

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Pioneer Diversified High Income Trust
Form N-CSR
June 29, 2010

OMB APPROVAL
OMB Number: 3235-0570
Expires: August 31, 2010
Estimated average burden
hours per response.....18.9

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

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-22014

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

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

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

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

Date of fiscal year end: April 30

Date of reporting period: May 1, 2009 through April 30, 2010

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

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

ITEM 1. REPORTS TO SHAREOWNERS.

Pioneer Diversified
High Income Trust

Annual Report | April 30, 2010

Ticker Symbol: HNW

[LOGO] PIONEER
Investments (R)

visit us: pioneerinvestments.com

Table of Contents

Letter to Shareowners	2
Portfolio Management Discussion	4
Portfolio Summary	8
Prices and Distributions	9
Performance Update	10
Schedule of Investments	11
Financial Statements	39
Financial Highlights	43
Notes to Financial Statements	44
Report of Independent Registered Public Accounting Firm	53
Additional Information	54
Approval of Investment Advisory Agreement	56
Trustees, Officers and Service Providers	60

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 1

President's Letter

Dear Shareowner,

Stock and bond markets around the globe have begun to recover over the past year from one of their most tumultuous periods in history. This is a welcome relief, and we are generally optimistic about the prospects for the economy going forward. Still, challenges remain. Unemployment is high; consumer demand and loan growth are weak; and housing has not returned to normal.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

At Pioneer, we have long advocated the benefits of investing for the long term. This strategy has generally performed well for many investors. Those who remained invested in the market during the downturn have most likely seen their portfolios start to recover over the past year, as the Dow Jones Industrial Average climbed back from the depressed levels we saw in early 2009. Many bond investors have similarly seen a strong rebound, with a broad-based recovery occurring across many different fixed-income asset classes. The riskiest asset classes, such as high-yield bonds, outperformed other fixed-income asset classes during most of 2009.

At Pioneer, we are not changing the approach to investing that we have used for more than 80 years. We remain focused on company fundamentals and risk management. Our investment process is based on careful research into individual companies, quantitative analysis, and active portfolio management. This three-pillared process, which we apply to each of our portfolios, is supported by an integrated team approach and is designed to carefully balance risk and reward. While we see potential opportunities for making money in many corners of the markets around the globe, it takes research and experience to separate solid investment opportunities from speculation.

Following this difficult period, many investors are rethinking their approach to investing and risk management. Some are questioning whether the basic investment principles they were taught in the past are still useful in today's markets. Complicating matters is that financial markets remain unpredictable. Our advice, as always, is to work closely with a trusted financial advisor to discuss your goals and work together to develop an investment strategy that meets your individual needs. There is no single best strategy that works for every investor.

2 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

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

Sincerely,

/s/ Daniel K. Kingsbury

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

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 3

Portfolio Management Discussion | 4/30/10

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Mounting evidence of strengthening economies, both domestic and foreign, led to a strong recovery in the prices of credit-sensitive securities during the 12 months ending April 30, 2010. Corporate high-yield bonds, bank loans and other securities carrying credit risk rebounded from depressed levels over the 12-month period as investors grew more confident in an economic recovery. In the following discussion, Andrew Feltus and Jonathan Sharkey discuss the factors that influenced the performance of Pioneer Diversified High Income Trust during the 12-month period ended April 30, 2010. Mr. Feltus and Mr. Sharkey are members of Pioneer's fixed-income team and leaders of the investment team responsible for the daily management of the Trust.

Q How did the Trust perform during the 12 months ended April 30, 2010?

A Pioneer Diversified High Income Trust performed very well, producing a total return of 62.09% at net asset value and 73.25% at market price, while the Trust's customized benchmark returned 36.26%. The Trust's customized benchmark is based on a 50% weighting of the Bank of America/Merrill Lynch Global High Yield and Emerging Markets Plus Index (BofA ML GHY-EMP Index), which gained 40.25% over the 12 month-period, and a 50% weighting of the CSFB Leveraged Loan Index, which gained 32.26%. On April 30, 2010, the Trust's distribution rate was 9.38%, based on the most recent monthly dividend and the market closing price on April 30, 2010, and its 30-day SEC yield was 9.21%. As of April 30, 2010, the Trust was selling at a premium of market price to net asset value of 1.4%.

Q What were the principal factors that contributed to the Trust's performance over the 12 months ended April 30, 2010?

A As confidence in an economic resurgence returned to the capital markets, domestic high-yield bonds and floating-rate bank loans sharply recovered in price, delivering robust returns to investors. A rally that began in March of 2009 continued throughout the 12 months ended April 30, 2010, with only brief interruptions in momentum, as investors sought out opportunities to gain higher yields in securities that had been selling at depressed prices. The economy, as reflected by gross domestic product (GDP), began growing again and corporate profits began rising. Even unemployment, typically a lagging indicator of economic progress, appeared to begin to improve in the final months of the 12-month period.

Throughout the 12 months, the Trust placed heavy emphasis on domestic high-yield bonds and bank loans, which comprised 34.7% and 24.9% of the Trust's total investment portfolio, respectively, as of April 30, 2010.

4 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

The Trust had an additional 19.2% of its total investment portfolio in international high-yield and emerging market debt, and a small, but growing allocation to non-government agency mortgage-backed securities. For diversification, the Trust also had 14.9% of its total investment portfolio invested in floating-rate, catastrophe-linked insurance bonds.

The strong returns achieved by the Trust's investments were amplified by the Trust's increased use of borrowed funds, or leverage. Improved conditions in the credit markets allowed the Trust to refinance its debt and enter a new loan agreement that effectively reduced the cost of borrowing. The Trust was able to redeploy the borrowed funds into the rising market. Leverage represented approximately 29% of the Trust's total assets.

Q How did the Trust's investment strategy affect performance over the 12 months

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

ended April 30, 2010?

- A High-yield corporate bonds and emerging market debt produced particularly strong returns during the period, and the Trust's positioning in both sectors contributed substantially to the solid returns. Floating-rate bank loans, while trailing the high-yield sector, also delivered healthy returns. Relative to the BofA ML GHY-EMP Index, the Trust was substantially underweighted in Europe and in investments denominated in the euro currency; that positioning helped when government debt problems in Europe, most notably in Greece, pressured European investments. While 17% of the BofA ML GHY-EMP Index was represented by the euro bloc, the Trust had just 3.7% of its total investment portfolio allocated to the euro bloc and other European currencies, and part of that was invested in Norwegian currency, which proved more resilient than the euro.

During the 12-month period, we began adding to the Trust's investments in catastrophe-linked, re-insurance bonds. While those bonds underperformed high-yield corporates and bank loans, they offered the Trust diversification protection and the advantages of floating-rate yields, which should offer the potential for higher income when interest rates eventually start rising. We also began adding non-agency mortgage-backed securities to the Trust's portfolio, as they appeared to be selling at attractive relative values and also offered the advantages of floating rates. At the end of the period, more than 50% of the Trust's total investment portfolio was held in floating-rate securities.

- Q What types of individual investments most influenced the Trust's performance results during the 12 months ended April 30, 2010?

- A Security selection in the Trust's investments in both high-yield bonds and bank loans was very good. Among bonds of capital goods companies, two standouts were: Lear, a manufacturer of components for the automotive industry that was reorganized after filing for bankruptcy; and Commercial

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 5

Vehicle Group, a manufacturer of parts for the truck industry. In the materials sector, Noranda, a U.S. aluminum producer, did very well. Among the Trust's bond holdings in the financial sector, there were excellent results from investments in securities of Wells Fargo, PNC Financial, and investment bank Goldman Sachs. In the emerging markets, bond holdings of Minerva and Grupo Bertin, two Brazilian beef companies, appreciated significantly, supported by improving conditions in emerging markets, rising commodity prices and the appreciation in value of Brazil's currency.

One disappointing investment for the Trust was Pegasystems, a software producer for the travel business that is undergoing a restructuring after defaulting on its bond in January of 2010. While almost all other high-yield bond investments performed positively, the Trust's investments in securities from the health care and utilities sectors -- two less cyclical groups -- tended to underperform the overall market.

Among the Trust's bank loan holdings, a notable strong performer was the senior debt of Ceva Logistics, as the company strengthened its balance sheet. Two loans to an aviation service company, DAE Aviation & Standard Aero, also fared quite well. The firm benefited when the demand for aircraft maintenance services increased as the global economy recovered. One disappointing loan investment for the Trust, however, was the debt of Calpine, the giant energy company. The loan declined slightly in value after the company announced it would not be paying down its debt, contrary

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

to market expectations.

Q What is your investment outlook?

A We believe the economic recovery will continue to advance in 2010, which should lead to growing corporate profits, which in turn should support the performance of both high-yield corporate bonds and floating-rate bank loans. At this point, it is difficult to anticipate the investment environment in 2011, however, as the market will be reacting to anticipated tax increases included as embodied in the phase-in of national health care reform legislation, as well as tighter monetary policy in China and tighter fiscal policy in Europe. In the near term, economic fundamentals look healthy. In the high-yield market, bond prices still appear attractive, especially after a market pullback shortly after the end of the Trust's 12-month reporting period.

Looking forward, we expect that as the economy continues to recover, interest rates will start rising. We plan to position the Trust's portfolio for this eventuality by increasing investments in floating-rate securities, including bank loans, event-linked insurance bonds, and non-government agency mortgage-backed securities -- all of which have the ability to increase the Trust's income as yields rise.

6 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

In general, we do not anticipate a repeat of the robust returns delivered in the past year. As we look to the future, we think fundamental analysis and individual security selection should be increasingly important elements in achieving good performance. We think this type of market plays to Pioneer's long-term strengths in credit research and analysis.

Please refer to the Schedule of Investments on pages 11-38 for a full listing of Trust securities.

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

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

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

The Trust may invest significantly 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 also are more difficult to value, and investment of the Trust's assets in illiquid securities may restrict the Trust's ability to take advantage of market opportunities.

The Trust is authorized to borrow from banks and issue debt securities, which are forms of leverage. 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.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Risks of investing in the Trust are discussed in greater detail in the Trust's original offering prospectus and in shareowner reports from time to time.

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

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 7

Portfolio Summary | 4/30/10

Portfolio Diversification

(As a percentage of total investment portfolio)

[THE FOLLOWING DATA WAS REPRESENTED AS A PIE CHART IN THE PRINTED MATERIAL]

Corporate Bonds & Notes (Catastrophe-linked Bonds 14.9%)	62.4%
Floating Rate Loan Interests	24.9%
Temporary Cash Investments	5.9%
Convertible Bonds & Notes	2.5%
Asset Backed Securities	2.1%
Collateralized Mortgage Obligations	0.8%
Common Stock	0.8%
Sovereign Debt Obligations	0.4%
Convertible Preferred Stock	0.2%
Rights/Warrants*	0.0%

* Amount is less than 0.1%.

Portfolio Quality

(As a percentage of total investment portfolio; based on S&P ratings)

[THE FOLLOWING DATA WAS REPRESENTED AS A PIE CHART IN THE PRINTED MATERIAL]

A & Higher	1.8%
BBB	1.5%
BB	28.0%
B	38.1%
CCC & Lower	13.0%
Not Rated	11.7%
Cash Equivalents	5.9%

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

10 Largest Holdings

(As a percentage of long-term holdings) *

1.	Muteki, Ltd., 4.65%, 5/24/11 (144A)	1.08%
2.	Atlas Reinsurance Plc, 10.885%, 1/10/11 (144A)	0.90
3.	Residential Reinsurance 2008, Ltd., 11.752%, 6/6/11 (144A)	0.88
4.	Green Valley, Ltd., 4.24%, 1/10/11 (144A)	0.88
5.	SunGard Data Systems, Inc., Tranche A U.S. Term Loan, 2.001%, 2/28/14	0.83
6.	Blue Fin, Ltd., 4.695%, 4/10/12 (144A)	0.83
7.	Calpine Corp., First Priority Term Loan, 3.165%, 3/29/14	0.83
8.	Alliance One International, Inc., 10.0%, 7/15/16 (144A)	0.83
9.	U.S.I. Holdings Corp., Tranche B Term Loan, 3.05%, 5/5/14	0.80
10.	Fhu-Jin, Ltd., 4.244%, 8/10/11 (144A)	0.76

* 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.

8 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Prices and Distributions | 4/30/10

Market Value per Common Share

4/30/10	4/30/09
\$ 20.46	\$ 13.23

Net Asset Value per Common Share

4/30/10	4/30/09
\$ 20.17	\$ 13.94

Distributions per Common Share: 5/1/09-4/30/10

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Net Investment Income	Tax Return of Capital	Short-Term Capital Gains	Long-Term Capital Gains
\$ 1.686	\$ 0.324	\$ --	\$ --

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 9

Performance Update | 4/30/10

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 Diversified High Income Trust, compared to that of the combined (50%/50%) Bank of America/Merrill Lynch Global High Yield and Emerging Market Plus Index and CSFB Leveraged Loan Index.

Cumulative Total Returns (As of April 30, 2010)

Period	Net Asset Value	Market Price
Life-of-Trust (5/30/07)	22.83%	18.99%
1 Year	62.09	73.25

[THE FOLLOWING DATA WAS REPRESENTED AS A MOUNTAIN CHART IN THE PRINTED MATERIAL]

Value of \$10,000 Investment

	Pioneer Diversified High Income Trust	50% BofA/ML Global HY and EM Plus Index 50% CSFB Leveraged Loan Index
5/07	10,000	10,000
4/08	10,061	9,879
4/09	7,577	8,422
4/10	11,899	11,487

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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 per common share is total assets less total liabilities, which includes bank borrowing, 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.

The Bank of America/Merrill Lynch Global High Yield and Emerging Markets Plus Index tracks the performance of the below- and border-line investment-grade global debt markets denominated in the major developed market currencies. The Index includes sovereign issuers rated BBB1 and lower along with corporate issues rated BB1 and lower. There are no restrictions on issuer country of domicile. The CSFB Leveraged Loan Index is designed to mirror the investible universe of the U.S. dollar-denominated leveraged loan market. The CSFB Leveraged Loan Index consists of tradable term loans with at least one year to maturity and rated BBB or lower.

Index returns are calculated monthly, assume reinvestment of dividends and, unlike Trust returns, do not reflect any fees, expenses or sales charges. The indices are not leveraged. You cannot invest directly in an index.

10 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Schedule of Investments | 4/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		ASSET BACKED SECURITIES -- 3.0% of Net Assets	
		CONSUMER SERVICES -- 0.3%	
		Restaurants -- 0.3%	
100,000	BB+/Baa3	DB Master Finance LLC, 5.779%, 6/20/31 (144A)	\$ 98,00
500,000	BB-/Ba3	DB Master Finance LLC, 8.285%, 6/20/31 (144A)	459,10
		Total Consumer Services	\$ 557,10
		BANKS -- 2.1%	
		Thriffs & Mortgage Finance -- 2.1%	
246,741 (a)	AA+/Aa1	Ace Securities Corp., 1.162%, 12/25/34	\$ 189,09

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

1,387,846 (a)	AAA/Aaa	Bayview Financial Acquisition Trust, 0.85%, 5/28/44	1,218,11
807,330 (a)	AAA/Aaa	Bayview Financial Acquisition Trust, 0.85%, 8/28/44	727,44
200,000 (a)	A/B3	Carrington Mortgage Loan Trust, 0.363%, 10/25/36	161,52
699,000 (a)	BBB+/Caa2	Carrington Mortgage Loan Trust, 0.463%, 2/25/37	396,09
531,697 (a)	B/NR	Countrywide Asset-Backed Certificates, 0.713%, 3/25/47 (144A)	233,15
250,000 (a)	B-/Ba2	GSAMP Trust, 0.393%, 1/25/37	214,48
128,531 (a)	A/A2	GSAMP Trust, 0.693%, 3/25/35	125,77
630,691 (a)	CC/Caa2	Lehman XS Trust, 0.613%, 12/25/35	184,33
Total Banks			\$ 3,450,01

DIVERSIFIED FINANCIALS -- 0.6%			
Consumer Finance -- 0.1%			
242,512 (a)	B-/B3	Novastar Home Equity Loan, 0.363%, 3/25/37	\$ 231,21

Other Diversified Financial Services -- 0.4%			
1,214,101 (a)	B-/Caa1	Aircraft Finance Trust, 0.734%, 5/15/24 (144A)	\$ 558,48
147,159 (a)	B-/Ba3	Aircraft Finance Trust, 0.754%, 5/15/24 (144A)	110,37
			\$ 668,85

Specialized Finance -- 0.1%			
150,000	BBB-/Baa3	Dominos Pizza Master Issuer LLC, 5.261%, 4/25/37 (144A)	\$ 138,86
Total Diversified Financials			\$ 1,038,93

TOTAL ASSET BACKED SECURITIES			
(Cost \$5,268,817) \$ 5,046,05			

COLLATERALIZED MORTGAGE OBLIGATIONS -- 1.2% of Net Assets			
BANKS -- 1.2%			
Thriffs & Mortgage Finance -- 1.2%			
315,632 (a)	CCC/Caa2	Countrywide Alternative Loan Trust, 5.5%, 11/25/35	\$ 241,01
266,565 (a)	CCC/B3	Countrywide Home Loans, 0.613%, 3/25/35	72,57
540,176 (a)	CC/Ca	Downey Savings and Loan Association Mortgage Loan Trust, 0.626%, 10/19/45	203,47
364,569 (a)	D/Ca	Downey Savings and Loan Association Mortgage Loan Trust, 0.676%, 10/19/45	56,08
1,181,824 (a)	AAA/A3	Impac CMB Trust, 1.023%, 1/25/35	861,52

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 11

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
144,187 (a)	D/Caa2	Thriffs & Mortgage Finance -- (continued) Impac Secured Assets CMN Owner Trust, 0.353%, 11/25/36	\$ 1

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

706,397 (a)	CC/Ca	Luminent Mortgage Trust, 0.523%, 7/25/36	
410,174 (a)	AAA/Aa1	WaMu Mortgage Pass-Through Certificates, 0.493%, 4/25/45	3
Total Banks			\$ 1,9

TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$2,717,420)			\$ 1,9

CORPORATE BONDS & NOTES -- 90.9% of Net Assets			
ENERGY -- 9.1%			
Coal & Consumable Fuels -- 1.6%			
850,000 (m)	BB/Ba3	Bumi Capital Pte, Ltd., 12.0%, 11/10/16 (144A)	\$ 9
738,000	BB-/B1	Drummond Co., Inc., 9.0%, 10/15/14 (144A)	7
420,000	NR/B2	Indo Integrated Energy II BV, 9.75%, 11/5/16 (144A)	4
505,000	BB-/B2	Massey Energy Co., 6.875%, 12/15/13	4

