

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

Pioneer Diversified High Income Trust
Form N-CSR
June 27, 2014

OMB APPROVAL
OMB Number: 3235-0570
Expires: January 31, 2017
Estimated average burden
hours per response.....20.6

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, 2013 through April 30, 2014

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

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

under the clearance requirements of 44 U.S.C. ss. 3507.

ITEM 1. REPORTS TO STOCKHOLDERS.

Pioneer Diversified
High Income Trust

Annual Report | April 30, 2014

Ticker Symbol: HNW

[LOGO] PIONEER
Investments(R)

visit us: us.pioneerinvestments.com

Table of Contents

Letter to Shareowners	2
Portfolio Management Discussion	4
Portfolio Summary	10
Prices and Distributions	11
Performance Update	12
Schedule of Investments	13
Financial Statements	45
Financial Highlights	49
Notes to Financial Statements	51
Report of Independent Registered Public Accounting Firm	64
Approval of Investment Advisory Agreement	66
Trustees, Officers and Service Providers	70

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 1

President's Letter

Dear Shareowner,

A few months into 2014, we still expect U.S. economic growth for the year to be in the 2.5% to 3% range, despite some weaker economic data releases during the winter months driven in large part by harsh weather across much of the continental U.S. While unemployment remains high, employment has been rising steadily. Consumer incomes, savings, wealth, and debt-servicing capacity have

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

been solid buttresses for the recovering housing and auto industries. Industrial activity is growing only moderately, but current corporate profits are generally solid and balance sheets appear able to support needed capital spending and dividend* payouts. A modestly improving European economy and continuing economic improvement in Japan appear likely to result in improving global growth in 2014, further supporting the U.S. economy. In addition, we feel that continuing slack in labor markets and capacity utilization offer the potential for continuing growth without bottlenecks and rising inflation.

After observing the strengthening economic trends, the Federal Reserve System (the Fed) has begun scaling back its QE (quantitative easing) program, but short-term interest rates remain near zero, and while Fed Chair Janet Yellen has suggested that rates may be raised roughly six months after the QE program is fully tapered, that would still place the potential rate hike sometime in 2015.

There are certainly risks and uncertainties still facing the global economy as 2014 moves along. The European economy, while improving, remains weak, the Japanese economy faced a tax hike this spring, and a number of emerging market countries are experiencing difficulties. There are also geopolitical worries abroad, such as Russia's aggressive move against the Ukraine, and more potential political fights at home, especially during a mid-term election year. While most of the widely recognized risks we have outlined may already be "priced into" the market, we believe investors should continue to expect market volatility.

At Pioneer, we have long advocated the benefits of staying diversified and investing for the long term. And while diversification does not assure a profit or protect against loss in a declining market, we believe there are still opportunities for prudent investors to earn attractive returns. 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, keeping in mind that there is no single best strategy that works for every investor.

* Dividends are not guaranteed.

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

Pioneer's investment teams have, since 1928, sought out attractive opportunities in equity and bond markets, using in-depth research to identify undervalued individual securities, and using thoughtful risk management to construct portfolios which seek to balance potential risks and rewards in an ever-changing world.

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

Sincerely,

/s/ Daniel K. Kingsbury

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

Any information in this shareowner report regarding market or economic trends or the factors influencing the Trust's historical or future performance are statements of opinion 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

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

be realized.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 3

Portfolio Management Discussion | 4/30/14

Despite bouts of volatility, particularly in the late spring and summer of 2013, most credit-sensitive sectors generated solid, positive returns over the 12-month period ended April 30, 2014. In the following interview, Andrew Feltus, Charles Melchreit and Jonathan Sharkey discuss the factors that affected the performance of Pioneer Diversified High Income Trust during the 12-month period. Mr. Feltus, a senior vice president and portfolio manager at Pioneer, Mr. Melchreit, a senior vice president and portfolio manager at Pioneer, and Mr. Sharkey, a senior vice president and portfolio manager at Pioneer, all are members of Pioneer's Fixed-Income Team and are responsible for the day-to-day management of the Trust.

Q How did the Trust perform during the 12-month period ended April 30, 2014?

