcorp Energy I, LP, 9.0%, 6/1/16 (144A)	1,275
4,500,000	BBB-/Ba1	Methanex Corp., 8.75%, 8/15/12	4,770
1,300,000	B-/Caa1	Parallel Petroleum Corp., 10.25%, 8/1/14 (144A)	1,313
500,000 (a)	NR/NR	PetroProd, Ltd., 11.36%, 1/12/12 (144A)	492
5,300,000	B-/Caa2	PetroQuest Energy, Inc., 10.375%, 5/15/12	5,392
3,135,000	B-/Caa2	Stone Energy Corp., 6.75%, 12/15/14	2,899
			----- \$ 26,092 -----
		Oil & Gas Refining & Marketing - 2.6%	
6,075,000	B-/B3	Aventine Renewable Energy Holdings, Inc.,	

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		10.0%, 4/1/17	\$ 5,497
1,425,000	B-/B3	VeraSun Energy Corp., 9.375%, 6/1/17 (144A)	1,225
4,280,000	B+/Ba2	VeraSun Energy Corp., 9.875%, 12/15/12	4,322

			\$ 11,046

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

Pioneer High Income Trust

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		Va
2,130,000	NR/B1	Oil & Gas Storage & Transportation - 0.7%	
820,000	CCC+/B3	SemGroup L.P., 8.75%, 11/15/15 (144A)	\$ 2,082,
		Targa Resources, Inc., 8.5%, 11/1/13 (144A)	820,

			\$ 2,902,

3,000,000	B+/B2	Coal & Consumable Fuels - 0.6%	
		Massey Energy Co., 6.875%, 12/15/13	\$ 2,797,

		Total Energy	\$ 67,685,

4,635,000	B+/B1	Materials - 18.7%	
4,860,000 (1)	CCC+/B3	Commodity Chemicals - 2.8%	
3,150,000	BB-/Ba3	ARCO Chemical Co., 9.8%, 2/1/20	\$ 4,588,
		Georgia Gulf Corp., 10.75%, 10/15/16	4,228,
		Invista, 9.25%, 5/1/12 (144A)	3,307,

			\$ 12,124,

4,950,000	B/B2	Diversified Chemicals - 2.8%	
3,000,000	B/B3	Basell Finance Co., 8.1%, 3/15/27 (144A)	\$ 4,306,
		Hexion US Finance Corp./Hexion Nova Scotia	
		Finance ULC, 9.75%, 11/15/14	3,300,
EURO 350,000	B-/B3	Ineos Group Holdings Plc, 7.875%, 2/15/16 (144A)	465,
2,500,000	B-/B3	Ineos Group Holdings Plc., 8.5%, 2/15/16 (144A)	2,393,
EURO 1,190,000	B/B2	Nell AF S.a.r.l., 8.375%, 8/15/15 (144A)	1,573,

			\$ 12,039,

785,000	CCC+/Caa1	Specialty Chemicals - 0.9%	
3,300,000	B/B1	MacDermid, Inc., 9.5%, 4/15/07 (144A)	\$ 757,
		Tronox Worldwide LLC, 9.5%, 12/1/12	3,291,

			\$ 4,049,

4,500,000	B/B2	Construction Materials - 2.5%	
825,000	NR/NR	AGY Holding Corp., 11.0%, 11/15/14 (144A)	\$ 4,488,
		Blaze Recycling & Metals LLC, 10.875%,	

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		7/15/12 (144A)	825,
1,500,000	CCC+/Caa1	Panolam Industries International, Inc., 10.75%, 10/1/13 (144A)	1,425,
4,185,000	B-/B2	U.S. Concrete, Inc., 8.375%, 4/1/14	3,892,

			\$ 10,630,

		Paper Packaging - 3.1%	
5,450,000	B-/B3	Exopack Holding Corp., 11.25%, 2/1/14	\$ 5,695,
5,540,000	B-/B3	Graphic Packaging International, Inc., 9.5%, 8/15/13	5,692,
2,150,000	B/B3	U.S. Corrugated, Inc., 10.0%, 6/1/13	1,999,

			\$ 13,387,

The accompanying notes are an integral part of these financial statements. 13

Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited) (continued)

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		Value
		Aluminum - 1.4%	
2,035,000	B-/Caa1	Aleris International, Inc., 10.0%, 12/15/16	\$ 1,800,975
1,200,000	BB-/B1	Asia Aluminum Holdings, Ltd., 8.0%, 12/23/11 (144A)	1,167,000
3,180,000	B/Caa1	Indalex Holding Corp., 11.5%, 2/1/14	2,989,200

			\$ 5,957,175

		Diversified Metals & Mining - 3.1%	
3,300,000	B-/B3	American Rock Salt Co. LLC, 9.5%, 3/15/14	\$ 3,374,250
3,000,000	BB-/Ba3	FMG Finance Pty., Ltd., 10.625%, 9/1/16 (144A)	3,532,500
1,505,000 (a) (b)	CCC+/B3	Noranda Aluminium Acquisition Corp., 9.36%, 5/15/15 (144A)	1,414,700
3,050,000	B-/B3	PNA Group, Inc., 10.75%, 9/1/16	3,111,000
1,870,000 (a)	B-/Caa1	PNA Intermediate Holding Corp., 12.558%, 2/15/13 (144A)	1,832,600

			\$ 13,265,050

		Steel - 1.7%	
4,205,000	B-/Caa1	Algoma Acquisition Corp., 9.875%, 6/15/15 (144A)	\$ 3,742,450
2,900,000	BB/Ba2	CSN Islands VIII Corp., 9.75%, 12/16/13 (144A)	3,306,000

			\$ 7,048,450

		Forest Products - 0.4%	
1,645,000	B-/B3	Mandra Forestry Holdings, Ltd., 12.0%, 5/15/13 (144A)	\$ 1,595,650

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		Total Materials	\$ 80,097,394
		Capital Goods - 8.6%	
		Building Products - 1.9%	
6,135,000 (a)	B+/B2	Builders FirstSource, Inc., 9.808%, 2/15/12	\$ 5,904,938
2,500,000	B/B3	Industrias Unidas SA de CV, 11.5%, 11/15/16 (144A)	2,337,500
			\$ 8,242,438
		Electrical Components & Equipment - 0.7%	
660,000	B/B3	Baldor Electric Co., 8.625%, 2/15/17	\$ 689,700
2,270,000 (c)	NR/B3	Caiua Servicios Electricidad SA, 11.125% (144A)	2,272,837
			\$ 2,962,537
		Heavy Electrical Equipment - 2.1%	
4,790,000	B/B2	Altra Industrial Motion, 9.0%, 12/1/11	\$ 4,855,862
3,975,000	B-/B3	Hawk Corp., 8.75%, 11/1/14	4,024,687
			\$ 8,880,549

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

Pioneer High Income Trust

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		Va
		Construction & Farm Machinery & Heavy Truck - 3.9%	
4,900,000	B-/B3	Accuride Corp., 8.5%, 2/1/15	\$ 4,704,
3,250,000	B+/B1	Commercial Vehicle Group, Inc., 8.0%, 7/1/13	3,071,
1,520,000	B/B2	Esco Corp., 8.625%, 12/15/13 (144A)	1,497,
1,750,000	B+/B2	Greenbrier Companies, Inc., 8.375%, 5/15/15	1,745,
1,000,000 (d)	CCC+/Caa2	Stanadyne Corp., 0.0%, 2/15/15	805,
4,690,000	CCC+/Caa1	Stanadyne Corp., 10.0%, 8/15/14	4,713,
			\$ 16,536,
		Total Capital Goods	\$ 36,622,
		Commercial Services & Supplies - 6.2%	
		Diversified Commercial & Professional Services - 3.5%	
3,500,000	CCC+/Caa1	Allied Security Escrow, 11.375%, 7/15/11	\$ 3,500,
1,050,000	B-/B3	Mobile Services Group, Inc., 9.75%, 8/1/14 (144A)	1,050,
9,000,000	B-/Caa1	NCO Group, Inc., 11.875%, 11/15/14	8,752,
1,565,000	B-/B3	Park-Ohio Industries, Inc., 8.375%, 11/15/14	1,510,
			\$ 14,812,