			\$ 2,6

Oil & Gas Drilling -- 0.4%			
NOK 1,500,000	NR/NR	Petrolia Drilling ASA, 12.0%, 6/20/12 (144A)	\$ 1
500,000	B/B3	Pioneer Drilling Co., 9.875%, 3/15/18 (144A)	5

			\$ 6

Oil & Gas Equipment & Services -- 1.4%			
520,000	B+/B1	Expro Finance Luxembourg SCA, 8.5%, 12/15/16 (144A)	\$ 5
65,067 (b)	NR/NR	Nexus 1 Pte., Ltd., 10.5%, 3/7/12 (144A)	7
1,120,000	CCC/NR	Oceanografia SA de CV, 11.25%, 7/15/15 (144A)	7
600,000 (a)	NR/NR	Sevan Marine ASA, 3.619%, 5/14/13 (144A)	4
NOK 3,000,000 (a)	NR/NR	Sevan Marine ASA, 7.92%, 10/24/12 (144A)	4
154,800	NR/NR	Skeie Drilling & Production ASA, 11.25%, 3/8/13 (144A)	1

			\$ 2,3

Oil & Gas Exploration & Production -- 3.9%			
505,000	B+/B2	Berry Petroleum Co., 10.25%, 6/1/14	\$ 5
125,000	BB/Ba3	Chesapeake Energy Corp., 9.5%, 2/15/15	1
374,000	BB/B1	Denbury Resources, Inc., 8.25%, 2/15/20	4
970,000	BB-/B2	Hilcorp Energy I LP, 9.0%, 6/1/16 (144A)	9
685,000	B/B3	Linn Energy LLC, 11.75%, 5/15/17 (144A)	7
NOK 2,500,000	NR/NR	Norwegian Energy Co. AS, 12.9%, 11/20/14	4
NOK 3,000,000 (a)	NR/NR	PA Resources AB, 9.82%, 3/9/11	4
650,000	B+/NR	Pacific Rubiales Energy Corp., 8.75%, 11/10/16 (144A)	7
225,000	B/Caa1	PetroQuest Energy, Inc., 10.375%, 5/15/12	2
240,000	B-/B3	Quicksilver Resources, Inc., 7.125%, 4/1/16	2

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

12 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Principal Amount	S&P/Moody's Ratings
------------------	---------------------

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

USD (\$)	(unaudited)		Value
		Oil & Gas Exploration & Production -- (continued)	
472,000	B+/Caa1	Rosetta Resources, Inc., 9.5%, 4/15/18 (144A)	\$ 48
335,000	B+/B3	SandRidge Energy, Inc., 8.0%, 6/1/18 (144A)	32
670,000 (c)	B+/B3	SandRidge Energy, Inc., 8.625%, 4/1/15	67

			\$ 6,47
		Oil & Gas Refining & Marketing -- 0.8%	
1,310,000	B/B2	Petroplus Finance, Ltd., 9.375%, 9/15/19 (144A)	\$ 1,25
		Oil & Gas Storage & Transportation -- 1.0%	
500,000	B+/B1	Holly Energy Partners LP, 6.25%, 3/1/15	\$ 47
1,245,000 (a)	BB/Ba1	Southern Union Co., 7.2%, 11/1/66	1,16

			\$ 1,63
		Total Energy	\$ 15,00
		MATERIALS -- 10.7%	
		Aluminum -- 0.9%	
600,000 (b)	NR/NR	Asia Aluminum Holdings, Ltd., 8.0%, 12/23/11 (144A)	\$ 7
300,000	CCC+/B3	CII Carbon LLC, 11.125%, 11/15/15 (144A)	30
1,282,402 (a) (c)	CCC/Caa1	Noranda Aluminum Acquisition Corp., 5.274%, 5/15/15	1,10

			\$ 1,48
		Commodity Chemicals -- 0.2%	
300,000	NR/NR	Montell Finance Co. BV, 8.1%, 3/15/27 (144A)	\$ 29
		Construction Materials -- 0.6%	
865,000	CCC+/B3	AGY Holding Corp., 11.0%, 11/15/14	\$ 76
300,000 (a) (d)	B-/NR	C8 Capital SPV, Ltd., 6.64% (144A)	21

			\$ 9
		Diversified Chemicals -- 0.9%	
EURO 1,275,000	CCC-/Caa3	Ineos Group Holdings Plc, 7.875%, 2/15/16 (144A)	\$ 1,41
		Diversified Metals & Mining -- 1.8%	
343,608 (c)	NR/NR	Blaze Recycling & Metals LLC, 13.0%, 7/16/12	\$ 27
195,000	B/B2	FMG Finance Pty., Ltd., 10.625%, 9/1/16 (144A)	22
750,000	NR/Ba3	Prime Dig Pte, Ltd., 11.75%, 11/3/14 (144A)	82
745,000	BBB/Baa3	Teck Resources, Ltd., 10.25%, 5/15/16	89
750,000	BB/Ba2	Vedanta Resources Plc, 9.5%, 7/18/18 (144A)	82

			\$ 3,04
		Forest Products -- 0.5%	
732,000 (m)	BB/Ba2	Sino-Forest Corp., 10.25%, 7/28/14 (144A)	\$ 80
		Metal & Glass Containers -- 0.9%	
1,145,000	CCC+/B2	AEP Industries, Inc., 7.875%, 3/15/13	\$ 1,13
EURO 255,000	NR/NR	Ardagh Glass Finance Plc, 9.25%, 7/1/16 (144A)	37

			\$ 1,51

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 13

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Val
<hr/>			
		Paper Packaging -- 1.5%	
750,103 (c) (e)	NR/NR	Corporacion Durango SAB de CV, 6.0%, 8/27/16	\$
700,000	CCC+/Caa1	Graham Packaging Co., Inc., 9.875%, 10/15/14	
500,000 (m)	B-/B3	Graphic Packaging International, Inc., 9.5%, 8/15/13	
750,000	B/NR	U.S. Corrugated, Inc., 10.0%, 6/1/13	\$
<hr/>			
		Paper Products -- 1.2%	
500,000	B+/B1	Appleton Papers, Inc., 10.5%, 6/15/15 (144A)	\$
425,000	B+/B1	Cellu Tissue Holdings, Inc., 11.5%, 6/1/14	
260,000	BB/Ba3	Clearwater Paper Corp., 10.625%, 6/15/16 (144A)	
600,000	B-/B3	Exopack Holding Corp., 11.25%, 2/1/14	\$
<hr/>			
		Precious Metals & Minerals -- 0.3%	
500,000 (m)	B+/Ba3	ALROSA Finance SA, 8.875%, 11/17/14 (144A)	\$
<hr/>			
		Steel -- 1.9%	
1,245,000	CCC+/Caa2	Algoma Acquisition Corp., 9.875%, 6/15/15 (144A)	\$
450,000	B+/B3	Essar Steel Algoma, Inc., 9.375%, 3/15/15 (144A)	
250,000	B/B2	Evrax Group SA, 8.875%, 4/24/13 (144A)	
250,000	B/B2	Evrax Group SA, 9.5%, 4/24/18 (144A)	
920,000	CCC+/Caa1	Ryerson, Inc., 12.0%, 11/1/15	
EURO 50,000	CC/Ca	Zlomrex International Finance SA, 8.5%, 2/1/14 (144A)	\$
<hr/>			
		Total Materials	\$ 1
<hr/>			
		CAPITAL GOODS -- 6.6%	
		Aerospace & Defense -- 0.8%	
750,000	B-/NR	Aeroflex, Inc., 11.75%, 2/15/15	\$
405,000	BB/Ba3	DigitalGlobe, Inc., 10.5%, 5/1/14 (144A)	
90,000	B/B1	GeoEye, Inc., 9.625%, 10/1/15 (144A)	\$
<hr/>			
		Building Products -- 0.3%	
EURO 200,000 (a) (d)	B-/NR	C10 - EUR Capital SPV, Ltd., 6.277%	\$
365,000	BB/B1	USG Corp., 9.75%, 8/1/14 (144A)	\$

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

350,000	BB-/Ba3	Construction & Engineering -- 0.5%	\$
500,000	B/B2	Dycom Industries, Inc., 8.125%, 10/15/15	
		Esco Corp., 8.625%, 12/15/13 (144A)	\$

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

14 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		V
720,000	BB-/Caa1	Construction & Farm Machinery & Heavy Trucks -- 1.7%	\$
770,000	CCC/Caa3	American Railcar Industries, Inc., 7.5%, 3/1/14	
950,000	CCC/Caa2	Commercial Vehicle Group, Inc., 8.0%, 7/1/13	
189,000	BB-/Caa1	Greenbrier Companies, Inc., 8.375%, 5/15/15	
300,000	B-/B2	Manitowoc Co., Inc., 9.5%, 2/15/18	
		Titan International, Inc., 8.0%, 1/15/12	\$
500,000	B-/NR	Industrial Conglomerates -- 0.7%	\$
500,000 (b)	NR/NR	Cia Latinoamericana de Infraestructura & Servicios SA, 9.75%, 5/10/12	
740,000	CCC+/Caa1	Indalex Holding Corp., 11.5%, 2/1/14	\$
		Park-Ohio Industries, Inc., 8.375%, 11/15/14	\$
1,220,000	B-/NR	Industrial Machinery -- 1.2%	\$
875,000	B-/B3	Industrias Metalurgicas Pescarmona SA, 11.25%, 10/22/14 (144A)	
		Mueller Water Products, Inc., 7.375%, 6/1/17	\$
150,000	B/B3	Trading Companies & Distributors -- 1.4%	\$
1,090,000	B-/B3	Avis Budget Car Rental LLC/Avis Budget Finance, Inc., 9.625%, 3/15/18 (144A)	
1,000,000	B/B1	Intcomex, Inc., 13.25%, 12/15/14 (144A)	\$
		Wesco Distribution, Inc., 7.5%, 10/15/17	\$
		Total Capital Goods	\$
400 (f)	NR/B3	COMMERCIAL & PROFESSIONAL SERVICES -- 0.4%	\$
		Diversified Support Services -- 0.2%	
		MSX International, Ltd., UK, 12.5%, 4/1/12 (144A)	\$
		Environmental & Facilities Services -- 0.2%	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

	700,000 (b)	D/NR	Aleris International, Inc., 10.0%, 12/15/16	\$
	210,000	B+/B2	Casella Waste Systems, Inc., 11.0%, 7/15/14 (144A)	
EURO	107,128	CCC+/Caa1	New Reclamation Group Pty., Ltd., 8.125%, 2/1/13 (144A)	

Total Commercial & Professional Services

			TRANSPORTATION -- 0.9%	
			Air Freight & Logistics -- 0.6%	
	929,000 (m)	CCC/Caa1	CEVA Group PLC, 11.5%, 4/1/18 (144A)	\$

			Airlines -- 0.2%	
	305,000	BB-/Ba2	Delta Air Lines, Inc., 9.5%, 9/15/14 (144A)	\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 15

Schedule of Investments | 4/30/10 (continued)

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

			Railroads -- 0.1%	
	240,000	B+/B2	Kansas City Southern de Mexico, 7.625%, 12/1/13	\$

Total Transportation

			AUTOMOBILES & COMPONENTS -- 1.6%	
			Auto Parts & Equipment -- 1.4%	
	980,000 (m)	CCC+/Caa2	Allison Transmission, Inc., 11.0%, 11/1/15 (144A)	\$
	160,000	CCC/Caa1	Stanadyne Corp., 10.0%, 8/15/14	
	500,000 (e)	CCC-/Caa3	Stanadyne Corp., 12.0%, 2/15/15	
	700,000 (m)	CCC+/Caa2	Tenneco, Inc., 8.625%, 11/15/14	\$

			Tires & Rubber -- 0.2%	
	235,000	B+/B1	Goodyear Tire & Rubber Co., 10.5%, 5/15/16	\$

Total Automobiles & Components

			CONSUMER DURABLES & APPAREL -- 1.3%	
			Homebuilding -- 0.7%	
	430,000	BB-/Ba3	Desarrolladora Homex SA de CV, 9.5%, 12/11/19 (144A)	\$
	695,000	B+/B1	Meritage Homes Corp., 6.25%, 3/15/15	

Housewares & Specialties -- 0.6%

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

1,000,000	CCC+/Caa1	Yankee Acquisition Corp., 9.75%, 2/15/17	\$
		Total Consumer Durables & Apparel	\$
<hr/>			
		CONSUMER SERVICES -- 2.6%	
		Casinos & Gaming -- 2.4%	
500,000 (b)	NR/NR	Buffalo Thunder Development Authority, 9.375%, 12/15/14 (144A)	\$
EURO 1,155,000	B/B2	Codere Finance Luxembourg SA, 8.25%, 6/15/15 (144A)	
395,000	B/B3	FireKeepers Development Authority, 13.875%, 5/1/15 (144A)	
95,000	B/B3	Galaxy Entertainment Finance Co., Ltd., 9.875%, 12/15/12 (144A)	
275,000 (b)	D/Ca	Little Traverse Bay Bands of Odawa Indians, 10.25%, 2/15/14 (144A)	
1,615,000 (b)	D/NR	Mashantucket Western Pequot Tribe, 8.5%, 11/15/15 (144A)	
EURO 500,000	B/B3	Peermont Global, Ltd., 7.75%, 4/30/14 (144A)	
180,000	BB-/B1	Scientific Games International, Inc., 9.25%, 6/15/19	
423,000	BB-/B1	Scientific Games International, Inc., 9.25%, 6/15/19 (144A)	
585,000 (b)	D/NR	Station Casinos, Inc., 6.625%, 3/15/18	
			\$

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

16 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		
350,000	B-/B3	Specialized Consumer Services -- 0.2%	
		StoneMor Operating LLC/Cornerstone Family Services/Osiris Holdings, 10.25%, 12/1/17 (144A)	
		Total Consumer Services	
<hr/>			
		MEDIA -- 3.9%	
		Advertising -- 1.0%	
716,000	B+/B2	MDC Partners, Inc., 11.0%, 11/1/16 (144A)	
800,000	B-/Caa2	Sitel LLC/Sitel Finance Corp., 11.5%, 4/1/18 (144A)	
<hr/>			
		Broadcasting -- 2.6%	
182,676 (m)	B/B2	CCH II LLC, 13.5%, 11/30/16	
840,000	B/B1	Hughes Network Systems LLC, 9.5%, 4/15/14	
903,125 (c)	CCC+/Caa3	Intelsat Bermuda, Ltd., 11.5%, 2/4/17	
500,000	B+/B3	Intelsat Subsidiary Holding Co., Ltd., 8.5%, 1/15/13	
430,000	B-/Caa1	Telesat Canada, 12.5%, 11/1/17	
1,379,155 (c) (m)	CCC/Caa2	Univision Communications, Inc., 9.75%,	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

3/15/15 (144A)

	600,000	CCC+/Caa2	Publishing -- 0.3% Cengage Learning Acquisitions, Inc., 10.5%, 1/15/15 (144A)
			Total Media
			RETAILING -- 1.1% Apparel Retail -- 0.1%
EURO	75,000 (a)	B+/B2	Edcon Holdings Pty., Ltd., 3.9%, 6/15/14 (144A)
EURO	74,000 (a)	CCC+/Caa1	Edcon Holdings Pty., Ltd., 6.15%, 6/15/15 (144A)
	640,000	B/B1	Internet Retail -- 0.5% Ticketmaster Entertainment, Inc., 10.75%, 7/28/16
	800,000 (m)	B-/Caa1	Specialty Stores -- 0.5% Sally Holdings LLC, 10.5%, 11/15/16
			Total Retailing
	950,000	B+/B3	FOOD, BEVERAGE & TOBACCO -- 4.9% Agricultural Products -- 0.6% Southern States Cooperative, Inc., 11.25%, 5/15/15 (144A)
	650,000	NR/B1	Packaged Foods & Meats -- 3.0% Bertin Ltda, 10.25%, 10/5/16 (144A)
	491,000 (m)	NR/B2	Corporacion Pesquera Inca SAC, 9.0%, 2/10/17 (144A)
	750,000	B-/B3	FAGE Dairy Industry SA/FAGE USA Dairy Industry, Inc., 9.875%, 2/1/20 (144A)

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 17

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Val
		Packaged Foods & Meats -- (continued)	
209,088 (m)	NR/NR	Independencia International, Ltd., 12.0%, 12/30/16 (144A)	\$
475,000	B+/B1	Marfrig Overseas, Ltd., 9.5%, 5/4/20 (144A)	
700,000	B+/B1	Marfrig Overseas, Ltd., 9.625%, 11/16/16 (144A)	
1,175,000	B-/B3	Minerva Overseas, Ltd., 9.5%, 2/1/17 (144A)	1
275,000	B-/B3	Minerva Overseas II, Ltd., 10.875%, 11/15/19 (144A)	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

275,000 (e)	NR/B2	SA Fabrica de Produtos Alimenticios Vigor, 9.25%, 2/23/17 (144A)	\$ 4
<hr/>			
250,000	B+/NR	Tobacco -- 1.3% Alliance One International, Inc., 10.0%, 7/15/16 (144A)	\$ 1
1,765,000	B+/B2	Alliance One International, Inc., 10.0%, 7/15/16 (144A)	\$ 2
<hr/>			
Total Food, Beverage & Tobacco			\$ 8
<hr/>			
300,000	B-/B3	HOUSEHOLD & PERSONAL PRODUCTS -- 0.2% Personal Products -- 0.2% Revlon Consumer Products Corp., 9.75%, 11/15/15 (144A)	\$ 1
Total Household & Personal Products			\$ 1
<hr/>			
750,000	CCC+/Caa2	HEALTH CARE EQUIPMENT & SERVICES -- 4.4% Health Care Equipment & Services -- 0.5% Accellent, Inc., 10.5%, 12/1/13	\$ 1
<hr/>			
378,000	B-/B3	Health Care Services -- 2.3% BioScrip, Inc., 10.25%, 10/1/15 (144A)	\$ 1
1,385,000 (m)	BB-/NR	DASA Finance Corp., 8.75%, 5/29/18 (144A)	\$ 1
796,459 (c)	B-/B3	Surgical Care Affiliates, Inc., 8.875%, 7/15/15 (144A)	\$ 1
1,170,000 (m)	CCC+/Caa1	Surgical Care Affiliates, Inc., 10.0%, 7/15/17 (144A)	\$ 3
<hr/>			
750,000	B/Caa1	Health Care Supplies -- 1.3% Bausch & Lomb, Inc., 9.875%, 11/1/15	\$ 1
1,265,000 (c)	B-/B3	Biomet, Inc., 10.375%, 10/15/17	\$ 2
<hr/>			
500,000	B-/Caa1	Managed Health Care -- 0.3% Multiplan, Inc., 10.375%, 4/15/16 (144A)	\$ 1
Total Health Care Equipment & Services			\$ 7
<hr/>			

