

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

Pioneer Diversified High Income Trust  
Form N-CSR  
June 29, 2011

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

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

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED  
MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-22014

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, 2010 through April 30, 2011

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, 2011  
-----

Ticker Symbol: HNW

[LOGO] PIONEER  
Investments (R)

visit us: [pioneerinvestments.com](http://pioneerinvestments.com)

## Table of Contents

Letter to Shareowners	2
Portfolio Management Discussion	4
Portfolio Summary	9
Prices and Distributions	10
Performance Update	11
Schedule of Investments	12
Financial Statements	41
Financial Highlights	45
Notes to Financial Statements	47
Report of Independent Registered Public Accounting Firm	58
Approval of Investment Advisory Agreement	60
Trustees, Officers and Service Providers	64

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

President's Letter

Dear Shareowner,

The U.S. economy is moving forward on a slow path to recovery. We believe the theme for the economy in 2011 may be modest but positive growth. The private sector is showing signs of slow but steady improvement, led by higher capital investment, solid exports, improved consumption, and gradually rising demand for consumer auto loans and commercial loans. At the same time, the risks to a steady recovery remain substantial, including the continued delays in the housing sector's recovery, rising oil prices, and the fiscal drag of U.S. federal and state budget cuts. We are concerned about the long-term risk of inflation in an environment of accommodative Fed policy, continued low nominal and "real" interest rates and rising commodity prices.

The recovery process may occur more slowly than many would like, and will almost certainly be accompanied by short-term market swings. But our investment professionals are finding good opportunities to invest. Through the first quarter of 2011, although bonds remained popular with investors, we believed there was value in the equity market. In both equity and bond markets, we are finding good opportunities to invest using the same disciplined approach we have used at Pioneer since 1928, which is to focus on identifying undervalued individual securities with the greatest potential for success, carefully weighing risk against reward. Our teams of investment professionals continually monitor and analyze the relative valuations of different sectors and securities globally to help build portfolios that we believe can help you achieve your investment goals.

At Pioneer, we have long advocated the benefits of staying diversified and investing for the long term. The strategy has generally performed well for many investors. For instance, bond markets certainly rewarded investors for most of 2010, even though equity valuations seemed quite reasonable and were inexpensive relative to bonds and compared with historic levels -- conditions which represented potentially good value for long-term investors.

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 | 4/30/11

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](http://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

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

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 | 4/30/11 3

Portfolio Management Discussion | 4/30/11

Despite concerns early in the period that the global economic recovery might be fading, high-yield investments produced solid returns over the 12 months ended April 30, 2011. Lower-rated, higher-yielding securities were aided both by increasing evidence of improving business conditions and by added liquidity injections into the financial system from the U.S. Federal Reserve System (the Fed). In the following interview, Andrew Feltus discusses the factors that influenced the performance of Pioneer Diversified High Income Trust during the 12-month-period ended April 30, 2011. Mr. Feltus, senior vice president and portfolio manager at Pioneer, is a member of Pioneer's fixed-income team, and is responsible for the daily management of the Trust.

Q What was the high-yield investment environment like during the 12 months ended April 30, 2011?

A It was a generally positive period to be invested in high-yield corporate bonds, emerging market securities and other credit-sensitive investments, such as bank loans. The period did not, however, start out so positively. In the spring of 2010 investors were worried that the global economic rebound was losing energy and that the U.S. economy could even fall back into recession. Starting in August 2010, those fears eventually subsided and investor confidence returned, a positive development which continued through the end of the 12-month period. The rally in higher-yielding, lower-rated securities was propelled by two forces. First, the Fed's second round of quantitative easing, which involved Fed purchases of U.S. Treasury securities in the open market to inject more liquidity into the financial system, provided stimulus to the high-yield market. Second, investors saw growing signs that the economy was turning the corner and moving away from the risk of a "double-dip" recession. Corporate profits climbed, bank lending activity increased, consumer spending improved, and even the job market improved, although at a moderate pace.

Meanwhile, investors saw relatively low default rates in the high-yield bond market as further evidence of the credit-worthiness of lower-rated debt. As a consequence, the yield differences -- or yield spreads -- of high-yield bonds compared with Treasuries continued to contract and high-yield bonds outperformed other fixed-income securities. Consistent with the overall trends favoring higher-risk securities, lower-rated credits outperformed higher-rated securities within the high-yield universe. Floating-rate bank loans, however, tended to lag high-yield bonds in performance. As interest rates declined over the period, the floating-rate feature of existing bank loans kept their incomes from rising. At the same time, many companies that had borrowed money via bank loans repaid their existing loans and refinanced their debt at lower rates.

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

Q How did the Trust perform in that environment during the 12 months ended April 30, 2011?

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

A Pioneer Diversified High Income Trust produced a total return of 14.52% at net asset value and 17.95% at market price during the 12 months ended April 30, 2011, with shares of the Trust selling at a 4.5% premium to net asset value at the end of the period. During the same 12-month period, the Trust's custom benchmark returned 10.45%. The Trust's custom benchmark is based on equal weightings of the Bank of America Merrill Lynch Global High Yield and Emerging Markets Plus Index, which returned 13.42%, and the Credit Suisse (CS) Leveraged Loan Index, which returned 7.47%. Unlike the Trust, the custom benchmark is not leveraged. Over the same 12-month period ended April 30, 2011, the average return (at market price) of the 39 closed end funds in Lipper's Closed-End Fund High Yield (Leveraged) category, was 16.15%. On April 30, 2011, the Trust's 30-day SEC yield was 9.27%.

Q What were your principal strategies during the 12 months ended April 30, 2011, and how did they affect the Trust's performance?

A The Trust's largest investment focus remained on domestic, high-yield corporate bonds, which performed well during the 12-month period, both because of the rally in high-yield debt and because the Trust had very good security selection among high-yield investments, taking advantage of Pioneer's emphasis on fundamental analysis of high-yield debt instruments. At the end of the Trust's fiscal year on April 30, 2011, 38.8% of the Trust's total investment portfolio was invested in domestic high-yield corporate bonds.

Consistent with the diversified investment strategy we employ with the Trust, the portfolio also had healthy allocations to floating-rate bank loans, which represented 22.9% of the Trust's total investment portfolio as of April 30, 2011, emerging market and international high-yield securities, which accounted for 18.3% of the Trust's total investment portfolio, and catastrophe-linked bonds (also known as "event-linked" bonds), which accounted for 16.0% of the Trust's total investment portfolio. The emerging market and international high-yield component of the Trust's portfolio performed well over the 12 months ended April 30, 2011. Investments in floating-rate loans and catastrophe-linked bonds helped the Trust's performance early in the period, but were drags on performance over the final seven months of the Trust's fiscal year. The Trust's floating-rate loans were affected by declining interest rates late in the period, and the risk that companies would refinance their debt at lower interest rates. Catastrophe-linked bonds are securities sold by property-and-casualty reinsurance companies to spread out the risks associated with property claims from large national disasters. The March 2011 earthquake and resulting tsunami in Japan caused the entire catastrophe-linked group to decline in value. In addition,

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 5

the Trust also had a very small position in a catastrophe-linked bond issued by Muteki, which had direct exposure to the damage in Japan. The Muteki bond plummeted in value after the natural disaster hit.

The Trust's overall performance was good over the 12-month period, in terms of both current yield and total return. In managing Pioneer Diversified High Income Trust, we employ a buy-and-hold strategy, keeping the Trust's portfolio turnover relatively low -- especially the corporate bond holdings -- and focusing on maintaining a high current yield for distribution to investors. Our purchases and sales of securities for the Trust tend to occur when we see very attractive opportunities, when our opinion of a particular security has changed, or when a security is called away by the

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

issuing corporation. We tend to buy and sell floating-rate loans and catastrophe-linked bonds more frequently than corporate bonds.

Q What were some of the individual investments that affected the Trust's performance, either positively or negatively, during the 12 months ended April 30, 2011?

A The Trust had a number of holdings that performed very well during the 12-month period. Positive performers included the convertible securities of Hologic, a producer of medical devices; debt issued by Graham Packaging, which restructured its balance sheet by issuing new equity shares; and issues of Terremark Worldwide, which was acquired by another corporation. Other contributors to the Trust's performance included bonds of coffee chain Dunkin Donuts, chemical company Hexion/Momentive Specialty Materials, and automotive transmission corporation Altran Technologies.

Disappointments during the period, in addition to the catastrophe-linked bond of Muteki, included bonds of: Blaze Recycling, a metals recycling specialist that defaulted on company debt; Alliance One International, a tobacco processor; and Horizon Lines, a shipping company. The only investment in the Trust that defaulted was the debt of Blaze Recycling, which eventually was converted into equity.

Q Does the Trust use derivatives in its investment strategy?

A We do not use derivatives except for some small exposure to currency forward contracts intended to reduce the risk to the Trust's portfolio from fluctuations in currency values that could affect the value of investments denominated in foreign currencies. The exposure to forward contracts did not have a material effect on Trust performance.

Q Could you describe how leverage is used in managing the Trust?

A Leverage is used to increase the yield of the Trust. Leverage was obtained by borrowing from a bank. The borrowings were used to increase the amount of assets available to be invested in additional portfolio securities. As the

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

cost of borrowing is generally obtained at a lower interest rate than the returns produced by investing in additional portfolio securities, a higher level of income is generated for the Trust's common shareholders. This results in an increased yield.

Leverage may also have an impact on the common shareowners' total return (which is the combination of yield and the increase/decrease in the Trust's share price). As discussed above, leverage allows the Trust to invest in additional portfolio securities. By owning these additional securities at a time when the value of the underlying investments are rising, the total return of the Trust may be enhanced in the form of additional increases in the Trust's share price from holding the additional securities. However, when the values of the underlying portfolio securities are falling, the opposite may occur and total return may be reduced from the same effect.

Q How did the level of leverage employed by the Trust change over the 12 months ended April 30, 2011?

A At the end of the Trust's fiscal year on April 30, 2011, 28.5% of the Trust's total managed assets were financed by leverage, compared with 28.8% of the Trust's total managed assets being financed by leverage at the start of the

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

Trust's fiscal year (May 1, 2010).

Q What is your investment outlook?

A We think that high-yield bonds should be able to maintain their outperformance of other fixed-income sectors as the current economic expansion persists and corporate profits continue to grow. However, investors should not expect a repeat of the strong absolute returns high-yield bonds have generated over the past 18 months. We believe that investors also should be mindful that Treasury interest rates eventually could start to rise and that the trend will erode the performance of fixed-income securities in general, although high-yield bonds still have the potential to outperform.

Many of the Trust's corporate bond investments have been held in the Trust's portfolio since we acquired them at favorable prices in 2008 and 2009. Going forward, as the risk of higher interest rates increases, we may boost the Trust's exposures to both bank loans and catastrophe-linked bonds, as both sectors offer the advantage of floating interest rates that can move higher as market interest rates go up.

Please refer to the Schedule of Investments on pages 12-40 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.

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 7

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 the issuers' inability to meet their debt obligations.

The Trust may invest up to 50% of its total assets in illiquid securities. Illiquid securities may be difficult to dispose of at a fair price at the times when the Trust believes it is desirable to do so and their market price is generally more volatile than that of more liquid securities. Illiquid securities 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 incremental income or capital appreciation will not be sufficient to cover the cost of leverage, which may adversely affect the return for shareholders.

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

These risks may increase share price volatility.

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

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 opinion as of the date of this report. These statements should not be relied upon for any other purposes.

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

Portfolio Summary | 4/30/11

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	69.2%
Senior Floating Rate Loan Interests	22.9%
Temporary Cash Investments	2.3%
Convertible Bonds	2.2%
Asset Backed Securities	0.9%
Collateralized Mortgage Obligations	0.8%
Sovereign Debt Obligation	0.5%
Common Stock	0.4%
Municipal Bonds	0.3%
Preferred Stock	0.3%
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 Standard & Poor's ratings (S&P))

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

AAA	0.6%
AA	0.1%
A	0.5%
BBB	2.9%
BB	24.8%
B	39.4%
CCC	14.6%
CC	0.7%
D	0.1%
NR	16.3%

Bond ratings are ordered highest to lowest in portfolio. Based on S&P's measures, AAA (highest possible rating) through BBB are considered investment grade; BB or lower ratings are considered non-investment grade. Cash



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

equivalents and some bonds may not be rated.  
The portfolio is actively managed, and current holdings may be different.

### 10 Largest Holdings

(As a percentage of long-term holdings)\*

1.	Lodestone Re Ltd., 7.336%, 1/8/14 (144A)	1.18%
2.	Alliance One International, Inc., 10.0%, 7/15/16	0.88
3.	Lodestone Re Ltd., 8.36%, 5/17/13 (144A)	0.85
4.	Blue Fin, Ltd., 4.693%, 4/10/12 (144A)	0.84
5.	Successor X, Ltd., 14.637%, 4/4/13 (144A)	0.84
6.	Montana Re, Ltd., 16.71%, 1/8/14 (144A)	0.83
7.	Successor X, Ltd., 16.294%, 4/4/13 (144A)	0.83
8.	U.S.I. Holdings Corp., Tranche B Term Loan, 2.76%, 5/5/14	0.82
9.	Ineos Group Holdings Plc, 7.875%, 2/15/16 (144A)	0.81
10.	SunGard Data Systems, Inc., Tranche A U.S. Term Loan, 1.979%, 2/28/14	0.80

\* This list excludes temporary cash investments and derivative instruments. 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.

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 9

### Prices and Distributions | 4/30/11

#### Market Value per Common Share

	4/30/11	4/30/10
	\$ 21.95	\$ 20.46
Premium	4.5%	1.4%

#### Net Asset Value per Common Share

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

4/30/11

4/30/10

\$ 21.01

\$ 20.17

Distributions per Common Share: 5/1/10-4/30/11

Net Investment Income	Tax Return of Capital	Short-Term Capital Gains	Long-Term Capital Gains
\$ 1.92	\$ --	\$ --	\$ --

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

Performance Update | 4/30/11

### 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 Markets Plus Index (BofA ML Global HY and EMP Index) and CS Leveraged Loan Index.

Cumulative Total Returns  
(As of April 30, 2011)

Period	Net Asset Value (NAV)	Market Price
Life-of-Trust (5/30/07)	40.66%	40.34%
1 Year	14.52	17.95

[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 EMP Index  
50% CS Leveraged  
Loan Index

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

5/07	10000	10000
4/08	8933	9879
4/09	6868	8422
4/10	11898	11487
4/11	14034	12707

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

Performance data shown represents past performance. Past performance is no guarantee of future results. Investment return and market price will fluctuate, and your shares may trade below 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 BofA ML 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 CS Leveraged Loan Index is designed to mirror the investible universe of the U.S. dollar-denominated leveraged loan market. The CS 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.