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			Environmental & Facilities Services - 2.7%	
4,088,000	BB-/Ba3		Clean Harbors, Inc., 11.25%, 7/15/12	\$ 4,496,
1,275,000 (a)	NR/NR		Ohio Air Quality Development Authority Revenue, 10.36%, 6/8/22 (144A)	1,249,
5,800,000	CCC+/Caa1		Waste Services, Inc., 9.5%, 4/15/14	5,800,

			Total Commercial Services & Supplies	\$ 11,545,

			Transportation - 4.8%	
			Air Freight & Logistics - 0.9%	
2,000,000	B-/B3		CEVA Group Plc, 10.0%, 9/1/14 (144A)	\$ 2,000,
EURO 1,545,000	CCC+/Caa1		CEVA Group Plc, 10.0%, 12/1/16 (144A)	1,884,

				\$ 3,884,

			Airlines - 0.6%	
976,135	CCC+/B3		American Airlines, Inc., 7.379%, 11/23/17	\$ 910,
817,814	B+/B1		Continental Airlines, Inc., Series B, 8.499%, 11/1/12	817,
1,000,000 (c)	NR/Ba2		GOL Finance, 8.75% (144A)	992,

				\$ 2,720,

			Marine - 2.7%	
8,000,000	BBB-/Ba1		Seabulk International, Inc., 9.5%, 8/15/13	\$ 8,540,
2,900,000	B-/B3		Trailer Bridge, Inc., 9.25%, 11/15/11	2,871,

				\$ 11,411,

The accompanying notes are an integral part of these financial statements. 15

Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited) (continued)

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		Value
		Railroads - 0.6%	
2,250,000	NR/B2	Kansas City Southern de Mexico, 9.375%, 5/1/12	\$ 2,356,875

		Total Transportation	\$ 20,372,554

		Automobiles & Components - 1.2%	
		Auto Parts & Equipment - 1.2%	
5,965,000 (1)	CCC+/Caa1	Cooper-Standard Automotive, Inc., 8.375%, 12/15/14	\$ 5,189,550

		Total Automobiles & Components	\$ 5,189,550

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		Consumer Durables & Apparel - 1.7%	
		Homebuilding - 1.0%	
2,000,000	BB/Ba3	Meritage Homes Corp., 6.25%, 3/15/15	\$ 1,560,000
600,000	B/Caa1	William Lyon Homes, Inc., 7.5%, 2/15/14	396,000
3,200,000	B/Caa1	William Lyon Homes, Inc., 7.625%, 12/15/12	2,176,000

			\$ 4,132,000

		Housewares & Specialties - 0.7%	
3,450,000 (1)	CCC+/Caa1	Yankee Acquisition Corp., 9.75%, 2/15/17	\$ 3,260,250

		Total Consumer Durables & Apparel	\$ 7,392,250

		Consumer Services - 5.2%	
		Casinos & Gaming - 4.8%	
2,000,000	B/B2	Buffalo Thunder Development Authority, 9.375%, 12/15/14 (144A)	\$ 1,880,000
1,400,000	CCC+/Caa1	Fontainebleau Las Vegas Holdings LLC/ Fontainebleau Las Vegas Capital Corp., 10.25%, 6/15/15 (144A)	1,312,500
1,675,000	B+/B1	Galaxy Entertainment Finance Co., Ltd., 9.875%, 12/15/12 (144A)	1,725,250
4,500,000	B/B2	Little Traverse Bay Bands of Odawa Indians, 10.25%, 2/15/14 (144A)	4,590,000
1,700,000	B/B3	Pokagon Gaming Authority, 10.375%, 6/15/14 (144A)	1,865,750
1,750,000	B/B3	Shingle Springs Tribal Gaming Authority, 9.375%, 6/15/15 (144A)	1,767,500
2,450,000 (1)	B/Caa1	Trump Entertainment Resorts, Inc., 8.5%, 6/1/15	2,039,625
6,800,000	CCC+/Caa1	Wimar Opco LLC, 9.625%, 12/15/14 (144A)	5,270,000

			\$ 20,450,625

		Hotels, Resorts & Cruise Lines - 0.4%	
2,000,000 (a)	B+/B2	HRP Myrtle Beach Operations LLC, 10.07%, 4/1/12 (144A)	\$ 1,920,000

		Total Consumer Services	\$ 22,370,625

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Pioneer High Income Trust

Principal
Amount
USD(\$)

S&P/Moody's
Ratings
(unaudited)

		Media - 5.1%	
		Broadcasting & Cable Television - 2.5%	
3,200,000	CCC/Caa2	CCH I Holdings LLC, 11.0%, 10/1/15	\$ 3,240,000
1,500,000	CCC/Caa2	CCH II Holdings LLC, 10.25%, 9/15/10	1,560,000
EURO 3,750,000	B-/B2	Kabel Deutschland GmbH, 10.75%, 7/1/14	5,780,000

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				----- \$ 10,58 -----
			Publishing - 2.6%	
1,710,237 (b)	CCC+/Caa1		AAC Group Holding Corp., 14.75%, 10/1/12	\$ 1,67
4,835,000	B/B2		Sheridan Acquisition Corp., 10.25%, 8/15/11	4,87
1,400,000	CCC+/Caa1		TL Acquisitions, Inc., 10.5%, 1/15/15 (144A)	1,38
3,700,000 (d)	B-/B3		Visant Holding Corp., 0.0%, 12/1/13	3,44
				----- \$ 11,37 -----
			Total Media	\$ 21,96 -----
			Retailing - 2.4%	
			Distributors - 1.3%	
4,735,000	B-/B3		Intcomex, Inc., 11.75%, 1/15/11	\$ 4,82
820,000	CCC/Caa1		KAR Holdings, Inc., 10.0%, 5/1/15 (144A)	76
				----- \$ 5,59 -----
			Specialty Stores - 1.1%	
4,615,000 (l)	CCC+/Caa1		Sally Holdings LLC, 10.5%, 11/15/16	\$ 4,61
			Total Retailing	\$ 10,21 -----
			Food & Staples Retailing - 0.8%	
			Drug Retail - 0.8%	
3,350,000	CC/Caa3		Duane Reade, Inc., 9.75%, 8/1/11	\$ 3,20
			Total Food & Staples Retailing	\$ 3,20 -----
			Food, Beverage & Tobacco - 3.0%	
			Brewers - 1.6%	
5,885,000	BBB/Baa1		Cia Brasileira de Bebida, 10.5%, 12/15/11	\$ 6,93

			Agricultural Products - 0.4%	
1,000,000 (c)	BB/Ba2		Cosan SA Industria e Comercio, 8.25% (144A)	\$ 99
500,000	B+/B1		Marfrig Overseas, Ltd., 9.625%, 11/16/16 (144A)	51
				----- \$ 1,50 -----
			Packaged Foods & Meats - 0.7%	
775,000	B+/Ba3		Bertin, Ltd., 10.25%, 10/5/16 (144A)	\$ 82
2,410,000	B/NR		Minerva Overseas, Ltd., 9.5%, 2/1/17 (144A)	2,37
				----- \$ 3,20 -----

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Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited)

(continued)