A Pioneer Diversified High Income Trust returned 8.47% at net asset value and 7.12% at market price during the 12-month period ended April 30, 2014. During the same 12-month period, the Trust's custom benchmark returned 5.32% at net asset value. The custom benchmark is based on equal weightings of the Bank of America Merrill Lynch (BofA ML) Global High Yield and Emerging Markets Plus (GHY and EMP) Index, which returned 6.13% at net asset value during the 12-month period, and the Credit Suisse (CS) Leveraged Loan Index, which returned 4.50% at net asset value. Unlike the Trust, the custom benchmark does not use leverage. While the use of leverage increases investment opportunity, it also increases investment risk. During the same 12-month period, the average return (at market price) of the 33 closed-end funds in Lipper's High Current Yield Closed End Funds category (which may or may not be leveraged) was 4.93%, and the average return (at market price) of the 20 closed-end funds in Lipper's Loan Participation Closed End Funds category (which may or may not be leveraged) was -4.20%.

The shares of the Trust were selling at a 4.1% premium to net asset value at the end of the period on April 30, 2014.

On April 30, 2014, the 30-day SEC yield on the Trust's shares was 7.03%*.

Q How would you describe the investment environment for fixed-income assets during the 12-month period ended April 30, 2014?

A The backdrop for investing in high-yield bonds and other credit-sensitive securities was challenging during the first part of the Trust's fiscal year, particularly during the spring and early summer of 2013. The most

* The 30-day SEC yield is a standardized formula that is based on the hypothetical annualized earning power (investment income only) of the Trust's portfolio securities during the period indicated.

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

immediate cause of volatility in the bond markets was investors' reaction in May 2013 to then-U.S. Federal Reserve System (Fed) Chair Ben Bernanke's suggestion that the Fed might begin tapering its quantitative easing (QE) bond-buying program, which had been a key part of the Fed's accommodative monetary policies that had helped to keep interest rates low and provided a measure of support to overall economic growth. The suggestion raised fears of rising interest rates, which became a self-fulfilling prophecy and led to

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

a sell-off of the fixed-income markets in the second calendar quarter of 2013. Investors also began to worry about the vitality of the domestic economic recovery as new-job creation continued to be weak and corporate profit gains appeared to slow. In that environment, fixed-income investments in general produced lackluster returns, with credit-sensitive securities particularly hard hit on worries about potentially slowing economic growth.

At the same time, Mr. Bernanke's comments had a significant impact on emerging markets, causing a flight of capital out of those developing economies that were less financially liquid and most dependent on the flow of money from the United States. Emerging markets such as India, Indonesia and, to a lesser extent, the Philippines, were especially hurt by the outflows. However, even more liquid emerging markets, like Mexico, were affected. Commodity-producing emerging markets also felt the effects of slowing growth trends in China as that nation began transitioning to a more consumer-driven economy less dependent on giant infrastructure and building projects.

Heading into the fall of 2013, the market for credit-sensitive securities recovered as more evidence accumulated that the U.S. economy was gathering strength. Improving employment and housing trends were some of the encouraging economic signs, and inflation, meanwhile, remained in check. Investors also began to anticipate that any monetary tightening by the Fed - based on follow-up statements made by Mr. Bernanke after his "tapering" comments in May 2013 - would be done gradually and in response to new evidence of economic strengthening. Moreover, the transition of leadership at the Fed in early 2014 from Mr. Bernanke to new Chair Janet Yellen appeared to signal confirmation of a gradual evolution of monetary policy rather than an abrupt change. The Fed ended up delaying its official announcement regarding the tapering of QE until December of 2013, and began reducing its monthly bond purchases in 2014, with the eventual goal being to fully conclude the QE program by the end of the current calendar year.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 5

Meanwhile, worries about the economic consequences of partisan political wrangling in Washington abated as a late-2013 bipartisan agreement establishing top-line Federal spending levels for the next two fiscal years seemed to, temporarily at least, put an end to the constant bickering between Democrats and Republicans over the nation's fiscal course, and that news also buoyed market sentiment. In addition, investors were encouraged that fiscal policy would be less of a factor holding back the economy's growth potential, as spending cuts at the Federal level ("sequestration") were slated to be eased as part of the bipartisan budget agreement. Finally, the threat that American military forces might be drawn into battle over control of Syria also declined over the second half of the Trust's fiscal year, although new worries emerged very late in the period over Russia's aggressive moves against the Ukraine.