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

18 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

			PHARMACEUTICALS & BIOTECHNOLOGY & LIFE SCIENCES -- 0
			Life Sciences Tools & Services -- 0.2%
	131,406 (c)	B/Caa1	Catalent Pharma Solutions, Inc., 9.5%, 4/15/15
	290,000	B+/B3	PharmaNet Development Group, Inc., 10.875%, 4/15/17 (144A)
<hr style="border-top: 1px dashed #000;"/>			
	250,000	B/B2	Pharmaceuticals -- 0.3%
	200,000	CCC+/Caa1	Phibro Animal Health Corp., 10.0%, 8/1/13 (144A)
			Phibro Animal Health Corp., 13.0%, 8/1/14 (144A)
<hr style="border-top: 1px dashed #000;"/>			
			Total Pharmaceuticals & Biotechnology & Life Sciences
<hr style="border-top: 1px dashed #000;"/>			
			BANKS -- 2.1%
			Diversified Banks -- 1.4%
	250,000	NR/Ba1	ATF Capital BV, 9.25%, 2/21/14 (144A)
	500,000 (a)	NR/B2	Banco Macro SA, 9.75%, 12/18/36
	700,000	NR/Ba2	Banco Macro SA, 10.75%, 6/7/12
BRL	350,000	AAA/NR	International Finance Corp., 9.25%, 3/15/13
	200,000 (b)	D/NR	JSC TemirBank, 9.5%, 5/21/14 (144A)
	550,000	B+/Ba3	Russian Standard Finance SA, 7.5%, 10/7/10 (144A)
	500,000 (b)	D/C	TuranAlem Finance BV, 8.5%, 2/10/15 (144A)
<hr style="border-top: 1px dashed #000;"/>			
			Regional Banks -- 0.7%
	600,000 (a) (d)	BBB/Baa3	PNC Financial Services Group, Inc., 8.25%
	500,000 (a) (d)	A-/Ba1	Wells Fargo Capital XV, 9.75%
<hr style="border-top: 1px dashed #000;"/>			
			Total Banks
<hr style="border-top: 1px dashed #000;"/>			
			DIVERSIFIED FINANCIALS -- 5.4%
			Asset Management & Custody Banks -- 0.6%
	375,000	BB+/Baa3	Janus Capital Group, Inc., 6.5%, 6/15/12
	665,000	BB+/Baa3	Janus Capital Group, Inc., 6.95%, 6/15/17
<hr style="border-top: 1px dashed #000;"/>			
			Consumer Finance -- 0.2%
EURO	200,000	B+/B1	TVN Finance Corp II AB, 10.75%, 11/15/17 (144A)
<hr style="border-top: 1px dashed #000;"/>			
			Investment Banking & Brokerage -- 0.2%
	450,000 (a) (d)	BBB/Baa2	Goldman Sachs Capital II, 5.793%
<hr style="border-top: 1px dashed #000;"/>			
			Other Diversified Financial Services -- 1.9%
EURO	500,000 (a)	BB-/NR	ATLAS VI Capital, Ltd., 10.135%, 4/6/13 (144A)
	1,000,000 (a)	B+/NR	Ibis Re, Ltd., 9.407%, 5/3/13 (144A)
	400,000 (a)	BB-/NR	Ibis Re, Ltd., 10.507%, 5/10/12 (144A)
	1,000,000 (a)	NR/B1	Redwood Capital XI, Ltd., 6.407%, 1/7/11 (144A)
<hr style="border-top: 1px dashed #000;"/>			

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 19

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		V
		Specialized Finance -- 2.5%	
575,000	B-/Caa1	ACE Cash Express, Inc., 10.25%, 10/1/14 (144A)	\$
500,000	BB/Baa3	Capital One Capital V, 10.25%, 8/15/39	
1,000,000 (a)	B-/NR	Montana Re, Ltd., 13.502%, 12/7/12 (144A)	
425,000	B+/B2	National Money Mart Co., 10.375%, 12/15/16 (144A)	
755,000 (a)	CCC+/Caa1	NCO Group, Inc., 5.125%, 11/15/13	
900,000	CCC+/Caa2	NCO Group, Inc., 11.875%, 11/15/14	
		Total Diversified Financials	\$
		INSURANCE -- 22.1%	
		Insurance Brokers -- 1.6%	
250,000	CCC/Caa1	Alliant Holdings I, Inc., 11.0%, 5/1/15 (144A)	\$
1,050,000	CCC+/Caa1	HUB International Holdings, Inc., 10.25%, 6/15/15 (144A)	
827,000 (a)	CCC/B3	U.S.I. Holdings Corp., 4.125%, 11/15/14 (144A)	
804,000	CCC/Caa1	U.S.I. Holdings Corp., 9.75%, 5/15/15 (144A)	\$
		Multi-Line Insurance -- 1.3%	
1,000,000 (a)	BB/Baa3	Liberty Mutual Group, Inc., 7.0%, 3/15/37 (144A)	\$
1,000,000 (a)	BB/Baa3	Liberty Mutual Group, Inc., 10.75%, 6/15/58 (144A)	
65,000	BB-/NR	Sul America Participacoes SA, 8.625%, 2/15/12 (144A)	\$
		Reinsurance -- 19.2%	
1,500,000 (a)	BB+/NR	AKIBARE, 3.201%, 5/22/12 (144A)	\$
1,000,000 (a)	BB+/NR	AKIBARE, 3.401%, 5/22/12 (144A)	
EURO 1,500,000 (a)	B-/NR	Atlas Reinsurance Plc, 10.885%, 1/10/11 (144A)	
2,000,000 (a)	BB+/NR	Blue Fin, Ltd., 4.695%, 4/10/12 (144A)	
1,000,000 (a)	BB-/NR	Blue Fin, Ltd., 13.804%, 4/16/12 (144A)	
1,000,000 (a)	BB/NR	Caelus Re, Ltd., 6.502%, 6/7/11 (144A)	
1,750,000 (a)	B-/NR	Carillon, Ltd., 15.507%, 1/10/11 (144A)	
1,500,000 (a)	BB/NR	East Lane Re, Ltd., 7.249%, 5/6/11 (144A)	
1,750,000 (a)	BB+/NR	Fhu-Jin, Ltd., 4.149%, 8/10/11 (144A)	
1,000,000 (a)	BB+/NR	Foundation Re III, Ltd., 5.806%, 2/3/14 (144A)	
1,000,000 (a)	NR/B1	GlobeCat, Ltd., 6.292%, 1/2/13 (144A)	
350,000 (a)	NR/B3	GlobeCat, Ltd., 9.542%, 1/2/13 (144A)	
EURO 1,500,000 (a)	BB+/NR	Green Valley, Ltd., 4.24%, 1/10/11 (144A)	
600,000 (a)	BB+/NR	Merna Reinsurance II, Ltd., 3.807%, 4/8/13 (144A)	
250,000 (a)	B/NR	MultiCat Mexico, Ltd., Series 2009-I Class A, 11.657%, 10/19/12 (144A)	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

250,000 (a) B/NR MultiCat Mexico, Ltd., Series 2009-I Class B,
10.407%, 10/19/12 (144A)

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

20 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

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

		Reinsurance -- (continued)	
250,000 (a)	B/NR	MultiCat Mexico, Ltd., Series 2009-I Class C, 10.407%, 10/19/12 (144A)	\$
250,000 (a)	BB-/NR	MultiCat Mexico, Ltd., Series 2009-I Class D, 10.407%, 10/19/12 (144A)	
2,500,000 (a)	NR/Ba2	Muteki, Ltd., 4.65%, 5/24/11 (144A)	2
500,000 (a)	BB/NR	Mystic Re II, Ltd., 12.252%, 3/20/12 (144A)	
1,000,000 (a)	NR/B1	Nelson Re, Ltd., 4.75%, 6/6/11 (144A)	
1,000,000 (a)	BB+/NR	Newton Re, Ltd., 4.932%, 12/24/10 (144A)	
1,000,000 (a)	BB/NR	Newton Re, Ltd., 7.232%, 12/24/10 (144A)	
425,000 (a)	BB-/NR	Residential Reinsurance 2008, Ltd., 7.002%, 6/6/11 (144A)	
2,000,000 (a)	B-/NR	Residential Reinsurance 2008, Ltd., 11.752%, 6/6/11 (144A)	1
1,000,000	NR/NR	Successor X, Ltd., 0.0%, 12/9/10 (144A)	
600,000	B-/NR	Successor X, Ltd., 0.0%, 12/9/10 (144A)	
500,000 (a)	B-/NR	Successor X, Ltd., 9.907%, 4/4/13 (144A)	
1,250,000 (a)	NR/NR	Successor X, Ltd., 11.907%, 4/4/13 (144A)	1
500,000 (a)	NR/NR	Successor X, Ltd., 16.907%, 4/4/13 (144A)	
500,000 (a) (b)	D/NR	Willow Re, Ltd., 0.0%, 6/16/10 (144A)	

			\$ 31

		Total Insurance	\$ 36

		REAL ESTATE -- 0.3%	
		Real Estate Operating Companies -- 0.3%	
76,705	B-/NR	Alto Palermo SA, 11.0%, 6/11/12 (144A)	\$
410,000	B-/NR	IRSA Inversiones y Representaciones SA, 8.5%, 2/2/17 (144A)	

		Total Real Estate	\$

		SOFTWARE & SERVICES -- 2.8%	
		Application Software -- 0.8%	
1,390,000	CCC+/Caa2	Vangent, Inc., 9.625%, 2/15/15	\$ 1

		Data Processing & Outsourced Services -- 0.8%	
1,465,000 (m)	B-/Caa1	First Data Corp., 9.875%, 9/24/15	\$ 1

		Internet Software & Services -- 0.6%	
905,000 (e)	B-/B1	Terremark Worldwide, Inc., 12.0%, 6/15/17 (144A)	\$ 1

		IT Consulting & Other Services -- 0.3%	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

405,000	CCC/Caa1	Activant Solutions, Inc., 9.5%, 5/1/16	\$
<hr/>			
684,999 (c) (g)	NR/NR	Systems Software -- 0.3% Pegasus Solutions, Inc., 13.0%, 4/15/14 (144A)	\$
<hr/>			
		Total Software & Services	\$ 4

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 21

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Val
430,000	BB+/Baa3	TECHNOLOGY HARDWARE & EQUIPMENT -- 0.8% Computer Storage & Peripherals -- 0.3% Seagate Technology International, 10.0%, 5/1/14 (144A)	\$
250,000	B/B1	Electronic Equipment & Instruments -- 0.5% Da-Lite Screen Co., Inc., 9.5%, 5/15/11	\$
486,000	B/B1	Da-Lite Screen Co., Inc., 12.5%, 4/1/15 (144A)	\$
<hr/>			
		Total Technology Hardware & Equipment	\$ 1
<hr/>			
945,000	B/B2	TELECOMMUNICATION SERVICES -- 6.6% Alternative Carriers -- 0.6% Global Crossing, Ltd., 12.0%, 9/15/15 (144A)	\$ 1
<hr/>			
910,000	CCC+/B3	Integrated Telecommunication Services -- 3.0% Broadview Networks Holdings, Inc., 11.375%, 9/1/12	\$
388,000	B-/B2	Cincinnati Bell, Inc., 8.75%, 3/15/18	1
1,250,000	BB-/B2	GCI, Inc., 7.25%, 2/15/14	1
750,000	B/B1	PAETEC Holding Corp., 8.875%, 6/30/17	1
1,010,000	CCC+/Caa1	PAETEC Holding Corp., 9.5%, 7/15/15	1
500,000	B+/Ba3	Windstream Corp., 8.625%, 8/1/16	\$ 4
<hr/>			
550,000	NR/NR	Wireless Telecommunication Services -- 3.0% Bakrie Telecom Tbk PT, 11.5%, 5/7/15 (144A)	\$
365,000	B+/Ba2	Cricket Communications, Inc., 7.75%, 5/15/16	1
500,000 (m)	B-/B3	Cricket Communications, Inc., 9.375%, 11/1/14	1
300,000 (m)	NR/Caa1	Digicel Group, Ltd., 10.5%, 4/15/18 (144A)	1
750,000	BB-/B1	NII Capital Corp., 10.0%, 8/15/16 (144A)	1
790,000	BB+/Ba2	OJSC Vimpel Communications, 9.125%, 4/30/18 (144A)	1
1,330,000	B-/B2	True Move Co., Ltd., 10.375%, 8/1/14 (144A)	1
100,000	B-/B2	True Move Co., Ltd., 10.75%, 12/16/13 (144A)	1

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

				\$ 4
			Total Telecommunication Services	\$ 10
			UTILITIES -- 2.6%	
			Electric Utilities -- 0.6%	
750,000	B-/NR		Cia de Transporte de Energia Electrica de Alta Tension SA, 8.875%, 12/15/16 (144A)	\$
500,000 (m)	CCC/Caa2		Texas Competitive Electric Holdings Co. LLC, 10.25%, 11/1/15	
				\$ 1

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

22 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		Gas Utilities -- 1.0%	
490,000	B+/B1	Inergy, L.P., 8.25%, 3/1/16	\$ 5
1,135,000	B-/B2	Transportadora de Gas del Sur SA, 7.875%, 5/14/17 (144A)	1,0
			\$ 1,5
		Independent Power Producers & Energy Traders -- 0.9%	
500,000	BB-/Ba3	Intergen NV, 9.0%, 6/30/17 (144A)	\$ 5
346,000	BB-/Ba2	Listrindo Capital BV, 9.25%, 1/29/15 (144A)	3
500,000	NR/B2	Star Energy Geothermal (Wayang Windu), Ltd., 11.5%, 2/12/15 (144A)	5
			\$ 1,4
		Multi-Utilities -- 0.1%	
225,000	BB-/Ba2	PNM Resources, Inc., 9.25%, 5/15/15	\$ 2
		Total Utilities	\$ 4,3
		TOTAL CORPORATE BONDS & NOTES (Cost \$149,795,208)	\$150,1
		CONVERTIBLE BONDS & NOTES -- 3.6% of Net Assets	
		MATERIALS -- 0.8%	
		Diversified Chemicals -- 0.8%	
1,900 (f)	BB-/NR	Hercules Inc, 6.5%, 6/30/29	\$ 1,3
		Total Materials	\$ 1,3
		CAPITAL GOODS -- 0.2%	
		Electrical Components & Equipment -- 0.2%	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

150,000	NR/NR	JA Solar Holdings Co., Ltd., 4.5%, 5/15/13	\$	1
200,000	NR/NR	Suntech Power Holdings Co., Ltd., 3.0%, 3/15/13		1
		Total Capital Goods	\$	3

		TRANSPORTATION -- 0.5%		
		Marine -- 0.5%		
990,000	CCC+/Caa2	Horizon Lines, Inc., 4.25%, 8/15/12	\$	8
		Total Transportation	\$	8

		MEDIA -- 0.4%		
		Movies & Entertainment -- 0.4%		
659,000	B-/NR	Live Nation, Inc., 2.875%, 7/15/27	\$	6
		Total Media	\$	6

		HEALTH CARE EQUIPMENT & SERVICES -- 0.8%		
		Health Care Equipment & Services -- 0.6%		
1,040,000 (e)	BB-/NR	Hologic, Inc., 2.0%, 12/15/37	\$	9

		Health Care Facilities -- 0.2%		
405,000	B/NR	LifePoint Hospitals, Inc., 3.5%, 5/15/14	\$	4

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 23

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)			Value
50,000	B+/B3	Health Care Services -- 0.0%		
		Omnicare, Inc., 3.25%, 12/15/35	\$	
		Total Health Care Equipment & Services	\$	1,3

		TECHNOLOGY HARDWARE & EQUIPMENT -- 0.2%		
		Communications Equipment -- 0.2%		
450,000 (b)	NR/NR	Nortel Networks Corp., 2.125%, 4/15/14	\$	3
		Total Technology Hardware & Equipment	\$	3

		TELECOMMUNICATION SERVICES -- 0.7%		
		Wireless Telecommunication Services -- 0.7%		
1,150,000	B-/NR	NII Holdings, Inc., 3.125%, 6/15/12	\$	1,0
		Total Telecommunication Services	\$	1,0

		TOTAL CONVERTIBLE BONDS & NOTES (Cost \$5,035,524)	\$	6,0

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

		SOVEREIGN DEBT OBLIGATIONS -- 0.6% of Net Assets	
		Brazil -- 0.6%	
BRL 1,750,000	BBB-/Baa3	Brazilian Government International Bond, 10.25%, 1/10/28	\$ 1,0

		TOTAL SOVEREIGN DEBT OBLIGATIONS (Cost \$947,551)	\$ 1,0

		FLOATING RATE LOAN INTERESTS -- 36.3% of Net Assets (h)	
		ENERGY -- 0.9%	
		Coal & Consumable Fuels -- 0.3%	
500,000	B+/B1	PT Bukit Mutiara, Term Loan, 8.288%, 12/29/10	\$ 4

450,000	NR/B2	Integrated Oil & Gas -- 0.4%	\$ 4
334,900	BB-/Ba3	Big West Oil, LLC, Term Loan, 4.50%, 5/15/14	\$ 3
		Hudson Products Holdings, Inc., Term Loan, 8.0%, 8/24/15	3

			\$ 7

320,588	B/B3	Oil & Gas Exploration & Production -- 0.2%	
		Venoco, Inc., Second Lien Term Loan, 4.313%, 5/8/14	\$ 3

		Total Energy	\$ 1,5

		MATERIALS -- 3.5%	
		Diversified Chemicals -- 0.8%	
899,553	BB+/Ba1	Huntsman International LLC, New Dollar Term Loan B, 2.016% - 2.078%, 4/21/14	\$ 8
115,000	B/B2	Ineos US Finance LLC, Facility Term Loan B-2, 7.5%, 12/16/13	1
115,000	B/B2	Ineos US Finance LLC, Facility Term Loan C-2, 8.0%, 12/16/14	1
250,000	BB/Ba2	Solutia Inc., Term Loan, 4.75%, 3/17/17	2

			\$ 1,3

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

24 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		
1,500,000 (c)	NR/Ba3	Forest Products -- 0.9%	
		Ainsworth Lumber Co., Ltd., Term Loan, 5.313%, 6/26/14	

48,824	B+/B1	Paper Packaging -- 0.6%	
		Graham Packaging Co. LP, Term Loan B, 2.5% - 2.563%, 10/7/11	
461,353	B+/B1	Graham Packaging Co. LP, Term Loan C,	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

438,525	B-/B3	6.75%, 4/5/14 Graphic Packaging International, Inc., Incremental Term Loan, 3.041% -- 3.05%, 5/16/14