Principal

S&P/Moody's

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Amount USD (\$)	Ratings (unaudited)		Val
1,230,000	B/B2	Tobacco - 0.3% Alliance One International, Inc., 8.5%, 5/15/12 (144A)	\$ 1,205,400
		Total Food, Beverage & Tobacco	\$ 12,857,719
2,875,000	CCC+/Caa2	Health Care Equipment & Services - 6.8% Health Care Equipment & Services - 0.6% Accellent, Inc., 10.5%, 12/1/13	\$ 2,659,375
2,900,000 (a)	CCC+/B3	Health Care Supplies - 0.6% Medical Services Co., 12.86%, 10/15/11	\$ 2,711,500
2,160,000	B-/B3	Health Care Services - 2.2% AMR HoldCo/Emcare HoldCo, 10.0%, 2/15/15	\$ 2,289,600
4,055,000	CCC+/B3	Rural/Metro Corp., 9.875%, 3/15/15	3,852,250
1,880,000 (b)	CCC+/B3	Surgical Care Affiliates, Inc., 8.875%, 7/15/15 (144A)	1,786,000
1,475,000	CCC+/Caa1	Surgical Care Affiliates, Inc., 10.0%, 7/15/17 (144A)	1,416,000
			\$ 9,343,850
1,200,000	B-/B3	Health Care Facilities - 2.4% Community Health Systems, Inc., 8.875%, 7/15/15 (144A)	\$ 1,233,000
3,800,000	CCC+/Caa1	Hanger Orthopedic Group, Inc., 10.25%, 6/1/14	3,895,000
2,555,000 (b)	BB-/B2	HCA, Inc., 9.625%, 11/15/16 (144A)	2,727,463
130,000	B-/B3	Psychiatric Solutions, Inc., 7.75%, 7/15/15	131,625
2,000,000	B-/B3	Psychiatric Solutions, Inc., 7.75%, 7/15/15	2,025,000
			\$ 10,012,088
4,400,000	B-/Caa1	Managed Health Care - 1.0% Multiplan, Inc., 10.375%, 4/15/16 (144A)	\$ 4,400,000
		Total Health Care Equipment & Services	\$ 29,126,813
3,500,000 (1)	CCC/B3	Pharmaceuticals & Biotechnology & Life Sciences - 3.0% Biotechnology - 0.8% Angiotech Pharmaceuticals, Inc., 7.75%, 4/1/14	\$ 3,202,500
2,000,000	B-/B2	Pharmaceuticals - 2.2% Phibro Animal Health Corp., 10.0%, 8/1/13 (144A)	\$ 2,030,000
3,000,000	CCC+/Caa1	Phibro Animal Health Corp., 13.0%, 8/1/14 (144A)	3,060,000
4,317,000	B-/B3	Warner Chilcott Corp., 8.75%, 2/1/15	4,468,095
			\$ 9,558,095
		Total Pharmaceuticals & Biotechnology & Life Sciences	\$ 12,760,595

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Pioneer High Income Trust

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Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		Value
		Banks - 0.4%	
		Diversified Banks - 0.4%	
1,750,000 (a) (c)	NR/B2	ALB Finance BV, 9.375%	\$ 1,455,738
400,000 (a)	NR/Ba1	Banco Macro SA, 10.75%, 6/7/12	316,000
		Total Banks	\$ 1,771,738
		Diversified Financials - 4.9%	
		Other Diversified Financial Services - 0.1%	
605,000	B-/Caal	PGS Solutions, Inc., 9.625%, 2/15/15 (144A)	\$ 564,163
		Specialized Finance - 2.0%	
7,950,000	BBB+/Baal	GATX Financial Corp., 8.875%, 6/1/09	\$ 8,455,930
		Consumer Finance - 2.8%	
4,770,000	B-/Caal	ACE Cash Express, Inc., 10.25%, 10/1/14 (144A)	\$ 4,781,925
1,300,000	B+/Ba3	AmeriCredit Corp., 8.5%, 7/1/15 (144A)	1,150,500
3,000,000	B/B1	Ford Motor Credit Co., 7.875%, 6/15/10	2,932,572
3,000,000 (a)	B/B1	Ford Motor Credit Co., 9.81%, 4/15/12	3,104,958
		Total Diversified Financials	\$ 11,969,955
		Total Diversified Financials	\$ 20,990,048
		Insurance - 3.8%	
		Insurance Brokers - 0.9%	
3,465,000	CCC+/Caal	HUB International Holdings, Inc., 10.25%, 6/15/15 (144A)	\$ 3,222,450
885,000	CCC/Caal	U.S.I. Holdings Corp., 9.75%, 5/15/15 (144A)	794,288
		Total Insurance	\$ 4,016,738
		Life & Health Insurance - 1.3%	
5,725,000	B/B2	Presidential Life Corp., 7.875%, 2/15/09	\$ 5,725,000
		Multi-Line Insurance - 1.3%	
5,300,000	BB+/Ba1	Allmerica Financial Corp., 7.625%, 10/15/25	\$ 5,499,105
		Reinsurance - 0.3%	
750,000 (a)	BB/NR	Foundation Re, Ltd., 9.62%, 11/24/08 (144A)	\$ 729,540
500,000 (a)	B-/NR	Residential Reinsurance 2005, 14.071%, 6/6/08 (144A)	482,375
		Total Insurance	\$ 1,211,915
		Total Insurance	\$ 16,452,758
		Real Estate - 0.0%	
		Real Estate Management & Development - 0.0%	
225,000 (a)	B+/NR	Alto Palermo SA, 11.0%, 6/11/12 (144A)	\$ 194,063

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Total Real Estate

\$ 194,063

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Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited) (continued)

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		
4,450 (e)	CCC+/B2	Software & Services - 2.5% IT Consulting & Other Services - 1.0% MSX International UK/MXS International Business Services FR/MXS International GmbH, 12.5%, 4/1/12 (144A)	\$ 4,316,
640,000	CCC+/Caa1	Data Processing & Outsourced Services - 1.3% iPayment, Inc., 9.75%, 5/15/14	\$ 611,
5,745,000	CCC+/Caa1	Pegasus Solutions, Inc., 10.5%, 4/15/15 (144A)	5,170,
			\$ 5,781,
810,000	CCC+/Caa1	Application Software - 0.2% Open Solutions, Inc., 9.75%, 2/1/15 (144A)	\$ 779,
		Total Software & Services	\$ 10,877,
3,145,000	CCC+/Caa1	Technology Hardware & Equipment - 3.4% Computer Hardware - 0.6% Activant Solutions, Inc., 9.5%, 5/1/16	\$ 2,767,
11,830,000	BB/Ba1	Office Electronics - 2.8% Xerox Capital Trust I, 8.0%, 2/1/27	\$ 11,934,
		Total Technology Hardware & Equipment	\$ 14,702,
1,000,000 (a) (b)	B/B1	Semiconductors & Semiconductor Equipment - 0.7% Semiconductors - 0.7% Freescale Semiconductor, Inc., 9.875%, 12/15/14	\$ 925,
2,000,000 (1)	B/B2	Freescale Semiconductor, Inc., 10.125%, 12/15/16	1,860,
		Total Semiconductors & Semiconductor Equipment	\$ 2,785,
3,120,000	CCC+/Caa1	Telecommunication Services - 13.4% Alternative Carriers - 0.7% PAETEC Holding Corp., 9.5%, 7/15/15 (144A)	\$ 3,120,
7,149,000	B-/B2	Integrated Telecommunication Services - 2.8% Eschelon Operating Co., 8.375%, 3/15/10	\$ 7,577,
4,070,000	B-/B3	GC Impsat Holdings I Plc, 9.875%, 2/15/17 (144A)	3,835,