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

Schedule of Investments | 4/30/11 (Consolidated)

---

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

---

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

		ASSET BACKED SECURITIES -- 1.2% of Net Assets	
		BANKS -- 0.7%	
		Thriffs & Mortgage Finance -- 0.7%	
246,741 (a)	AA+/Baa2	Ace Securities Corp., 1.113%, 12/25/34	\$
699,000 (a)	BBB+/Caa2	Carrington Mortgage Loan Trust, 0.413, 2/25/37	
488,956 (a)	CCC/NR	Countrywide Asset-Backed Certificates, 0.663%, 3/25/47 (144A)	
178,907 (a)	B-/B3	GSAMP Trust, 0.343%, 1/25/37	
555,197 (a)	CC/Ca	Lehman XS Trust, 0.563%, 12/25/35	
		Total Banks	\$ 1,
-----			
		DIVERSIFIED FINANCIALS -- 0.5%	
		Other Diversified Financial Services -- 0.4%	
1,116,931 (a)	B-/Caa1	Aircraft Finance Trust, 0.699%, 5/15/24 (144A)	\$
57,139 (a)	B-/Ba3	Aircraft Finance Trust, 0.719%, 5/15/24 (144A)	
			\$
-----			
		Specialized Finance -- 0.1%	
150,000	BBB-/Baa3	Dominos Pizza Master Issuer LLC, 5.261%, 4/25/37 (144A)	\$
		Total Diversified Financials	\$
-----			
		TOTAL ASSET BACKED SECURITIES	
		(Cost \$2,098,781)	\$ 2,
-----			
		COLLATERALIZED MORTGAGE OBLIGATIONS --	
		1.1% of Net Assets	
		BANKS -- 1.1%	
		Thriffs & Mortgage Finance -- 1.1%	
238,720 (a)	CCC/C	Countrywide Home Loans, 0.563%, 3/25/35	\$
489,658 (a)	CC/C	Downey Savings and Loan Association Mortgage Loan Trust, 0.584%, 10/19/45	
171,008 (a)	D/C	Downey Savings and Loan Association Mortgage Loan Trust, 0.634%, 10/19/45	
188,758 (a)	BBB+/NR	GSR Mortgage Loan Trust, Series 2004-3F, 5.717%, 2/25/34	
1,054,116 (a)	AAA/Baa3	Impac CMB Trust, 0.973%, 1/25/35	
62,471 (a) (b)	D/B3	Impac Secured Assets CMN Owner Trust, 0.303%, 11/25/36	
226,172 (a)	D/C	Luminent Mortgage Trust, 0.473%, 7/25/36	
362,372 (a)	AAA/Caa1	WaMu Mortgage Pass-Through Certificates, 0.443%, 4/25/45	
198,419 (a)	CCC/NR	WaMu Mortgage Pass-Through Certificates, 5.544%, 4/25/45	
		Total Banks	\$ 1,
-----			
		TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS	
		(Cost \$2,242,437)	\$ 1,
-----			

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
		CORPORATE BONDS & NOTES -- 95.6% of Net Assets	
		ENERGY -- 8.4%	
		Coal & Consumable Fuels -- 1.0%	
850,000	BB/Ba3	Bumi Capital Pte, Ltd., 12.0%, 11/10/16 (144A)	\$ 1,
738,000	BB-/B1	Drummond Co., Inc., 9.0%, 10/15/14 (144A)	\$ 1,
			\$ 1,
		Oil & Gas Drilling -- 2.5%	
NOK 500,000 (a)	NR/NR	Aker Drilling ASA, 9.62%, 2/24/16	\$
NOK 1,000,000	NR/NR	Aker Drilling ASA, 11.0%, 2/24/16	
1,200,000	B/Caa1	Foresight Energy Corp., 9.625%, 8/15/17 (144A)	1,
1,000,000	NR/NR	Ocean Rig UDW, Inc., 9.5%, 4/27/16 (144A)	1,
670,000	B-/B3	Offshore Group Investments, Ltd., 11.5%, 8/1/15	
500,000	B/NR	Pioneer Drilling Co., 9.875%, 3/15/18	
500,000	B/Caa1	Xinergy Corp., 9.25%, 5/15/19	
			\$ 4,
		Oil & Gas Equipment & Services -- 2.2%	
1,358,000	B+/B1	American Petroleum Tankers LLC, 10.25%, 5/1/15 (144A)	\$ 1,
730,000	B-/B2	Expro Finance Luxembourg SCA, 8.5%, 12/15/16 (144A)	
65,067 (b)	NR/NR	Nexus 1 Pte., Ltd., 10.5%, 3/7/12 (144A)	
820,000 (a)	NR/NR	Sevan Marine ASA, 3.443%, 5/14/13 (144A)	
NOK 2,560,000 (a)	NR/NR	Sevan Marine ASA, 12.7%, 10/24/12 (144A)	
NOK 2,500,000	NR/NR	Sevan Marine ASA, 14.0%, 10/24/14	
			\$ 3,
		Oil & Gas Exploration & Production -- 2.1%	
505,000	BB-/B2	Berry Petroleum Co., 10.25%, 6/1/14	\$
125,000	BB+/Ba3	Chesapeake Energy Corp., 9.5%, 2/15/15	
970,000	BB-/B2	Hilcorp Energy I LP, 9.0%, 6/1/16 (144A)	1,
444,000	B/B2	Linn Energy LLC/Linn Energy Finance Corp., 11.75%, 5/15/17	
NOK 2,500,000	NR/NR	Norwegian Energy Co. AS, 12.9%, 11/20/14	
240,000	B-/B3	Quicksilver Resources, Inc., 7.125%, 4/1/16	
472,000	B-/Caa1	Rosetta Resources, Inc., 9.5%, 4/15/18	
			\$ 3,
		Oil & Gas Storage & Transportation -- 0.6%	
500,000	B+/B1	Holly Energy Partners LP, 6.25%, 3/1/15	\$
450,000 (a)	BB/Ba1	Southern Union Co., 7.2%, 11/1/66	
			\$
		Total Energy	\$ 14,

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 | 4/30/11 13

## Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	
		MATERIALS -- 11.7%
1,351,578 (a) (c)	CCC+/B2	Aluminum -- 1.0%
		Noranda Aluminum Acquisition Corp., 5.193%, 5/15/15
405,000	B/B2	Novelis, Inc., 8.75%, 12/15/20
		Building Products -- 0.1%
EURO 200,000 (a) (d)	B-/NR	C10 -- EUR Capital SPV, Ltd., 6.277%
		Commodity Chemicals -- 0.2%
300,000	NR/WR	Montell Finance Co. BV, 8.1%, 3/15/27 (144A)
		Construction Materials -- 0.7%
865,000	CCC+/B3	AGY Holding Corp., 11.0%, 11/15/14
300,000 (a) (d)	B-/NR	C8 Capital SPV, Ltd., 6.64% (144A)
100,000	B/NR	Cemex SAB de CV, 9.0%, 1/11/18 (144A)
		Diversified Chemicals -- 1.3%
EURO 1,275,000	CCC/NR	Ineos Group Holdings Plc, 7.875%, 2/15/16 (144A)
275,000	CCC/Caa1	Momentive Performance Materials, Inc., 9.0%, 1/15/21 (144A)
		Diversified Metals & Mining -- 0.9%
200,000	B-/B2	Mirabela Nickel, Ltd., 8.75%, 4/15/18 (144A)
428,000	BBB/Baa2	Teck Resources, Ltd., 10.25%, 5/15/16
750,000	BB/Ba2	Vedanta Resources Plc, 9.5%, 7/18/18 (144A)
		Metal & Glass Containers -- 1.0%
EURO 255,000	BB-/BA3	Ardagh Glass Finance Plc, 9.25%, 7/1/16 (144A)
175,000	CCC+/B3	BWAY Holdings Co., 10.0%, 6/15/18
1,000,000 (c)	CCC+/Caa1	BWAY Parent Co., Inc., 10.125%, 11/1/15 (144A)
		Paper Packaging -- 1.5%
750,103 (c) (e)	NR/NR	Corporacion Durango SAB de CV, 7.0%, 8/27/16
700,000	CCC+/Caa1	Graham Packaging Co., Inc., 9.875%, 10/15/14
500,000	B/B3	Pretium Packing LLC, 11.5%, 4/1/16 (144A)
750,000	NR/NR	U.S. Corrugated, Inc., 10.0%, 6/1/13

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

667,000	B+/B1	Paper Products -- 1.8%
500,000	B+/B1	ABI Escrow Corp., 10.25%, 10/15/18 (144A)
200,000	CCC+/B3	Appleton Papers, Inc., 10.5%, 6/15/15 (144A)
260,000	BB/Ba3	Appleton Papers, Inc., 11.25%, 12/15/15
		Clearwater Paper Corp., 10.625%, 6/15/16

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
Paper Products -- (continued)			
814,000	B/B3	Exopack Holding Corp., 11.25%, 2/1/14	\$ 8
186,000	BB-/Ba3	Grupo Papelero Scribe SA, 8.875%, 4/7/20 (144A)	1
344,000	B/B3	Mercer International, Inc., 9.5%, 12/1/17	3
			-----
			\$ 3,1
Precious Metals & Minerals -- 0.3%			
500,000	BB-/Ba3	ALROSA Finance SA, 8.875%, 11/17/14 (144A)	\$ 5
Steel -- 2.9%			
1,245,000	CCC+/Caa2	Algoma Acquisition Corp., 9.875%, 6/15/15 (144A)	\$ 1,1
350,000	B+/B3	Atkore International, Inc., 9.875%, 1/1/18 (144A)	3
450,000	B+/B3	Essar Steel Algoma, Inc., 9.375%, 3/15/15 (144A)	4
250,000	B+/B2	Evrax Group SA, 8.875%, 4/24/13 (144A)	2
250,000	B+/B2	Evrax Group SA, 9.5%, 4/24/18 (144A)	2
700,000	NR/B2	Metinvest BV, 8.75%, 2/14/18 (144A)	7
500,000	NR/B2	Metinvest BV, 10.25%, 5/20/15 (144A)	5
920,000	CCC+/Caa1	Ryerson, Inc., 12.0%, 11/1/15	9
EURO 50,000	NR/NR	Zlomrex International Finance SA, 8.5%, 2/1/14 (144A)	9
			-----
			\$ 4,9
			-----
			\$ 20,1
CAPITAL GOODS -- 5.5%			
Aerospace & Defense -- 0.7%			
600,000	B/B3	ADS Tactical, Inc., 11.0%, 4/1/18 (144A)	\$ 6
405,000	BBB-/Ba3	DigitalGlobe, Inc., 10.5%, 5/1/14	4
90,000	BB-/Ba3	GeoEye, Inc., 9.625%, 10/1/15	1
			-----
			\$ 1,1
Building Products -- 0.2%			
365,000	BB/B2	USG Corp., 9.75%, 8/1/14 (144A)	\$ 3
Construction & Engineering -- 1.0%			
900,000	B+/Ba3	Empresas ICA S.A.B. de C.V., 8.9%, 2/4/21 (144A)	\$ 9
850,000	B+/Caa1	New Enterprise Stone & Lime Co., 11.0%, 9/1/18 (144A)	8

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Yield	Term	Value
720,000	B+/Caa1	Construction & Farm Machinery & Heavy Trucks -- 0.4% American Railcar Industries, Inc., 7.5%, 3/1/14			\$ 7
750,000	B-/B3	Electrical Components & Equipment -- 0.5% WireCo WorldGroup, 9.5%, 5/15/17 (144A)			\$ 8
90,000	NR/NR	Industrial Conglomerates -- 0.1% Little Traverse Bay Bands of Odawa Indians, 9.0%, 8/31/20 (144A)			\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 15

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Yield	Term	Value
EURO 100,000	NR/NR	Industrial Conglomerates -- (continued) Mark IV USA/EURO LUX, 8.875%, 12/15/17 (144A)			\$
500,000 (b)	NR/WR	Industrial Machinery -- 1.2% Indalex Holding Corp., 11.5%, 2/1/14			\$
335,000	B/B3	Liberty Tire Recycling, 11.0%, 10/1/16 (144A)			
875,000	CCC+/B3	Mueller Water Products, Inc., 7.375%, 6/1/17			
665,000	B+/NR	WPE International Cooperatief UA, 10.375%, 9/30/20 (144A)			\$
150,000	B/B2	Trading Companies & Distributors -- 1.4% Avis Budget Car Rental LLC/Avis Budget Finance, Inc., 9.625%, 3/15/18			\$
1,090,000	NR/B3	Intcomex, Inc., 13.25%, 12/15/14			
1,000,000	B/B1	Wesco Distribution, Inc., 7.5%, 10/15/17			\$
		Total Capital Goods			\$
400 (f)	NR/Caa1	COMMERCIAL & PROFESSIONAL SERVICES -- 0.4% Diversified Support Services -- 0.2% MSX International, Ltd., UK, 12.5%, 4/1/12 (144A)			\$
700,000 (b)	NR/WR	Environmental & Facilities Services -- 0.2% Aleris International, Inc., 10.0%, 12/15/16			\$
210,000	BB-/B2	Casella Waste Systems, Inc., 11.0%, 7/15/14			
EURO 107,128	NR/NR	New Reclamation Group Pty., Ltd., 8.125%, 2/1/13 (144A)			



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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
		Total Commercial & Professional Services	\$
929,000	CCC+/Caa1	TRANSPORTATION -- 2.1% Air Freight & Logistics -- 0.6% CEVA Group Plc, 11.5%, 4/1/18 (144A)	\$
305,000	BB-/Ba2	Airlines -- 0.2% Delta Air Lines, Inc., 9.5%, 9/15/14 (144A)	\$
445,500	B/B2	Airport Services -- 0.3% Aeropuertos Argentina 2000 SA, 10.75%, 12/1/20 (144A)	\$
375,000 (g)	B+/B3	Marine -- 0.2% Navios South American Logistics, 9.25%, 4/15/19 (144A)	\$
835,000	NR/NR	Marine Ports & Services -- 0.3% Oceanografia SA de CV, 11.25%, 7/15/15 (144A)	\$

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
250,000 (c)	CCC/Caa3	Railroads -- 0.1% Florida East Coast Holdings, 10.5%, 8/1/17 (144A)	\$
425,000	B-/Caa1	Trucking -- 0.4% Swift Services Holdings, Inc., 10.0%, 11/15/18 (144A)	\$
300,000	B/B3	Syncreon Global Ireland, Ltd., 9.5%, 5/1/18 (144A)	\$
		Total Transportation	\$ 3,
980,000	CCC+/Caa1	AUTOMOBILES & COMPONENTS -- 1.9% Auto Parts & Equipment -- 1.7% Allison Transmission, Inc., 11.0%, 11/1/15 (144A)	\$ 1,
160,000	CCC/Caa1	Stanadyne Corp., 10.0%, 8/15/14	
500,000	CCC-/Caa3	Stanadyne Corp., 12.0%, 2/15/15	
1,124,000 (g)	B+/B1	Tower Automotive Holdings USA LLC, 10.625%, 9/1/17 (144A)	1,
			\$ 2,
235,000	B+/B1	Tires & Rubber -- 0.2% Goodyear Tire & Rubber Co., 10.5%, 5/15/16	\$

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
		Total Automobiles & Components	\$ 3,
		CONSUMER DURABLES & APPAREL -- 2.7%	
		Homebuilding -- 1.0%	
530,000	CCC/Caa2	Beazer Homes USA, Inc., 9.125%, 6/15/18	\$
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	
			\$ 1,
		Housewares & Specialties -- 1.1%	
500,000	B-/Caa1	Reynolds Group Holdings, Ltd., 9.0%, 4/15/19 (144A)	\$
1,000,000	CCC+/B3	Yankee Acquisition Corp., 9.75%, 2/15/17	1,
350,000 (c)	CCC+/Caa1	YCC Holdings LLC, 10.25%, 2/15/16 (144A)	
			\$ 1,
		Leisure Products -- 0.6%	
1,000,000	B-/B2	Icon Health & Fitness, 11.875%, 10/15/16 (144A)	\$ 1,
		Total Consumer Durables & Apparel	\$ 4,
		CONSUMER SERVICES -- 3.8%	
		Casinos & Gaming -- 2.2%	
500,000 (b)	NR/WR	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)	1,

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 17

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Description	Value
		Casinos & Gaming -- (continued)	
395,000	B+/B2	FireKeepers Development Authority, 13.875%, 5/1/15 (144A)	\$
1,615,000 (b)	NR/WR	Mashantucket Western Pequot Tribe, 8.5%, 11/15/15 (144A)	
EURO 500,000	B/B3	PeerMont Global, Ltd., 7.75%, 4/30/14 (144A)	
450,000	BB-/B1	Scientific Games International, Inc., 9.25%, 6/15/19	
585,000 (b)	NR/WR	Station Casinos, Inc., 6.625%, 3/15/18	
			\$
		Restaurants -- 0.8%	
1,235,000 (e)	CCC+/Caa1	Burger King Capital Holdings LLC, 0.0%, 4/15/19 (144A)	\$