967,453	BB+/NR	Paper Products -- 0.6% Georgia-Pacific LLC, Term Loan B, 2.254% - 2.338%, 12/23/12

100,000	B/B2	Specialty Chemicals -- 0.1% Chemtura Corp., Facility Term Loan, 6.0%, 2/11/11

900,035 (c) (g)	B/B3	Steel -- 0.5% Niagara Corp., New Term Loan, 10.5%, 6/29/14

Total Materials		

CAPITAL GOODS -- 3.6%		
731,144	B-/NR	Aerospace & Defense -- 1.7% Aeroflex, Inc., Tranche B-2 Term Loan, 4.0%, 8/15/14
605,843	BB-/B1	DAE Aviation Holdings, Inc., Tranche B-1 Term Loan, 4.09%, 7/31/14
249,328	BB/B1	Hunter Defense Technologies, Inc., Term Loan, 3.55%, 8/22/14
489,848	BB+/Ba3	Spirit Aerosystems, Inc., Term Loan B-1, 2.05%, 9/30/13
589,677	BB-/B1	Standard Aero, Ltd., Tranche B-2 Term Loan, 4.06% - 4.09%, 7/31/14
250,000	BB/Ba2	TASC, Inc., Tranche A Term Loan, 5.5%, 12/18/14

1,113,172	BB/Ba3	Construction & Engineering -- 0.7% Goodman Global, Inc., Term Loan, 6.25%, 2/13/14

1,000,000	BB-/Ba3	Construction & Farm Machinery & Heavy Trucks -- 1.1% Accuride Corp., Advance U.S. Term Loan, 9.75%, 6/30/13
250,000	BB/Ba2	Bucyrus International, Inc., Tranche C Dollar Term Loan, 4.5%, 2/19/16
348,899	BB+/Ba2	Manitowoc Co., Inc., Term Loan B, 7.5%, 11/6/14
169,738	NR/B2	Oshkosh Truck Corp., Term Loan B, 6.25% - 6.26%, 12/6/13

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 25

Schedule of Investments | 4/30/10 (continued)

Principal Amount	S&P/Moody's Ratings
---------------------	------------------------

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

USD (\$)	(unaudited)		Value
EURO 124,219	NR/NR	Industrial Machinery -- 0.1% SIG Euro Holding AG & Co. KGaA, European Term Loan, 6.25%, 11/5/15	\$ 1
		Total Capital Goods	\$ 5,8
3,762	BB-/Ba3	COMMERCIAL & PROFESSIONAL SERVICES -- 2.0% Commercial Printing -- 0.1% Cenveo Corp., Delayed Draw Term Loan, 4.771%, 6/21/13	\$ 1
131,762	BB-/Ba2	Cenveo Corp., Facility Term Loan C, 4.771%, 6/21/13	\$ 1
672,425	BB+/B1	Diversified Commercial & Professional Services -- 0.6% Asset Acceptance Capital Corp., Tranche B Term Loan, 3.5% - 5.5%, 6/12/13	\$ 6
300,004	BB-/B2	Rental Service Corp., Second Lien Initial Term Loan, 3.8%, 11/30/13	2
811,004	B+/Ba3	Environmental & Facilities Services -- 1.2% Brickman Group Holdings, Inc., Tranche B Term Loan, 2.29%, 1/23/14	\$ 7
124,063	B+/Ba2	Casella Waste Systems, Inc., Term Loan B, 7.0%, 4/9/14	1
1,215,625	BB-/Ba3	Synagro Technologies, Inc., First Lien Term Loan, 2.26% - 2.28%, 4/2/14	1,1
248,750	B+/B2	Security & Alarm Services -- 0.1% Protection One Alarm Monitoring, Inc., Tranche B-2 Term Loan, 6.25%, 3/31/14	\$ 2
		Total Commercial & Professional Services	\$ 3,3
439,482	NR/Ba2	TRANSPORTATION -- 1.1% Air Freight & Logistics -- 1.0% Ceva Group Plc, Pre-Funded LC Loan, 3.10%, 11/4/13	\$ 3
1,302,331	NR/Ba2	Ceva Group Plc, U.S. Term Loan, 3.263%, 11/4/13	1,1
249,359	B+/Ba2	Airlines -- 0.1% Delta Air Lines, Inc., Second Lien Term Loan, 3.548%, 4/30/14	\$ 2
		Total Transportation	\$ 1,8

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		AUTOMOBILES & COMPONENTS -- 1.2%	
		Auto Parts & Equipment -- 0.3%	
142,002	B+/Ba3	Federal-Mogul Corp., Tranche B Term Loan, 2.188% - 2.198%, 12/29/14	\$ 130
72,450	B+/Ba3	Federal-Mogul Corp., Tranche C Term Loan, 2.188% - 2.198%, 12/28/15	66
250,000	B+/B3	HHI Group Holdings, LLC, Term Loan, 10.5%, 3/30/15	254

			\$ 450
		Automobile Manufacturers -- 0.3%	
593,875	B-/Ba3	Ford Motor Co., Tranche B-1 Term Loan, 3.26% - 3.31%, 12/15/13	\$ 574
		Tires & Rubber -- 0.6%	
1,000,000	BB/Ba1	Goodyear Tire & Rubber Co., Second Lien Term Loan, 2.24%, 4/30/14	\$ 958
		Total Automobiles & Components	-----
			\$ 1,983
		CONSUMER DURABLES & APPAREL -- 0.3%	
		Leisure Products -- 0.3%	
575,000	B+/B1	SRAM, LLC., Term Loan, 5.5%, 4/30/15	\$ 571
		Total Consumer Durables & Apparel	-----
			\$ 571
		CONSUMER SERVICES -- 0.2%	
		Casinos & Gaming -- 0.1%	
945,000 (b)	BB-/Caa1	Gateway Casinos & Entertainment, Inc., Advance Second Lien Term Loan, 5.791%, 3/31/15	\$ 242
		Hotels, Resorts & Cruise Lines -- 0.1%	
166,740	BB/Ba2	Travelport LLC, Incremental Term Loan C, 7.79%, 8/23/13	\$ 167
		Total Consumer Services	-----
			\$ 410
		MEDIA -- 3.6%	
		Advertising -- 0.6%	
1,000,000	BB/Ba2	Affinion Group, Inc., Tranche B Term Loan, 5.0%, 7/10/15	\$ 995
		Broadcasting -- 1.6%	
626,834	NR/Baa3	Discovery Communications Holding LLC, Term Loan C, 5.25%, 5/14/14	\$ 633
1,000,000	B+/Ba3	Insight Midwest Holdings LLC, Term Loan B, 2.25% - 2.29%, 4/7/14	979
418,326	BB/Ba2	TWCC Holding Corp., Replacement Term Loan, 5.0%, 9/14/15	422
675,000	B-/B2	Univision Communications, Inc., Initial Term Loan, 2.54%, 9/29/14	616

			\$ 2,651

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 27

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
153,617	B/Ba3	Cable & Satellite -- 0.4%	
553,026	B-/B1	Knology, Inc., Term Loan, 2.528%, 6/30/12	\$ 152,465
		WideOpenWest Finance LLC, Series A New Term Loan, 6.751% - 8.75%, 6/28/14	557,088
			\$ 709,553
250,000	NR/Ba1	Movies & Entertainment -- 0.6%	
722,786	B+/B1	Cinedigm Digital Funding I, LLC, Term Loan, 3.5%, 3/31/16	\$ 250,000
		Lodgenet Entertainment Corp., Closing Date Term Loan, 2.3%, 4/4/14	693,875
			\$ 943,875
694,524	B+/B1	Publishing -- 0.4%	
		RH Donnelley, Inc., Term Loan, 9.25%, 10/24/14	\$ 678,029
		Total Media	\$ 5,978,364
102,941	BBB-/Ba2	RETAILING -- 0.4%	
		Catalog Retail -- 0.1%	
		QVC, Inc., Tranche 2-W Term Loan, 3.761%, 10/4/11	\$ 103,003
550,000	B+/Ba3	Specialty Stores -- 0.3%	
		Savers, Inc., Term Loan, 5.75%, 3/11/16	\$ 553,437
		Total Retailing	\$ 656,440
1,000,000	NR/B3	FOOD & STAPLES RETAILING -- 0.6%	
		Drug Retail -- 0.6%	
		Rite Aid Corp., Tranche 4 Term Loan, 9.5%, 6/10/15	\$ 1,045,833
		Total Food & Staples Retailing	\$ 1,045,833
250,000	BB-/B2	FOOD, BEVERAGE & TOBACCO -- 0.2%	
		Packaged Foods & Meats -- 0.2%	
		Pierre Foods, Inc., Term Loan, 7.0%, 3/3/16	\$ 252,292
		Total Food, Beverage & Tobacco	\$ 252,292
		HOUSEHOLD & PERSONAL PRODUCTS -- 0.2%	
		Personal Products -- 0.2%	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

250,000	B+/Ba3	Revlon Consumer Products Corp., Term Loan, 6.0%, 3/11/15	\$ 249,196

Total Household & Personal Products			\$ 249,196

HEALTH CARE EQUIPMENT & SERVICES -- 4.0%			
Health Care Facilities -- 1.9%			
250,000	B/B1	Ardent Medical Services, Inc., Term Loan, 6.5%, 9/15/15	\$ 247,438
49,830	BB/Ba3	Community Health Systems, Inc., Delayed Draw Term Loan, 2.502%, 7/25/14	48,506
973,067	BB/Ba3	Community Health Systems, Inc., Term Loan, 2.502%, 7/25/14	947,218

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

28 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

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

Health Care Facilities -- (continued)			
708,589	B+/B3	Hanger Orthopedic Group, Inc., Tranche B Term Loan, 2.27%, 5/26/13	\$ 700,027
82,579	B+/Ba2	HCA, Inc., Tranche B-1 Term Loan, 2.54%, 11/18/13	80,468
198,040	BB/Ba3	HCA, Inc., Tranche B-2 Term Loan, 3.54%, 3/31/17	197,009
162,256	B+/B1	Sun Healthcare Group, Inc., Synthetic LC Loan, 2.290%, 4/19/14	156,577
716,992	B+/B1	Sun Healthcare Group, Inc., Term Loan, 2.266% - 2.502%, 4/19/14	691,898

			\$ 3,069,141

Health Care Services -- 0.8%			
519,683	BB-/B3	HealthSouth Corp., Tranche 1 Term Loan, 2.51% - 2.55%, 3/10/13	\$ 511,563
427,721	BB-/B3	HealthSouth Corp., Tranche 2 Term Loan, 4.01% - 4.05%, 9/10/15	428,078
375,000	NR/B1	Prime Healthcare Services, Inc., Term Loan B, 6.25%, 4/28/15	367,500

			\$ 1,307,141

Health Care Supplies -- 1.0%			
112,444	BB-/B1	Bausch & Lomb, Inc., Delayed Draw Term Loan, 3.54%, 4/24/15	\$ 110,310
463,644	BB-/B1	Bausch & Lomb, Inc., Parent Term Loan, 3.54%, 4/24/15	454,844
486,250	B+/B2	IM US Holdings LLC, First Lien Term Loan, 2.28% - 2.29%, 6/26/14	478,592
600,000	B+/B2	IM US Holdings LLC, Second Lien Term Loan, 4.502%, 6/26/15	597,500

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

\$ 1,641,246

247,560	BB/Ba3	Health Care Technology -- 0.1% IMS Health, Inc., Tranche B Dollar Term Loan, 5.25%, 2/26/16	\$ 249,479
400,000	NR/B1	Managed Health Care -- 0.2% MultiPlan, Inc., Incremental Term Loan D, 6.0%, 4/12/13	\$ 401,125
		Total Health Care Equipment & Services	\$ 6,668,132
386,695	BB+/B1	PHARMACEUTICALS & BIOTECHNOLOGY & LIFE SCIENCES -- 1.8% Biotechnology -- 0.6% Warner Chilcott Co. LLC, Term Loan A, 5.5%, 10/30/14	\$ 387,721
177,979	BB+/B1	Warner Chilcott Co. LLC, Term Loan B-1, 5.75%, 4/30/15	178,516

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 29

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
296,367	BB+/B1	Biotechnology -- (continued) Warner Chilcott Co. LLC, Term Loan B-2, 5.75%, 4/30/15	\$ 297,262
119,700	B+/Ba3	Warner Chilcott Co. LLC, Term Loan B-3, 5.75%, 4/30/15	120,024
			\$ 983,523
1,344,837	BB-/Ba3	Life Sciences Tools & Services -- 0.8% Catalent Pharma Solutions, Inc., Dollar Term Loan, 2.513%, 4/10/14	\$ 1,282,638
720,000	BB/Ba3	Pharmaceuticals -- 0.4% Mylan, Inc., U.S. Tranche B Term Loan, 3.563%, 10/2/14	\$ 720,248
		Total Pharmaceuticals & Biotechnology & Life Sciences	\$ 2,986,409
51,594	BB-/NR	DIVERSIFIED FINANCIALS -- 1.3% Consumer Finance -- 0.0% Dollar Financial Corp., Canadian Borrower Term Loan, 7.0%, 12/31/14	\$ 50,046
37,937	BB-/NR	Dollar Financial Corp., Delayed Draw Term Loan, 7.0%, 12/31/14	36,799

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
			\$ 86,845
433,116	BB/Ba2	Other Diversified Financial Services -- 0.3% Metavante Corp., Term Loan, 3.499%, 11/3/14	\$ 436,726
832,673	BB-/B3	Specialized Finance -- 1.0% Ace Cash Express, Inc., Term Loan, 3.29%, 10/5/13	\$ 755,650
865,631	B+/Ba3	Collect Acquisition Corp., Advance Term Loan B, 7.5%, 5/15/13	856,253
			\$ 1,611,903
		Total Diversified Financials	\$ 2,135,474
		INSURANCE -- 3.4%	
1,462,500	B-/B3	Insurance Brokers -- 2.4% Alliant Holdings I, Inc., Term Loan, 3.29%, 8/17/14	\$ 1,402,172
128,534	B/B3	HUB International, Ltd., Delay Draw Term Loan, 2.79%, 6/13/14	121,914
571,826	B/B3	HUB International, Ltd., Initial Term Loan, 2.79%, 6/13/14	542,377
99,500	B-/B3	U.S.I. Holdings Corp., Series C Term Loan, 7.0%, 5/5/14	97,510
1,945,000	B-/B2	U.S.I. Holdings Corp., Tranche B Term Loan, 3.05%, 5/5/14	1,816,144
			\$ 3,980,117

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

30 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
809,389	B-/B2	Multi-Line Insurance -- 1.0% AmWins Group, Inc., Initial Term Loan, 2.76% - 2.78%, 6/8/13	\$ 759,825
1,000,000	B-/B2	AmWins Group, Inc., Second Lien Initial Term Loan, 5.78%, 6/9/14	825,739
			\$ 1,584,564
		Total Insurance	\$ 5,564,564
		REAL ESTATE -- 0.2%	
250,000	BB-/Ba3	Real Estate Development -- 0.2% Ozburn-Hessey Holding Co. LLC, First Lien Term Loan, 7.5%, 4/8/16	\$ 252,000
		Total Real Estate	\$ 252,000
		SOFTWARE & SERVICES -- 3.4%	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

977,099	B+/B1	Application Software -- 0.6% Nuance Communications, Inc., Term Loan, 2.28%, 3/29/13	\$ 960,
29,752	NR/Ba1	Data Processing & Outsourced Services -- 0.0% Fidelity National Information Services, Inc., Tranche C Term Loan, 4.506%, 1/18/12	\$ 30,
446,599	B+/B1	Internet Software & Services -- 0.3% Web Service Co. LLC, Term Loan, 7.0%, 8/28/14	\$ 446,
398,602	B+/B1	IT Consulting & Other Services -- 1.7% Activant Solutions, Inc., Term Loan, 2.313%, 5/2/13	\$ 382,
546,710	B+/B2	Keane International, Inc., Closing Date Term Loan, 2.51%, 6/4/13	520,
42,654	B+/B2	Keane International, Inc., Synthetic LC Loan, 2.55%, 6/4/13	40,
1,939,850	BB/Ba3	SunGard Data Systems, Inc., Tranche A U.S. Term Loan, 2.001%, 2/28/14	1,879,
			\$ 2,823,
1,354,712	BB-/Ba3	Systems Software -- 0.8% Vangent, Inc., Term Loan, 2.51% - 2.52%, 2/14/13	\$ 1,320,
		Total Software & Services	\$ 5,580,
249,375	BB/Ba3	TECHNOLOGY HARDWARE & EQUIPMENT -- 0.4% Communications Equipment -- 0.1% TowerCo Finance LLC, Term Loan, 6.0%, 11/24/14	\$ 252,
488,773	BB-/Ba3	Electronic Equipment & Instruments -- 0.3% Scitor Corp., Term Loan, 4.52%, 9/26/14	\$ 483,
		Total Technology Hardware & Equipment	\$ 735,

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 31

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
780,263	B-/NR	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.5% Semiconductor Equipment -- 0.5% Freescale Semiconductor, Inc., Extended Maturity Term Loan, 4.499%, 12/1/16	\$ 7
		Total Semiconductors & Semiconductor Equipment	\$ 7
		TELECOMMUNICATION SERVICES -- 1.9%	

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

		Integrated Telecommunication Services -- 0.6%	
432,697	B+/B2	Telesat Canada, U.S. Term I Loan, 3.25%, 10/31/14	\$ 4
37,167	B+/B2	Telesat Canada, U.S. Term II Loan, 3.25%, 10/31/14	
250,000	BB-/Ba1	Wind Telecomunicazioni S.p.A., Facility Term Loan B-2, 3.658%, 5/24/13	2
250,000	BB-/Ba1	Wind Telecomunicazioni S.p.A., Facility Term Loan C-2, 4.658%, 5/26/14	2

			\$ 9

		Wireless Telecommunication Services -- 1.3%	
1,701,511	B+/Ba3	MetroPCS Wireless, Inc., Tranche B Term Loan, 2.5% - 2.563%, 11/3/13	\$ 1,6
580,808	BB-/Ba2	Stratos Global Corp., Facility Term Loan B, 5.0%, 2/13/12	5

			\$ 2,2

		Total Telecommunication Services	\$ 3,2

		UTILITIES -- 1.6%	
		Electric Utilities -- 0.3%	
660,088	B+/Ba3	Texas Competitive Electric Holdings Co. LLC, Initial Tranche B-2 Term Loan, 3.751% -- 3.79%, 10/10/14	\$ 5

		Independent Power Producers & Energy Traders -- 1.3%	
1,937,762	BB-/B1	Calpine Corp., First Priority Term Loan, 3.165%, 3/29/14	\$ 1,8
184,378	B+/B2	Mach Gen LLC, First Lien Synthetic LC Loan, 0.04%, 2/22/13	1