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691,000

NR/Baa3

Tele Norte Leste Participacoes SA,
8.0%, 12/18/13

732,

\$ 12,146,

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Pioneer High Income Trust

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		Value
4,165,000	CCC+/B3	Wireless Telecommunication Services - 9.9% Broadview Networks Holdings, Inc., 11.375%, 9/1/12 (144A)	\$ 4,321,187
1,625,000	CCC+/Caa3	Cell C Property, Ltd., 11.0%, 7/1/15 (144A)	1,373,125
2,855,000 (a)	CCC+/Caa1	Cleveland Unlimited, Inc., 13.944%, 12/15/10 (144A)	3,033,437
6,900,000	CCC/Caa1	Cricket Communications, Inc., 9.375%, 11/1/14	7,003,500
1,500,000	NR/B3	Digicel, Ltd., 9.25%, 9/1/12 (144A)	1,541,250
2,500,000 (a)	CCC+/Caa1	Hellas Telecommunications Luxembourg II, 11.11%, 1/15/15 (144A)	2,418,750
5,000,000	B-/B1	Hughes Network Systems LLC, 9.5%, 4/15/14	5,037,500
2,200,000 (d)	B+/B1	Inmarsat Finance II Plc, 0.0%, 11/15/12	2,106,500
3,200,000 (d)	B-/B3	Intelsat Intermediate Holding Co., Ltd., 0.0%, 2/1/15	2,632,000
3,230,000	BB-/Ba3	Mobile Telesystems, 9.75%, 1/30/08 (144A)	3,258,747
3,000,000 (a)	CCC/Caa2	Rural Cellular Corp., 11.106%, 11/1/12	3,060,000
3,200,000	B-/B3	Stratos Global Corp., 9.875%, 2/15/13	3,368,000
3,020,000	B/B1	True Move Co, Ltd., 10.75%, 12/16/13 (144A)	3,048,992
			----- \$ 42,202,988 -----
		Total Telecommunication Services	\$ 57,469,363 -----
		Utilities - 3.3%	
		Electric Utilities - 2.9%	
2,000,000	BB-/Ba2	Aes Chivor SA ESP, 9.75%, 12/30/14 (144A)	\$ 2,205,000
3,800,000	BB-/Ba3	Intergen NV, 9.0%, 6/30/17 (144A)	3,990,000
1,500,000	NR/NR	Mirant JPSCo. Finance, Ltd., 11.0%, 7/6/16 (144A)	1,590,000
4,324,500	NR/NR	Ormat Funding Corp., 8.25%, 12/30/20	4,394,773
			----- \$ 12,179,773 -----
		Multi-Utilities - 0.4%	
2,175,000 (a)	NR/NR	Power Contract Financing III LLC, 1.332%, 2/5/10 (144A)	\$ 1,761,750 -----
		Total Utilities	\$ 13,941,523 -----

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		TOTAL CORPORATE BONDS & NOTES (Cost \$485,556,774)	\$495,402,361 -----
		CONVERTIBLE BONDS & NOTES - 0.4% of Net Assets	
		Software & Services - 0.4%	
		Systems Software - 0.4%	
1,400,000	NR/NR	Macrovision Corp., 2.625%, 8/15/11 (144A)	\$ 1,522,500 -----
		TOTAL CONVERTIBLE BONDS & NOTES (Cost \$1,400,000)	\$ 1,522,500 -----

The accompanying notes are an integral part of these financial statements. 21

Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited) (continued)

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		
		MUNICIPAL BONDS - 7.0% of Net Assets	
		Indiana - 1.4%	
1,650,000	BBB/Ba1	East Chicago Industrial Pollution Control Revenue, 7.0%, 1/1/14	\$ 1
4,250,000	BBB/Ba1	Indiana Development Finance Authority Revenue, 5.75%, 10/1/11	4 ----- \$ 6 -----
		Michigan - 0.0%	
3,000,000	NR/NR	Wayne Charter County, Special Airport Facilities Revenue, 6.75% (In Escrow)	\$ -----
		New Jersey - 2.2%	
4,525,000	B/B3	New Jersey Economic Development Authority Revenue, 7.0%, 11/15/30	\$ 4
4,000,000+	AAA/Aaa	Tobacco Settlement Financing Corp., 7.0%, 6/1/41	4 ----- \$ 9 -----
		New York - 0.9%	
3,475,000	BB+/Ba1	New York City Industrial Development Agency, British Airways Plc Project, 7.625%, 12/1/32	\$ 3 -----
		North Carolina - 1.6%	
4,800,000	NR/NR	Charlotte, Special Facilities Revenue, Charlotte/ Douglas International Airport, 5.6%, 7/1/27	\$ 4
2,000,000	NR/NR	Charlotte, Special Facilities Revenue, Charlotte/ Douglas International Airport, 7.75%, 2/1/28	2 ----- \$ 6 -----

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3,200,000 (f)	AAA/Aa1	Texas - 0.9% San Antonio, Texas, Electric & Gas, RIB, 7.71%, 2/1/19	\$ 4
		TOTAL MUNICIPAL BONDS (Cost \$23,094,220)	\$ 30
3,300,000 (g)	NR/NR	MUNICIPAL COLLATERALIZED DEBT OBLIGATION - 0.8% of Net Assets Non-Profit Preferred Funding Trust I, 12.5%, 9/15/37	\$ 3
		TOTAL MUNICIPAL COLLATERALIZED DEBT OBLIGATION (Cost \$3,293,400)	\$ 3
ITL 4,800,000,000 (d)	BB+/Baa3	SOVEREIGN DEBT OBLIGATIONS - 2.2% of Net Assets Brazil - 0.9% Banco Nacional de Desenvolvimento Endes, 8.0%, 4/28/10	\$ 3

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Pioneer High Income Trust

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
3,515,000 (d)	CCC/Caa2	Ecuador - 0.7% Federal Republic of Ecuador, 10.0%, 8/15/30 (144A)	\$ 3,163,500
2,308,400 (d)	BBB+/Baa2	Russia - 0.6% Russia Government International Bond, 7.5%, 3/31/30	\$ 2,603,644
		TOTAL SOVEREIGN DEBT OBLIGATIONS (Cost \$6,153,527)	\$ 9,504,174
		FLOATING RATE LOAN INTERESTS - 4.2% of Net Assets (h)	
		Energy - 0.2%	
710,000	B/B3	Oil & Gas Exploration & Production - 0.2% SandRidge Energy, Inc., Term Loan, 8.985%, 4/1/14	\$ 706,450
300,000	B-/Caa1	Venoco, Inc., Second Lien Term Loan, 9.875%, 9/20/11	295,500
		Total Energy	\$ 1,001,950
		Materials - 0.5%	
2,295,500	B/B3	Steel - 0.5% Niagara Corp., Term Loan, 10.36%, 6/29/14	\$ 2,192,203

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		Total Materials	\$ 2,192,203
		Capital Goods - 0.5%	
		Building Products - 0.4%	
2,000,000	CCC+/Caal	Custom Building Products, Inc., Second Lien Term Loan, 10.505%, 4/20/12	\$ 1,900,000
		Construction & Farm Machinery & Heavy Trucks - 0.1%	
397,920	B-/B3	Rental Service Corp., Second Lien Initial Term Loan, 8.86%, 11/30/13	\$ 389,962
		Total Capital Goods	\$ 2,289,962
		Consumer Durables & Apparel - 0.5%	
		Homebuilding - 0.5%	
2,850,000	BB/Ba3	LandSource Communities Development LLC, Second Lien Term Loan, 9.999%, 2/27/14	\$ 2,213,501
		Total Consumer Durables & Apparel	\$ 2,213,501
		Consumer Services - 0.5%	
		Casinos & Gaming - 0.5%	
2,500,000	CCC+/Caal	New World Gaming Partners Holdings, Ltd., Second Lien Term Loan, 5.5%, 12/6/14	\$ 2,331,250
		Total Consumer Services	\$ 2,331,250

The accompanying notes are an integral part of these financial statements. 23

Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited) (continued)

Principal Amount USD(\$)	S&P/Moody's Ratings (unaudited)		Val
		Household & Personal Products - 0.1%	
		Household Products - 0.1%	
500,000	CCC+/Caal	Huish Detergents, Inc., Second Lien Term Loan, 9.76%, 10/26/14	\$ 428,3
		Total Household & Personal Products	\$ 428,3
		Diversified Financials - 0.7%	
		Other Diversified Financial Services - 0.7%	
EURO 2,072,421	NR/NR	Louis Topco, Ltd., Term Loan, 12.474%, 6/1/17	\$ 2,874,5
		Total Diversified Financials	\$ 2,874,5
		Insurance - 0.5%	
		Insurance Brokers - 0.5%	
2,250,000	CCC/B3	AmWins Group, Inc., Second Lien Initial Term	