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

400,000 (g)	B-/B3	Burger King Corp., 9.875%, 10/15/18	
274,000	CCC+/Caa2	Dunkin Finance Corp., 9.625%, 12/1/18 (144A)	\$
<hr/>			
300,000 (c)	B-/B3	Specialized Consumer Services -- 0.8%	
685,000	BB-/Ba3	Aramark Holdings Corp., 8.625%, 5/1/16 (144A)	\$
350,000	B-/B3	Service Corp. International, 7.0%, 5/15/19	
		StoneMor Operating LLC/Cornerstone Family Services/ Osiris Holdings, 10.25%, 12/1/17	\$
<hr/>			
Total Consumer Services			\$
<hr/>			
MEDIA -- 5.1%			
Advertising -- 1.6%			
1,100,000	B-/B3	Affinity Group, Inc., 11.5%, 12/1/16 (144A)	\$
716,000	B+/B2	MDC Partners, Inc., 11.0%, 11/1/16	
800,000	B-/Caa2	Sitel LLC/Sitel Finance Corp., 11.5%, 4/1/18	\$
<hr/>			
Broadcasting -- 1.8%			
182,676	B/B2	CCH II LLC, 13.5%, 11/30/16	\$
840,000	B/B1	Hughes Network Systems LLC, 9.5%, 4/15/14	
989,557 (c)	CCC+/Caa3	Intelsat Bermuda, Ltd., 11.5%, 2/4/17	
EURO 100,000	B-/B2	Nara Cable Funding, Ltd., 8.875%, 12/1/18 (144A)	
430,000	B-/Caa1	Telesat Canada, 12.5%, 11/1/17	
EURO 200,000	B+/B1	TVN Finance Corp II AB, 10.75%, 11/15/17 (144A)	\$
<hr/>			
Movies & Entertainment -- 1.2%			
1,710,000	CCC+/Caa1	AMC Entertainment, Inc., 9.75%, 12/1/20 (144A)	\$
200,000	B-/B3	Production Resource Group, Inc., 8.875%, 5/1/19 (144A)	\$
<hr/>			

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		
600,000	CCC+/Caa2	Publishing -- 0.5%	
		Cengage Learning Acquisitions, Inc., 10.5%, 1/15/15 (144A)	
245,000	B-/Caa1	Interactive Data Corp., 10.25%, 8/1/18 (144A)	

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

Total Media		
1,438,000	B/B3	RETAILING -- 1.8% Distributors -- 0.9% Minerva Overseas II, Ltd., 10.875%, 11/15/19 (144A)
640,000	B/B3	Internet Retail -- 0.4% Ticketmaster Entertainment, Inc., 10.75%, 8/1/16
800,000 (g)	B/Caa1	Specialty Stores -- 0.5% Sally Holdings LLC, 10.5%, 11/15/16
Total Retailing		
1,127,000	B+/B3	FOOD, BEVERAGE & TOBACCO -- 4.1% Agricultural Products -- 0.7% Southern States Cooperative, Inc., 11.25%, 5/15/15 (144A)
650,000	NR/B1	Packaged Foods & Meats -- 2.2% Bertin Ltda, 10.25%, 10/5/16 (144A)
491,000	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)
224,421 (b) (c)	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)
200,000	BB-/B3	Pilgrim's Pride Corp., 7.875%, 12/15/18 (144A)
275,000 (e)	NR/B2	SA Fabrica de Produtos Alimenticios Vigor, 9.25%, 2/23/17 (144A)
2,015,000	B+/B2	Tobacco -- 1.2% Alliance One International, Inc., 10.0%, 7/15/16
Total Food, Beverage & Tobacco		
300,000	B/B2	HOUSEHOLD & PERSONAL PRODUCTS -- 0.2% Personal Products -- 0.2% Revlon Consumer Products Corp., 9.75%, 11/15/15
Total Household & Personal Products		

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 19

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount S&P/Moody's Ratings

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

USD (\$)

(unaudited)

			HEALTH CARE EQUIPMENT & SERVICES -- 3.4%
750,000	CCC+/Caa2		Health Care Equipment -- 0.4%
			Accellent, Inc., 10.0%, 11/1/17 (144A)
700,000	CCC+/Caa1		Health Care Facilities -- 0.3%
			Vanguard Health Systems, Inc., 0.0%, 2/1/16 (144A)
378,000	B-/Caa1		Health Care Services -- 1.7%
476,000	B-/NR		BioScrip, Inc., 10.25%, 10/1/15
796,459 (c)	CCC+/B3		Gentiva Health Services, Inc., 11.5%, 9/1/18
1,170,000 (g)	CCC+/Caa1		Surgical Care Affiliates, Inc., 8.875%, 7/15/15 (144A)
			Surgical Care Affiliates, Inc., 10.0%, 7/15/17 (144A)
750,000	B/Caa1		Health Care Supplies -- 1.0%
815,000 (c)	B-/B3		Bausch & Lomb, Inc., 9.875%, 11/1/15
			Biomet, Inc., 10.375%, 10/15/17
			Total Health Care Equipment & Services
			PHARMACEUTICALS & BIOTECHNOLOGY & LIFE SCIENCES -- 1.8%
300,000	B/Caa1		Biotechnology -- 0.8%
1,043,000	NR/B3		ConvaTec Healthcare E SA, 10.5%, 12/15/18 (144A)
			Lantheus Medical Imaging, Inc., 9.75%, 5/15/17
131,406 (c)	B/Caa1		Life Sciences Tools & Services -- 0.3%
420,000	B+/B3		Catalent Pharma Solutions, Inc., 9.5%, 4/15/15
			PharmaNet Development Group, Inc., 10.875%, 4/15/17 (144A)
1,215,000	NR/NR		Pharmaceuticals -- 0.7%
			KV Pharmaceutical Co., 12.0%, 3/18/15 (144A)
			Total Pharmaceuticals & Biotechnology & Life Sciences
			BANKS -- 1.9%
400,000 (a) (d)	BB+/Ba3		Diversified Banks -- 1.2%
			ABN Amro North American Holding Preferred Capital Repackage Trust I, 6.523% (144A)
500,000 (a)	NR/B2		Banco Macro SA, 9.75%, 12/18/36
700,000 (a)	NR/Ba2		Banco Macro SA, 10.75%, 6/7/12
525,000	B/B2		BCO de Galicia y Buenos Aires SA de CV, 8.75%, 5/14/18 (144A)

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)			
			Diversified Banks -- (continued)	
BRL 350,000	AAA/NR		International Finance Corp., 9.25%, 3/15/13	\$
15,747	B/NR		JSC Temirbank, 14.0%, 6/30/22 (144A)	\$
			Regional Banks -- 0.7%	
600,000 (a) (d)	BBB/Baa3		PNC Financial Services Group, Inc., 8.25%	\$
500,000 (a) (d)	A-/Baa3		Wells Fargo Capital XV, 9.75%	\$
			Total Banks	\$
			DIVERSIFIED FINANCIALS -- 16.8%	
665,000 (a)	BBB-/Baa3		Asset Management & Custody Banks -- 0.4%	
			Janus Capital Group, Inc., 6.7%, 6/15/17	\$
			Consumer Finance -- 0.4%	
610,000	NR/NR		Tarjeta Naranja SA, 9.0%, 1/28/17 (144A)	\$
			Investment Banking & Brokerage -- 0.2%	
450,000 (a) (d)	BBB-/Baa2		Goldman Sachs Capital II, 5.793%	\$
			Multi-Sector Holdings -- 0.4%	
600,000	B/B2		Constellation Enterprise, 10.625%, 2/1/16 (144A)	\$
			Other Diversified Financial Services -- 8.5%	
EURO 500,000 (a)	BB-/NR		ATLAS VI Capital, Ltd., 10.731%, 4/6/13 (144A)	\$
EURO 500,000 (a)	B-/NR		ATLAS VI Capital, Ltd., 11.491%, 4/7/14 (144A)	
311,937 (a)	NR/NR		BTA Bank JSC, 0.0%, 7/1/20 (144A)	
34,213	NR/NR		BTA Bank JSC, 10.75%, 7/1/18 (144A)	
150,993 (e)	NR/NR		BTA Bank JSC, Sub Note, 7.2%, 7/1/25 (144A)	
1,500,000 (a)	BB+/NR		Caelus Re II, Ltd., 6.626%, 5/24/13 (144A)	
500,000 (a)	BB/NR		Ibis Re, Ltd., 6.274%, 5/3/13 (144A)	
1,000,000 (a)	B+/NR		Ibis Re, Ltd., 9.336%, 5/3/13 (144A)	
400,000 (a)	BB/NR		Ibis Re, Ltd., 10.556%, 5/10/12 (144A)	
2,800,000 (a)	BB/NR		Lodestone Re, Ltd., 7.336%, 1/8/14 (144A)	
2,000,000	BB/NR		Lodestone Re, Ltd., 8.36%, 5/17/13 (144A)	
500,000 (a)	B/NR		Mariah Re, Ltd., 6.351%, 1/8/14 (144A)	
1,000,000 (a)	NR/B1		Nelson Re, Ltd., 4.813%, 6/6/11 (144A)	
500,000 (a)	NR/B3		Nelson Re, Ltd., 11.563%, 6/6/11 (144A)	
1,200,000 (a)	BB-/NR		Queen Street II Capital, Ltd., 17.589%, 4/9/14 (144A)	
250,000 (a)	NR/NR		Residential Reinsurance 2010, Ltd., 7.365%, 6/6/13 (144A)	
1,250,000 (a)	NR/NR		Residential Reinsurance 2010, Ltd., 10.854%, 6/6/13 (144A)	
250,000 (a)	B-/NR		Residential Reinsurance 2010, Ltd., 13.115%, 6/6/13 (144A)	\$

## 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 | 4/30/11 21

### Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	
		Specialized Finance -- 6.9%
500,000	BB/Baa3	Capital One Capital V, 10.25%, 8/15/39
1,000,000 (a)	B/NR	Montana Re, Ltd., 12.21%, 1/8/14 (144A)
1,000,000 (a)	B-/NR	Montana Re, Ltd., 13.56%, 12/7/12 (144A)
2,000,000 (a)	NR/NR	Montana Re, Ltd., 16.71%, 1/8/14 (144A)
425,000 (a)	B+/B2	National Money Mart Co., 10.375%, 12/15/16
755,000 (a)	CCC-/Caa2	NCO Group, Inc., 5.188%, 11/15/13
510,000	CCC-/Caa3	NCO Group, Inc., 11.875%, 11/15/14
500,000 (a)	B-/NR	Successor X, Ltd., 9.824%, 4/4/13 (144A)
1,250,000 (a)	NR/NR	Successor X, Ltd., 11.824%, 4/1/13 (144A)
2,000,000 (a)	B-/NR	Successor X, Ltd., 14.637%, 4/4/13 (144A)
2,000,000 (a)	NR/NR	Successor X, Ltd., 16.294%, 4/4/13 (144A)
500,000 (a)	NR/NR	Successor X, Ltd., 16.824%, 4/4/13 (144A)
		Total Diversified Financials
		INSURANCE -- 11.4%
		Insurance Brokers -- 2.1%
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)
GBP 325,000	NR/B3	Towergate Finance PLC, 10.5%, 2/15/19 (144A)
827,000 (a)	CCC/B3	U.S.I. Holdings Corp., 4.188%, 11/15/14 (144A)
804,000	CCC/Caa1	U.S.I. Holdings Corp., 9.75%, 5/15/15 (144A)
		Multi-Line Insurance -- 1.1%
1,000,000 (a)	BB/Baa3	Liberty Mutual Group, Inc., 7.0%, 3/15/37 (144A)
670,000 (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)
		Property & Casualty Insurance -- 0.0%
40,000 (a) (d)	BB/Ba2	White Mountains Insurance Group, Ltd., 7.506% (144A)
		Reinsurance -- 8.2%
1,500,000 (a)	BB+/NR	Akibare, Ltd., 3.263%, 5/22/12 (144A)
1,000,000 (a)	BB+/NR	Akibare, Ltd., 3.463%, 5/22/12 (144A)
2,000,000 (a)	BB+/NR	Blue Fin, Ltd., 4.693%, 4/10/12 (144A)
1,000,000 (a)	BB-/NR	Blue Fin, Ltd., 13.776%, 4/16/12 (144A)
1,500,000 (a)	BB/NR	East Lane Re, Ltd., 7.304%, 5/6/11 (144A)

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

1,750,000 (a)	BB+/NR	Fhu-Jin, Ltd., 4.211%, 8/10/11 (144A)
1,000,000 (a)	BB+/NR	Foundation Re III, Ltd., 5.051%, 2/3/14 (144A)
1,000,000 (a)	BB+/NR	Foundation Re III, Ltd., 5.887%, 2/3/15 (144A)
1,000,000 (a)	NR/B1	GlobeCat, Ltd., 6.303%, 1/2/13 (144A)

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)			Value
		Reinsurance -- (continued)		
350,000 (a)	NR/B3	GlobeCat, Ltd., 9.553%, 1/2/13 (144A)	\$	33
599,999 (a)	BB+/NR	Merna Reinsurance II, Ltd., 3.751%, 4/8/13 (144A)		60
250,000 (a)	B/NR	MultiCat Mexico, Ltd., Series 2009-I Class A, 11.546%, 10/19/12 (144A)		26
250,000 (a)	B/NR	MultiCat Mexico, Ltd., Series 2009-I Class B, 10.296%, 10/19/12 (144A)		26
250,000 (a)	B/NR	MultiCat Mexico, Ltd., Series 2009-I Class C, 10.311%, 10/19/12 (144A)		26
250,000 (a)	BB-/NR	MultiCat Mexico, Ltd., Series 2009-I Class D, 10.311%, 10/19/12 (144A)		25
2,500,000 (a)	NR/C	Muteki, Ltd., 4713%, 5/24/11 (144A)		51
500,000 (a)	BB/NR	Mystic Re II, Ltd., 12.311%, 3/20/12 (144A)		51
				\$ 14,20
		Total Insurance		\$ 19,74
		REAL ESTATE -- 0.2%		
54,428 (a)	B/NR	Real Estate Operating Companies -- 0.2%	\$	2
410,000	B/NR	Alto Palermo SA, 11.0%, 6/11/12 (144A)		2
		IRSA Inversiones y Representaciones SA, 8.5%, 2/2/17 (144A)		40
		Total Real Estate		\$ 43
		SOFTWARE & SERVICES -- 2.5%		
539,000	B/B3	Application Software -- 1.1%	\$	55
1,390,000	CCC+/Caa2	Allen Systems Group, Inc., 8.5%, 11/15/16 (144A)		55
		Vangent, Inc., 9.625%, 2/15/15		1,39
				\$ 1,95
		Data Processing & Outsourced Services -- 0.3%		
404,000	B-/Caa1	First Data Corp., 8.25%, 1/15/21 (144A)	\$	40
91,000	B-/Caa1	First Data Corp., 9.875%, 9/24/15		9
				\$ 49
		Internet Software & Services -- 0.4%		
587,000	A-/A3	Terremark Worldwide, Inc., 12.0%, 6/15/17	\$	72



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

405,000	CCC+/Caa1	IT Consulting & Other Services -- 0.3% Activant Solutions, Inc., 9.5%, 5/1/16	\$ 42
776,942 (c)	NR/NR	Systems Software -- 0.4% Pegasus Solutions, Inc., 13.0%, 4/15/14 (144A)	\$ 73
		Total Software & Services	\$ 4,32
415,000	BBB/Baa3	TECHNOLOGY HARDWARE & EQUIPMENT -- 0.6% Computer Storage & Peripherals -- 0.3% Seagate Technology International, Inc., 10.0%, 5/1/14 (144A)	\$ 48

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 23

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Va
486,000	B/B1	Electronic Equipment & Instruments -- 0.3% Da-Lite Screen Co., Inc., 12.5%, 4/1/15	\$
		Total Technology Hardware & Equipment	\$
750,000	B/B3	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.5% Semiconductor Equipment -- 0.5% Aeroflex. Inc., 11.75%, 2/15/15	\$
		Total Semiconductors & Semiconductor Equipment	\$
945,000	B/B2	TELECOMMUNICATION SERVICES -- 6.3% Alternative Carriers -- 2.0% Global Crossing, Ltd., 12.0%, 9/15/15	\$
750,000	B/Ba3	PAETEC Holding Corp., 8.875%, 6/30/17	
1,010,000	CCC+/Caa1	PAETEC Holding Corp., 9.5%, 7/15/15	
350,000	CCC+/Caa1	PAETEC Holding Corp., 9.875%, 12/1/18 (144A)	\$
700,000	B/NR	Integrated Telecommunication Services -- 2.2% Bakrie Telecom Tbk PT, 11.5%, 5/7/15 (144A)	\$
910,000	B-/B3	Broadview Networks Holdings, Inc., 11.375%, 9/1/12	
388,000 (g)	CCC+/B3	Cincinnati Bell, Inc., 8.75%, 3/15/18	
1,250,000	BB-/B2	GCI, Inc., 7.25%, 2/15/14	
500,000	B+/Ba3	Windstream Corp., 8.625%, 8/1/16	\$
300,000	NR/Caa1	Wireless Telecommunication Services -- 2.1% Digicel Group, Ltd., 10.5%, 4/15/18 (144A)	\$
750,000	B+/B2	NII Capital Corp., 10.0%, 8/15/16	