As the markets grew calmer during the second half of the 12-month period, high-yield and investment-grade corporate bonds as well as most other credit-sensitive securities tended to perform well, while U.S. Treasuries and government agency debt came under pressure when market interest rates for most maturities increased. Yield spreads (the differences in yields between credit-sensitive debt and Treasuries of similar maturity) tightened and the credit sectors outperformed Treasuries. Floating-rate securities, including bank loans and insurance-linked (catastrophe) securities sponsored by insurance companies, tended to hold up relatively well during the period as the prospect of higher future interest rates garnered additional investor interest. Bank loans, in particular, performed well during the summer of

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

2013. The performance of insurance-linked securities, meanwhile, benefited from a relatively mild hurricane season in 2013.

Q How did you position the Trust's portfolio during the 12-month period ended April 30, 2014, and how did the positioning affect the Trust's performance?

A Consistent with our long-term investment strategy, we kept the Trust's portfolio well diversified** during the period, with an emphasis on the credit sectors, especially high-yield bonds. The positioning helped the Trust's performance significantly, as high-yield bonds in particular snapped back to outperform other similar asset classes late in 2013 and into 2014. Insurance-linked securities, as noted previously, also fared well, helped by both the benign storm season and an inflow of investor capital into the asset class. Floating-rate bank loans performed positively overall while adding stability to the Trust's portfolio during the highly volatile period in mid-2013, although those securities underperformed high-yield and

** Diversification does not assure a profit nor prevent loss.

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

insurance-linked securities over the full 12-month period. Emerging markets bonds - both sovereigns and corporates - recovered very well after problems early in the period and ended up producing positive performance over the full 12 months. Those securities, however, also lagged the returns produced by domestic high-yield corporates. The Trust's currency positioning exerted a slight drag on results, as part of the portfolio's exposure to emerging markets currencies was unhedged and was, therefore, negatively affected by declining performance of emerging markets currencies.

At the end of the period, on April 30, 2014, U.S. high-yield corporate bonds represented the largest position in the Trust's total investment portfolio. Insurance-linked securities represented the next-highest allocation. Other significant allocations in the Trust's portfolio at period end included floating-rate bank loans, and emerging markets debt.

Q Which individual investments had notable effects on the Trust's performance during the 12-month period ended April 30, 2014?

A Securities that made significant positive contributions to the Trust's returns during the 12-month period included portfolio positions in a U.S. high-yield bond issued by Pegasus Solutions, an information technology company that operates an electronic reservations and processing system for the hotel and hospitality industry; and an insurance-linked security issued by Residential Re. Among the more disappointing holdings in the portfolio during the period were high-yield bonds issued by Codere, a Spanish casino company, and by NII Holdings, which operates a wireless telecommunication services company in Latin America.

Q Did the use of derivatives affect the Trust's performance during the 12-month period ended April 30, 2014?

A We did use currency forward contracts to reduce the potential risks to the Trust's portfolio created by volatility in the relative values of different currencies. The tactic had a slight negative influence on the Trust's performance during the 12-month period.

Q How did the level of leverage in the Trust change during the 12-month period ended April 30, 2014?

A During the period, the value of securities held by the Trust decreased. As a

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

result, the dollar amount of leverage employed by the Trust was reduced from \$69 million to \$67 million in order to meet asset coverage requirements for its borrowings (see Note 7). The percentage of the Trust's total managed assets financed by leverage at the end of the 12-month period (28.7%) was the same as at the beginning of the period.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 7

Q What is your investment outlook?

A We retain a positive view on the economic growth outlook in general, and that should continue to support healthy corporate earnings as well as the performance of credit-sensitive securities, especially corporate high-yield bonds. In an expanding economy, the default rates for high-yield bonds should remain low by historical standards, which should support their prices. However, price appreciation has caused the yield advantages of high-yield bonds over other fixed-income assets to tighten, and so we think most of the future returns from this asset class are likely to derive from their higher yields rather than from any further significant price increases.

It is significant to point out that the Trust retains a sizable allocation to floating-rate securities, notably insurance-linked securities and bank loans. We believe the floating-rate characteristics of such securities should help them to perform well if market interest rates rise sooner than expected, or if the Fed does in fact begin increasing short-term rates, which is a real possibility sometime in 2015.