			\$ 2,0

		Total Utilities	\$ 2,5

		TOTAL FLOATING RATE LOAN INTERESTS (Cost \$60,877,976)	\$ 59,9

Shares		COMMON STOCKS -- 1.1% of Net Assets	
		ENERGY -- 0.0%	
		Oil & Gas Equipment & Services -- 0.0%	
193,316(j)		Skeie Drilling & Production ASA	\$

		Total Energy	\$

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

32 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Shares	Value

MATERIALS -- 0.5%

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

	Commodity Chemicals -- 0.4%		
19,670 (j)	Georgia Gulf Corp.	\$	404,022
6,542 (j)	Lyondell Basell Industries (Class A)		145,887
5,905 (j)	Lyondell Basell Industries (Class B)		132,862

		\$	682,771

	Forest Products -- 0.0%		
13,963 (j)	Ainsworth Lumber Co., Ltd.	\$	62,036

	Steel -- 0.1%		
15,083 (g) (j)	Niagara Corp.	\$	117,044

	Total Materials	\$	861,851

	AUTOMOBILES & COMPONENTS -- 0.6%		
	Auto Parts & Equipment -- 0.6%		
10,904 (j)	Lear Corp.	\$	885,187

	Total Automobiles & Components	\$	885,187

	MEDIA -- 0.0%		
	Cable & Satellite -- 0.0%		
213 (j)	Charter Communications, Inc.	\$	8,073

	Total Media	\$	8,073

	Software & Services -- 0.0%		
	Systems Software -- 0.0%		
2,114 (g) (j)	Perseus Holding Corp.	\$	--

	Total Software & Services	\$	--

	TOTAL COMMON STOCKS		
	(Cost \$1,375,008)	\$	1,786,211

	CONVERTIBLE PREFERRED STOCK -- 0.3% of Net Assets		
	DIVERSIFIED FINANCIALS -- 0.3%		
	Diversified Financial Services -- 0.3%		
595	Bank of America Corp.	\$	584,284

	TOTAL CONVERTIBLE PREFERRED STOCK		
	(Cost \$490,737)	\$	584,284

	PREFERRED STOCK -- 0.0% of Net Assets		
	SOFTWARE & SERVICES -- 0.0%		
	Systems Software -- 0.0%		
1,110 (g) (j)	Perseus Holding Corp., 14.0% (144A)	\$	--

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

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Shares		Value
	RIGHTS/WARRANTS -- 0.0% of Net Assets	
	REAL ESTATE -- 0.0%	
	Real Estate Development -- 0.0%	
750,000 (i) (j)	Neo-China Group Holdings, Ltd., Expires 7/22/12 (144A)	\$ 14,49
	TOTAL RIGHTS/WARRANTS (Cost \$17,012)	\$ 14,49
	ESCROW HOLDINGS -- 0.0% of Net Assets	
	ENERGY -- 0.0%	
	Oil & Gas Refining & Marketing -- 0.0%	
50,000 (g) (j)	Verasun Energy Corp.	\$ -
	Total Energy	\$ -
	AUTOMOBILES & COMPONENTS -- 0.0%	
	Auto Parts & Equipment -- 0.0%	
1,140,000 (g) (j)	Lear Corp.	\$ -
	Total Automobiles & Components	\$ -
	TOTAL ESCROW HOLDINGS (Cost \$0)	\$ -
Principal Amount USD (\$)		
	TEMPORARY CASH INVESTMENTS -- 8.6% of Net Assets	
	Repurchase Agreements -- 2.4%	
4,000,000	SG Americas Securities LLC, 0.2% dated 4/30/10, repurchase price of \$4,000,000 plus accrued interest on 5/3/10 collateralized by the following: \$1,164,236 Federal National Mortgage Association, 5.0% - 6.0%, 9/1/36 - 2/1/40 \$1,746,992 Federal National Mortgage Association ARM, 3.651% - 5.018%, 7/1/35 - 7/1/39 \$1,168,772 Freddie Mac Giant, 4.0%, 1/1/20	\$ 4,000,00
	Total Repurchase Agreements	\$ 4,000,00
	SECURITIES LENDING COLLATERAL -- 6.2% (k)	
	Certificates of Deposit:	
240,613	Bank of Nova Scotia, 0.2%, 6/1/10	\$ 240,61
266,164	Barclays, 0.30%, 7/23/10	266,16
266,166	BBVA NY, 0.265%, 6/1/10	266,16
80,949	BNP Paribas, 0.70%, 6/4/10	80,94
292,781	CBA Financial, 0.27%, 1/3/11	292,78
266,164	Deutschebank, 0.30%, 7/19/10	266,16
266,165	DnB NOR Bank ASA NY, 0.19%, 5/19/10	266,16
266,169	Rabobank Nederland NY, 0.19%, 7/6/10	266,16
266,165	Royal Bank of Canada, 0.26%, 1/21/11	266,16
266,165	Svenska NY, 0.265%, 7/19/10	266,16
159,710	Wachovia, 0.36%, 3/22/11	159,71

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

34 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Principal Amount USD (\$)		Value
	Commercial Paper:	
106,466	American Honda Finance, 0.28%, 4/5/11	\$ 106,466
303,085	Bank of America, 0.85%, 5/12/10	303,085
35,218	Caterpillar Financial Services, 0.34%, 8/20/10	35,218
133,055	CBAPP, 0.20%, 6/7/10	133,055
106,455	Ciesco, 0.19%, 5/20/10	106,455
266,036	CLIPPR, 0.28%, 7/2/10	266,036
240,920	CME, Inc., 0.90%, 8/6/10	240,920
266,141	FASCO, 0.19%, 5/18/10	266,141
29,009	GE Capital Corp., 0.31%, 10/6/10	29,009
28,812	GE Capital Corp., 0.35%, 10/21/10	28,812
79,883	GE Capital Corp., 0.43%, 8/20/10	79,883
133,065	GE, 0.30%, 1/26/11	133,065
212,929	HNDAF, 0.17%, 5/4/10	212,929
319,394	INDFG, 0.20%, 5/3/10	319,394
26,616	INDFG, 0.21%, 5/4/10	26,616
29,682	John Deere Capital Corp., 0.33%, 7/16/10	29,682
225,203	JPMorgan Chase & Co., 0.57%, 9/24/10	225,203
109,088	Kithaw, 0.16%, 5/5/10	109,088
159,678	Kithaw, 0.20%, 5/24/10	159,678
106,400	NABPP, 0.28%, 7/19/10	106,400
106,461	Old LLC, 0.18%, 5/11/10	106,461
106,465	Ranger, 0.18%, 5/3/10	106,465
301,782	Santander, 0.30%, 7/23/10	301,782
266,028	SOCNAM, 0.28%, 7/6/10	266,028
79,847	SRCPP, 0.19%, 5/6/10	79,847
186,225	SRCPP, 0.26%, 7/7/11	186,225
51,730	STRAIT, 0.18%, 5/7/10	51,730
106,447	STRAIT, 0.20%, 6/2/10	106,447
133,076	TB LLC, 0.19%, 5/10/10	133,076
133,049	TB LLC, 0.23%, 6/9/10	133,049
266,165	Toyota Motor Credit Corp., 0.23%, 1/10/11	266,165
40,779	US Bancorp, 0.30%, 5/28/10	40,779
57,042	US Bancorp, 0.65%, 5/6/10	57,042
26,628	US Bancorp, 0.66%, 6/4/10	26,628
265,980	VARFUN, 0.29%, 7/26/10	265,980
75,019	Wal Mart Stores, Inc., 0.22%, 7/1/10	75,019
106,441	WFC, 0.33%, 12/2/10	106,441
266,117	WSTPAC, 0.25%, 5/27/10	266,117
		----- \$ 5,492,416

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 35

Schedule of Investments | 4/30/10 (continued)

Principal Amount USD (\$)		Value
	Tri-party Repurchase Agreements:	
399,247	Barclays, 0.18%, 5/3/10	\$ 399,247
816,960	Deutsche Bank, 0.02%, 5/3/10	816,960
798,494	RBS Securities, Inc., 0.01%, 5/3/10	798,494
		\$ 2,014,701
	Total Securities Lending Collateral	\$ 10,144,328
	TOTAL TEMPORARY CASH INVESTMENTS (Cost \$14,144,328)	\$ 14,144,328
	TOTAL INVESTMENTS IN SECURITIES -- 145.6% (Cost \$240,669,581) (1)	\$240,699,541
	OTHER ASSETS AND LIABILITIES - (45.6)%	\$ (75,418,428)
	NET ASSETS APPLICABLE TO COMMON SHAREOWNERS -- 100.0%	\$165,281,113

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 April 30, 2010, the fair value of these securities amounted to \$103,189,415 or 62.4% of total net assets applicable to common shareowners.

- (a) Floating rate note. The rate shown is the coupon rate at April 30, 2010.
- (b) Security is in default and is non-income producing.
- (c) Payment-in-Kind (PIK) security which may pay interest in additional principal amount.
- (d) Security is a perpetual bond and has no definite maturity date.
- (e) Debt obligation initially issued at one coupon rate which converts to another coupon rate at a specific date. The rate shown is the coupon rate at April 30, 2010.
- (f) Security is priced as a unit.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

- (g) Security is fair valued using fair value methods (other than prices supplied by independent pricing services). (See Note 1A).
- (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 (iv) other base lending rates used by commercial lenders. The interest rate shown is the rate accruing at April 30, 2010.
- (i) Indicates a security that has been deemed illiquid. The aggregate cost of illiquid securities is \$17,012. The aggregate fair value of \$14,490 represents 0.0% of total net assets applicable to common shareowners.
- (j) Non-income producing.

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

36 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

- (k) Securities lending collateral is managed by Credit Suisse AG, New York Branch.
- (l) At April 30, 2010, the net unrealized loss on investments based on cost for federal income tax purposes of \$241,791,618 was as follows:

Aggregate gross unrealized gain for all investments in which there is an excess of value over tax cost	\$11,286,359
Aggregate gross unrealized loss for all investments in which there is an excess of tax cost over value	(12,378,436)

Net unrealized loss	\$ (1,092,077)
	=====

For financial reporting purposes net unrealized gain was \$29,960 and cost of investments aggregated \$240,669,581.

- (m) At April 30, 2010, the following securities were out on loan:

Principal Amount	Description	Value
USD (\$)		
970,000	Allison Transmission, Inc., 11.0%, 11/1/15 (144A)	\$1,047,600
495,000	ALROSA Finance SA, 8.875%, 11/17/14 (144A)	534,600
450,000	Bumi Capital Pte, Ltd., 12.0%, 11/10/16 (144A)	496,710
180,000	CCH II LLC, 13.5%, 11/30/16	217,800
348,000	CEVA Group PLC, 11.5%, 4/1/18 (144A)	371,835
380,000	Corporacion Pesquera Inca SAC, 9.0%, 2/10/17 (144A)	386,175

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

495,000	Cricket Communications, Inc., 9.375%, 11/1/14	513,562
874,000	DASA Finance Corp., 8.75%, 5/29/18 (144A)	943,920
200,000	Digicel Group, Ltd., 10.5%, 4/15/18 (144A)	213,500
1,441,000	First Data Corp., 9.875%, 9/24/15	1,318,515
137,000	Graphic Packaging International, Inc., 9.5%, 8/15/13	140,768
31,000	Independencia International, Ltd., 12.0%, 12/30/16 (144A)	17,050
563,400	Sally Holdings LLC, 10.5%, 11/15/16	618,331
247,000	Sino-Forest Corp., 10.25%, 7/28/14 (144A)	272,935
210,000	Surgical Care Affiliates, Inc., 10.0%, 7/15/17 (144A)	211,575
690,000	Tenneco, Inc., 8.625%, 11/15/14	710,700
495,000	Texas Competitive Electric Holdings Co. LLC, 10.25%, 11/1/15	371,250
1,365,092	Univision Communications, Inc., 9.75%, 3/15/15 (144A)	1,235,408
		\$9,622,234

Glossary of Terms:

LC -- Letter of Credit

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

BRL Brazilian Real

EURO Euro

NOK Norwegian Krone

Purchases and sales of securities (excluding temporary cash investments) for the year ended April 30, 2010, aggregated \$81,248,946 and \$46,383,696, respectively.

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 37

Schedule of Investments | 4/30/10 (continued)

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

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

Level 1 -- quoted prices in active markets for identical securities

Level 2 -- other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.)

Level 3 -- significant unobservable inputs (including the Trust's own assumptions in determining fair value of investments)

The following is a summary of the inputs used as of April 30, 2010, in valuing the Trust's investments:

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Asset backed securities	\$	--	\$ 5,046,058	\$	--	\$ 5,0
Collateralized mortgage obligations		--	1,970,296		--	1,9
Corporate bonds & notes (systems software)		--	--		513,749	5
Corporate bonds & notes (other industries)		--	149,654,103		--	149,6
Convertible bonds & notes		--	6,000,866		--	6,0
Sovereign debt obligation		--	1,022,498		--	1,0
Floating rate loan interests (steel)		--	--		891,034	8
Floating rate loan interests (other industries)		--	59,071,624		--	59,0
Common stock (steel)		--	--		117,044	1
Common stock (other industries)	1,669,167		--		--	1,6
Convertible preferred stock	584,284		--		--	5
Rights/Warrants		--	14,490		--	
Escrow holdings		--	--		--	
Temporary cash investments		--	14,144,328		--	14,1
Total			\$2,253,451			\$236,924,263
						\$1,521,827
						\$240,6

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

	Balance as of 4/30/09	Realized gain (loss)	Change in unrealized appreciation (depreciation) 1	Net purchases (sales)	Transfer in and out of Level 3*
Corporate bonds & notes (systems software)	\$--	\$--	\$ (579,845)	\$1,093,594	\$--
Floating rate loan interests (steel)	--	--	(15)	891,049	--
Common stock (steel)	--	--	--	117,044	--
Escrow holdings	--	--	--	--	--
Ending balance	\$--	\$--	\$ (579,860)	\$2,101,687	\$--

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

* Transfers are calculated beginning of period.

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

38 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Statement of Assets and Liabilities | 4/30/10

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

ASSETS:

Investments in securities, at value (including securities loaned of \$9,622,234) (cost \$240,669,581)	\$240,699,541
Cash	1,836,693
Foreign currencies, at value (cost \$648,694)	679,111
Receivables --	
Investment securities sold	1,068,434
Interest	3,613,365
Prepaid expenses and other assets	13,531
Total assets	\$247,910,675

LIABILITIES:

Payables --	
Notes payable	\$ 67,000,000
Investment securities purchased	3,828,351
Upon return of securities loaned	10,144,328
Dividends to shareowners	1,311,235
Due to affiliates	160,247
Accrued interest expense	65,075
Accrued expenses and other liabilities	120,326
Total liabilities	\$ 82,629,562

NET ASSETS:

Paid-in capital	\$191,909,932
Distribution in excess of net investment income	(1,765,037)
Accumulated net realized loss on investments and foreign currency transactions	(24,919,126)
Net unrealized gain on investments	29,960
Net unrealized gain on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	25,384
Net assets	\$165,281,113

NET ASSET VALUE PER SHARE:

No par value (unlimited number of shares authorized)	
Based on \$165,281,113/8,195,218 shares	\$ 20.17

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 39

Statement of Operations

For the Year Ended 4/30/10

INVESTMENT INCOME:

Interest (net of foreign taxes withheld \$5,424)	\$ 17,410,869
Dividends	43,138
Facility and other fees	200,209
Income from securities loaned, net	18,194
Total investment income	\$17,672,410

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

EXPENSES:

Management fees	\$ 1,708,363
Administrative fees	200,149
Transfer agent fees and expenses	12,000
Shareowner communications expense	73,713
Bank loan fees and expenses	105,097
Custodian fees	35,603
Registration fees	17,500
Professional fees	106,535
Printing expenses	29,052
Trustees' fees	7,663
Pricing fees	14,409
Miscellaneous	52,431

Net operating expenses \$ 2,362,5

Interest expense \$ 1,218,9

Net operating expenses and interest expense \$ 3,581,4

Less management fees waived and expenses reimbursed by
Pioneer Investment Management, Inc. (PIM) (320,9

Less fees paid indirectly

Net expenses \$ 3,260,5

Net investment income \$14,411,8

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

Net realized gain (loss) from:

Investments \$ (9,818,300)

Forward foreign currency contracts and other assets and
liabilities denominated in foreign currencies 230,246 \$ (9,588,0

Change in net unrealized gain (loss) from:

Investments \$ 62,940,479

Unfunded corporate loans 1,191

Forward foreign currency contracts and other assets and
liabilities denominated in foreign currencies (343,947) \$62,597,7

Net gain on investments and foreign currency transactions \$53,009,6

Net increase in net assets resulting from operations \$67,421,5

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

40 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Statement of Changes in Net Assets

For the Years Ended 4/30/10 and 4/30/09, respectively

Year
Ended

Year
Ended

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

	4/30/10	4/30/09

FROM OPERATIONS:		
Net investment income	\$ 14,411,873	\$ 17,09
Net realized loss on investments, unfunded corporate loans, and foreign currency transactions	(9,588,054)	(12,59
Change in net unrealized gain (loss) on investments and foreign currency transactions	62,597,723	(49,85

Net increase (decrease) in net assets resulting from operations	\$ 67,421,542	\$ (45,35

DISTRIBUTIONS TO SHAREOWNERS FROM:		
Net investment income (\$1.686 and \$2.469 per share, respectively)	\$ (13,800,249)	\$ (20,13
Tax return of capital (\$0.324 and \$0.045 per share, respectively)	(2,651,977)	(37

Total distributions to shareowners	\$ (16,452,226)	\$ (20,50

FROM TRUST SHARE TRANSACTIONS:		
Reinvestment of distributions	\$ 499,351	\$ 15

Net increase in net assets resulting from Trust share transactions	\$ 499,351	\$ 15

Net increase (decrease) in net assets	\$ 51,468,667	\$ (65,70
NET ASSETS:		
Beginning of year	113,812,446	179,51

End of year	\$165,281,113	\$113,81

Distribution in excess of net investment income	\$ (1,765,037)	\$ (2,53

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 41

Statement of Cash Flows

For the Year Ended April 30, 2010

Cash Flows Used in Operating Activities	
Net investment income	\$ 14,411,873

Adjustment to Reconcile Net Investment Income to Net Cash and Foreign Currency used in Operating Activities	
Purchase of investment securities	\$ (1,000,389,499)
Proceeds from disposition of investment securities	971,796,212
Increase in receivable for investments sold	(357,611)
Increase in interest receivable	(290,473)
Decrease in commitment fees receivable	29
Increase in prepaid expenses and other assets	(199)
Increase in accrued interest expense	16,445