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

			OJSC Vimpel Communications Via VIP Ireland, Ltd., 9.125%, 4/30/18 (144A)	
790,000 (g)	BB/Ba3		True Move Co., Ltd., 10.375%, 8/1/14 (144A)	
1,330,000	B-/B2		True Move Co., Ltd., 10.75%, 12/16/13 (144A)	
100,000	B-/B2			\$
Total Telecommunication Services				\$ 1
<hr style="border-top: 1px dashed #000;"/>				
UTILITIES -- 2.5%				
Electric Utilities -- 1.2%				
750,000	B-/NR		Cia de Transporte de Energia Electrica de Alta Tension SA, 8.875%, 12/15/16 (144A)	\$
419,000	NR/B2		Empresa Distribuidora Y Comercializadora Norte, 9.75%, 10/25/22 (144A)	
225,000	BB-/Ba2		PNM Resources, Inc., 9.25%, 5/15/15	
240,000	CCC/B2		Texas Competitive Electric Holdings LLC, 11.5%, 10/1/20 (144A)	
510,000 (g)	CC/Caa3		Texas Competitive Electric Holdings LLC, 15.0%, 4/1/21 (144A)	\$
<hr style="border-top: 1px dashed #000;"/>				

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		
1,135,000	B/B2	Gas Utilities -- 0.7% Transportadora de Gas del Sur SA, 7.875%, 5/14/17 (144A)	
500,000	BB-/Ba3	Independent Power Producers & Energy Traders -- 0.6% InterGen NV, 9.0%, 6/30/17 (144A)	
500,000	NR/B2	Star Energy Geothermal (Wayang Windu), Ltd., 11.5%, 2/12/15 (144A)	
Total Utilities			
<hr style="border-top: 1px dashed #000;"/>			
TOTAL CORPORATE BONDS & NOTES (Cost \$161,502,155)			
<hr style="border-top: 1px dashed #000;"/>			
CONVERTIBLE BONDS & NOTES -- 3.1% of Net Assets			
MATERIALS -- 0.9%			
1,900 (f)	BB-/NR	Diversified Chemicals -- 0.9% Hercules, Inc., 6.5%, 6/30/29	
Total Materials			
<hr style="border-top: 1px dashed #000;"/>			
TRANSPORTATION -- 0.5%			

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

990,000 (b) (g)	CC-/Ca	Marine -- 0.5% Horizon Lines, Inc., 4.25%, 8/15/12
Total Transportation		
<hr/>		
659,000	B-/NR	MEDIA -- 0.4% Movies & Entertainment -- 0.4% Live Nation, Inc., 2.875%, 7/15/27
Total Media		
<hr/>		
1,040,000 (e) (g)	BB+/NR	HEALTH CARE EQUIPMENT & SERVICES -- 1.0% Health Care Equipment & Services -- 0.7% Hologic, Inc., 2.0%, 12/15/37
<hr/>		
405,000	B/NR	Health Care Facilities -- 0.3% LifePoint Hospitals, Inc., 3.5%, 5/15/14
<hr/>		
15,000	B+/B2	Health Care Services -- 0.0% Omnicare, Inc., 3.25%, 12/15/35
Total Health Care Equipment & Services		
<hr/>		
150,000	NR/NR	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.2% Semiconductors -- 0.2% JA Solar Holdings Co., Ltd., 4.5%, 5/15/13
271,000	NR/NR	Suntech Power Holdings Co., Ltd., 3.0%, 3/15/13
Total Semiconductors & Semiconductor Equipment		

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 25

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		V
250,000	B-/NR	TELECOMMUNICATION SERVICES -- 0.1% Wireless Telecommunication Services -- 0.1% NII Holdings, Inc., 3.125%, 6/15/12	\$
Total Telecommunication Services			\$
<hr/>			
TOTAL CONVERTIBLE BONDS & NOTES (Cost \$4,073,838)			\$
<hr/>			
BRL 1,750,000	BBB-/BAA3	SOVEREIGN DEBT OBLIGATION -- 0.7% of Net Assets Brazil -- 0.7% Brazilian Government International Bond, 10.25%, 1/10/28	\$
<hr/>			
TOTAL SOVEREIGN DEBT OBLIGATION			

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

		(Cost \$947,277)	\$
<hr/>			
		SENIOR FLOATING RATE LOAN INTERESTS -- 31.7% of Net Assets (h)	
		ENERGY -- 0.4%	
		Coal & Consumable Fuels -- 0.3%	
450,000	NR/NR	PT Bumi Resources Tbk, Term Loan, 11.236%, 8/7/13	\$
<hr/>			
		Integrated Oil & Gas -- 0.1%	
246,638	B-/B1	Hudson Products Holdings, Inc., Term Loan, 8.5%, 8/24/15	\$
<hr/>			
		Total Energy	\$
<hr/>			
		MATERIALS -- 3.7%	
		Diversified Chemicals -- 1.1%	
351,264	BB-/NR	Huntsman International LLC, Extended Term Loan B, 2.773%, 4/19/17	\$
128,831	BB-/Ba2	Huntsman International LLC, New Dollar Term Loan B, 1.742%, 4/19/14	
EURO 116,772	B/B1	Ineos US Finance LLC, Facility Term Loan B-1, 0.0%, 12/16/13	
EURO 128,229	B/B1	Ineos US Finance LLC, Facility Term Loan C-1, 0.0%, 12/16/14	
256,890	B/B1	Ineos US Finance LLC, Senior Credit Facility Term Loan B-2, 7.5%, 12/16/13	
283,608	B/B1	Ineos US Finance LLC, Senior Credit Facility Term Loan C-2, 8.0%, 12/16/14	
203,309	BB+/Ba1	Solutia, Inc., Term Loan 1, 3.5%, 8/1/17	
349,125	B/B2	Univar, Inc., Term Loan B, 5.0%, 6/30/17	\$
<hr/>			
		Forest Products -- 0.9%	
1,500,000	B+/Ba3	Ainsworth Lumber Co., Ltd., Term Loan, 5.25%, 6/26/14	\$
<hr/>			

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Va
<hr/>			
		Paper Packaging -- 0.5%	
456,692	B+/B1	Graham Packaging Co., LP, Term Loan C, 6.75%, 4/5/14	\$
89,550	B+/B1	Graham Packaging Co., LP, Term Loan D, 6.0%, 9/23/16	
384,268	BB+/Ba3	Graphic Packaging International, Inc., Incremental Term Loan, 3.041%, 5/16/14	\$
<hr/>			

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

700,881	BB+/Ba1	Paper Products -- 0.4% Georgia-Pacific LLC, Term Loan B, 2.309%, 12/23/12	\$
225,000	BB-/B1	Precious Metals & Minerals -- 0.1% Fairmount Minerals, Ltd., Tranche B Term Loan, 6.253%, 8/5/16	\$
250,000	NR/Ba1	Specialty Chemicals -- 0.2% Chemtura Corp., Facility Term Loan, 5.5%, 8/29/16	\$
882,413 (c)	B/B3	Steel -- 0.5% Niagara Corp., New Term Loan, 8.5%, 6/29/14	\$
		Total Materials	\$
605,843	B/B2	CAPITAL GOODS -- 2.5% Aerospace & Defense -- 1.3% DAE Aviation Holdings, Inc., Tranche B-1 Term Loan, 5.28%, 7/31/14	\$
246,640	BB/B1	Hunter Defense Technologies, Inc., Term Loan, 3.56%, 8/22/14	\$
484,873	BBB-/Ba1	Spirit Aerosystems, Inc., Term Loan B-2, 3.531%, 9/30/16	\$
583,629	B/B2	Standard Aero, Ltd., Tranche B-2 Term Loan, 5.28%, 7/31/14	\$
357,338	BB/Ba2	TASC, Inc., Tranche A Term Loan, 5.5%, 12/18/14	\$
1,119,375	B+/B1	Building Products -- 0.7% Goodman Global, Inc., First Lien Initial Term Loan, 5.75%, 10/28/16	\$
495,084	BB+/Ba2	Construction & Farm Machinery & Heavy Trucks -- 0.4% Bucyrus International, Inc., Tranche C U.S. Dollar Term Loan, 4.25%, 2/19/16	\$
119,583	BB/Ba2	Manitowoc Co., Inc., Term Loan B, 8.0%, 11/6/14	\$
246,039	BB/Ba2	Industrial Conglomerates -- 0.1% Tomkins LLC, Term Loan, 4.25%, 9/29/16	\$
		Total Capital Goods	\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 27

Schedule of Investments | 4/30/11 (Consolidated) (continued)

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

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

		COMMERCIAL & PROFESSIONAL SERVICES -- 1.6%	
		Commercial Printing -- 0.2%	
249,375	BB-/Caa1	Cenveo Corp., Facility Term Loan B, 6.25%, 12/21/16	\$ 252,02
<hr/>			
812,963	B+/B1	Environmental & Facilities Services -- 1.3%	
		Brickman Group Holdings, Inc., Tranche B Term Loan, 7.25%, 10/14/16	\$ 830,91
1,203,125	CCC+/B3	Synagro Technologies, Inc., First Lien Term Loan, 2.23%, 4/2/14	1,139,96
300,000	B+/B1	Waste Industries USA, Inc., Term Loan B, 4.75%, 3/17/17	302,43
			<hr/> \$ 2,273,31
<hr/>			
232,740	BB/B1	Security & Alarm Services -- 0.1%	
		Protection One, Inc., Term Loan, 6.0%, 6/4/16	\$ 233,80
		Total Commercial & Professional Services	<hr/> \$ 2,759,14
<hr/>			
		TRANSPORTATION -- 0.9%	
		Air Freight & Logistics -- 0.8%	
439,482	B/B1	Ceva Group Plc, Pre-Funded Tranche B LC Loan, 0.207%, 8/31/16	\$ 432,06
919,588	NR/B1	Ceva Group Plc, U.S. Tranche B Term Loan, 5.273%, 8/31/16	904,07
			<hr/> \$ 1,336,13
<hr/>			
275,000	BB-/Ba2	Airlines -- 0.1%	
		Delta Air Lines, Inc., New Term Loan, 4.25%, 3/7/16	\$ 273,90
		Total Transportation	<hr/> \$ 1,610,03
<hr/>			
		AUTOMOBILES & COMPONENTS -- 1.4%	
		Auto Parts & Equipment -- 0.6%	
140,549	B+/Ba3	Federal-Mogul Corp., Tranche B Term Loan, 2.173%, 12/29/14	\$ 137,32
71,709	B+/Ba3	Federal-Mogul Corp., Tranche C Term Loan, 2.151%, 12/28/15	70,06
597,000	B+/B1	Metaldyne LLC, Term Loan, 7.75%, 10/22/16	611,92
144,638	B/Ba2	UCI International, Inc., Term Loan, 5.5%, 7/26/17	146,29
			<hr/> \$ 965,60
<hr/>			
447,247	BB+/Baa3	Automobile Manufacturers -- 0.2%	
		Ford Motor Co., Tranche B-1 Term Loan, 2.97%, 12/15/13	\$ 448,29
<hr/>			
1,000,000	BB/Ba1	Tires & Rubber -- 0.6%	
		Goodyear Tire & Rubber Co., Second Lien Term Loan, 1.94%, 4/30/14	\$ 987,75
		Total Automobiles & Components	<hr/> \$ 2,401,64

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
398,534	BB-/Ba3	CONSUMER DURABLES & APPAREL -- 0.2% Leisure Products -- 0.2% SRAM LLC, Term Loan, 5.007%, 4/30/15	\$ 399,531
		Total Consumer Durables & Apparel	\$ 399,531
442,065	B+/B1	CONSUMER SERVICES -- 0.3% Specialized Consumer Services -- 0.3% Wash MultiFamily Laundry Systems LLC, Term Loan, 7.0%, 8/28/14	\$ 443,171
		Total Consumer Services	\$ 443,171
990,004	BB-/Ba3	MEDIA -- 3.1% Advertising -- 0.5% Affinion Group, Inc., Tranche B Term Loan, 5.0%, 10/9/16	\$ 993,562
492,280	NR/Caa2	Broadcasting -- 1.4% FoxCo Acquisition Sub LLC, Replacement Term Loan, 4.768%, 7/14/15	\$ 494,664
919,342	B+/Ba3	Insight Midwest Holdings LLC, Term Loan B, 2.021%, 4/7/14	913,361
413,963	BB-/Ba3	TWCC Holding Corp., Term Loan, 4.25%, 2/11/17	418,749
590,050	B+/B2	Univision Communications, Inc., Extended First Lien Term Loan, 4.461%, 3/31/17	578,278
			\$ 2,405,052
549,363	B-/B1	Cable & Satellite -- 0.3% WideOpenWest Finance LLC, Series A Term Loan, 6.746%, 6/30/14	\$ 552,110
212,843	NR/Ba1	Movies & Entertainment -- 0.5% Cinedigm Digital Funding I LLC, Term Loan, 5.25%, 4/29/16	\$ 212,489
628,133	B/B3	Lodgenet Entertainment Corp., Closing Date Term Loan, 6.5% , 4/4/14	603,531
			\$ 816,020
811,973	B/B1	Publishing -- 0.4% RH Donnelley, Inc., Term Loan, 9.0%, 10/24/14	\$ 641,290
		Total Media	\$ 5,408,034
249,375	BB+/Ba3	RETAILING -- 0.5% Automotive Retail -- 0.2% Autotrader.com, Inc., Tranche B Term Loan, 4.75%, 12/15/16	\$ 251,806
550,000	B+/Ba3	Specialty Stores -- 0.3% Savers, Inc., New Term Loan, 4.25%, 3/14/17	\$ 554,239
		Total Retailing	\$ 806,045

## 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 | 4/30/11 29

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		FOOD, BEVERAGE & TOBACCO -- 0.6%	
		Packaged Foods & Meats -- 0.6%	
250,000	B+/Ba3	Del Monte Foods Co., Initial Term Loan, 4.5%, 3/8/18	\$ 251
249,375	B+/Ba3	Green Mountain Coffee Roasters, Inc., Facility Term Loan B, 5.5%, 12/16/16	253
500,000	BB-/B2	Pierre Foods, Inc., Second Lien Term Loan, 11.25%, 9/29/17	509
		Total Food, Beverage & Tobacco	\$ 1,014
		HOUSEHOLD & PERSONAL PRODUCTS -- 0.4%	
		Household Products -- 0.1%	
220,000	BB/Ba3	Reynolds Group Holdings, Inc., U.S. Term Loan, 4.25%, 2/19/18	\$ 221
		Personal Products -- 0.3%	
249,375	BB-/Ba3	NBTY, Inc., Term Loan B-1, 4.25%, 10/1/17	\$ 251
247,500	BB-/Ba3	Revlon Consumer Products Corp., Term Loan, 6.0%, 3/11/15	249
		Total Household & Personal Products	\$ 722
		HEALTH CARE EQUIPMENT & SERVICES -- 4.8%	
		Health Care Facilities -- 0.9%	
247,500	B/B1	Ardent Medical Services, Inc., Term Loan, 6.5%, 9/15/15	\$ 248
49,684	BB/Ba3	Community Health Systems, Inc., Non-Extended Delayed Draw Term Loan, 2.561%, 7/25/14	48
965,697	BB/Ba3	Community Health Systems, Inc., Non-Extended Term Loan, 2.561%, 7/25/14	943
82,579	BB/Ba3	HCA, Inc., Tranche B-1 Term Loan, 2.557%, 11/18/13	82
198,040	BB/Ba3	HCA, Inc., Tranche B-2 Term Loan, 3.557%, 3/31/17	198
		Total Health Care Equipment & Services	\$ 1,522
		Health Care Services -- 2.2%	
496,875	NR/NR	AccentCare, Inc., Term Loan, 6.5%, 12/22/16	\$ 498
296,756	B+/B1	Aveta, Inc., NAMM Term Loan, 8.5%, 4/14/15	299
1,331,008	BB-/Ba3	Catalent Pharma, Inc., Dollar Term Loan, 2.461%, 4/10/14	1,299
466,481	BB-/Ba3	Inventiv Health, Inc., Replacement Term Loan B, 4.75%, 8/4/16	469