Looking ahead, we intend to keep the Trust's portfolio well diversified across the various fixed-income sectors in an attempt to take advantage of opportunities in different areas of the market, including in high-yield corporate bonds, emerging markets debt, insurance-linked securities and floating-rate bank loans.

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

Please refer to the Schedule of Investments on pages 13-44 for a full listing of Trust securities.

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

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

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

The Trust may invest a significant amount of its total assets in illiquid securities. Illiquid securities may be difficult to dispose of at a fair price reflective of their value at the times when the Trust believes it is desirable to do so and the market price of illiquid securities 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

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

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 for investments purchased with the proceeds of leverage will not be sufficient to cover the cost of the 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.

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.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 9

Portfolio Summary | 4/30/14

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	72.9%
Senior Secured Floating Rate Loan Interests	15.8%
Preferred Stocks	3.7%
Collateralized Mortgage Obligations	1.8%
Convertible Bonds & Notes	1.8%
Asset Backed Securities	1.5%
Sovereign Debt Obligations	1.3%
Common Stocks	0.6%
Convertible Preferred Stocks	0.3%
Comercial Mortgage-Backed Securities	0.3%
Right/Warrant	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]

A

0.3%

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

BBB	3.6%
BB	17.9%
B	45.7%
CCC	13.9%
CC	0.7%
D	0.2%
NR	17.7%

Bond ratings are ordered highest to lowest in portfolio. Based on Standard & Poor's measures, AAA (highest possible rating) through BBB are considered investment grade; BB or lower ratings are considered non-investment grade. Cash equivalents and some bonds may not be rated.

10 Largest Holdings

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

1. Fixed Income Trust Series 2013-A, 0.00%, 10/15/97 (144A)	1.55%
2. Altair Re II, Ltd., 0.00%	1.11
3. Lion I Re, Ltd., 1.722%, 4/28/17 (144A)	0.90
4. Kane SAC, Ltd., 0.00%, 7/18/16	0.89
5. Queen Street IV Capital, Ltd., 7.52%, 4/9/15 (144A)	0.89
6. Kizuna II Re, Ltd., 2.27%, 4/6/18 (144A)	0.88
7. Gator Re, Ltd., 6.52%, 1/9/17 (144A)	0.87
8. Kane SAC, Ltd., 0.00%, 7/7/16	0.86
9. AMC Entertainment, Inc., 9.75%, 12/1/20	0.85
10. Townsquare Radio LLC / Townsquare Radio, Inc., 9%, 4/1/19 (144A)	0.79

* 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.

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

Prices and Distributions | 4/30/14

Market Value per Common Share

4/30/14

4/30/13

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

Market Value	\$20.85	\$21.82
<hr style="border-top: 1px dashed black;"/>		
Premium	4.1%	5.4%
<hr style="border-top: 1px dashed black;"/>		

Net Asset Value per Common Share

<hr style="border-top: 1px dashed black;"/>		
<hr style="border-top: 1px dashed black;"/>		
4/30/14		
<hr style="border-top: 1px dashed black;"/>		
4/30/13		
<hr style="border-top: 1px dashed black;"/>		
Net Asset Value	\$20.03	\$20.70
<hr style="border-top: 1px dashed black;"/>		

Distributions per Common Share

<hr style="border-top: 1px dashed black;"/>			
<hr style="border-top: 1px dashed black;"/>			
	Net Investment Income	Short-Term Capital Gains	Long-Term Capital Gains
<hr style="border-top: 1px dashed black;"/>			
5/1/13 - 4/30/14	\$2.29	\$ --	\$ --
<hr style="border-top: 1px dashed black;"/>			

The data shown above represents past performance, which is no guarantee of future results.

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

Performance Update | 4/30/14

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 during the periods shown, 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 the Credit Suisse (CS) Leveraged Loan Index.