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		Loan, 11.07%, 6/8/14	\$ 2,081,2
		Total Insurance	\$ 2,081,2
		Utilities - 0.7%	
817,560	B+/Ba1	Independent Power Producers & Energy Traders - 0.7%	
		NRG Energy, Inc., Credit-Linked Deposit,	
		7.11%, 2/1/13	\$ 804,0
1,964,379	B+/Ba1	NRG Energy, Inc., Term Loan, 7.11%, 2/1/13	1,931,8
		Total Utilities	\$ 2,735,8
		TOTAL FLOATING RATE LOAN INTERESTS	
		(Cost \$19,232,761)	\$ 18,148,8
		FIXED RATE LOAN INTERESTS - 0.3% of Net Assets	
		Energy - 0.3%	
		Oil & Gas Exploration & Production - 0.3%	
1,070,000	B/B3	SandRidge Energy, Inc., Term Loan,	
		8.625%, 4/1/15	\$ 1,059,3
		TOTAL FIXED RATE LOAN INTERESTS	
		(Cost \$1,070,000)	\$ 1,059,3
Shares		COMMON STOCKS - 0.4% of Net Assets	
		Transportation - 0.2%	
		Airlines - 0.2%	
62,126		Northwest Airlines Corp.	\$ 1,105,8
		Total Transportation	\$ 1,105,8
		Pharmaceuticals & Biotechnology & Life Sciences - 0.2%	
		Pharmaceuticals - 0.2%	
17,818		Teva Pharmaceutical Industries, Ltd. (A.D.R.)	\$ 792,3
		Total Pharmaceuticals & Biotechnology &	
		Life Sciences	\$ 792,3
		TOTAL COMMON STOCKS	
		(Cost \$2,886,220)	\$ 1,898,2

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

Pioneer High Income Trust

Shares	S&P/Moody's Ratings (unaudited)		Value
		WARRANTS - 0.2% of Net Assets (i)	
		Energy - 0.2%	
		Oil & Gas Drilling - 0.2%	

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2,500,000	Norse Energy Corp. ASA - CW11, Expires 7/14/11	\$ 617,825
	Total Energy	\$ 617,825
	Materials - 0.0%	
	Forest Products - 0.0%	
1,645(g)	Mandra Forestry Holdings, Ltd. - CW13, Expires 5/15/13	\$ -
	Total Materials	\$ -
	Transportation - 0.0%	
	Railroads - 0.0%	
4,525	Atlantic Express Transportation Corp., Expires 4/15/08	\$ 56,562
	Total Transportation	\$ 56,562
	TOTAL WARRANTS (Cost \$523,408)	\$ 674,387
	TEMPORARY CASH INVESTMENTS - 4.8% of Net Assets	
	Security Lending Collateral - 4.8%	
20,641,064	Securities Lending Investment Fund, 5.241%	\$ 20,641,064
	TOTAL TEMPORARY CASH INVESTMENTS (Cost \$20,641,064)	\$ 20,641,064
	TOTAL INVESTMENTS IN SECURITIES - 136.3% (Cost \$565,119,400) (j) (k)	\$ 583,376,217
	OTHER ASSETS AND LIABILITIES - (0.9)%	\$ (4,000,399)
	PREFERRED SHARES AT REDEMPTION VALUE, INCLUDING DIVIDENDS PAYABLE - (35.4)%	\$ (151,304,293)
	NET ASSETS APPLICABLE TO COMMON SHAREOWNERS - 100.0%	\$ 428,071,525

The accompanying notes are an integral part of these financial statements. 25

Pioneer High Income Trust

SCHEDULE OF INVESTMENTS 9/30/07 (unaudited) (continued)

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

(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, 2007, the value of these securities amounted to \$184,167,124 or 43.0% of total net assets applicable to common shareowners.

+ Prerefunded bonds have been collateralized by U.S. Treasury securities or U.S. Government Agencies which are held in escrow to pay interest

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and principal on the tax exempt issue and to retire the bonds in full at the earliest refunding date.

- (a) Floating rate note. The rate shown is the rate at September 30, 2007.
- (b) Represents a pay-in-kind security which may pay interest in additional principal.
- (c) Security is a perpetual bond and has no definite maturity date.
- (d) Debt obligation initially issued at one coupon which converts to a higher coupon at a specific date. The rate shown is the rate at September 30, 2007.
- (e) Security is priced as a unit.
- (f) The interest rate is subject to change periodically and inversely based upon prevailing market rates. The rate shown is the rate at September 30, 2007.
- (g) Indicates a security that has been deemed illiquid. The aggregate cost of illiquid securities is \$3,293,400. The aggregate value \$3,230,337 represents 0.8% of the net assets.
- (h) Floating rate loan interests in which the Trust invests generally pay interest at rates that are periodically redetermined by reference to a base lending rate plus a premium. These base lending rates are generally (i) the lending rate offered by one or more major European banks, such as LIBOR (London InterBank Offered Rate), (ii) the prime rate offered by one or more major United States banks, (iii) the certificate of deposit or (iv) other base lending rates used by commercial lenders. The rate shown is the coupon rate at September 30, 2007.
- (i) Non-income producing.
- (j) At September 30, 2007, the net unrealized gain on investments based on cost for federal income tax purposes of \$565,377,125 was as follows:

Aggregate gross unrealized gain for all investments in which there is an excess of value over tax cost	\$31,171,710
Aggregate gross unrealized loss for all investments in which there is an excess of tax cost over value	(13,172,618)
Net unrealized gain	----- \$17,999,092 =====

For financial reporting purposes net unrealized gain was \$18,256,817 and cost of investments aggregated \$565,119,400.

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Pioneer High Income Trust

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(k) Distribution of investments by country of issue, as a percentage of total holdings, is as follows:

United States	74.1%
Canada	4.1
Norway	3.6
Brazil	3.5
Great Britain	2.7
Netherlands	1.7
Mexico	1.5
Cayman Islands	1.4
Luxembourg	1.2
Germany	1.0
Bermuda	0.9
Virgin Islands	0.9
Australia	0.6
Ecuador	0.5
Thailand	0.5
Russia	0.5
Colombia	0.4
Jamaica	0.3
South Africa	0.2
Singapore	0.2
Israel	0.1
Argentina	0.1

	100.0%
	=====

(l) At September 30, 2007, the following securities were out on loan:

Principal Amount	Description	Market Value
\$ 2,605,000	Angiotech Pharmaceuticals, Inc., 7.75%, 4/1/14	\$ 2,383,575
5,905,350	Cooper-Standard Automotive, Inc., 8.375%, 12/15/14	5,137,655
1,980,000	Freescale Semiconductor, Inc., 10.125%, 12/15/16	1,841,400
1,569,490	Georgia Gulf Corp., 10.75%, 10/15/16	1,365,456
4,568,850	Sally Holdings LLC, 10.5%, 11/15/16	4,568,850
1,341,200	TOUSA, Inc., 10.375%, 7/1/12*	365,477
1,000,000	Trump Entertainment Resorts, Inc., 8.5%, 6/1/15	832,500
3,168,000	Yankee Acquisition Corp., 9.75%, 2/15/17	2,993,760

		\$19,488,673
		=====

* Awaiting pending sale, not part of portfolio at period end.

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

EURO Euro
ITL Italian Lira
NOK Norwegian Krone

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(A.D.R.) American Depositary Receipt
RIB Residual Interest Bonds

Purchases and sales of securities (excluding temporary cash investments) for the six months ended September 30, 2007, aggregated \$95,292,488 and \$31,798,532, respectively.