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

58,188	BB-/Ba3	Inventiv Health, Inc., Term Loan B-1, 4.75%, 8/4/16	58
410,000	B+/B1	National Mentor Holdings, Inc., Tranche B Term Loan, 7.0%, 2/9/17	405
255,446	B/B2	National Speciality Hospitals, Inc., Initial Term Loan, 8.25%, 2/3/17	255

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
<hr/>			
		Health Care Services -- (continued)	
371,250	NR/B1	Prime Healthcare Services, Inc., Term Loan B, 7.25%, 4/28/15	\$ 364,75
244,444	B+/Ba2	Sun Healthcare Group, Inc., Term Loan, 7.5%, 10/18/16	244,75
			<hr/> \$ 3,895,93
<hr/>			
		Health Care Supplies -- 1.0%	
111,849	BB-/B1	Bausch & Lomb, Inc., Delayed Draw Term Loan, 3.461%, 4/24/15	\$ 112,08
460,078	BB-/B1	Bausch & Lomb, Inc., Parent Term Loan, 3.535%, 4/24/15	461,05
481,250	BB/Ba2	IM US Holdings LLC, First Lien Term Loan, 2.225%, 6/26/14	476,28
600,000	B-/B1	IM US Holdings LLC, Second Lien Term Loan, 4.461%, 6/26/15	599,43
			<hr/> \$ 1,648,86
<hr/>			
		Health Care Technology -- 0.5%	
247,502	BB/NR	IMS Health, Inc., Tranche B Dollar Term Loan, 4.5%, 8/26/17	\$ 247,91
395,000	B/B2	Medical Card System, Inc., Term Loan, 12.003%, 9/17/15	420,67
223,929	B/B2	Physician Oncology Services LP, Effective Date Term Loan, 6.25%, 1/31/17	223,36
			<hr/> \$ 891,95
<hr/>			
		Managed Health Care -- 0.2%	
296,756	B+/B1	Aveta, Inc., MMM Term Loan, 8.5%, 4/14/15	\$ 299,47
			<hr/> \$ 8,258,83
<hr/>			
		PHARMACEUTICALS & BIOTECHNOLOGY & LIFE SCIENCES -- 0.9%	
		Biotechnology -- 0.8%	
498,750	BB/B1	Axcan Intermediate Holdings, Inc., Term Loan, 5.5%, 2/10/17	\$ 498,75
436,571	BBB-/Ba3	Warner Chilcott Co. LLC, Term Loan B-1, 4.25%, 3/15/18	440,66
218,286	BBB-/Ba3	Warner Chilcott Co. LLC, Term Loan B-2,	

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

300,143	BBB-/Ba3	6.25%, 3/15/18 Warner Chilcott Co. LLC, Term Loan B-3, 4.25%, 3/15/18	220,33 302,95
			\$ 1,462,70
146,714	BBB/Baa3	Pharmaceuticals -- 0.1% Mylan, Inc., U.S. Tranche B Term Loan, 3.563%, 10/2/14	\$ 147,54
Total Pharmaceuticals & Biotechnology & Life Sciences			\$ 1,610,25

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 31

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
147,789	B-/B2	DIVERSIFIED FINANCIALS -- 1.5% Other Diversified Financial Services -- 0.5% BNY ConvergeX Group LLC, Second Lien (EZE) Term Loan, 8.75%, 12/18/17	\$ 152,
352,211	B+/NR	BNY ConvergeX Group LLC, Second Lien (TOP) Term Loan, 8.75%, 12/18/17	363,
222,454	NR/NR	Long Haul Holdings, Ltd. and PT Bakrie & Brothers Tbk, Tranche A, Vallar Loan, 0.0%, 3/15/12	222,
177,546	B/B2	Long Haul Holdings, Ltd. and PT Bakrie & Brothers Tbk, Tranche B Vallar Loan, 0.0%, 3/15/12	177,
			\$ 916,
664,925	BB+/B1	Specialized Finance -- 1.0% Asset Acceptance Capital Corp., Tranche B Term Loan, 3.81%, 6/12/13	\$ 661,
808,995	CCC+/B2	Collect Acquisition Corp., Advance Term Loan B, 8.0%, 5/15/13	802,
222,573	BB+/Ba1	MSCI, Inc., Term Loan, 3.75%, 3/14/17	225,
Total Diversified Financials			\$ 1,689,
			\$ 2,605,
1,397,955	B-/B2	INSURANCE -- 3.4% Insurance Brokers -- 2.4% Alliant Holdings I, Inc., Term Loan, 3.307%, 8/21/14	\$ 1,390,
127,217	B/B2	HUB International, Ltd., Delay Draw Term Loan, 2.807%, 6/13/14	126,
565,946	B/B2	HUB International, Ltd., Initial Term Loan, 2.807%, 6/13/14	562,
98,500	B-/B3	U.S.I. Holdings Corp., Series C Term Loan,	

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

1,925,000	B-/B2	7.0%, 5/5/14 U.S.I. Holdings Corp., Tranche B Term Loan, 2.76%, 5/5/14	98, 1,905, \$ 4,083,
790,101	B-/B2	Multi-Line Insurance -- 1.0% AmWins Group, Inc., Initial Term Loan, 2.816%, 6/8/13	\$ 784,
1,000,000	CCC/B3	AmWins Group, Inc., Second Lien Initial Term Loan, 5.81%, 6/9/14	925, \$ 1,709,
		Total Insurance	\$ 5,793,
247,500	B/Ba3	REAL ESTATE -- 0.1% Real Estate Development -- 0.1% Ozburn-Hessey Holding Co. LLC, First Lien Term Loan, 7.5%, 4/8/16	\$ 251,
		Total Real Estate	\$ 251,

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
966,921	BB+/Ba2	SOFTWARE & SERVICES -- 3.2% Application Software -- 0.8% Nuance Communications, Inc., Term Loan, 1.97%, 3/29/13	\$ 963,
500,000	NR/Caa1	Vertafore, Inc., Second Lien Term Loan, 9.75%, 10/29/17	510, \$ 1,473,
525,000	B-/B2	Data Processing & Outsourced Services -- 0.3% Fifth Third Processing Solutions LLC, Second Lien Term Loan, 8.25%, 11/3/17	\$ 538,
388,382	B+/B1	IT Consulting & Other Services -- 1.3% Activant Solutions, Inc., Term Loan B-1, 2.313%, 5/2/13	\$ 387,
1,887,369	BB/Ba3	SunGard Data Systems, Inc., Tranche A U.S. Term Loan, 1.979%, 2/28/14	1,872, \$ 2,259,
1,345,956	BB-/B1	Systems Software -- 0.8% Vangent, Inc., Term Loan, 2.32%, 2/14/13	\$ 1,329,

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

		Total Software & Services	\$ 5,600,
		TECHNOLOGY HARDWARE & EQUIPMENT -- 0.6%	
		Communications Equipment -- 0.3%	
250,000	BB/Ba3	Commscope, Inc., Term Loan, 5.0%, 1/14/18	\$ 252,
250,000	BB-/Ba3	Towerco Finance LLC, Term Loan, 5.25%, 2/2/17	251,
			\$ 504,
		Electronic Equipment & Instruments -- 0.3%	
513,713	B/B2	Scitor Corp., Term Loan, 5.0%, 2/15/17	\$ 515,
		Total Technology Hardware & Equipment	\$ 1,020,
		SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.9%	
		Semiconductor Equipment -- 0.9%	
698,721	BB/B2	Aeroflex, Inc., Tranche B-2 Term Loan, 4.813%, 8/15/14	\$ 698,
770,252	B-/B1	Freescal Semiconductor, Inc., Extended Maturity Term Loan, 4.493%, 12/1/16	771,
		Total Semiconductors & Semiconductor Equipment	\$ 1,470,
		TELECOMMUNICATION SERVICES -- 0.3%	
		Integrated Telecommunication Services -- 0.3%	
428,270	B+/B1	Telesat Canada, U.S. Term I Loan, 3.222%, 10/31/14	\$ 428,
36,788	B+/B1	Telesat Canada, U.S. Term II Loan, 3.222%, 10/31/14	36,
		Total Telecommunication Services	\$ 465,

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 33

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		UTILITIES -- 0.4%	
		Electric Utilities -- 0.3%	
629,720	CCC/B2	Texas Competitive Electric Holdings Co. LLC, Extending Term Loan, 4.736%, 10/10/17	\$ 505,
		Independent Power Producers & Energy Traders -- 0.1%	
184,378	BB-/Ba3	Mach Gen LLC, First Lien Synthetic LC Loan, 0.057%, 2/22/13	\$ 172,
		Total Utilities	\$ 678,
		TOTAL SENIOR FLOATING RATE LOAN INTERESTS (Cost \$54,155,842)	\$ 54,769,

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

		MUNICIPAL BONDS -- 0.5% of Net Assets	
950,000	CCC+/NR	Texas -- 0.5%	
		Alliance Airport Authority Income Special Facilities Revenue, 5.75%, 12/1/29	\$ 663,
175,000	CCC+/Caa2	Dallas-Fort Worth International Airport Facility Improvement Revenue, 6.375%, 5/1/35	127,
		TOTAL MUNICIPAL BONDS	
		(Cost \$845,124)	\$ 790,
-----			
Shares			
-----			
		COMMON STOCKS -- 0.5% of Net Assets	
		ENERGY -- 0.0%	
1,109 (i)		Oil & Gas Drilling -- 0.0%	
		Rowan Companies, Inc.	\$ 46,
		Total Energy	\$ 46,
-----			
		MATERIALS -- 0.3%	
		Commodity Chemicals -- 0.1%	
2,459 (i)		Georgia Gulf Corp.	\$ 96,
1,121 (i)		Lyondell Basell Industries NV	49,
			\$ 146,
-----			
		Diversified Metals & Mining -- 0.1%	
371,096 (i) (j) (k)		Blaze Recycling and Metals LLC Class A Units	\$ 256,
-----			
		Forest Products -- 0.0%	
13,963 (i)		Ainsworth Lumber Co., Ltd.	\$ 45,
-----			
		Steel -- 0.1%	
15,083 (i) (k)		KNIA Holdings, Inc.	\$ 105,
		Total Materials	\$ 553,
-----			
		AUTOMOBILES & COMPONENTS -- 0.2%	
		Auto Parts & Equipment -- 0.2%	
6,296 (i)		Lear Corp.	\$ 321,
		Total Automobiles & Components	\$ 321,
-----			

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

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

Shares	Value
--------	-------

DIVERSIFIED FINANCIALS -- 0.0%

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

731(i)	Diversified Financial Services -- 0.0% BTA Bank JSC (144A)	\$ 10,289
	Total Diversified Financials	\$ 10,289
2,114(i)(j)(k)	SOFTWARE & SERVICES -- 0.0% Systems Software -- 0.0% Perseus Holding Corp. (144A)	\$ --
	Total Software & Services	\$ --
	TOTAL COMMON STOCKS (Cost \$781,650)	\$ 932,189
470	CONVERTIBLE PREFERRED STOCK -- 0.3% of Net Assets DIVERSIFIED FINANCIALS -- 0.3% Other Diversified Financial Services -- 0.3% Bank of America Corp.	\$ 490,680
	Total Diversified Financials	\$ 490,680
	TOTAL CONVERTIBLE PREFERRED STOCK (Cost \$382,900)	\$ 490,680
22,000	PREFERRED STOCK --0.3% of Net Assets DIVERSIFIED FINANCIALS -- 0.3% Other Diversified Financials -- 0.3% GMAC Capital Trust I, 8.125%	\$ 564,417
	Total Diversified Financials	\$ 564,417
1,110(i)	SOFTWARE & SERVICES -- 0.0% Systems Software -- 0.0% Perseus Holding Corp. (144A)	\$ 27,750
	Total Software & Services	\$ 27,750
	TOTAL PREFERRED STOCK (Cost \$550,000)	\$ 592,167
750,000(i)(j)	RIGHTS/WARRANTS -- 0.0% of Net Assets REAL ESTATE -- 0.0% Real Estate Development -- 0.0% Neo-China Group Holdings, Ltd., Expires 7/22/12 (144A)	\$ 17,012
	TOTAL RIGHTS/WARRANTS (Cost \$17,012)	\$ 17,012

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 35

Schedule of Investments | 4/30/11 (Consolidated) (continued)

Principal

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

Amount USD (\$)		Value
-----		
	TEMPORARY CASH INVESTMENTS -- 3.2% of Net Assets	
	SECURITIES LENDING COLLATERAL -- 3.2%(1)	
	Certificates of Deposit:	
142,108	Bank of Nova Scotia, 0.27%, 9/29/11	\$ 142,108
99,476	BBVA Group NY, 1.11%, 7/26/11	99,476
142,108	BNP Paribas Bank NY, 0.34%, 5/9/11	142,108
142,108	Canadian Imperial Bank of Commerce NY, 0.22%, 10/3/11	142,108
142,108	DnB NOR Bank ASA NY, 0.24%, 6/7/11	142,108
71,052	National Australia Bank NY, 0.29%, 10/19/11	71,052
156,350	RoboBank Netherland NV NY, 0.34%, 4/2/12	156,350
85,265	Royal Bank of Canada NY, 0.34%, 12/2/11	85,265
142,109	Skandinav Enskilda Bank NY, 0.38%, 6/7/11	142,109
42,633	SOCGEN NY, 0.18%, 5/20/11	42,633
85,265	SOCGEN NY, 0.28%, 7/14/11	85,265
56,843	SOCGEN NY, 0.37%, 6/10/11	56,843
99,476	Svenska NY, 0.20%, 7/19/11	99,476
142,108	Svenska NY, 0.28%, 5/12/11	142,108
142,108	Westpac Banking Corp. NY, 0.34%, 12/6/11	142,108
		-----
		\$ 1,691,117
-----		
	Commercial Paper:	
56,843	American Honda Finance, 0.34%, 1/11/12	\$ 56,843
56,906	American Honda Finance, 1.06%, 6/20/11	56,906
52,097	Australia & New Zealand Banking Group, 0.91%, 8/4/11	52,097
85,258	BBVLON, 0.35%, 5/9/11	85,258
56,836	BBVLON, 0.55%, 5/9/11	56,836
21,305	BCSFUN, 0.22%, 7/29/11	21,305
142,054	BCSFUN, 0.25%, 6/24/11	142,054
144,403	Caterpillar Financial Services Corp., 1.06%, 6/24/11	144,403
127,877	CBAPP, 0.26%, 5/23/11	127,877
142,111	Federal Home Loan Bank, 0.27%, 6/1/11	142,111
14,210	General Electric Capital Corp., 0.39%, 6/6/11	14,210
113,678	HSBC, 0.25%, 5/11/11	113,678
127,898	JPMorgan Chase & Co., 0.30%, 5/18/11	127,898
21,336	JPMorgan Chase & Co., 1.06%, 6/13/11	21,336
71,039	NABPP, 0.25%, 6/1/11	71,039
113,619	NORDNA, 0.27%, 7/18/11	113,619
113,630	PARFIN, 0.23%, 7/11/11	113,630
56,843	Royal Bank of Canada NY, 0.30%, 4/30/12	56,843
85,255	SANU, 0.68%, 5/13/11	85,255
71,011	SANU, 0.68%, 6/1/11	71,011
85,182	SANU, 0.68%, 6/17/11	85,182
85,259	SEB, 0.19%, 5/13/11	85,259

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

-----  
Principal  
Amount

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

USD (\$)		Value
<hr/>		
	Commercial Paper -- (continued)	
71,052	SOCNAM, 0.37%, 5/3/11	\$ 71,052
142,109	Toyota Motor Credit Corp., 0.34%, 9/8/11	142,109
56,865	Wachovia, 0.43%, 10/15/11	56,865
42,674	Wachovia, 0.46%, 3/1/12	42,674
28,442	Wells Fargo & Co., 0.39%, 1/24/12	28,442
		<hr/>
		\$ 2,185,792
<hr/>		
	Tri-party Repurchase Agreements:	
254,948	Barclays Capital Plc, 0.03%, 5/2/11	\$ 254,948
284,217	Deutsche Bank AG, 0.03, 5/2/11	284,217
284,217	HSBC Bank USA NA, 0.03%, 5/2/11	284,217
284,217	RBS Securities, Inc., 0.04%, 5/2/11	284,217
		<hr/>
		\$ 1,107,599
<hr/>		
Shares		
<hr/>		
	Money Market Mutual Funds:	
255,795	Dreyfus Preferred Money Market Fund	\$ 255,795
255,795	Fidelity Prime Money Market Fund	255,795
		<hr/>
		\$ 511,590
		<hr/>
	Total Securities Lending Collateral	\$ 5,496,098
<hr/>		
	TOTAL TEMPORARY CASH INVESTMENTS (Cost \$5,496,098)	\$ 5,496,098
<hr/>		
	TOTAL INVESTMENTS IN SECURITIES -- 138.2% (Cost \$233,093,114) (m)	\$238,896,476
<hr/>		
	OTHER ASSETS AND LIABILITIES -- (38.2)%	\$(66,014,705)
<hr/>		
	NET ASSETS APPLICABLE TO COMMON SHAREOWNERS -- 100.0%	\$172,881,771
<hr/>		

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

WR Withdrawn rating.