Average Annual Total Returns (As of April 30, 2014)

<hr style="border-top: 1px dashed black;"/>			
	Net Asset Value (NAV)	Market Price	50% BofA ML Global HY and EMP Index; 50% CS Leveraged Loan Index (NAV)
Period			
<hr style="border-top: 1px dashed black;"/>			

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

Life-of-Trust			
(5/30/07)	9.20%	9.10%	6.50%
5 Years	19.39	21.61	12.93
1 Year	8.47	7.12	5.32

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

Market Value of \$10,000 Investment

	Pioneer Diversified High Income Trust	50% BofA ML Global HY and EMP Index 50% CS Leveraged Loan Index
5/31/2007		\$ 10,000
4/30/2008		\$ 9,879
4/30/2009		\$ 8,422
4/30/2010		\$ 11,487
4/30/2011		\$ 12,708
4/30/2012		\$ 13,210
4/30/2013		\$ 14,786
4/30/2014		\$ 15,587

Call 1-800-225-6292 or visit us.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 is an unmanaged index that 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 unmanaged and 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

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

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 do not use leverage. It is not possible to invest directly in an index.

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

Schedule of Investments | 4/30/14

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

		ASSET BACKED SECURITIES -- 2.0% of Net Assets	
786,688 (a)	CCC-/Caa3	Aircraft Finance Trust, Series 1999-1A, Class A1, 0.632%, 5/15/24 (144A)	\$
100,000	BB/NR	CarNow Auto Receivables Trust, Series 2012-1A, Class D, 6.9%, 11/15/16 (144A)	
81,268	BB+/Ba2	Continental Airlines Pass Through Trust, Series 1998-1, Class B, 6.748%, 3/15/17	
250,000	BBB/Ba2	Delta Air Lines Pass Through Trust, Series 2010-1, Class B, 6.375%, 1/2/16 (144A)	
290,000 (b)	NR/NR	GMAT Trust, Series 2013-1A, Class M, 5.0%, 11/25/43 (144A)	
69,838 (a)	B-/Caa1	GSAMP Trust, Series 2006-HE8, Class A2B, 0.282%, 1/25/37	
895,869	NR/NR	Monty Parent Issuer LLC, Series 2013-LTR, 4.25%, 11/20/28	
940,000	NR/Ba2	Nations Equipment Finance Funding I LLC, Series 2013-1A, Class C, 5.5%, 5/20/21 (144A)	
120,508	BB/NR	Westgate Resorts LLC, Series 2012-2A, Class C, 9.0%, 1/20/25 (144A)	
307,320	NR/NR	Westgate Resorts LLC, Series 2012-BA, Class A, 9.5%, 2/20/25 (144A)	

		TOTAL ASSET BACKED SECURITIES (Cost \$3,411,010)	\$

		COLLATERALIZED MORTGAGE OBLIGATIONS -- 2.6% of Net Assets	
275,000 (c)	NR/NR	CAM Mortgage Trust, Series 2014-1, Class M, 5.5%, 12/15/53 (144A)	\$
644,376 (a)	CCC/Caa2	Carrington Mortgage Loan Trust, Series 2007-FRE1, Class A2, 0.352%, 2/25/37	
200,000 (b)	B-/B3	Credit Suisse First Boston Mortgage Securities Corp., Series 2004-C4, Class E, 5.135%, 10/15/39 (144A)	
101,389	NR/NR	Extended Stay America Trust, Series 2013-ESHM, Class M, 7.625%, 12/5/19 (144A)	
117,844	B-/Ba3	Global Mortgage Securitization, Ltd., Series 2004-A, Class B1, 5.25%, 11/25/32 (144A)	
196,671	CCC/Caa3	Global Mortgage Securitization, Ltd., Series 2005-A, Class B3, 5.25%, 4/25/32	
375,000 (a)	NR/Ba2	GS Mortgage Securities Corp. II, Series 2013-KYO, Class E, 3.753%, 11/8/29 (144A)	

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

203,797	NR/NR	Homeowner Assistance Program Reverse Mortgage Loan Trust, Series 2013-RM1, Class A, 4.0%, 5/26/53 (144A)
780,863(a)	B/Ba3	Impac CMB Trust, Series 2004-9, Class 1A1, 0.912%, 1/25/35

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 13

Schedule of Investments | 4/30/14 (continued)