The accompanying notes are an integral part of these financial statements. 27

Pioneer High Income Trust

STATEMENT OF ASSETS AND LIABILITIES 9/30/07 (unaudited)

ASSETS:

Investments in securities, at value (including securities loaned of \$19,488,673) (cost \$565,119,400)	\$583,376,217
Foreign currencies, at value (cost \$719,304)	682,481
Receivables -	
Investment securities sold	8,379,974
Paydowns	9,436
Interest and foreign tax reclaim	13,916,245
Reinvestment of distributions	222,594
Prepaid expenses	30,305

Total assets	\$606,617,252

LIABILITIES:

Payables -	
Investment securities purchased	\$ 5,197,996
Upon return of securities loaned	20,641,064
Forward foreign currency portfolio hedge contracts - net	629,215
Unrealized depreciation on unfunded loan commitment	18,693
Due to custodian	347,728
Due to affiliate	291,146
Accrued expenses	115,592

Total liabilities	\$ 27,241,434

PREFERRED SHARES AT REDEMPTION VALUE:

\$25,000 liquidation value per share applicable to 6,040 shares, including dividends payable of \$304,293	\$151,304,293

NET ASSETS APPLICABLE TO COMMON SHAREOWNERS:

Paid-in capital	\$387,328,662
Undistributed net investment income	9,702,990
Accumulated net realized gain on investments and foreign currency transactions	13,446,757
Net unrealized gain on investments	18,238,124
Net unrealized loss on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	(645,008)

Net assets applicable to common shareowners	\$428,071,525
	=====

NET ASSET VALUE PER SHARE:

No par value (unlimited number of shares authorized)

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Based on \$428,071,525/27,162,946 common shares \$ 15.76
=====

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

Pioneer High Income Trust

STATEMENT OF OPERATIONS (unaudited)

For the Six Months Ended 9/30/07

INVESTMENT INCOME:

Interest	\$ 27,671,415	
Dividends (net of foreign taxes withheld \$555)	2,912	
Income from securities loaned, net	55,647	

Total investment income		\$ 27,729,974

EXPENSES:

Management fees	\$ 1,774,580	
Administrative reimbursements	51,759	
Transfer agent fees and expenses	29,564	
Auction agent fees	201,297	
Custodian fees	39,605	
Registration fees	11,478	
Professional fees	34,806	
Printing expense	21,816	
Trustees' fees	7,285	
Pricing fee	10,300	
Miscellaneous	14,910	

Total expenses		\$ 2,197,400
Less fees paid indirectly		(8)

Net expenses		\$ 2,197,392

Net investment income		\$ 25,532,582

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

Net realized gain (loss) from:		
Investments	\$ 5,377,414	
Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	(1,202,225)	\$ 4,175,189
	-----	-----
Change in net unrealized gain (loss) from:		
Investments	\$(27,279,414)	
Unfunded corporate loans	(18,693)	
Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	558,210	\$(26,739,897)
	-----	-----
Net loss on investments and foreign currency transactions		\$ (22,564,708)

DISTRIBUTIONS TO PREFERRED SHAREOWNERS FROM
NET INVESTMENT INCOME

\$ (4,105,362)

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Net decrease in net assets applicable to common shareowners resulting from operations	----- \$ (1,137,488) =====
---	----------------------------------

The accompanying notes are an integral part of these financial statements. 29

Pioneer High Income Trust

 STATEMENTS OF CHANGES IN NET ASSETS

For the Six Months Ended 9/30/07 and the Year Ended 3/31/07, respectively

	Six Months Ended 9/30/07 (unaudited)	Year Ended 3/31/07
FROM OPERATIONS:		
Net investment income	\$ 25,532,582	\$ 50,707,850
Net realized gain on investments and foreign currency transactions	4,175,189	16,283,907
Change in net unrealized gain (loss) on investments and foreign currency transactions	(26,739,897)	792,354
Dividends and distributions to preferred shareowners from:		
Net investment income	(4,105,362)	(7,327,339)
Net realized gains	-	(351,876)
	-----	-----
Net increase (decrease) in net assets applicable to common shareowners resulting from operations	\$ (1,137,488)	\$ 60,104,896
	-----	-----
DIVIDENDS AND DISTRIBUTIONS TO COMMON SHAREOWNERS:		
Net investment income (\$0.83 and \$1.65 per share, respectively)	\$ (22,376,491)	\$ (44,546,595)
Net realized capital gains (\$0.00 and \$0.09 per share, respectively)	-	(2,298,583)
	-----	-----
Total distributions to common shareowners	\$ (22,376,491)	\$ (46,845,178)
	-----	-----
FROM TRUST SHARE TRANSACTIONS:		
Reinvestment of distributions	\$ 1,141,147	\$ 2,755,523
	-----	-----
Net increase in net assets applicable to common shareowners resulting from Trust share transactions	\$ 1,141,147	\$ 2,755,523
	-----	-----
Net increase (decrease) in net assets applicable to common shareowners	\$ (22,372,832)	\$ 16,015,241
NET ASSETS APPLICABLE TO COMMON SHAREOWNERS:		
Beginning of period	450,444,357	434,429,116
	-----	-----
End of period	\$ 428,071,525	\$ 450,444,357

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Undistributed net investment income	=====	=====
	\$ 9,702,990	\$ 10,652,261
	=====	=====

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

Pioneer High Income Trust

FINANCIAL HIGHLIGHTS

	Six Months Ended 9/30/07 (unaudited)	Year Ended 3/31/07	Year Ended 3/31/06	3
Per Common Share Operating Performance				
Net asset value, beginning of period	\$ 16.63	\$ 16.13	\$ 16.34	\$
Increase (decrease) from investment operations:(a)				
Net investment income	\$ 0.94	\$ 1.88	\$ 1.88	\$
Net realized and unrealized gain (loss) on investments and foreign currency transactions	(0.83)	0.64	0.00 (d)	
Dividends and distributions to preferred shareowners from:				
Net investment income	(0.15)	(0.27)	(0.19)	
Realized gains	-	(0.01)	(0.02)	
Net increase (decrease) from investment operations	\$ (0.04)	\$ 2.24	\$ 1.67	\$
Dividends and distributions to common shareowners from:				
Net investment income	(0.83)	(1.65)	(1.65)	
Realized gains	-	(0.09)	(0.23)	
Capital charge with respect to issuance of:				
Common shares	-	-	-	
Preferred shares	-	-	-	
Net increase (decrease) in net asset value	\$ (0.87)	\$ 0.50	\$ (0.21)	\$
Net asset value, end of period(e)	\$ 15.76	\$ 16.63	\$ 16.13	\$
Market value, end of period(e)	\$ 16.74	\$ 17.84	\$ 16.80	\$
Total return (f)	(1.28)%	17.61%	24.84%	
Ratios to average net assets of common shareowners				
Net expenses(g)	1.00%(h)	1.01%	0.99%	
Net investment income before preferred share dividends	11.58%(h)	11.57%	11.68%	
Preferred share dividends	1.86%(h)	1.67%	1.19%	
Net investment income available to common shareowners	9.72%(h)	9.90%	10.49%	
Portfolio turnover	6%	27%	20%	

The accompanying notes are an integral part of these financial statements. 31

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Pioneer High Income Trust

 FINANCIAL HIGHLIGHTS

	Six Months Ended 9/30/07 (unaudited)	Year Ended 3/31/07	Year Ended 3/31/06	3
Per Common Share Operating Performance (continued)				
Net assets of common shareowners, end of period (in thousands)	\$ 428,072	\$ 450,444	\$ 434,429	\$
Preferred shares outstanding (in thousands)	\$ 151,000	\$ 151,000	\$ 151,000	\$
Asset coverage per preferred share, end of period	\$ 95,923	\$ 99,597	\$ 96,940	\$
Average market value per preferred share	\$ 25,000	\$ 25,000	\$ 25,000	\$
Liquidation value, including dividends payable, per preferred share	\$ 25,050	\$ 25,020	\$ 25,015	\$
Ratios to average net assets of common shareowners before reimbursement of organization expenses				
Net expenses (g)	1.00%(h)	1.01%	0.99%	
Net investment income before preferred share dividends	11.58%(h)	11.57%	11.68%	
Preferred share dividends	1.86%(h)	1.67%	1.19%	
Net investment income available to common shareowners	9.72%(h)	9.90%	10.49%	

- (a) The per common share data presented above is based upon the average common shares outstanding for the periods presented.
- (b) Trust shares were first publicly offered on April 26, 2002.
- (c) Net asset value immediately after the closing of the first public offering was \$14.30.
- (d) Amount is less than \$0.01 per common share.
- (e) 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.
- (f) 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. Total investment returns less than a full period are not annualized. Past performance is not a guarantee of future results.
- (g) Ratios do not reflect the effect of dividend payments to preferred shareowners.
- (h) Annualized.