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Increase in payable for investments purchased	2,768,471
Decrease in accrued expenses and other liabilities	(14,346)
Increase in due to affiliates	102,189
Decrease in unamortized facility fee	(1,750)
Decrease in net unrealized appreciation on foreign currency transactions	(375,784)
Net realized gain from foreign currency transactions	230,246
Net amortization/(accretion) of premium/(discount)	(1,376,650)
<hr/>	
Net adjustment to reconcile net investment income	(27,892,720)
<hr/>	
Net cash and foreign currency used in operating activities	\$ (13,480,847)
<hr/>	
Cash Flows From Financing Activities	
Increase in notes payable	\$ 29,000,000
Cash dividends paid to common shareowners	(16,193,166)
<hr/>	
Net cash flow from financing activities	\$ 12,806,834
<hr/>	
Net decrease in cash and foreign currency	\$ (674,013)
<hr/>	
Cash and Foreign Currency	
Beginning of the year	\$ 3,189,817
<hr/>	
End of the year	\$ 2,515,804
<hr/>	
Cash Flow Information	
Cash paid for interest	\$ 1,202,500
<hr/>	

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

42 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Financial Highlights

	Year Ended 4/30/10	Year Ended 4/30/09	5/30/07 (b) to 4/30/08
<hr/>			
Per Share Operating Performance			
Net asset value, beginning of period	\$ 13.94	\$ 22.02	\$ 23.88 (c)
<hr/>			
Increase (decrease) from investment operations:(a)			
Net investment income	\$ 1.76	\$ 2.10	\$ 1.77
Net realized and unrealized gain (loss) on investments and foreign currency transactions	6.48	(7.67)	(1.80)
<hr/>			
Net increase (decrease) from investment operations	\$ 8.24	\$ (5.57)	\$ (0.03)
Distributions from			
Net investment income	(1.69)	(2.47)	(1.78)
Tax return of capital	(0.32)	(0.04)	-
Capital charge with respect to issuance of shares	-	-	(0.05)
<hr/>			

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Net increase (decrease) in net asset value	\$ 6.23	\$ (8.08)	\$ (1.86)

Net asset value, end of period(d)	\$ 20.17	\$ 13.94	\$ 22.02

Market value, end of period(d)	\$ 20.46	\$ 13.23	\$ 20.47
=====			
Total return at market value (e)	73.25%	(23.11)%	(10.67)%
Ratios to average net assets			
Net operating expenses	1.39%	1.38%	0.99% (f)
Interest expense	0.83%	1.14%	0.33% (f)
Net expenses	2.22%	2.52%	1.32% (f)
Net investment income	9.84%	12.27%	8.48% (f)
Portfolio turnover	24%	25%	21%
Net assets, end of period (in thousands)	\$165,281	\$113,812	\$179,515
Ratios to average net assets before waivers and reimbursements of expenses			
Net operating expenses	1.61%	1.68%	1.29% (f)
Interest expense	0.83%	1.14%	0.33% (f)
Net expenses	2.44%	2.82%	1.62% (f)
Net investment income	9.62%	11.97%	8.18% (f)

- (a) The per share data presented above is based upon the average shares outstanding for the periods presented.
- (b) Trust shares were first publicly offered on May 24, 2007 and commenced operations on May 30, 2007.
- (c) Net asset value immediately after the closing of the first public offering was \$23.83.
- (d) 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.
- (e) Total investment return is calculated assuming a purchase of 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.
- (f) Annualized.

The information above represents the audited operating performance data for a share of stock outstanding, total investment return, ratios to average net assets 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 shares.

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 43

Notes to Financial Statements | 4/30/10

1. Organization and Significant Accounting Policies

Pioneer Diversified High Income Trust (the Trust) was organized as a Delaware statutory trust on January 30, 2007. Prior to commencing operations on May 30, 2007, the Trust had no operations other than matters relating to its

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

organization and registration as a diversified, closed-end management investment company under the Investment Company Act of 1940, as amended. The investment objective of the Trust is to provide a high level of current income and, as a secondary objective, the Trust may seek capital appreciation to the extent that it is consistent with its investment objective.

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

The Trust invests in below investment grade (high yield) debt securities, floating rate loans and event-linked bonds sometimes referred to as "catastrophe" bonds or "insurance-linked" bonds. The Trust may invest in securities and other obligations of any credit quality, including those that are rated below investment grade, or are unrated but are determined by the investment adviser to be of equivalent credit quality. 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. These securities involve greater risk of loss, are subject to greater price volatility, and are less liquid, especially during periods of economic uncertainty or change, than higher rated debt securities. The Trust may invest in securities of issuers that are in default or that are in bankruptcy.

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

The Trust's financial statements have been prepared in conformity with U.S. generally accepted accounting principles that require the management of the Trust to, among other things, make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts

44 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

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

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

A. Security Valuation

Security transactions are recorded as of trade date. The net asset value of the Trust is computed once daily, on each day the New York Stock Exchange (NYSE) is open, as of the close of regular trading on the NYSE. Investments in loan interests are valued in accordance with guidelines established by the Board of Trustees at the mean between the last available bid and asked prices from one or more brokers or dealers as obtained from Loan Pricing Corporation. For the limited number of loan interests for which no reliable price quotes are available, such loan interests will be valued by Loan Pricing Corporation through the use of pricing matrices to determine

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

valuations. Fixed income securities with remaining maturity of more than sixty days are valued at prices supplied by independent pricing services, which consider such factors as market prices, market events, quotations from one or more brokers, Treasury spreads, yields, maturities and ratings. Valuations may be supplemented by dealers and other sources, as required. Equity securities are valued at the last sale price on the principal exchange where they are traded. Securities or loans for which market prices and/or quotations are not readily available or are considered to be unreliable are valued using fair value methods pursuant to procedures adopted by the Board of Trustees.

The Trust may use the fair value methods if it is determined that a significant event has occurred after the close of the exchange or market on which the security trades and prior to the determination of the Trust's net asset value. Thus, the valuation of the Trust's securities may differ from exchange prices. At April 30, 2010, 7 securities were valued using fair value methods (other than securities valued using prices supplied by independent pricing services) representing 0.9% of net assets. Inputs used in the valuation of a security using fair value methods include credit ratings, the financial condition of the company, current market conditions and comparable securities. Short-term income securities with remaining maturities of sixty days or less generally are valued at amortized cost. Money market mutual funds are valued at net asset value.

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 45

an accrual basis, net of unrecoverable foreign taxes withheld at the applicable country rates.

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

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

B. Foreign Currency Translation

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

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

C. Forward Foreign Currency Contracts

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

D. Federal Income Taxes

It is the Trust's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute all of its taxable income and net realized capital gains, if any, to its shareowners. Therefore, no federal income tax provision is required. Tax years for the prior two fiscal years remain subject to examination by tax authorities.

The amounts and characterizations of distributions to shareowners for financial reporting purposes are determined in accordance with federal

46 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

income tax rules. Therefore, the sources of the Trust's distributions may be shown in the accompanying financial statements as either from or in excess of net investment income or net realized gain (loss) on investment and foreign currency transactions, or from paid-in capital, depending on the type of book/tax differences that may exist.

At April 30, 2010, the Trust reclassified \$158,601 to decrease distributions in excess of net investment income and to increase net realized loss on investments to reflect permanent book/tax differences. The reclassification has no impact on the net assets of the Trust and presents the Trust's capital accounts on a tax basis.

At April 30, 2010, the Trust had a net capital loss carryforward of \$22,593,756 of which the following amounts will expire between 2016 and 2018 if not utilized: \$231,744 in 2016, \$413,150 in 2017 and \$21,948,862 in 2018.

The Trust has elected to defer approximately \$2,026,829 of capital losses recognized between November 1, 2009 and April 30, 2010 to its fiscal year ending April 30, 2011.

The tax character of distributions paid to shareowners during the years ended April 30, 2010 and April 30, 2009 was as follows:

	2010	2009
Distributions paid from:		
Ordinary income	\$13,800,249	\$20,135,595
Tax return of capital	2,651,977	371,077

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Total	\$16,452,226	\$20,506,672
-------	--------------	--------------

The following shows the components of distributable earnings (loss) on a federal income tax basis at April 30, 2009.

Distributable earnings:	
Capital loss carryforward	\$ (22,593,756)
Post-October loss deferred	(2,026,829)
Dividends payable	(1,311,235)
Unrealized depreciation	(696,999)
Total	\$ (26,628,819)

The difference between book-basis and tax-basis unrealized depreciation is primarily attributable to the tax deferral of losses on wash sales, the realization for tax purposes of unrealized gains on investments in passive foreign investment companies, the book/tax differences in the accrual of income on securities in default, the difference between book and tax amortization

methods for premiums and discounts on fixed income securities and other book/tax temporary differences.

E. Repurchase Agreements

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

F. Securities Lending

The Trust lends securities in its portfolio to certain broker-dealers or other institutional investors. When entering into a securities loan transaction, the Trust typically receives cash collateral from the borrower equal to at least the fair value of the securities loaned, which is invested in temporary investments. Credit Suisse AG, New York Branch, as the Trust's securities lending agent, manages the Trust's securities lending collateral. The income earned on the investment of collateral is shared with the borrower and the lending agent in payment of any rebate due to the borrower with respect to the securities loan, and in compensation for the lending agent's

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

services to the Trust. The Trust also continues to receive payments in lieu of dividends or interest on the securities loaned. Gain or loss on the fair value of the loaned securities that may occur during the term of the loan will be for the account of the Trust. The amount of the collateral is required to be adjusted daily to reflect any price fluctuation in the fair value of the loaned securities. If the required fair value of the collateral is less than the fair value of the loaned securities, the borrower is required to deliver additional collateral for the account of the Trust prior to the close of the next business day. The Trust has the right, under the lending agreement, to terminate the loan and recover the securities from the borrower with prior notice. The Trust is required to return the cash collateral to the borrower and could suffer a loss if the fair value of the collateral, as invested, has declined.

G. Automatic Dividend Reinvestment Plan

All common shareowners whose shares are registered in their own names automatically participate in the Automatic Dividend Reinvestment Plan (the Plan), under which participants receive all dividends and capital gain distributions (collectively, dividends) in full and fractional common shares of the Trust in lieu of cash. Shareowners may elect not to participate in the Plan. Shareowners not participating in the Plan receive all dividends and capital gain distributions in cash. Participation in the Plan is completely voluntary

48 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

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.

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

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

be due on dividends paid in any taxable year. Shareowners holding Plan shares in a brokerage account may not be able to transfer the shares to another broker and continue to participate in the Plan.

2. Management Agreement

PIM, a wholly owned indirect subsidiary of UniCredit S.p.A. (UniCredit) manages the Trust's portfolio. Management fees payable under the Trust's Advisory Agreement with PIM are calculated daily at the annual rate of 0.85% of the Trust's average daily managed assets. "Managed assets" means (a) the total assets of the Trust, including any form of investment leverage, minus (b) all accrued liabilities incurred in the normal course of operations, which shall

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 49

not include any liabilities or obligations attributable to investment leverage obtained through (i) indebtedness of any type (including, without limitation, borrowing through a credit facility or the issuance of debt securities), (ii) the issuance of preferred stock or other similar preference securities, and/or (iii) any other means. For the year ended April 30, 2010, the net management fee (excluding waivers and reimbursements) was equivalent to 0.85% of the Trust's average daily managed assets, which was equivalent to 1.17% of the Trust's average daily net assets.

In addition, under PIM's management and administration agreements, certain other services and costs are paid by PIM and reimbursed by the Trust. At April 30, 2010, \$160,247 was payable to PIM related to management costs, administrative costs and certain other services and it is included in "Due to affiliates" on the Statement of Assets and Liabilities.

PIM has retained Princeton Administrators, LLC (Princeton) to provide certain administrative and accounting services to the Trust on its behalf. PIM pays Princeton a monthly fee at an annual rate equal to 0.07% of the Trust's average daily managed assets up to \$500 million and 0.03% of 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. Effective September 30, 2010, Princeton has notified PIM that it will resign as administrators of the Trust.

PIM has entered into a Research Services Agreement with Montpelier Capital Advisors, Ltd. (Montpelier). Under the research services agreement, Montpelier will provide research services to PIM with regard to event-linked bonds. PIM pays Montpelier a flat fee of \$325,000 annually. Montpelier received no compensation directly from the Trust.

Also, PIM had agreed for the first three years of the Trust's investment operations to limit the Trust's total annual expenses, excluding offering costs for common shares, interest expense, the cost of defending or prosecuting any claim or litigation to which the Trust is a party (together with any amount in judgment or settlement), indemnification expense or taxes incurred due to the failure of the Trust to qualify as a regulated investment company under the Code or any other non-recurring or non-operating expenses, to 0.90% of the Trust's average daily managed assets in year one, 0.95% of the Trust's average daily managed assets in year two and 1.00% of the Trust's average daily managed assets in year three. This is a contractual limit and may not be terminated by the adviser during the three year period which will terminate on May 30, 2010. For the year ended April 30, 2010 the expense reduction under such arrangement was \$320,918.

3. Transfer Agents

Pioneer Investment Management Shareholder Services, Inc. (PIMSS), a wholly owned indirect subsidiary of UniCredit, through a sub-transfer agency agreement with American Stock Transfer & Trust Company, provides substantially all transfer agent and shareowner services related to the Trust at negotiated rates.

In addition, the Trust reimburses PIMSS for out-of-pocket expenses incurred by PIMSS related to shareowner communications activities such as proxy and statement mailings and outgoing phone calls.

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 year ended April 30, 2010, the Trust expenses were reduced by \$5 under such arrangement.

5. Forward Foreign Currency Contracts

During the year ended April 30, 2010, the Trust had entered into various contracts that obligate the Trust to deliver or take delivery of currencies at specified future maturity dates. Alternatively, prior to the settlement date of a forward foreign currency contract, the Trust may close out such contract by entering into an offsetting hedge contract. The average number of contracts open during the year ended April 30, 2010 was 2,421,667.

As of April 30, 2010, the Trust had no outstanding portfolio hedges and no forward currency settlement contracts.

6. Loan Agreement

Effective February 6, 2010, the Trust amended an existing \$80,000,000 Revolving Credit Facility (the Credit Agreement) with the Bank of Nova Scotia.

At April 30, 2010, the Trust had a borrowing outstanding under the Credit Agreement totaling \$67,000,000. The interest rate charged at April 30, 2010 was 1.399%. During year ended April 30, 2010, the average daily balance was \$54,528,767 at a weighted average interest rate of 2.20%. With respect to the loan, interest expense of \$1,218,945 is included in the Statement of Operations.

The Trust is required to maintain 300% asset coverage with respect to amounts outstanding under the Credit Agreement. Asset coverage is calculated by subtracting the Trust's total liabilities, not including any bank loans and senior securities, from the Trust's total assets and dividing such amount by the principal amount of the borrowings outstanding. As of the date indicated below, the Trust's debt outstanding and asset coverage were as follows:

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Date	Total Amount Outstanding	Asset coverage per \$1,000 of Indebtedness
4/30/10	\$67,000,000	\$3,467

7. Trust Shares

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

Transactions in common shares of beneficial interest for the years ended April 30, 2010 and April 30, 2009 were as follows:

	2010	2009
Shares outstanding at beginning of year	8,165,927	8,154,188
Reinvestment of distributions	29,291	11,739
Shares outstanding at end of year	8,195,218	8,165,927

8. Additional Disclosures about Derivative Instruments and Hedging Activities:

The effect of derivative instruments on the Statement of Operations for the year ended April 30, 2010 was as follows:

Derivatives Not Accounted for as Hedging Instruments under Accounting Standards Codification (ASC) 815 (formerly Statement 133)	Location of Gain or (Loss) On Derivatives Recognized in Income	Realized Gain or (Loss) on Derivatives Recognized in Income	Change in Unrealized or (Loss) Derivati Recogniz in Inco
Foreign Exchange Contracts	Net realized gain (loss) on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	\$114,721	
Foreign Exchange Contracts	Change in net unrealized gain (loss) on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies		\$31,83

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

9. Subsequent Events

Subsequent to April 30, 2010, the Board of Trustees of the Trust declared a dividend from undistributed net investment income of \$0.16 per common share payable May 28, 2010, to shareowners of record on May 14, 2010.

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

52 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Report of Independent Registered Public Accounting Firm

To the Board of Trustees and the Shareowners of
Pioneer Diversified High Income Trust:

We have audited the accompanying statement of assets and liabilities of Pioneer Diversified High Income Trust (the "Trust"), including the schedule of investments, as of April 30, 2010, and the related statements of operations and cash flows for the year then ended, the statements of changes in net assets for each of the two years in the period then ended and the financial highlights for each of the periods indicated therein. These financial statements and financial highlights are the responsibility of the Trust's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. We were not engaged to perform an audit of the Trust's internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Trust's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements and financial highlights, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of April 30, 2010, by correspondence with the custodian, agent banks, and brokers or by other appropriate auditing procedures where replies from brokers were not received. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of Pioneer Diversified High Income Trust at April 30, 2010, the results of its operations and its cash flows for the year then ended, the changes in its net assets for each of the two years in the period then ended and the financial highlights for each of the periods indicated therein, in conformity with U.S. generally accepted accounting principles.

/s/ Ernst & Young LLP

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Boston, Massachusetts
June 22, 2010

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 53

ADDITIONAL INFORMATION (unaudited)

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

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

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.

Results of Shareholder Meeting (unaudited)

At the annual meeting of shareowners held on September 22, 2009, and adjourned to October 8, 2009 with respect to Proposal 2, shareowners of Pioneer Diversified High Income Trust were asked to consider the proposals described below. A report of the total votes cast by the Trust's shareholders follows:

Proposal 1 -- To elect Class II Trustees.

Nominee	For	Withheld
Mary K. Bush	5,239,303	173,207
Thomas J. Perna	5,270,819	141,691
Marguerite A. Piret	5,251,980	160,530

Proposal 2 -- To approve an Amended and Restated Management Agreement with Pioneer Investment Management, Inc.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

For	Against	Abstain	Broker Non-Votes
3,645,869	95,651	114,518	1,486,898

54 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

IMPORTANT TAX INFORMATION (unaudited)

The following information is provided with respect to the ordinary income distributions paid by Pioneer Diversified High Income Trust during the fiscal year ended April 30, 2010:

Interest-Related Dividends for Non-U.S. Residents 78.24%*

 * Represents the portion of the taxable ordinary income dividends eligible for exemption from U.S. withholding tax for nonresident aliens and foreign corporations.