(144A) Security is exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold normally to qualified institutional buyers in a transaction exempt from registration. At April 30, 2011, the value of these securities amounted to \$113,219,987 or 65.5% of total net assets applicable to common shareowners.

(a) Floating rate note. The rate shown is the coupon rate at April 30, 2011.

(b) Security is in default and is non-income producing.

(c) Payment-in-Kind (PIK) security which may pay interest in the form of



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

additional principal.

- (d) Security is perpetual in nature and has no stated maturity date.
- (e) Debt obligation initially issued at one coupon rate which converts to another coupon rate at a specific date. The coupon rate shown is the coupon rate at April 30, 2011.

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 37

### Schedule of Investments | 4/30/11 (Consolidated) (continued)

- (f) Security is priced as a unit.
- (g) At April 30, 2011, the following securities were out on loan:

Principal Amount USD (\$)	Description	Value
391,000	Burger King Corp., 9.875%, 10/15/18	\$ 413,483
384,000	Cincinnati Bell, Inc., 8.75%, 3/15/18	368,640
285,000	Hologic, Inc., 2.0%, 12/15/37	343,781
980,000	Horizon Lines, Inc., 4.25%, 8/15/12	836,675
370,000	Navios South American Logistics, 9.25%, 4/15/19 (144A)	377,400
200,000	Sally Holdings LLC, 10.5%, 11/15/16	217,750
210,000	Surgical Care Affiliates, Inc., 10.0%, 7/15/17 (144A)	216,825
435,000	Texas Competitive Electric Holdings LLC, 15.0%, 4/1/21 (144A)	384,975
1,112,000	Tower Automotive Holdings USA LLC, 10.625%, 9/1/17 (144A)	1,244,050
750,000	OJSC Vimpel Communications Via VIP Ireland, Ltd., 9.125%, 4/30/18 (144A)	860,625
		\$5,264,204

- (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 coupon rate accruing at April 30, 2011.
- (i) Non-income producing.
- (j) Indicates a security that has been deemed illiquid. The aggregate cost of illiquid securities is \$314,083. The aggregate value \$273,068 represents 0.2% of total net assets applicable to common shareowners.
- (k) Security is valued using fair value methods (other than prices supplied by independent pricing services). (See Note 1A).

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

- (l) Securities lending collateral is managed by Credit Suisse AG, New York branch.
- (m) At April 30, 2011, the net unrealized gain on investments based on cost for federal income tax purposes of \$233,854,364 was as follows:

Aggregate gross unrealized gain for all investments in which there is an excess of value over tax cost	\$15,100,935
Aggregate gross unrealized loss for all investments in which there is an excess of tax cost over value	(10,058,823)
	-----
Net unrealized gain	\$ 5,042,112
	=====

For financial reporting purposes net unrealized gain was \$5,803,362 and cost of investments aggregated \$233,093,114.

### Glossary of Terms:

LC Letter of Credit

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

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

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

BRL Brazilian Real  
EURO Euro  
GBP British Pound  
NOK Norwegian Krone

Purchases and sales of securities (excluding temporary cash investments) for the period ended April 30, 2011, aggregated \$81,920,205 and \$67,527,865, respectively.

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)

Generally, equity securities are categorized as Level 1, fixed income securities and senior loans are categorized as Level 2 and securities valued using fair value methods (see Note 1A) are categorized as Level 3.

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

The following is a summary of the inputs used as of April 30, 2011, in valuing the Trust's investments:

	Level 1	Level 2	Level 3	Total
Asset backed securities	\$ --	\$ 2,137,811	\$ --	\$ 2,137,811
Collateralized mortgage obligations		1,864,389	--	1,864,389
Corporate bonds & notes	--	165,303,991	--	165,303,991
Convertible bonds & notes	--	5,312,066	--	5,312,066
Sovereign debt obligation	--	1,189,920	--	1,189,920
Senior Floating rate loan interests	--	54,769,653	--	54,769,653
Municipal Bonds	--	790,500	--	790,500
Common stock (diversified metals & mining)	--	--	256,056	256,056
Common stock (steel)	--	--	105,430	105,430
Common stock (systems software)	--	--	--	
Common stock (other industries)	560,414	10,289	--	570,703
Convertible preferred stock	490,680	--	--	490,680
Preferred stock	--	592,167	--	592,167
Rights/Warrants	--	17,012	--	17,012
Temporary cash investments	--	4,984,508	--	4,984,508
Money market mutual funds	511,590	--	--	511,590
<b>Total</b>	<b>\$1,562,684</b>	<b>\$236,972,306</b>	<b>\$361,486</b>	<b>\$238,896,476</b>
Other Financial Instruments*	\$ --	\$ (157,388)	\$ --	\$ (157,388)

\* Other financial investments include foreign exchange contracts and net unrealized loss on unfunded loan commitments.

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 39

### Schedule of Investments | 4/30/11 (Consolidated) (continued)

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

	Balance as of 4/30/10	Realized gain (loss)	Change in unrealized appreciation (depreciation) <sup>1</sup>	Net purchases (sales)	Transfer in and out of Level 3*
Corporate bonds & notes (systems software)	\$ 513,749	\$--	\$ --	\$ --	\$ (5)
Floating rate loan interests (steel)	891,034	--	--	--	(8)
Common stock (diversified					

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

metal and mining)	--	--	(41,015)	297,071	
Common stock (steel)	117,044	--	(11,614)	--	
<hr style="border-top: 1px dashed black;"/>					
Ending balance	\$ 1,521,827	\$--	\$ (52,629)	\$ 297,071	\$ (1,4
<hr style="border-top: 3px double black;"/>					

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.

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

Statement of Assets and Liabilities | 4/30/11 (Consolidated)

### ASSETS:

Investments in securities, at value (including securities loaned of \$5,264,204) (cost \$233,093,114)	\$238,896,476
Cash	3,585,292
Foreign currencies, at value (cost \$3,638,647)	3,998,000
Receivables --	
Investment securities sold	1,430,514
Interest receivable	4,104,727
Forward foreign currency settlement hedge contracts -- net	923
Prepaid expenses	12,428
Other assets	81,780
<hr style="border-top: 1px dashed black;"/>	
Total assets	\$252,110,140

### LIABILITIES:

Payables --	
Notes payable	\$ 69,000,000
Investment securities purchased	2,490,780
Upon return of securities loaned	5,496,098
Forward foreign currency portfolio hedge contracts -- net	152,069
Dividends to shareowners	1,316,351
Depreciation on unfunded loan commitments -- net	6,242
Unamortized facility fees	1,106
Due to affiliates	283,342
Accrued interest expense	150,330
Accrued expenses	298,779
Other liabilities	33,272
<hr style="border-top: 1px dashed black;"/>	
Total liabilities	\$ 79,228,369

### NET ASSETS:

Paid-in capital	\$192,549,501
Distribution in excess of investment income	(1,515,690)
Accumulated net realized loss on investments and foreign currency transactions	(24,141,622)
Net unrealized gain on investments	5,797,120
Net unrealized gain on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	192,462
<hr style="border-top: 1px dashed black;"/>	
Net assets applicable to common shareowners	\$172,881,771

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

---

NET ASSET VALUE PER SHARE:

No par value (unlimited number of shares authorized)  
 Based on \$172,881,771/8,227,194 shares \$ 21.01

---

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 41

Statement of Operations (Consolidated)

For the Year Ended 4/30/11

INVESTMENT INCOME:

Interest (net of foreign taxes withheld \$10,563)	\$20,024,729
Dividends	39,393
Facility and other fees	220,643
Income from securities loaned, net	17,382

---

Total investment income	\$20,3
-------------------------	--------

---

EXPENSES:

Management fees	\$1,981,098
Administrative fees	225,001
Transfer agent fees and expenses	12,814
Shareowner communications expense	65,724
Bank loan fees and expenses	141,333
Custodian fees	37,012
Registration fees	17,499
Professional fees	105,665
Printing expenses	40,612
Trustees' fees	7,592
Pricing fees	36,149
Miscellaneous	48,815

---

Net operating expenses	\$ 2,7
------------------------	--------

---

Interest expense	\$ 9
------------------	------

---

Net operating expenses and interest expense	\$ 3,6
---	--------

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

---

Net expenses	\$ 3,6
--------------	--------

---

Net investment income	\$16,6
-----------------------	--------

---

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

Net realized gain (loss) from:

Investments	\$ (31,327)
Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	180,056 <span style="float: right;">\$ 1</span>

---

Change in net unrealized gain (loss) from:

Investments	\$5,773,402
Unfunded loan commitments	(6,242)

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

Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	167,078	\$ 5,9
<hr style="border-top: 1px dashed black;"/>		
Net gain on investments and foreign currency transactions		\$ 6,0
<hr style="border-top: 1px dashed black;"/>		
Net increase in net assets resulting from operations		\$22,7
<hr style="border-top: 3px double black;"/>		

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

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

### Statement of Changes in Net Assets

For the Years Ended 4/30/11 and 4/30/10, respectively

	Year Ended 4/30/11 (Consolidated)	Year Ende 4/30/10
<hr style="border-top: 1px dashed black;"/>		
FROM OPERATIONS:		
Net investment income	\$ 16,650,754	\$ 14,411,
Net realized gain (loss) on investments and foreign currency transactions	148,729	(9,588,
Change in net unrealized gain (loss) on investments, unfunded loan commitments and foreign currency transactions	5,934,238	62,597,
<hr style="border-top: 1px dashed black;"/>		
Net increase in net assets resulting from operations	\$ 22,733,721	\$ 67,421,
<hr style="border-top: 1px dashed black;"/>		
DISTRIBUTIONS TO SHAREOWNERS FROM:		
Net investment income (\$1.920 and \$1.686 per share, respectively)	\$ (15,772,901)	\$ (13,800,
Tax return of capital (\$0.000 and \$0.324 per share respectively)	--	(2,651,
<hr style="border-top: 1px dashed black;"/>		
Total distributions to shareowners	\$ (15,772,901)	\$ (16,452,
<hr style="border-top: 1px dashed black;"/>		
FROM TRUST SHARE TRANSACTIONS:		
Reinvestment of distributions	\$ 639,838	\$ 499,
<hr style="border-top: 1px dashed black;"/>		
Net increase in net assets resulting from Trust share transactions	\$ 639,838	\$ 499,
<hr style="border-top: 1px dashed black;"/>		
Net increase in net assets	\$ 7,600,658	\$ 51,468,
NET ASSETS:		
Beginning of year	165,281,113	113,812,
<hr style="border-top: 1px dashed black;"/>		
End of year	\$172,881,771	\$165,281,
<hr style="border-top: 1px dashed black;"/>		
Distribution in excess of net investment income	\$ (1,515,690)	\$ (1,765,
<hr style="border-top: 3px double black;"/>		

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 43

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

### Statement of Cash Flows (Consolidated)

For the Year Ended April 30, 2011

Cash Flows From Operating Activities	
Net investment income	\$ 16,650,754
-----	
Adjustment to Reconcile Net Investment Income to Net Cash and Foreign Currency Provided From Operating Activities	
Purchase of investment securities	\$ (891,399,505)
Proceeds from disposition of investment securities	895,607,497
Increase in receivable for investments sold	(362,080)
Increase in interest, foreign tax reclaim and dividends receivable	(491,362)
Decrease in prepaid expenses	673
Increase in other assets	(81,350)
Increase in accrued interest payable	85,255
Decrease in payable for investments purchased	(1,337,571)
Increase in accrued expenses	178,453
Increase in other liabilities	33,272
Increase in due to affiliates	123,095
Increase in unamortized facility fee	1,106
Decrease in unrealized appreciation on foreign currency transactions	318,224
Net realized gain from foreign currency transactions	180,056
Net amortization/(accretion) of premium/(discount)	(1,311,082)
-----	
Net adjustment to reconcile net investment income	1,544,681
-----	
Net cash and foreign currency provided from operating activities	\$ 18,195,435
-----	
Cash Flows Used in Financing Activities	
Increase in notes payable	\$ 2,000,000
Cash dividends paid to common shareowners	(15,127,947)
-----	
Net cash flow used in financing activities	\$ (13,127,947)
-----	
Net increase in cash and foreign currency	\$ 5,067,488
-----	
Cash and Foreign Currency	
Beginning of the year	\$ 2,515,804
-----	
End of the year	\$ 7,583,292
-----	
Cash Flow Information	
Cash paid for interest	\$ 874,683
=====	

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

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

	Year Ended 4/30/11 (Consolidated)	Year Ended 4/30/10
Per Share Operating Performance		
Net asset value, beginning of period	\$ 20.17	\$ 13.94
Increase (decrease) from investment operations:(a)		
Net investment income	\$ 2.03	\$ 1.76
Net realized and unrealized gain (loss) on investments and foreign currency transactions	0.73	6.48
Net increase (decrease) from investment operations	\$ 2.76	\$ 8.24
Distributions from		
Net investment income	(1.92)	(1.69)
Tax return of capital	--	(0.32)
Capital charge with respect to issuance of shares	--	--
Net increase (decrease) in net asset value	\$ 0.84	\$ 6.23
Net asset value, end of period(d)	\$ 21.01	\$ 20.17
Market value, end of period(d)	\$ 21.95	\$ 20.46
Total return at market value (e)	17.95%	73.25%
Ratios to average net assets		
Net operating expenses	1.62%	1.39%
Interest expense	0.58%	0.83%
Net expenses	2.20%	2.22%
Net investment income	10.02%	9.84%
Portfolio turnover	30%	24%
Net assets, end of period (in thousands)	\$172,881	\$165,281

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 45

Financial Highlights (continued)

	Year Ended 4/30/11 (Consolidated)	Year Ended 4/30/10
Ratios to average net assets before waivers and reimbursements of expenses		
Net operating expenses	1.64%	1.61%
Interest expense	0.58%	0.83%
Net expenses	2.22%	2.44%
Net investment income	10.00%	9.62%

(a) The per common share data presented above is based upon the average common



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

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 common shares at the current market value on the first day and a sale at the current market value on the last day of the periods reported. Dividends and distributions, if any, are assumed for purposes of this calculation to be reinvested at prices obtained under the Trust's dividend reinvestment plan. Total investment return does not reflect brokerage commissions. Total investment returns less than a full period are not annualized. Past performance is not a guarantee of future results.
- (f) Annualized.

The information above represents the audited operating performance data for a share of common 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 common shares.

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

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

Notes to Financial Statements | 4/30/11 (Consolidated)

### 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 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 issued from time to time. Please refer to those documents when considering the Trust's principal risks. At times, the Trust's investments may represent industries or industry sectors that are interrelated or have common risks, making the Trust 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

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

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 47

and liabilities at the date of the financial statements, and the reported amounts 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 policies generally accepted in the investment company industry:

### A. Security Valuation

Security transactions are recorded as of trade date. 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. Senior loans for which no reliable price quotes are available will be valued by Loan Pricing Corporation through the use of pricing matrices to determine valuations. Fixed income securities with remaining maturity of more than sixty days are valued at prices supplied by independent pricing services, which consider such factors as market prices, market events, quotations from one or more brokers, Treasury spreads, yields, maturities and ratings. Valuations may be supplemented by dealers and other sources, as required. Equity securities that have traded on an exchange are valued at the last sale price on the principal exchange where they are traded. Equity securities or senior loans for which independent pricing services are unable to supply prices or 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.

Trading in foreign securities is substantially completed each day at various times prior to the close of the NYSE. The values of such securities used in computing the net asset value of the Trust's shares are determined as of such times.