The information above represents the 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.

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

Pioneer High Income Trust

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NOTES TO FINANCIAL STATEMENTS 9/30/07 (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 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.

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. 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 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, and the reported amounts of income, expenses and gains and losses on investments during the reporting year. Actual results could differ from those estimates.

The following is a summary of significant accounting policies followed by the Trust in the preparation of its financial statements, which are

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Pioneer High Income Trust

NOTES TO FINANCIAL STATEMENTS 9/30/07 (unaudited)

(continued)

consistent with those policies generally accepted in the investment company industry:

A. Security Valuation

Security transactions are recorded as of trade date. Senior Loans 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

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more brokers or dealers as obtained from Loan Pricing Corporation. For the limited number of Senior Loans for which no reliable price quotes are available, such Senior Loans will be valued by Loan Pricing Corporation through the use of pricing matrices to determine valuations.

Fixed-income securities are valued at prices supplied by independent pricing services, which consider such factors as Treasury spreads, yields, maturities and ratings. Valuations may be supplemented by values obtained from dealers and other sources, as required. Equity securities are valued at the last sale price on the principal exchanges where they are traded. Securities or loans for which market quotations are not readily available are valued at their fair values as determined by, or under the direction of, the Board of Trustees. Trading in foreign securities is substantially completed each day at various times prior to the close of the NYSE. The values of such securities used in computing the net asset value of the Trust's shares are determined as of such times. The Trust may also use the fair value of a security, including a non-U.S. security, when the closing market price on the primary exchange where the security is traded no longer accurately reflects the value of the security as of the close of the exchange. As of September 30, 2007, the Trust had no fair valued securities. Temporary cash investments are valued at either amortized cost or net asset value.

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. Discount and premium on debt securities are accreted or amortized, respectively, daily, on an effective yield to maturity basis and are included in interest income. Premiums and discounts

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Pioneer High Income Trust

related to certain mortgage-backed securities are amortized or accreted in proportion to the underlying monthly paydowns. Interest income, including income on interest bearing cash accounts, is recorded on an accrual basis.

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 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 price of those securities but are included with the net realized and unrealized gain or loss on investments.

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C. Forward Foreign Currency Contracts

The Trust enters into forward foreign currency contracts (contracts) for the purchase or sale of a specific foreign currency at a fixed price on a future date as a hedge or cross-hedge against either specific investment transactions (settlement hedges) or portfolio positions (portfolio hedges). 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 contract and from unanticipated movements in the value of foreign currencies relative to the U.S. dollar (see Note 5).

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Pioneer High Income Trust

NOTES TO FINANCIAL STATEMENTS 9/30/07 (unaudited) (continued)

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 all of its taxable income and net realized capital gains, if any, to its shareowners. Therefore, no federal income tax provision is required.

The amounts and characterizations of distributions to shareowners for financial reporting purposes are determined in accordance with federal income tax rules. Therefore, the source of the Trust's distributions may be shown in the accompanying financial statements as either from or in excess of net investment income or net realized gain 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. The distribution during the year ended March 31, 2007 was as follows:

	2007
Distributions paid from:	
Ordinary Income	\$ 51,873,934
Net long-term capital gains	2,650,459

Total taxable distribution	\$ 54,524,393 =====

The following shows components of distributable earnings on a federal income tax basis at March 31, 2007.

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	2007
Undistributed ordinary income	\$ 12,689,853
Long-term capital gain	7,928,680
Dividends payable	(123,078)
Unrealized appreciation	43,761,387

Total	\$ 64,256,842
	=====

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Pioneer High Income Trust

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

E. Repurchase Agreements

With respect to repurchase agreements entered into by the Trust, the value of the underlying securities (collateral), including accrued interest received from counterparties, is required to be at least equal to or in excess of the repurchase agreement at the time of purchase. The collateral for all repurchase agreements is held in safekeeping in the customer-only account of the Trust's custodian, or subcustodians. Pioneer Investment Management, Inc., the Trust's investment adviser, 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, with the Trust's custodian acting as the lending agent. When entering into a loan, the Trust receives collateral which is maintained by the custodian and earns income in the form of negotiated lenders' fees. The Trust also continues to receive interest or payments in lieu of dividends on the securities loaned. Unrealized 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 loans are secured by collateral of at least 102%, at all times, of the fair value of the securities loaned. The amount of the collateral will be adjusted daily to reflect any price fluctuation in the value of the loaned securities. The Trust has the right under the securities lending arrangement to recover the securities on loan from the borrower on demand. The Trust invests cash collateral in the Securities Lending Investment Fund which is sponsored by

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Brown Brothers Harriman & Co., the Trust's custodian.

Pioneer High Income Trust

NOTES TO FINANCIAL STATEMENTS 9/30/07 (unaudited) (continued)

G. Automatic Dividend Reinvestment Plan

All common shareowners 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 respect to any subsequently declared dividend or other distribution.

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, 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

Pioneer High Income Trust

shares in a brokerage account may not be able to transfer the shares to another broker and continue to participate in the Plan.

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2. Management Agreement

Pioneer Investment Management, Inc. ("PIM"), a wholly owned indirect subsidiary of UniCredito Italiano S.p.A. ("UniCredito Italiano"), 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" is the average daily value of the Trust's total assets minus the sum of the Trust's liabilities, which liabilities exclude debt related to leverage, short-term debt and the aggregate liquidation preference of any outstanding preferred shares. For the six months ended September 30, 2007, the net management fee was equivalent to 0.60% of the Trust's average daily managed assets, which was equivalent to 0.81% 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, 2007, \$291,146 was payable to PIM related to management costs, administrative costs and certain other services and is included in "Due to affiliate" on the Statement of Assets and Liabilities.

PIM has retained Princeton Administrators, LLC ("Princeton") to provide certain administrative services to the Trust on its behalf. PIM pays Princeton a monthly fee at an annual rate of 0.07% of the average daily value of the Trust's 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. Princeton receives no compensation directly from the Trust.

3. Transfer Agents

Pioneer Investment Management Shareholder Services, Inc. ("PIMSS"), a wholly owned indirect subsidiary of UniCredito Italiano, 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 redemption agent with respect to the Trust's Auction Market Preferred

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Pioneer High Income Trust

NOTES TO FINANCIAL STATEMENTS 9/30/07 (unaudited) (continued)

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, 2007, the Trust expenses were reduced by \$8 under such arrangement.

5. Forward Foreign Currency Contracts

During the six months ended September 30, 2007, the Trust had entered into contracts that obligate the Trust to deliver currencies at specified future

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dates. At the maturity of a contract, the Trust must make delivery of the foreign currency. Alternatively, prior to the settlement date of contracts, the Trust may close out such contracts by entering into an offsetting hedge contract.

Open portfolio hedges at September 30, 2007 were as follows:

Currency	Net Contracts to Deliver	In Exchange For US\$	Settlement Date	US\$ Value	Net Unrealized Gain (Loss)
EURO	(4,000,000)	\$ (5,492,488)	2/4/08	\$ (5,699,134)	\$ (206,646)
EURO	(5,950,000)	(8,059,632)	6/11/08	(8,482,201)	(422,569)
Total					\$ (629,215)

As of September 30, 2007, the Trust had no outstanding forward currency settlement hedges.