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 55

Approval of Investment Advisory Agreement (unaudited)

Pioneer Investment Management, Inc. (PIM) serves as the investment adviser to Pioneer Diversified High Income Trust (the Trust) pursuant to an investment advisory agreement between PIM and the Trust. In order for PIM to remain the investment adviser of the Trust, the Trustees of the Trust must determine annually whether to renew the investment advisory agreement for the Trust.

The contract review process began in March 2009 as the Trustees of the Trust agreed on, among other things, an overall approach and timeline for the process. In July 2009, the Trustees approved the format of the contract review materials and submitted their formal request to PIM to furnish information necessary to evaluate the terms of the investment advisory agreement. The contract review materials were provided to the Trustees in August 2009. After reviewing and discussing the materials, the Trustees submitted a request for additional information to PIM in September 2009, and materials were provided in response to this request. Meetings of the independent Trustees of the Trust were held in July, September, October, and November, 2009 to review and discuss the contract review materials. In addition, the Trustees took into account the information related to the Trust provided to the Trustees at each regularly scheduled meeting.

At a meeting held on November 10, 2009, based on their evaluation of the information provided by PIM and third parties, the Trustees of the Trust, including the independent Trustees voting separately, unanimously approved the renewal of the investment advisory agreement for another year. In considering the renewal of the investment advisory agreement, the Trustees considered various factors that they determined were relevant, including the factors described below. The Trustees did not identify any single factor as the

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

controlling factor in determining to approve the renewal of the agreement.

Nature, Extent and Quality of Services

The Trustees considered the nature, extent and quality of the services that had been provided by PIM to the Trust, taking into account the investment objective and strategy of the Trust. The Trustees reviewed the terms of the investment advisory agreement. The Trustees also reviewed PIM's investment approach for the Trust, its research process and its process for trade execution. The Trustees considered the resources of PIM and the personnel of PIM who provide investment management services to the Trust. The Trustees considered the non-investment resources and personnel of PIM involved in PIM's services to the Trust, including PIM's compliance and legal resources and personnel. The Trustees also considered the substantial attention and high priority given by PIM's senior management to the Pioneer fund complex.

56 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

The Trustees considered that PIM supervises and monitors the performance of the Trust's service providers and provides the Trust with personnel (including Trust officers) and other resources that are necessary for the Trust's business management and operations. The Trustees also considered that, as administrator, PIM is responsible for the administration of the Trust's business and other affairs. The Trustees considered the fees paid to PIM for the provision of administration services.

Based on these considerations, the Trustees concluded that the nature, extent and quality of services that had been provided by PIM to the Trust were satisfactory and consistent with the terms of the investment advisory agreement.

Performance of the Trust

The Trustees considered the performance results of the Trust over various time periods. They reviewed information comparing the Trust's performance with the performance of its peer group of funds as classified by Morningstar, Inc. (Morningstar), an independent provider of investment company data, and with the performance of the Trust's benchmark index. The Trustees considered that the Trust's annualized total return was in the second quintile of its Morningstar category for the one year period ended June 30, 2009. (In all quintile rankings referred to throughout this disclosure, first quintile is most favorable to the Trust's shareowners. Thus, highest relative performance would be first quintile and lowest relative expenses would also be first quintile.) The Trustees considered that the Trust's yield (at market value) was better than the average yield (at market value) of the funds in its peer group as of June 30, 2009. The Trustees noted that the yield of the Trust also compared favorably to the blended yield of the Trust's primary and secondary benchmarks as of June 30, 2009. The Trustees reviewed data provided by Pioneer showing how leverage had benefited the Trust's common shareholders. The Trustees concluded that the investment performance of the Trust was satisfactory.

Management Fee and Expenses

The Trustees considered information on the fees and expenses of the Trust in comparison to the management fees and the expense ratios of a peer group of funds selected on the basis of criteria determined by the independent Trustees for this purpose using data provided by Strategic Insight Mutual Fund Research and Consulting, LLC (Strategic Insight), an independent third party.

The Trustees considered that the Trust's management fee rate based on net assets attributable to common shares for the twelve months ended June 30, 2009 was in the fifth quintile relative to the management fees paid by other funds in its Strategic Insight peer group for the comparable period. The Trustees noted that the Trust has not issued preferred shares, but did have debt outstanding, and

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

considered the effect of leverage on the Trust's management fee relative to its peers by reviewing the management fee ratios of the Trust and its peers based on managed assets rather than net assets attributable to common

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 57

shares. The Trustees also noted that the Trust is a specialized fund, and that additional skills and research are required in order to implement the Trust's investment strategy.

The Trustees also considered that the Trust's expense ratio based on net assets attributable to common shares for the twelve months ended June 30, 2009 was in the fourth quintile relative to its Strategic Insight peer group for the comparable period. The Trustees considered the effect of leverage on the Trust's expense ratio relative to its peers by reviewing such expense ratios based on managed assets rather than net assets attributable to common shares. The Trustees noted the impact of the Trust's higher relative management fee on its expense ratio. The Trustees also considered the impact of leverage on the expense ratio of the Trust and its peers by reviewing such expense ratios without giving effect to interest expense (but acknowledging that auction agent fees were difficult to isolate and exclude).

The Trustees also reviewed management fees charged by PIM to its institutional and other clients. In evaluating the fees associated with PIM's client accounts, the Trustees took into account the respective demands, resources and complexity associated with the Trust and client accounts. The Trustees noted that in some instances the fee rates for those clients were lower than the management fee for the Trust and considered that, under the investment advisory agreement with the Trust, PIM performs additional services for the Trust that it does not provide to those other clients or services that are broader in scope, including oversight of the Trust's other service providers and activities related to compliance and the extensive regulatory and tax regimes to which the Trust is subject.

The Trustees concluded that the management fee payable by the Trust to PIM was reasonable in relation to the nature and quality of the services provided by PIM. The Trustees also concluded that the Trust's expense ratio was reasonable taking into account the nature and quality of services provided by PIM.

Profitability

The Trustees considered information provided by PIM regarding the profitability of PIM with respect to the advisory services provided by PIM to the Trust, including the methodology used by PIM in allocating certain of its costs to the management of the Trust. The Trustees also considered PIM's profit margin in connection with the overall operation of the Trust. They further reviewed the financial results realized by PIM and its affiliates from non-fund businesses. The Trustees considered PIM's profit margins with respect to the Trust in comparison to the limited industry data available and noted that the profitability of any adviser was affected by numerous factors, including its organizational structure and method for allocating expenses. The Trustees concluded that PIM's profitability with respect to the management of the Trust was not unreasonable.

58 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Economies of Scale

The Trustees considered the extent to which PIM may realize economies of scale or other efficiencies in managing and supporting the Trust. Since the Trust is a

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

closed-end fund that has not raised additional capital, the Trustees concluded that economies of scale were not a relevant consideration in the renewal of the investment advisory agreement.

Other Benefits

The Trustees considered the other benefits to PIM from its relationship with the Trust. The Trustees considered the character and amount of fees paid by the Trust, other than under the investment advisory agreement, for services provided by PIM and its affiliates. The Trustees further considered the revenues and profitability of PIM's businesses other than the fund business. The Trustees considered the intangible benefits to PIM by virtue of its relationship with the Trust and the other Pioneer funds. The Trustees concluded that the receipt of these benefits was reasonable in the context of the overall relationship between PIM and the Trust.

Conclusion

After consideration of the factors described above as well as other factors, the Trustees, including all of the independent Trustees, concluded that the investment advisory agreement between PIM and the Trust, including the fees payable thereunder, was fair and reasonable and voted to approve the proposed renewal of the investment advisory agreement for the Trust.

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 59

Trustees, Officers and Service Providers

Investment Adviser
Pioneer Investment Management, Inc.

Custodian
Brown Brothers Harriman & Co.

Independent Registered Public Accounting Firm
Ernst & Young LLP

Legal Counsel
Bingham McCutchen LLP

Transfer Agent
Pioneer Investment Management Shareholder Services, Inc.

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

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>.

Trustees and Officers

The Board of Trustees provides broad supervision over the Trust's affairs. The officers of the Trust are responsible for the Trust's operations. The Trustees and officers are listed below, together with their principal occupations during

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

the past five years. Trustees who are interested persons of the Trust within the meaning of the 1940 Act are referred to as Interested Trustees. Trustees who are not interested persons of the Trust are referred to as Independent Trustees. Each of the Trustees, except Mr. West, serves as a Trustee of each of the 57 U.S. registered investment portfolios for which Pioneer serves as investment adviser (the Pioneer Funds). Mr. West serves as a Trustee of 44 U.S. registered investment portfolios for which Pioneer serves as investment adviser. The address for all Trustees and all officers of the Trust is 60 State Street, Boston, Massachusetts 02109.

60 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Interested Trustees

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation During Past Five Years
John F. Cogan, Jr. (83)*	Chairman of the Board, Trustee and President	Class III Trustee since 2007. Term expires in 2010. Elected by Pre- ferred Shares only.	Non-Executive Chairman Director of Pioneer I Management USA Inc. (P Chairman and a Direct Pioneer; Chairman and Pioneer Institutional Management, Inc. (sin Director of Pioneer A Investment Management (Dublin); President a tor of Pioneer Altern Investment Management Limited and affiliate Deputy Chairman and a Pioneer Global Asset S.p.A. ("PGAM") (unti 2010); Director of PI Estate Investment Fun (until June 2006); Di Nano-C, Inc. (since 2 Director of Cole Mana (since 2004); Directo Fiduciary Counseling, President and Directo Funds Distributor, In (until May 2006); Pre of the Pioneer Funds; Counsel, Wilmer Cutle Hale and Dorr LLP
Daniel K. Kingsbury (51)*	Trustee and Executive Vice President	Class I Trustee since 2007. Term expires in 2011.	Director, CEO and Pre USA (since February 2 Director and Presiden and Pioneer Instituti Management, Inc. (sin 2007); Executive Vice of all of the Pioneer March 2007); Director

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

(2007 - 2010); Head of
Division, PGAM (2000
of New Markets Divisi
(2005 - 2007)

* Mr. Cogan and Mr. Kingsbury are Interested Trustees because each is an officer or director of the investment adviser and certain of its affiliates.

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 61

Independent Trustees

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation During Past Five Years
David R. Bock (66)	Trustee	Class III Trustee since 2007. Term expires in 2010.	Interim Chief Executive Officer, Oxford Analytica, Inc. (held research and consulting company) (2010); Managing Director, Federal City Capital (corporate advisory services company) (1997 to 2007, present); Executive Vice President and Chief Financial Officer, I-trax, Inc. (publicly traded health care services company) (2004 - 2007); and Executive Vice President and Chief Financial Officer, Pedestal Inc. (internet-based mortgage company) (2000 - 2002)

62 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation During Past Five Years
Mary K. Bush (62)	Trustee	Class II Trustee since 2007. Term expires in 2012.	President, Bush International (international financial services firm) (1991 - present); Director, Federal Housing Board (oversight of Federal Loan Bank system) (1991 - present); Vice President and Head of International Finance, National Mortgage Assn.

(1988 - 1989); U.S. A
 Executive Director, I
 Monetary Fund (1984 -
 Executive Assistant t
 Secretary of the U.S.
 U.S. Treasury Departm
 1984); Vice President
 Leader in Corporate B
 Bankers Trust Co. (19

Independent Trustees (continued)

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation During Past Five Years
Benjamin M. Friedman (65)	Trustee	Class I Trustee since 2008. Term expires in 2011.	William Joseph Maier Prof Political Economy, Harvar University (1972 - presen

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Margaret B.W. Graham (62)	Trustee	Class I Trustee since 2007. Term expires in 2011.	Founding Director, Vice-President and Corporate Secretary, Winthrop Group, Inc. (con-firm); and Desautels Faculty Management, McGill University - present); and Manager of Operations and Organization Learning, Xerox PARC, Xerox Advance Research Center (1994)
Thomas J. Perna (59)	Trustee	Class II Trustee since 2007. Term expires in 2012.	Chairman and Chief Executive Officer, Quadriserv, Inc. (technology products for lending industry) (2008 - Private investor (2004 - Senior Executive Vice President The Bank of New York (financial securities services) (1981 - present)
Marguerite A. Piret (61)	Trustee	Class II Trustee since 2007. Term expires in 2012. Elected by Preferred Shares only.	President and Chief Executive Officer, Newbury, Piret & Inc. (investment banking (1981 - present)

64 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation During Past Five Years
Stephen K. West (81)	Trustee	Class III Trustee since 2007. Term expires in 2010.	Senior Counsel, Sullivan LLP (law firm) (1998 - present) Partner, Sullivan & Cromwell (prior to 1998)

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Trust Officers

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation During Past Five Years
Christopher J. Kelley (45)	Assistant Secretary	Since 2007. Serves at the discretion of the Board.	Vice President and Associate General Counsel of Pioneer January 2008 and Assistant Secretary of all of the Pioneer Funds since September 2007. President and Senior Counsel of Pioneer from July 2002 to 2007.
Mark E. Bradley (50)	Treasurer	Since 2008. Serves at the discretion of the Board.	Vice President - Fund Accounting, Administration and Controlling Services of Pioneer; Treasurer of all of the Pioneer Funds since March 2008; Director of Pioneer from 2004 to February 2008; Assistant Treasurer of all of the Pioneer Funds from March 2004 to 2008.
Luis I. Presutti (45)	Assistant Treasurer	Since 2007. Serves at the discretion of the Board.	Assistant Vice President - Accounting, Administration and Controlling Services of Pioneer; and Assistant Treasurer of all of the Pioneer Funds.
Gary Sullivan (52)	Assistant Treasurer	Since 2007. Serves at the discretion of the Board.	Fund Accounting Manager - Accounting, Administration and Controlling Services of Pioneer; and Assistant Treasurer of all of the Pioneer Funds.
David F. Johnson (30)	Assistant Treasurer	Since 2009. Serves at the discretion of the Board.	Fund Administration Manager - Accounting, Administration and Controlling Services of Pioneer since November 2008 and Assistant Treasurer of all of the Pioneer Funds since January 2009; Service Manager - Institutional Investor Services at State Bank from March 2003 to March 2008.

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation During Past Five Years
--------------	------------------------------	--------------------------------------	---

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Jean M. Bradley (57)	Chief Compliance Officer	Since 2010. Serves at the discretion of the Board.	Chief Compliance Officer Pioneer and of all the Pi Funds since March 2010; D of Adviser and Portfolio Compliance at Pioneer sin October 2005; Senior Comp Officer for Columbia Mana Advisers, Inc. from Octob to October 2005
----------------------	--------------------------	--	---

The outstanding capital stock of PFD, Pioneer and Pioneer Investment Management Shareholder Services, Inc. (PIMSS) is indirectly wholly owned by UniCredit S.p.A. (UniCredit), one of the largest banking groups in Italy. Pioneer, the Trust's investment adviser, provides investment management and financial services to mutual funds, institutional and other clients.

Pioneer Diversified High Income Trust | Annual Report | 4/30/10 67

This page for your notes.

68 Pioneer Diversified High Income Trust | Annual Report | 4/30/10

How to Contact Pioneer

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

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

Account Information 1-800-710-0935

Or write to AST:

For

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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 also may 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 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.

ITEM 2. CODE OF ETHICS.

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

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

(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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

Not applicable.

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

Not applicable.

(f) The registrant must:

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

compensatory fee from the issuer; or

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

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

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

Not applicable.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

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

Audit Fees

Fees for audit services provided to the Trust, including fees associated with the filings to update its Form N-2 and issuance of comfort letters, totaled approximately \$41,600 in 2010 and \$41,300 in 2009.

(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.

Audit-Related Fees

There were no audit-related fees for 2010 and 2009.

(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.

Tax Fees

Fees for tax compliance services, primarily for tax returns, totaled approximately \$8,290 and \$8,290 for 2010 and 2009, respectively.

(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.

All Other Fees

There were no other fees for 2010 and 2009.

(e) (1) Disclose the audit committee's pre-approval policies and procedures

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

described in paragraph (c) (7) of Rule 2-01 of Regulation S-X.

PIONEER FUNDS

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

SECTION I - POLICY PURPOSE AND APPLICABILITY

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

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

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

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

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

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 assistanceo SEC consultation, registration statements, and reportingo Tax accrual related matterso Implementation of new accounting standardso Compliance letters (e.g. rating agency letters)o Regulatory reviews and assistance regarding financial matterso Semi-annual reviews (if requested)o Comfort letters for closed end offerings
II. AUDIT-RELATED	Services which are not prohibited under Rule	<ul style="list-style-type: none">o AICPA attest and agreed-upon procedureso Technology control assessments

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

SERVICES 210.2-01(C)(4) (the "Rule") o Financial reporting control assessments
and are related extensions of o Enterprise security architecture
the audit services support the assessment
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.)

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 subcategorieso Specific approval is needed to exceed the pre-approved dollar limit for these services (see general Audit Committee approval policy below for details on obtaining specific approvals)o Specific approval is needed to use the Fund's auditors for Audit-Related Services not denoted as "pre-approved", or to add a specific service subcategory as "pre-approved" | <ul style="list-style-type: none">o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly. |
-
-

SECTION III - POLICY DETAIL, CONTINUED

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> o "One-time" pre-approval for the fund fiscal year within a specified dollar limit 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" 	<ul style="list-style-type: none"> 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 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	<ul style="list-style-type: none"> o Business Risk Management support o Other control and regulatory compliance projects

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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.

AUDIT COMMITTEE APPROVAL POLICY

AUDIT COMMITTEE REPORTING POLICY

- | | |
|---|---|
| <ul style="list-style-type: none"> o "One-time" pre-approval for the fund fiscal year within a specified dollar limit o Specific approval is needed to exceed the pre-approved dollar limits for these services (see general Audit Committee approval policy below for details on obtaining specific approvals) o Specific approval is 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" | <ul style="list-style-type: none"> 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*

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

- 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.

AUDIT COMMITTEE REPORTING POLICY

- 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.

Non-Audit Services

Beginning with non-audit service contracts entered into on or after May 6, 2003, the effective date of the new SEC pre-approval rules, the Trust's audit committee is required to pre-approve services to affiliates defined by SEC rules to the

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

extent that the services are determined to have a direct impact on the operations or financial reporting of the Trust. For the years ended April 30, 2010 and 2009, there were no services provided to an affiliate that required the Trust's audit committee pre-approval.

(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.

The aggregate non-audit fees for the Trust and affiliates, as previously defined, totaled approximately \$8,290 in 2010 and \$8,290 in 2009.

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

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

Item 5. Audit Committee of Listed Registrants

(a) If the registrant is a listed issuer as defined in Rule 10A-3 under the Exchange Act (17 CFR 240.10A-3), state whether or not the registrant has a separately-designated standing audit committee established in accordance with Section 3(a)(58)(A) of the Exchange Act (15 U.S.C. 78c(a)(58)(A)). If the registrant has such a committee, however designated, identify each committee member. If the entire board of directors is acting as the registrant's audit committee as specified in Section 3(a)(58)(B) of the Exchange Act (15 U.S.C. 78c(a)(58)(B)), so state.