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

COLLATERALIZED MORTGAGE OBLIGATIONS -- (continued)				
150,000	B/B3	JPMorgan Chase Commercial Mortgage Securities Trust, Series 2006-CB16, Class AJ, 5.623%, 5/12/45	\$	
150,000(a)	BB/NR	JPMorgan Chase Commercial Mortgage Securities Trust, Series 2013-FL3, Class E, 3.11%, 4/15/28 (144A)		
300,000(b)	NR/B1	LB-UBS Commercial Mortgage Trust, Series 2005-C2, Class C, 5.388%, 4/15/40		
556,571(b)	BB/NR	LB-UBS Commercial Mortgage Trust, Series 2006-C1, Class AJ, 5.276%, 2/15/41		
400,000(b)	B-/B1	Wachovia Bank Commercial Mortgage Trust, Series 2007-C34, Class AJ, 6.164%, 5/15/46	\$	

TOTAL COLLATERALIZED MORTGAGE OBLIGATIONS (Cost \$4,235,552)				\$

COMMERCIAL MORTGAGE-BACKED SECURITIES -- 0.4% of Net Assets				
150,000(b)	NR/Ba1	Bear Stearns Commercial Mortgage Securities Trust, Series 2005-PWR7, Class B, 5.214%, 2/11/41	\$	
250,000(b)	NR/Baa3	COMM 2012-CCRE2 Mortgage Trust, Series 2012-CR2, Class E, 5.02%, 8/15/45 (144A)		
200,000(a)	BB-/NR	COMM 2013-FL3 Mortgage Trust, Series 2013-FL3, Class RGC2, 4.5%, 10/13/28 (144A)		
150,600(a)	NR/Ba1	JPMorgan Chase Commercial Mortgage Securities Corp., Series 2006-FL2A, Class G, 0.512%, 11/15/18 (144A)		

TOTAL COMMERCIAL MORTGAGE-BACKED SECURITIES (Cost \$688,952)				\$

SENIOR SECURED FLOATING RATE LOAN INTERESTS -- 21.8% of Net Assets*(a) AUTOMOBILES & COMPONENTS -- 2.4% Auto Parts & Equipment -- 1.2%				

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

118,388	BBB-/Ba1	Federal-Mogul Corp., Tranche B Term Loan, 4.0%, 4/3/18	\$
69,485	B/B1	Federal-Mogul Corp., Tranche C Term Loan, 4.75%, 4/2/21	
243,245	B+/B1	MetalDyne LLC, USD Term Loan, 4.25%, 12/18/18	
280,034	B+/B1	TI Group Automotive Systems LLC, Additional Term Loan, 5.5%, 3/28/19	
210,253	BB/Ba2	Tomkins LLC, Term Loan B-2, 3.75%, 9/29/16	
970,231	B+/B2	Tower Automotive Holdings USA, LLC, Refinancing Term Loan, 4.0%, 4/23/20	

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
140,288	B/Ba3	Auto Parts & Equipment -- (continued) UCI International, Inc., (United Components), Term Loan, 5.5%, 7/26/17	\$
			\$
1,458,750	BB+/Ba1	Automobile Manufacturers -- 0.9% Chrysler Group LLC, Term Loan B, 3.5%, 5/24/17	\$
575,000	BB/Ba1	Tires & Rubber -- 0.3% Goodyear Tire & Rubber Co., Second Lien Term Loan, 4.75%, 4/30/19	\$
		Total Automobiles & Components	\$
824,732	B-/B3	CAPITAL GOODS -- 2.5% Aerospace & Defense -- 1.2% DAE Aviation Holdings, Inc., Tranche B-1 Loan, 5.0%, 11/2/18	\$
373,879	B/B2	DAE Aviation Holdings, Inc., Tranche B-2 Loan, 5.0%, 11/2/18	
180,593	B-/Caa1	Hunter Defense Technologies, Inc., Term Loan, 3.49%, 8/22/14	
320,357	B/B3	TASC, Inc., New Tranche B Term Loan, 4.5%, 12/18/15	
320,000	NR/NR	WP CPP Holdings LLC, Second Lien Term Loan B-1, 8.75%, 4/30/21	\$
390,000	B/Ba3	Construction & Farm Machinery & Heavy Trucks -- 0.5% Navistar, Inc., Tranche B, Term Loan, 5.75%, 8/17/17	\$
456,158	B+/B2	Waupaca Foundry, Inc., Term Loan, 4.0%, 6/29/17	