6. Unfunded Loan Commitments

As of September 30, 2007, the Trust had unfunded loan commitments of approximately \$717,000 which could be extended at the option of the borrower, pursuant to the following loan agreements:

Borrower	Unfunded Commitment (in thousands)
NRG Holdings, Inc., HoldCo Delayed Draw Term Loan	\$ 717

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Pioneer High Income Trust

7. Trust Shares

There are an unlimited number of common shares of beneficial interest authorized. Of the 27,162,946 common shares of beneficial interest outstanding at September 30, 2007, PIM owned 6,981 shares.

Transactions in common shares of beneficial interest for the six months ended September 30, 2007 and the year ended March 31, 2007 were as follows:

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	9/2007	3/2007
Shares outstanding at beginning of period	27,093,609	26,931,420
Reinvestment of distributions	69,337	162,189
Shares outstanding at end of period	27,162,946	27,093,609

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, 2007, 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. Dividend rates ranged from 4.95% to 6.50% during the six months ended September 30, 2007.

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, asset coverage with respect to the outstanding preferred shares would be less than 200%.

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

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Pioneer High Income Trust

NOTES TO FINANCIAL STATEMENTS 9/30/07 (unaudited) (continued)

liabilities of the Trust as set forth in the Agreement and Declaration of Trust 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. However, 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,

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among other things, changes in the Trust's subclassification as a closed-end management investment company or changes in its fundamental investment restrictions.

8. New Pronouncements

In September 2006, Statement of Financial Accounting Standards No. 157, Fair Value Measurements ("SFAS 157"), was issued and is effective for fiscal years beginning after November 15, 2007. SFAS 157 defines fair value, establishes a framework for measuring fair value and expands disclosures about fair value measurements. At this time, management is currently evaluating the implications of SFAS 157 and its impact on the Trust's financial statement disclosures, if any, has not been determined.

9. Subsequent Events

Subsequent to September 30, 2007, the Board of Trustees of the Trust declared a dividend from undistributed net investment income of \$0.1375 per common share payable October 31, 2007, to shareowners of record on October 15, 2007.

Subsequent to September 30, 2007, dividends declared and paid on preferred shares totaled \$696,385 in aggregate for the three outstanding preferred share series through November 6, 2007.

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Pioneer High Income Trust

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 which have not been approved by the shareowners. There have been no changes in the principal risk factors associated with investment in the Trust. Day-to-day management of the Trust's portfolio is the responsibility of Andrew Feltus. Mr. Feltus is supported by the fixed income team. Members of this team manage other Pioneer funds investing primarily in fixed income securities. The portfolio manager and the team also may draw upon the research and investment management expertise of the global research team, which provides fundamental research on companies and includes members from Pioneer's affiliate, Pioneer Investment Management Limited. Mr. Feltus, a vice president, joined Pioneer in 1994 and has been an investment professional for more than 10 years.

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.

Additional Information Regarding the Trust's Investment Policies

Event-Linked Bonds

The Trust may invest in "event-linked" bonds, which sometimes are referred to as "insurance-linked" or "catastrophe" bonds. Event-linked bonds are debt obligations for which the return of principal and the payment of interest are

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contingent on the non-occurrence of a pre-defined "trigger" event, such as a hurricane or an earthquake of a specific magnitude. For some event-linked bonds, the trigger event's magnitude may be based on losses to a company or industry, industry indexes or readings of scientific instruments rather than specified actual losses. If a trigger event, as defined within the terms of an event-linked bond, involves losses or other metrics exceeding a specific magnitude in the geographic region and time period specified therein, the Trust may lose a portion or all of its accrued interest and/or principal invested in such event-linked bond. The Trust is entitled to receive principal and interest payments so long as no trigger event occurs of the description and magnitude specified by the instrument.

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Pioneer High Income Trust

NOTES TO FINANCIAL STATEMENTS 9/30/07 (unaudited) (continued)

Event-linked bonds may be issued by government agencies, insurance companies, reinsurers, special purpose corporations or other on-shore or off-shore entities. In addition to the specified trigger events, event-linked bonds may also expose the Trust to other risks, including but not limited to issuer (credit) default, adverse regulatory or jurisdictional interpretations and adverse tax consequences. Event-linked bonds are subject to the risk that the model used to calculate the probability of a trigger event was not accurate and underestimated the likelihood of a trigger event. Upon the occurrence or possible occurrence of a trigger event, and until the completion of the processing and auditing of applicable loss claims, the Trust's investment in such event-linked bond may be priced using fair value methods. As a relatively new type of financial instrument, there is limited trading history for these securities, and there can be no assurance that a more liquid market in these instruments will develop.

Event-linked bonds are typically rated by at least one nationally recognized rating agency, but also may be unrated. The rating for an event-linked bond primarily reflects the rating agency's calculated probability that a pre-defined trigger event will occur. This rating also assesses the event-linked bond's credit risk and model used to calculate the probability of a trigger event.

CEO CERTIFICATION DISCLOSURE (unaudited)

The Trust's Chief Executive Officer has submitted to the New York Stock Exchange the annual CEO certification as required by Section 303A.12(a) of the NYSE Listed Company Manual. In addition, the Trust has filed with the Securities and Exchange Commission the certification of its Chief Executive Officer and Chief Financial Officer required by Section 302 of the Sarbanes-Oxley Act.

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Pioneer High Income Trust

RESULTS OF SHAREOWNER MEETING (unaudited)

On September 11, 2007, Pioneer High Income Trust held its annual meeting of

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shareowners to elect Class II Trustees. All Class II Trustees were elected. Here are the detailed results of the votes.

Proposal 1 - To elect Class II Trustees.

Nominee	Affirmative	Withheld
David R. Bock	24,423,450	283,027
Stephen K. West	24,416,488	289,989
John F. Cogan, Jr.+	4,467	18

+ Elected by Preferred Shares only

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Pioneer High Income Trust

TRUSTEES, OFFICERS AND SERVICE PROVIDERS

Trustees

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

Officers

John F. Cogan, Jr., President
Daniel K. Kingsbury, Executive
Vice President
Vincent Nave, Treasurer
Dorothy E. Bourassa, 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

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Sub-Administrator
Princeton Administrators, LLC

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 www.pioneerinvestments.com. This information is also available on the Securities and Exchange Commission's web site at <http://www.sec.gov>.

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This page for your notes.

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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

General inquiries, lost dividend checks,
change of address, lost stock certificates,
stock transfer

Write to

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.

The Trust's Chief Executive Officer is required by the New York Stock Exchange's Listing Standards to file annually with the Exchange a certification that he is not aware of any violation by the Trust of the Exchange's Corporate Governance Standards applicable to the Trust. The Trust has filed such certification.

ITEM 2. CODE OF ETHICS.

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(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.

(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,

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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 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.

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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

(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

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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.

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

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AUDIT COMMITTEE APPROVAL POLICY

AUDIT COMMITTEE
REPORTING POLICY

- | | |
|---|---|
| <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> o A summary of all such services and related fees reported at each regularly scheduled Audit Committee meeting. |
| <ul style="list-style-type: none"> o "One-time" pre-approval for the fund fiscal year within a specified dollar limit for all pre-approved specific service subcategories | <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 limit for these services (see general Audit Committee approval policy below for details on obtaining specific approvals) | |
| <ul style="list-style-type: none"> 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

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REPORTING POLICY

- 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 specified dollar limits) reported quarterly.
- 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 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

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- 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 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"
- o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly.

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

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REPORTING POLICY

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- 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.
 - 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 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

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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)). 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.

N/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.

Information not required in semi annual reports on form NCSR.

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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.

Information not required in semi annual reports on form NCSR.

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.

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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 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.

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(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.

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, 2007

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, 2007

By (Signature and Title)* /s/ Vincent Nave
Vincent Nave, Treasurer

Date November 29, 2007

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