The Trust may use 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, 2011, three securities were valued using fair value methods (in addition to securities valued using prices supplied by independent pricing services) representing 0.2% of net assets. Inputs used when applying fair value methods to value a security may include credit ratings, the financial

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

condition of the company, current market conditions and comparable securities. Short-term fixed 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.

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

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

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

### C. Forward Foreign Currency Contracts

The Trust may enter into forward foreign currency contracts (contracts) for the purchase or sale of a specific foreign currency at a fixed price on a future date. All contracts are marked to market daily at the applicable exchange rates, and any resulting unrealized gains or losses are recorded in the Trust's financial statements. The Trust records realized gains and losses at the time a portfolio hedge is offset by entry into a closing transaction or extinguished by delivery of the currency. Risks may arise upon entering into these contracts from the potential inability of counterparties to meet the terms of the contract and from unanticipated movements in the value of foreign currencies relative to the U.S. dollar (see Note 6).

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 49

### D. Federal Income Taxes

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

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 three fiscal years remain subject to examination by tax authorities.

The amounts and characterizations of distributions to shareowners for financial reporting purposes are determined in accordance with federal income tax rules. Therefore, the sources of the Trust's distributions may be shown in the accompanying financial statements as either from or in excess of net investment income or as from 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, 2011, the Trust reclassified \$628,506 to increase distributions in excess of net investment income, \$628,775 to decrease net realized loss on investments and \$269 to decrease paid-in capital 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, 2011, the Trust had a net capital loss carryforward of \$23,843,173 of which the following amounts will expire between 2016 and 2019 if not utilized: \$231,744 in 2016, \$413,150 in 2017, \$21,948,862 in 2018 and \$1,249,417 in 2019.

The Trust has elected to defer approximately \$450,629 of currency losses recognized between November 1, 2010 and April 30, 2011 to its fiscal year ending April 30, 2012.

The tax character of current year distributions paid to shareowners during the years ended April 30, 2011 and April 30, 2010 was as follows:

	2011	2010
-----		
Distributions paid from:		
Ordinary income	\$15,772,901	\$13,800,249
Tax return of capital	--	2,651,977
-----		
Total	\$15,772,901	\$16,452,226
=====		

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

The following shows the components of distributable earnings (loss) on a federal income tax basis at April 30, 2011.

	2011
-----	
Distributable earnings:	
Undistributed ordinary income	\$ 516,102

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

Capital loss carryforward	(23,843,173)
Post-October loss deferred	(450,629)
Dividends payable	(1,316,351)
Unrealized appreciation	5,426,321
Total	\$ (19,667,730)

The difference between book-basis and tax-basis unrealized appreciation 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 a subcustodian 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 value of the securities loaned, which is invested in temporary investments. Credit Suisse AG, New York Branch, as the Trust's securities lending agent, manages the Trust's securities lending collateral. The income earned on the investment of collateral is shared with the borrower and the lending agent in payment of any rebate due to the borrower with respect to the securities loan, and in compensation for the lending agent's services to the Trust. The Trust also continues to receive payments in lieu of dividends or interest on the securities loaned. Gain or loss on the value of the loaned securities that may occur during the term of the loan will be for the account of the Trust. The amount of the collateral is required to be adjusted daily to reflect any price fluctuation in the value of the loaned securities. If the required market

value of the collateral is less than the value of the loaned securities, the borrower is required to deliver additional collateral for the account of the Trust prior to the close of business on that day. The Trust has the right, under the lending agreement, to terminate the loan and recover the securities from the borrower with prior notice. The Trust is required to return the cash collateral to the borrower and could suffer a loss if the value of the collateral, as invested, has declined.

### G. Automatic Dividend Reinvestment Plan

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

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

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

purchases. There are no brokerage charges with respect to newly issued common shares. However, each participant will pay a pro rata share of brokerage trading fees incurred with respect to the Plan Agent's open-market purchases. Participating in the Plan does not relieve shareowners from any federal, state or local taxes which may be due on dividends paid in any taxable year. Shareowners holding Plan shares in a brokerage account may not be able to transfer the shares to another broker and continue to participate in the Plan.

### 2. Management Agreement

PIM, a wholly owned indirect subsidiary of UniCredit S.p.A. (UniCredit), manages the Trust's portfolio. Management fees payable under the Trust's Advisory Agreement with PIM are calculated daily at the annual rate of 0.85% 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 not include any liabilities or obligations attributable to investment leverage obtained through (i) indebtedness of any type (including, without limitation,

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

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, 2011, the net management fee (excluding waivers and reimbursements) was 0.85% of the Trust's average daily managed assets, which was equivalent to 1.19% 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, 2011, \$283,342 was payable to PIM related to management costs, administrative costs and certain other reimbursements and is included in "Due to affiliates" on the Statement of Assets and Liabilities.

Effective September 1, 2010, PIM has retained State Street Bank and Trust Company (State Street) to provide certain administrative and accounting services to the Trust on its behalf. For such services, PIM pays State Street a monthly fee at an annual rate of 0.07% of the Trust's average daily managed assets up to \$500 million and 0.03% for average daily managed assets in excess of \$500 million, subject to a minimum monthly fee of \$10,000. Previously, PIM had retained Princeton Administrators, LLC (Princeton) to provide such services. PIM paid Princeton a monthly fee at an annual rate of 0.07% of the Trust's average daily managed assets up to \$500 million and 0.03% for average daily managed assets in excess of \$500 million, subject to a minimum monthly fee of \$10,000. Neither State Street nor Princeton received compensation directly from the Trust for providing such services.

PIM has entered into a Research Services Agreement with Montpelier Capital Advisors, Ltd. (Montpelier). Under the research services agreement, Montpelier

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 53

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 Internal Revenue 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 was a contractual limit which terminated on May 30, 2010. For the year ended April 30, 2011, the expense reduction under such arrangement was \$27,859.

### 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.

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

### 4. Basis for Consolidation for the Pioneer Diversified High Income Trust

The consolidated financial statements of the Trust include the accounts of Blaze Holding DHINCT, Inc. ("the Subsidiary"). All intercompany accounts and transactions have been eliminated in consolidation. The Subsidiary, a Delaware corporation, was incorporated on February 10, 2011 and is wholly-owned and controlled by the Trust. It is intended that the Trust will remain the sole shareholder of, and will continue to control, the Subsidiary. The Subsidiary acts as an investment vehicle for the Trust's interest in Blaze Recycling and Metals LLC, Class A Units. As of April 30, 2011, the Subsidiary represented approximately \$256,056 or approximately 0.1% of the net assets of the Trust.

### 5. 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, 2011, the Trust expenses were not reduced under such arrangement.

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

### 6. Forward Foreign Currency Contracts

During the year ended April 30, 2011, the Trust had entered into various forward foreign currency contracts that obligate the Trust to deliver or take delivery of currencies at specified future maturity dates. Alternatively, prior to the settlement date of a forward foreign currency contract, the Trust may close out such contract by entering into an offsetting contract. The average number of contracts open during the year ended April 30, 2011 was 863,302.

Open portfolio hedges at April 30, 2011, were as follows:

Currency	Net Contracts to Receive/ (Deliver)	In Exchange for US \$\$	Settlement Date	US \$ Value	Net Unrealized Loss
EUR	(460,000)	(633,905)	6/15/11	680,528	\$ (46,623)
EUR	(1,000,000)	(1,362,301)	1/31/12	1,467,747	(105,446)
<b>Total</b>					<b>\$ (152,069)</b>

The Trust's gross forward currency settlement contracts receivable and payable were \$220,005 and \$219,082, respectively, resulting in a net receivable of \$923.

### 7. Loan Agreement

Effective February 4, 2011, the Trust extended the maturity of its existing Revolving Credit Facility (the Credit Agreement) with the Bank of Nova Scotia and, among other things, decreased the size of the Credit Agreement from



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

\$80,000,000 to \$75 million.

At April 30, 2011, the Trust had a borrowing outstanding under the Credit Agreement totaling \$69,000,000. The interest rate charged at April 30, 2011 was 1.34%. During the year ended April 30, 2011, the average daily balance was \$66,876,712 at a weighted average interest rate of 1.42%. With respect to the loan, interest expense of \$959,938 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:

Date	Total Amount of Debt Outstanding	Asset coverage per \$1,000 of Indebtedness
4/30/11	\$69,000,000	\$3,506

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 55

### 8. Unfunded Loan Commitments

As of April 30, 2011, the Trust had unfunded loan commitments of \$186,731 (excluding unrealized appreciation on this commitment of \$1,570 as of April 30, 2011) which could be extended at the option of the borrower pursuant to the following loan agreements:

Borrower	Unfunded Loan Commitment
Inventiv Health, Inc., Term Loan B-2	\$116,667
National Specialty Hospitals, Inc., Delayed Draw Term Loan	\$ 44,554
Physician Oncology Services LP, Delayed Draw Term Loan	\$ 25,510
<b>Total</b>	<b>\$186,731</b>

In addition, the Trust had the following bridge loan commitments outstanding as of April 30, 2011:

Loan	Par	Cost	Value	Net Unrea Loss
------	-----	------	-------	----------------------

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

EchoStar Satellite Services LLC, Senior Secured Bridge Loan, 0.0%, 6/30/19	\$ 850,000	\$ 850,000	\$ 850,000	\$
EchoStar Satellite Services, LLC Senior Unsecured Bridge Loan, 0.0%, 6/30/19	\$ 425,000	\$ 425,000	\$ 425,000	\$
Emergency Medical Services Corp., First Lien Bridge Loan, 0.0%, 3/1/12	\$1,250,000	\$1,250,000	\$1,242,188	\$
Endo Pharmaceuticals Holdings, Inc., Bridge Loan, 0.0%, 4/10/12	\$ 675,000	\$ 675,000	\$ 675,000	\$
Kindred HealthCare, Inc., Senior Unsecured Bridge Loan, 0.0%, 2/7/12	\$ 850,000	\$ 850,000	\$ 850,000	\$
Silgan Holdings, Inc., Senior Subordinated Bridge Loan, 0.0%, 4/27/12	\$ 725,000	\$ 725,000	\$ 725,000	
Total				\$

### 9. 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, 2011 and the year ended April 30, 2010 were as follows:

	4/30/11	4/30/10
Shares outstanding at beginning of year	8,195,218	8,165,927
Reinvestment of distributions	31,976	29,291
Shares outstanding at end of year	8,227,194	8,195,218

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

### 10. Additional Disclosures about Derivative Instruments and Hedging Activities:

Values of derivative instruments as of April 30, 2011 were as follows

Derivatives	Asset Derivatives		Liabilities Derivative	
	Balance Sheet Location	Value	Balance Sheet Location	Val
Foreign Exchange Contracts	Receivables	\$923	Payables	\$

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

Total

\$923

\$

The effect of derivative instruments on the Statement of Operations for the year ended April 30, 2011 was as follows:

Derivatives	Location of Gain or (Loss) on Derivatives Recognized in Income	Realized Gain or (Loss) on Derivatives Recognized in Income	Change in Unrealized Gain or (Loss) on Derivatives Recognized in Income
Foreign Exchange Contracts	Net realized gain on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	\$108,987	
Foreign Exchange Contracts	Change in net unrealized gain (loss) on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies		\$ (151,146)

### 11. Subsequent Events

The Board of Trustees of the Trust declared on May 6, 2011 a dividend from undistributed net investment income of \$0.16 per common share payable May 31, 2011 to shareowners of record on May 16, 2011.

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 57

### 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 consolidated statement of assets and liabilities of Pioneer Diversified High Income (the "Trust"), including the consolidated schedule of investments, as of April 30, 2011, and the related consolidated statement of operations, consolidated statement of changes in net assets, and consolidated financial highlights for the year then ended, and the statement of changes in net assets for the year ended April 30, 2010 and the financial highlights for each of the four years in the period ended April 30, 2010. These financial statements and financial highlights are the responsibility of the Trust's management. Our responsibility is to express an

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

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, 2011, 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 consolidated 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, 2011, the consolidated results of its operations, changes in its net assets and financial highlights for the year then ended, and the changes in its net assets for the year ended April 30, 2010 and the financial highlights for each of the four years in the period ended April 30, 2010, in conformity with U.S. generally accepted accounting principles.

/s/ Ernst & Young, LLP

Boston, Massachusetts  
June 24, 2011

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

### 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.

### 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, 2011:

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

Interest-Related Dividends for Non-U.S. Residents

86.84%\*

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 59

### Approval of Investment Advisory Agreement

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 2010 as the Trustees of the Trust agreed on, among other things, an overall approach and timeline for the process. In July 2010, 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 July 2010 and September 2010. After reviewing and discussing the materials, the Trustees submitted a request for additional information to PIM, 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, 2010 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 16, 2010, 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 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. In addition, the Trustees considered the arrangements put in place to retain key

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

investment and other personnel. The Trustees also considered the substantial attention and high priority given by PIM's senior management to the Pioneer

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

fund complex.

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 third quintile of its Morningstar category for the one year period ended June 30, 2010, and in the first quintile of its Morningstar category for the three year period ended June 30, 2010. (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 noted that the yield of the Trust compared favorably to the yield of the Trust's benchmark as of June 30, 2010. The Trustees reviewed data provided by PIM 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 common shares assets for the twelve months ended June 30, 2010 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 considered the effect of leverage on the Trust's management fee relative to its peers

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 61

by reviewing the management fee ratios of the Trust and its peers based on managed assets rather than common shares assets. The Trustees noted that the Trust is a specialized fund and that additional research is required in order to implement the Trust's investment strategy. The Trustees also considered that the Trust did not have a clear cut peer group, noting that other funds in the peer group invested primarily in traditional high yield bonds.

The Trustees considered that the Trust's expense ratio based on common shares assets for the twelve months ended June 30, 2010 was in the fifth quintile relative to its Strategic Insight peer group for the comparable period. The Trustees noted that the other funds in the Trust's peer group invested

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

primarily in traditional high yield bonds and thus were not directly comparable and that no directly comparable peer group exists. 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 Trust's expense ratio, noting that the expense ratio based on managed assets was in the third quintile relative to the peer group.

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.

### 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.

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

### 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 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

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

renewal of the investment advisory agreement for the Trust.

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 63

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  
State Street Bank and Trust Company

Proxy Voting Policies and Procedures of the Trust are available without charge, upon request, by calling our toll free number (1-800-225-6292). Information regarding how the Trust voted proxies relating to portfolio securities during the most recent 12-month period ended June 30 is publicly available to shareowners at [www.pioneerinvestments.com](http://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 Trust's Trustees and officers are listed on the following pages, together with their principal occupations during at least 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 56 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.

The Statement of Additional Information of the Trust includes, additional information about the Trustees and is available, without charge, upon request, by calling 1-800-225-6292.



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

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

### Interested Trustees

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation
John F. Cogan, Jr. (84)*	Chairman of the Board, Trustee and President	Class III Trustee since 2007. Term expires in 2013.	Non-Executive Chairman and a director of Pioneer Investment Management USA I ("PIM-USA"); Chairman and a director of Pioneer; Chairman and Director of Pioneer Institutional Asset Management, Inc. (since 2006); Director of Pioneer Alternat Investment Management Limited (Dublin, Ireland); President and a director of Pioneer Alternative Investment Management (AIM) Limited and affiliated funds; Deput Director and a director of Pioneer Global Asset Management S.p.A. ("PGAM") (until August 2010); Director of PIONGLOBAL Real Estate Investment Fund (Russia) (until June 2009); Director of Nano-C, Inc. (since 2007); Director of Cole Management Inc. (since 2004); Director of Fiduciary Counsel, Inc.; President and Director of Pioneer Distributor, Inc. ("PFD") (until March 2007); President of all of the Pioneer Funds; Counsel, Wilmer Cutler Pickering Hale and Dorr LLP
Daniel K. Kingsbury (52)*	Trustee and Executive Vice President	Class I Trustee since 2007. Term expires in 2011.	Director, CEO and President of PIM-USA (since February 2007); Director and President of Pioneer and Pioneer Institutional Asset Management, Inc. (since February 2007); Executive Vice President of all of the Pioneer Funds (since March 2007); Director of PGAM (2007 - 2010); Head of New European Division, PGAM (2000 - 2005); and Head of Markets Division, PGAM (2005 - 2007)

\* Mr. Cogan and Mr. Kingsbury are Interested Trustees because they are officers or directors of the Trust's investment adviser and certain of its affiliates.