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

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

N/A

Item 6. Schedule of Investments.

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

Included in Item 1

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

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

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

VERSION DATED July, 2004

Overview

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

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

Pioneer's Proxy Voting Procedures detail monitoring of voting, exception votes, and review of conflicts of interest and ensure that case-by-case votes are handled within the context of the overall guidelines (i.e. best interest of client). The overriding goal is that all proxies for US and non-US companies that are received promptly will be voted in accordance with Pioneer's policies or specific client instructions. All shares in a

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

company held by Pioneer-managed accounts will be voted alike, unless a client has given us specific voting instructions on an issue or has not delegated authority to us or the Proxy Voting Oversight Group determines that the circumstances justify a different approach.

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

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

1

Proxy Voting Procedures

Proxy Voting Service

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

Proxy Coordinator

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

Referral Items

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Coordinator will ask the Compliance Department to review the question for any actual or apparent conflicts of interest as described below under "Conflicts of

2

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

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

Conflicts of Interest

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

- o An affiliate of Pioneer, such as another company belonging to the UniCredito Italiano S.p.A. banking group (a "UniCredito Affiliate");
- o An issuer of a security for which Pioneer acts as a sponsor, advisor, manager, custodian, distributor, underwriter, broker, or other similar capacity (including those securities specifically declared by PGAM to present a conflict of interest for Pioneer);
- o An issuer of a security for which UniCredito has informed Pioneer that a UniCredito Affiliate acts as a sponsor, advisor, manager, custodian, distributor, underwriter, broker, or other similar capacity; or
- o A person with whom Pioneer (or any of its affiliates) has an existing, material contract or business relationship that was not entered into in the ordinary course of Pioneer's business.
- o Pioneer will abstain from voting with respect to companies directly or indirectly owned by UniCredito Italiano Group, unless otherwise directed by a client. In addition, Pioneer will inform PGAM Global Compliance and the PGAM Independent Directors before exercising such rights.

Any associate involved in the proxy voting process with knowledge of any apparent or actual conflict of interest must disclose such conflict to the Proxy Coordinator and the Compliance Department. The Compliance Department

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

will review each item referred to Pioneer to determine whether an actual or potential conflict of interest with Pioneer exists in connection with the proposal(s) to be voted upon. The review will be conducted by comparing the apparent parties affected by the proxy proposal being

3

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

Securities Lending

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

Share-Blocking

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

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

Record Keeping

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

- o Retains a copy of the proxy statement received (unless the proxy statement is available from the SEC's Electronic Data Gathering, Analysis, and Retrieval (EDGAR) system);
- o Retains a record of the vote cast;
- o Prepares Form N-PX for filing on behalf of each client that is a registered investment company; and
- o Is able to promptly provide Pioneer with a copy of the voting record upon its request.

4

The Proxy Coordinator shall ensure that for those votes that may require additional documentation (i.e. conflicts of interest, exception votes and

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

case-by-case votes) the following records are maintained:

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

Disclosure

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

Proxy Voting Oversight Group

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

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

Amendments

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

5

Proxy Voting Policies

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

All proxies that are received promptly will be voted in accordance with the specific policies listed below. All shares in a company held by

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Pioneer-managed accounts will be voted alike, unless a client has given us specific voting instructions on an issue or has not delegated authority to us. Proxy voting issues will be reviewed by Pioneer's Proxy Voting Oversight Group, which consists of the Director of Portfolio Management US, the Director of Investment Operations (the Proxy Coordinator), and the Director of Compliance.

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

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

Administrative

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

We will generally support these and similar management proposals:

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

6

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

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

Auditors

We normally vote for proposals to:

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

We will normally oppose proposals that require companies to:

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

Board of Directors

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

7

General Board Issues

Pioneer will vote for:

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

We will vote against:

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

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

Elections of Directors

In uncontested elections of directors we will vote against:

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

We will also vote against:

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

8

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

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

Takeover-Related Measures

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

Pioneer will vote for:

- o Cumulative voting.
- o Increase ability for shareholders to call special meetings.
- o Increase ability for shareholders to act by written consent.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

9

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

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

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

We will vote against:

- o Classified boards, except in the case of closed-end mutual funds.
- o Limiting shareholder ability to remove or appoint directors. We will support proposals to restore shareholder authority in this area. We will review on a case-by-case basis proposals that authorize the board to make interim appointments.
- o Classes of shares with unequal voting rights.
- o Supermajority vote requirements.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

- o Severance packages ("golden" and "tin" parachutes). We will support proposals to put these packages to shareholder vote.
- o Reimbursement of dissident proxy solicitation expenses. While we ordinarily support measures that encourage takeover bids, we believe that management should have full control over corporate funds.
- o Extension of advance notice requirements for shareholder proposals.
- o Granting board authority normally retained by shareholders (e.g., amend charter, set board size).
- o Shareholder rights plans ("poison pills"). These plans generally allow shareholders to buy additional shares at a below-market price in the event of a change in control and may deter some bids.

10

Capital Structure

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

Pioneer will vote for:

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

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

- o Reverse splits not accompanied by a reduction in number of shares, considering the risk of delisting.
- o Increase in authorized common stock. We will make a determination considering, among other factors:
 - o Number of shares currently available for issuance;
 - o Size of requested increase (we would normally approve increases of up to 100% of current authorization);
 - o Proposed use of the additional shares; and
 - o Potential consequences of a failure to increase the number of shares outstanding (e.g., delisting or bankruptcy).

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

- o Blank-check preferred. We will normally oppose issuance of a new class of blank-check preferred, but may approve an increase in a class already outstanding if the company has demonstrated that it uses this flexibility appropriately.
- o Proposals to submit private placements to shareholder vote.
- o Other financing plans.

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

11

Compensation

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

Pioneer will vote for:

- o 401(k) benefit plans.
- o Employee stock ownership plans (ESOPs), as long as shares allocated to ESOPs are less than 5% of outstanding shares. Larger blocks of stock in ESOPs can serve as a takeover defense. We will support proposals to submit ESOPs to shareholder vote.
- o Various issues related to the Omnibus Budget and Reconciliation Act of 1993 (OBRA), including:
 - o Amendments to performance plans to conform with OBRA;
 - o Caps on annual grants or amendments of administrative features;
 - o Adding performance goals; and
 - o Cash or cash-and-stock bonus plans.
 - o Establish a process to link pay, including stock-option grants, to performance, leaving specifics of implementation to the company.
 - o Require that option repricings be submitted to shareholders.
 - o Require the expensing of stock-option awards.
 - o Require reporting of executive retirement benefits (deferred compensation, split-dollar life insurance, SERPs, and pension benefits).
 - o Employee stock purchase plans where the purchase price is equal to at least 85% of the market price, where the offering period is no greater than 27 months and where potential dilution (as defined below) is no greater than 10%.

12

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

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

$$\text{Dilution} = (A + B + C) / (A + B + C + D), \text{ where}$$

A = Shares reserved for plan/amendment,

B = Shares available under continuing plans,

C = Shares granted but unexercised and

D = Shares outstanding.

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

We will vote against:

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

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

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

Corporate Governance

Pioneer will vote for:

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

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

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

We will vote against:

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

14

Mergers and Restructurings

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

- o Mergers and acquisitions.
- o Corporate restructurings, including spin-offs, liquidations, asset sales, joint ventures, conversions to holding company and conversions to self-managed REIT structure.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

- o Debt restructurings.
- o Conversion of securities.
- o Issuance of shares to facilitate a merger.
- o Private placements, warrants, convertible debentures.
- o Proposals requiring management to inform shareholders of merger opportunities.

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

Mutual Funds

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

Pioneer will vote for:

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

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

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

15

Social Issues

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

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

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

16

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

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

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

Additional Information About the Portfolio Managers

Other Accounts Managed by the Portfolio Managers. The table below indicates, for each portfolio manager of the fund, information about the accounts other than the fund over which the portfolio manager has day-to-day investment responsibility. All information on the number of accounts and total assets in the table is as of April 30, 2010. For purposes of the table, "Other Pooled Investment Vehicles" may include investment partnerships, undertakings for collective investments in transferable securities ("UCITS") and other non-U.S. investment funds and group trusts, and "Other Accounts" may include separate accounts for institutions or individuals, insurance company general or separate accounts, pension funds and other similar institutional accounts but generally do not include the portfolio manager's personal investment accounts or those which the manager may be deemed to own beneficially under the code of ethics. Certain funds and other accounts managed by the portfolio manager may have substantially similar investment strategies

Name of Portfolio Manager	Type of Account	Number of Accounts Managed	Total Assets Managed	Number of Accounts Managed for which Advisory Fee is Performance-Base
Charles Melchreit	Other Registered Investment Companies	3	\$458,501,000	N/A
	Other Pooled Investment Vehicles	2	\$448,065,000	N/A

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Name of Portfolio Manager	Type of Account	Number of Accounts Managed	Total Assets Managed	Number of Accounts Managed for which Advisory Fee is Performance-Based
	Other Accounts	3	1,482,841,000	N/A
Andrew Feltus	Other Registered Investment Companies	6	\$6,180,262,000	N/A
	Other Pooled Investment Vehicles	4	\$1,599,924,000	N/A
	Other Accounts	1	\$335,242,000	N/A
Jonathan Sharkey	Other Registered Investment Companies	2	\$522,857,000	N/A
	Other Pooled Investment Vehicles	0	\$0	N/A
	Other Accounts	1	\$56,524,000	N/A

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

structured its compensation arrangements in a manner that is intended to limit such potential for conflicts of interest. The funds investment subadviser also has adopted certain compliance procedures which are designed to address these types of conflicts. However, there is no guarantee that such procedures will detect each situation in which a conflict might arise. See "Compensation of Portfolio Managers" below.

- o A portfolio manager could favor one account over another in allocating new investment opportunities that have limited supply, such as initial public offerings and private placements. If, for example, an initial public offering that was expected to appreciate in value significantly shortly after the offering was allocated to a single account, that account may be expected to have better investment performance than other accounts that did not receive an allocation of the initial public offering. Generally, investments for which there is limited availability are allocated based upon a range of factors including available cash and consistency with the accounts' investment objectives and policies. This allocation methodology necessarily involves some subjective elements but is intended over time to treat each client in an equitable and fair manner. Generally, the investment opportunity is allocated among participating accounts on a pro rata basis. Although Pioneer believes that its practices are reasonably designed to treat each client in an equitable and fair manner, there may be instances where a fund may not participate, or may participate to a lesser degree than other clients, in the allocation of an investment opportunity.
- o A portfolio manager could favor one account over another in the order in which trades for the accounts are placed. If a portfolio manager determines to purchase a security for more than one account in an aggregate amount that may influence the market price of the security, accounts that purchased or sold the security first may receive a more favorable price than accounts that made subsequent transactions. The less liquid the market for the security or the greater the percentage that the proposed aggregate purchases or sales represent of average daily trading volume, the greater the potential for accounts that make subsequent purchases or sales to receive a less favorable price. When a portfolio manager intends to trade the same security on the same day for more than one account, the trades typically are "bunched," which means that the trades for the individual accounts are aggregated and each account receives the same price. There are some types of accounts as to which bunching may not be possible for contractual reasons (such as directed brokerage arrangements). Circumstances may also arise where the trader believes that bunching the orders may not result in the best possible price. Where those accounts or circumstances are involved, Pioneer will place the order in a manner intended to result in as favorable a price as possible for such client.
- o A portfolio manager could favor an account if the portfolio manager's compensation is tied to the performance of that account to a greater degree than other accounts managed by the portfolio manager. If, for example, the portfolio manager receives a bonus based upon the performance of certain accounts relative to a benchmark while other accounts are disregarded for this purpose, the portfolio manager will have a financial incentive to seek to have the accounts that determine the portfolio manager's bonus achieve the best possible performance to the possible detriment of other accounts. Similarly, if Pioneer receives a performance-based advisory fee, the portfolio manager may favor that account, whether or not the performance of that account directly determines the portfolio manager's compensation.
- o A portfolio manager could favor an account if the portfolio manager has a beneficial interest in the account, in order to benefit a large client

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

or to compensate a client that had poor returns. For example, if the portfolio manager held an interest in an investment partnership that was one of the accounts managed by the portfolio manager, the portfolio manager would have an economic incentive to favor the account in which the portfolio manager held an interest.

- o If the different accounts have materially and potentially conflicting investment objectives or strategies, a conflict of interest could arise. For example, if a portfolio manager purchases a security for one account and sells the same security for another account, such trading pattern may disadvantage either the account that is long or short. In making portfolio manager assignments, Pioneer seeks to avoid such potentially conflicting situations. However, where a portfolio manager is responsible for accounts with differing investment objectives and policies, it is possible that the portfolio manager will conclude that it is in the best interest of one account to sell a portfolio security while another account continues to hold or increase the holding in such security.

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

- o Quantitative Investment Performance. The quantitative investment performance calculation is based on pre-tax investment performance of all of the accounts managed by the portfolio manager (which includes the fund and any other accounts managed by the portfolio manager) over a one-year period (20% weighting) and four-year period (80% weighting), measured for periods ending on December 31. The accounts, which include the fund, are ranked against a group of mutual funds with similar investment objectives and investment focus (60%) and a broad-based securities market index measuring the performance of the same type of securities in which the accounts invest (40%), which, in the case of the fund, is the Merrill Lynch Global High Yield and Emerging Markets Index and the CSFB Leveraged Loan Index. As a result of these two benchmarks, the performance of the portfolio manager for compensation purposes is measured against the criteria that are relevant to the portfolio manager's competitive universe.
- o Qualitative Performance. The qualitative performance component with respect to all of the accounts managed by the portfolio manager includes objectives, such as effectiveness in the areas of teamwork, leadership, communications and marketing, that are mutually established and evaluated by each portfolio manager and management.
- o Pioneer Results and Business Line Results. Pioneer's financial performance, as well as the investment performance of its investment management group, affect a portfolio manager's actual bonus by a leverage factor of plus or minus (+/-) a predetermined percentage.

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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

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

Share Ownership by Portfolio Managers. The following table indicates as of April 30, 2010 the value, within the indicated range, of shares beneficially owned by the portfolio managers of the fund.

Name of Portfolio Manager	Beneficial Ownership of the Fund*
Charles Melchreit	A
Andrew Feltus	D
Jonathan Sharkey	B

*Key to Dollar Ranges

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

Interested Trustees:

John F. Cogan, Jr. (81)*	Chairman of the Board, Trustee and President	Class III Trustee since 2007. Term expires in 2010.	Deputy Chairman and a Director of Pioneer Global Asset Management S.p.A. ("PGAM"); Non-Executive Chairman and a Director of Pioneer Investment Management USA Inc. ("PIM-USA"); Chairman and a Director of Pioneer; Chairman and Director of Pioneer Institutional Asset Management, Inc. (since 2006); Director of Pioneer Alternative Investment Management Limited (Dublin); President and a Director of Pioneer Alternative Investment Management (Bermuda) Limited and affiliated funds; Director of PIOGLOBAL Real	None
--------------------------	--	---	--	------

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Estate Investment Fund (Russia) (until June 2006); Director of Nano-C, Inc. (since 2003); Director of Cole Management Inc. (since 2004); Director of Fiduciary Counseling, Inc.; President and Director of Pioneer Funds Distributor, Inc. ("PFD") (until May 2006); President of all of the Pioneer Funds; and Of Counsel, Wilmer Cutler Pickering Hale and Dorr LLP

Daniel K. Kingsbury (49)*

Trustee and Executive Vice President

Class I Trustee since 2007. Term expires in 2011.

Director, CEO and President of Pioneer Investment Management USA Inc., Pioneer Investment Management, Inc. and Pioneer Institutional Asset Management, Inc. (since March 2007); Executive Vice President of all of the Pioneer Funds (since March 2007); Director of Pioneer Global Asset Management S.p.A. (since March 2007); Head of New Markets Division, Pioneer Global Asset Management S.p.A. (2000-2007)

None

Independent Trustees:

David R. Bock (63)

Trustee

Class III Trustee since 2007. Term expires in 2010.

Executive Vice President and Chief Financial Officer, I-trax, Inc. (publicly traded health care services company) (2004 - present); Partner, Federal City Capital Advisors (boutique merchant bank) (1997 to 2004); and Executive Vice President and Chief Financial Officer, Pedestal Inc. (internet-based mortgage trading company) (2000-2002)

Director, Social (private house and Mort trad

Mary K. Bush (59)

Trustee

Class II Trustee since 2007. Term expires in 2009.

President, Bush International, LLC (international financial advisory firm)

Director, Corp iden spec prod Dire Stra manu UAL hold of M Corp secu

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Benjamin M. Friedman (64)	Trustee	Class I Trustee since 2008. Term expires in 2011.	Professor, Harvard University	Trustee
Margaret B.W. Graham (60)	Trustee	Class I Trustee since 2007. Term expires in 2011.	Founding Director, Vice-President and Corporate Secretary, The Winthrop Group, Inc. (consulting firm); and Desautels Faculty of Management, McGill University	None
Thomas J. Perna (57)	Trustee	Class II Trustee since 2007. Term expires in 2009.	Private investor (2004 - present); and Senior Executive Vice President, The Bank of New York (financial and securities services) (1986 - 2004)	Director
Marguerite A. Piret (59)	Trustee	Class II Trustee since 2007. Term expires in 2009.	President and Chief Executive Officer, Newbury, Piret & Company, Inc. (investment banking firm)	Director
Stephen K. West (79)	Trustee	Class III Trustee since 2007. Term expires in 2010.	Senior Counsel, Sullivan & Cromwell (law firm)	Director

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

Exchange Act (17 CFR 240.10b-18), made in the period covered by the report. Provide disclosures covering repurchases made on a monthly basis. For example, if the reporting period began on January 16 and ended on July 15, the chart would show repurchases for the months from January 16 through February 15, February 16 through March 15, March 16 through April 15, April 16 through May 15, May 16 through June 15, and June 16 through July 15.

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

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

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

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

ITEM 11. CONTROLS AND PROCEDURES.

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

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

registrant's internal control over financial reporting.

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

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

ITEM 12. EXHIBITS.

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

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

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

Filed herewith.

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 Diversified High Income Trust

By (Signature and Title)* /s/ John F. Cogan, Jr.
John F. Cogan, Jr, President

Date June 28, 2010

Pursuant to the requirements of the Securities Exchange Act of 1934 and the

Edgar Filing: Pioneer Diversified High Income Trust - Form N-CSR

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 June 28, 2010

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

Date June 28, 2010

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