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 65

### Independent Trustees

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation
David R. Bock	Trustee	Class III Trustee since 2007. Term expires in 2013.	Managing Partner, Federal City Capital

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

(67)

2007. Term expires in 2013.

Advisors (corporate advisory service company) (1997 - 2004 and 2008 - present); Interim Chief Executive Officer, Ox Analytica, Inc. (privately held research consulting company) (2010); Executive President and Chief Financial Officer, I-trax, Inc. (publicly traded health services company) (2004 - 2007); and Executive Vice President and Chief Officer, Pedestal Inc. (internet-based mortgage trading company) (2000 - 2007)

Mary K. Bush (63) Trustee

Class II Trustee since 2007. Term expires in 2012.

Chairman, Bush International, LLC (international financial advisory firm) (1991 - present); Senior Managing Director, Brock Capital Group, LLC (strategic advisors) (2010 - present); Managing Director, Federal Housing Finance Board (oversight of Federal Home Loan Banks) (1989 - 1991); Vice President and Head of International Finance, Federal National Mortgage Association (1988 - 1989); Alternate Executive Director, International Monetary Fund (1984 - 1988); Executive Assistant to Deputy Secretary of the Treasury, U.S. Treasury Department (1984); and Vice President and Team Leader, Corporate Banking, Bankers Trust Company (1982)

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

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

Mary K. Bush (continued)

Independent Trustees (continued)

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation
Benjamin M. Friedman (66)	Trustee	Class I Trustee since 2008. Term expires in 2011.	William Joseph Maier Professor of P Economy, Harvard University (1972 -
Margaret B.W. Graham (63)	Trustee	Class I Trustee since 2007. Term expires in 2011.	Founding Director, Vice President a Corporate Secretary, The Winthrop G (consulting firm) (1982 - present); Faculty of Management, McGill Unive (1999 - present); and Manager of Re Operations and Organizational Learn Xerox PARC, Xerox's Advance Research (1990 - 1994)
Thomas J.	Trustee	Class II Trustee since	Chairman and Chief Executive Office

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

Perna (60)	2007. Term expires in 2012.	Quadriserv, Inc. (technology product securities lending industry) (2008 - present); private investor (2004 - present); Senior Executive Vice President, The City of New York (financial and securities services) (1986 - 2004)
------------	-----------------------------	--

---

Marguerite A. Piret (62)	Trustee Class II Trustee since 2007. Term expires in 2012.	President and Chief Executive Officer, Newbury, Piret & Company, Inc. (investment banking firm) (1981 - present)
--------------------------	---	--

---

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

---

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation
Stephen K. West (82)	Trustee	Class III Trustee since 2007. Term expires in 2013.	Senior Counsel, Sullivan & Cromwell LLP (1998 - present); and Partner, Sullivan & Cromwell LLP (prior to 1998)

---

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 69

### Trust Officers

---

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation
Christopher J.	Secretary	Since 2010. Serves at	Vice President and Associate General

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

Kelley (46)		the discretion of the Board.	of Pioneer since January 2008 and S of all of the Pioneer Funds since J Assistant Secretary of all of the P Funds from September 2003 to May 20 Vice President and Senior Counsel o from July 2002 to December 2007
Carol B. Hannigan (50)	Assistant Secretary	Since 2010. Serves at the discretion of the Board.	Fund Governance Director of Pioneer December 2006 and Assistant Secreta the Pioneer Funds since June 2010; Fund Governance of Pioneer from Dec to November 2006; and Senior Parale Pioneer from January 2000 to Novemb
Thomas Reyes (48)	Assistant Secretary	Since 2010. Serves at the discretion of the Board.	Counsel of Pioneer since June 2007 Assistant Secretary of all the Pion since June 2010; and Vice President Counsel at State Street Bank from O 2004 to June 2007
Mark E. Bradley (51)	Treasurer	Since 2008. Serves at the discretion of the Board.	Vice President - Fund Accounting, Administration and Controller- ship of Pioneer; Treasurer of all of the Funds since March 2008; Deputy Trea Pioneer from March 2004 to February Assistant Treasurer of all of the P Funds from March 2004 to February 2 Treasurer and Senior Vice President Asset Management Services, from 200
Luis I. Presutti (46)	Assistant Treasurer	Since 2007. Serves at the discretion of the Board.	Assistant Vice President - Fund Acc Administration and Controllership S Pioneer; and Assistant Treasurer of the Pioneer Funds
Gary Sullivan (53)	Assistant Treasurer	Since 2007. Serves at the discretion of the Board.	Fund Accounting Manager - Fund Acco Administration and Controllership S Pioneer; and Assistant Treasurer of the Pioneer Funds

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

Name and Age	Position Held With the Trust	Length of Service and Term of Office	Principal Occupation
David F. Johnson (31)	Assistant Treasurer	Since 2009. Serves at the discretion of the Board.	Fund Administration Manager - Fund Accounting, Administration and Cont Services since November 2008; Assis Treasurer of all of the Pioneer Fun January 2009; and Client Service Ma Institutional Investor Services at Street Bank from March 2003 to Marc
Jean M. Bradley (58)	Chief Compliance Officer	Since 2010. Serves at the discretion of the	Chief Compliance Officer of Pioneer all the Pioneer Funds since March 2

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

Board.

Director of Adviser and Portfolio C  
at Pioneer since October 2005; and  
Compliance Officer for Columbia Man  
Advisers, Inc. from October 2003 to  
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 | 4/30/11 71

This page for your notes.

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

This page for your notes.

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 73

This page for your notes.

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

This page for your notes.

Pioneer Diversified High Income Trust | Annual Report | 4/30/11 75

This page for your notes.

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

### 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.

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

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](http://www.pioneerinvestments.com).

The Trust files a complete statement of investments with the Securities and Exchange Commission for the first and third quarters for each fiscal year on Form N-Q. Shareowners may view the filed Form N-Q by visiting the Commission's web site at <http://www.sec.gov>. The filed form 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.

### 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

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

file a copy of any such amendment as an exhibit pursuant to Item 10(a), unless the registrant has elected to satisfy paragraph (f) of this Item by posting its code of ethics on its website pursuant to paragraph (f)(2) of this Item, or by undertaking to provide its code of ethics to any person without charge, upon request, pursuant to paragraph (f)(3) of this Item.

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

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

Not applicable.

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

Not applicable.

(f) The registrant must:

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



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

least one audit committee financial expert.

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

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

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

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

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

Not applicable.

### ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

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

#### 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 \$51,700 in 2011 and \$41,600 in 2010.

(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 2011 and 2010.

(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 2011 and 2010, respectively.

(d) Disclose, under the caption ALL OTHER FEES, the aggregate fees billed in

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

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.

### Other Fees

There were no other fees for 2011 and 2010.

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

### PIONEER FUNDS

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

#### SECTION I - POLICY PURPOSE AND APPLICABILITY

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

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

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

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

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

#### 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"><li>o Accounting research assistance</li><li>o SEC consultation, registration statements, and reporting</li><li>o Tax accrual related matters</li><li>o Implementation of new accounting</li></ul>

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

- standards
- o Compliance letters (e.g. rating agency letters)
- o Regulatory reviews and assistance regarding financial matters
- o Semi-annual reviews (if requested)
- o Comfort letters for closed end offerings

II.  
AUDIT-RELATED  
SERVICES

Services which are not prohibited under Rule 210.2-01(C)(4) (the "Rule") and are related extensions of the audit services support the audit, or use the knowledge/expertise gained from the audit procedures as a foundation to complete the project. In most cases, if the Audit-Related Services are not performed by the Audit firm, the scope of the Audit Services would likely increase. The Services are typically well-defined and governed by accounting professional standards (AICPA, SEC, etc.)

- o AICPA attest and agreed-upon procedures
- o Technology control assessments
- o Financial reporting control assessments
- o Enterprise security architecture assessment

AUDIT COMMITTEE APPROVAL POLICY

AUDIT COMMITTEE  
REPORTING POLICY

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

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

- o "One-time" pre-approval for the fund fiscal year within a specified dollar limit for all pre-approved specific service subcategories

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

- o Specific approval is needed to exceed the pre-approved dollar 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

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

Services not denoted as "pre-approved", or to add a specific service subcategory as "pre-approved"

SECTION III - POLICY DETAIL, CONTINUED

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

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> <li>o "One-time" pre-approval for the fund fiscal year within a specified dollar limit</li> <li>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)</li> <li>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"</li> </ul>	<ul style="list-style-type: none"> <li>o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly.</li> </ul>

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

SECTION III - POLICY DETAIL, CONTINUED

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

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> <li>o "One-time" pre-approval for the fund fiscal year within a specified dollar limit</li> <li>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)</li> <li>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"</li> </ul>	<ul style="list-style-type: none"> <li>o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly.</li> </ul>

SECTION III - POLICY DETAIL, CONTINUED

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

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"> <li>1. Bookkeeping or other services related to the accounting records or financial statements of the audit client*</li> <li>2. Financial information systems design and implementation*</li> <li>3. Appraisal or valuation services, fairness* opinions, or contribution-in-kind reports</li> <li>4. Actuarial services (i.e., setting actuarial reserves versus actuarial audit work)*</li> <li>5. Internal audit outsourcing services*</li> <li>6. Management functions or human resources</li> <li>7. Broker or dealer, investment advisor, or investment banking services</li> <li>8. Legal services and expert services unrelated to the audit</li> <li>9. Any other service that the Public Company Accounting Oversight Board determines, by regulation, is impermissible</li> </ol>

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> </ul>

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.

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

(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 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, 2011 and 2010, 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 2011 and \$8,290 in 2010.

(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 Trust'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

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

is acting as the registrants audit committee as specified in Section 3(a)(58)(B) of the Exchange Act (15 U.S.C. 78c(a)(58)(B)), so state.

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

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

N/A

Item 6. Schedule of Investments.

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

Included in Item 1

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

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

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

VERSION DATED July, 2004

### Overview

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

The Proxy Voting Policies and Procedures are designed to complement Pioneer's investment policies and procedures regarding its general responsibility to monitor the performance and/or corporate events of



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

companies that are issuers of securities held in accounts managed by Pioneer. Pioneer's Proxy Voting Policies summarize Pioneer's position on a number of issues solicited by companies held by Pioneer's clients. The policies are guidelines that provide a general indication on how Pioneer would vote but do not include all potential voting scenarios.

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

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

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

1

### Proxy Voting Procedures

#### Proxy Voting Service

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

#### Proxy Coordinator

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

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

### Referral Items

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

2

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

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

### Conflicts of Interest

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

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

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

existing, material contract or business relationship that was not entered into in the ordinary course of Pioneer's business.

- o Pioneer will abstain from voting with respect to companies directly or indirectly owned by UniCredito Italiano Group, unless otherwise directed by a client. In addition, Pioneer will inform PGAM Global Compliance and the PGAM Independent Directors before exercising such rights.

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

3

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

### Securities Lending

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

### Share-Blocking

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

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

### Record Keeping

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

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

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

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

4

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

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

### Disclosure

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

### Proxy Voting Oversight Group

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

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

### Amendments

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

5

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

### Proxy Voting Policies

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

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

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

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

### Administrative

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

We will generally support these and similar management proposals:

- o Corporate name change.
  - o A change of corporate headquarters.
  - o Stock exchange listing.
  - o Establishment of time and place of annual meeting.
  - o Adjournment or postponement of annual meeting.
  - o Acceptance/approval of financial statements.
  - o Approval of dividend payments, dividend reinvestment plans and other dividend-related proposals.
  - o Approval of minutes and other formalities.
- 6
- o Authorization of the transferring of reserves and allocation of income.
  - o Amendments to authorized signatories.
  - o Approval of accounting method changes or change in fiscal year-end.
  - o Acceptance of labor agreements.

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

- o Appointment of internal auditors.

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

### Auditors

We normally vote for proposals to:

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

We will normally oppose proposals that require companies to:

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

### Board of Directors

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

7

### General Board Issues

Pioneer will vote for:

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

We will vote against:

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

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

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

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

### Elections of Directors

In uncontested elections of directors we will vote against:

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

We will also vote against:

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

8

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

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

### Takeover-Related Measures

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

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

Pioneer will vote for:

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

9

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

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

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

We will vote against:



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

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

10

### Capital Structure

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

Pioneer will vote for:

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

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

- o Reverse splits not accompanied by a reduction in number of shares, considering the risk of delisting.

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

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

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

11

### Compensation

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

Pioneer will vote for:

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

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

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

12

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

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

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

A = Shares reserved for plan/amendment,

B = Shares available under continuing plans,

C = Shares granted but unexercised and

D = Shares outstanding.

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

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

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

13

We will vote against:

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

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

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

Corporate Governance

Pioneer will vote for:

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

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

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

We will vote against:

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

Mergers and Restructurings

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

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

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

Mutual Funds

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

Pioneer will vote for:

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

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

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

Social Issues

Pioneer will abstain on stockholder proposals calling for greater disclosure of corporate activities with regard to social issues. "Social

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

Issues" may generally be described as shareholder proposals for a company to:

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

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

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

16

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

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

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

#### PORTFOLIO MANAGEMENT

#### 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, 2011. For purposes of the table, "Other Pooled Investment Vehicles" may include investment partnerships, undertakings for collective investments in transferable securities ("UCITS") and other non-U.S. investment funds and group trusts, and "Other Accounts" may include separate accounts for institutions or individuals, insurance company general or separate accounts, pension funds and other similar institutional accounts but generally do not include the portfolio manager's personal investment accounts or those which the manager may be deemed to own beneficially under the code of ethics. Certain funds and other accounts managed by the portfolio manager may have substantially similar investment strategies.

NAME OF PORTFOLIO MANAGER	TYPE OF ACCOUNT	NUMBER OF ACCOUNTS MANAGED
-----	-----	-----
TOTAL ASSETS MANAGED	NUMBER OF ACCOUNTS MANAGED FOR WHICH ADVISORY FEE IS	

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

-----  
 PERFORMANCE-BASED ASSETS MANAGED FOR WHICH ADVISORY FEE IS PERFORMANCE-BASED  
 -----

Charles Melchreit  
 -----

Other Registered Investment Companies	4	\$501,345,000	N/A	
-----	-	-----	---	
N/A				
-----				
Other Pooled Investment Vehicles	2	\$461,698,000	N/A	N/A
-----	-	-----	---	---
Other Accounts	2	\$1,353,970,000	N/A	N/A
-----	-	-----	---	---

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 ASSETS MANAGED FOR WHICH ADVISORY FEE IS PERFORMANCE-BASED  
 -----

Andrew Feltus  
 -----

Other Registered Investment Companies	5	\$7,375,345,000	N/A	
-----	-	-----	---	
N/A				
-----				
Other Pooled Investment Vehicles	3	\$4,355,356,000	N/A	N/A
-----	-	-----	---	---
Other Accounts	1	\$489,040,000	N/A	N/A
-----	-	-----	---	---

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 ASSETS MANAGED FOR WHICH ADVISORY FEE IS PERFORMANCE-BASED  
 -----

Jonathan Sharkey  
 -----

Other Registered Investment Companies	3	\$863,923,000	N/A	
-----	-	-----	---	
N/A				
-----				
Other Pooled Investment Vehicles	0	\$0	N/A	N/A
-----	-	-----	---	---
Other Accounts	1	\$36,806,000	N/A	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

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

conflicts of interest to affect its portfolio management decisions, there can be no assurance that all conflicts will be identified or that all procedures will be effective in mitigating the potential for such risks. Generally, the risks of such conflicts of interest are increased to the extent that a portfolio manager has a financial incentive to favor one account over another. Pioneer has structured its compensation arrangements in a manner that is intended to limit such potential for conflicts of interest. 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.

- 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.

- 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.

- 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.

- A portfolio manager could favor an account if the portfolio manager has a beneficial interest in the account, in order to benefit a large client or to compensate a client that had poor returns. For example, if the portfolio manager held an interest in an investment partnership that was one of the accounts managed by the portfolio manager, the portfolio manager would have an economic



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

incentive to favor the account in which the portfolio manager held an interest.

- 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:

- 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.

- 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.

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

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

Certain portfolio managers may participate in other programs designed to reward

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

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, 2011 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	E
-----	-
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

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

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

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

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

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

Describe any material changes to the procedures by which shareholders may recommend nominees to the registrant's 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 registrant's 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 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

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

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 29, 2011

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

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

Date June 29, 2011

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

Date June 29, 2011

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