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

			\$
556,525	BB+/Ba2	Electrical Components & Equipment -- 0.4% WireCo WorldGroup, Inc., Term Loan, 6.0%, 2/15/17	\$
409,912	BBB/Ba2	Trading Companies & Distributors -- 0.4% AWAS Finance Luxembourg 2012 SA, Term Loan, 3.5%, 7/16/18	\$
284,593	B+/Ba3	WESCO Distribution, Inc., Tranche B-1 Loan, 3.75%, 12/12/19	\$
Total Capital Goods			\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 15

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		COMMERCIAL & PROFESSIONAL SERVICES -- 0.2%	
121,556	NR/Caa3	Commercial Printing -- 0.1% Cenveo Corp., Term Loan B, 6.25%, 2/13/17	\$
204,266	B+/B1	Security & Alarm Services -- 0.1% Protection One, Inc., 2012 Term Loan, 4.25%, 3/21/19	\$
Total Commercial & Professional Services			\$
		CONSUMER DISCRETIONARY -- 1.1%	
695,625	B+/B2	Automobiles & Components -- 0.4% CWGS Group LLC, Term Loan, 5.75%, 2/20/20	\$
947,625	B+/B2	Education Services -- 0.6% McGraw-Hill School Education Holdings LLC, Term B Loan, 6.25%, 12/18/19	\$
175,500	B-/B3	Publishing -- 0.1% Lee Enterprises, Inc., First Lien Term Loan, 7.25%, 3/21/19	\$
Total Consumer Discretionary			\$
		CONSUMER DURABLES & APPAREL -- 0.1%	
109,444	NR/NR	Textiles -- 0.1% Klockner Pentaplast of America, Inc.,	

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

		Term Loan B-1, 4.75%, 12/21/16	\$
		Total Consumer Durables & Apparel	\$
735,271	BB-/B2	CONSUMER SERVICES -- 1.1% Hotels, Resorts & Cruise Lines -- 0.5% Seven Sea Cruises S. DE R.L., Term B2 Loan, 3.75%, 12/21/18	\$
515,892	B+/Ba3	Restaurants -- 0.6% Landry's, Inc., (fka Landry's Restaurants, Inc.), Term Loan B, 4.0%, 4/24/18	\$
543,900	B/Ba3	NPC International, Inc., Term Loan, 4.0%, 12/28/18	\$
		Total Consumer Services	\$
100,000	CCC+/Caa2	CONSUMER STAPLES -- 0.1% Personal Products -- 0.1% Altrium Innovations, Inc., Second Lien Term Loan, 7.75%, 7/29/21	\$
		Total Consumer Staples	\$
352,500	NR/NR	ENERGY -- 1.0% Coal & Consumable Fuels -- 0.2% PT Bumi Resources Tbk, Term Loan, 18.153%, 8/15/14	\$

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
685,000	B-/B2	Oil & Gas Exploration & Production -- 0.8% Fieldwood Energy LLC, Closing Date Second Lien Term Loan, 8.375%, 9/30/20	\$
650,000	CCC+/B3	Samson Investment Co., Second Lien Term Loan, 5.0%, 9/25/18	\$
		Total Energy	\$
153,871	B/B2	FOOD, BEVERAGE & TOBACCO -- 0.7% Packaged Foods & Meats -- 0.7% Del Monte Corp., Initial Term Loan, 3.5%, 2/21/20	\$
940,000	B-/NR	New HB Acquisition LLC, Term B Loan, 6.75%, 4/9/20	\$

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

		Total Food, Beverage & Tobacco	\$

		HEALTH CARE EQUIPMENT & SERVICES -- 3.6%	
		Health Care Equipment & Services -- 0.4%	
366,000	CCC+/Caa2	Accellent, Inc., Initial Second Lien Term Loan, 7.5%, 2/21/22	\$
239,528	BB-/Ba3	Kinetic Concepts, Inc., Dollar E-1 Term Loan, 4.0%, 5/4/18	

		Health Care Facilities -- 0.9%	
713,685	BB/Ba2	CHS/Community Health Systems, Inc., Term B Loan, 4.25%, 1/27/21	\$
267,771	BB/Ba2	CHS/Community Health Systems, Inc., Term D Loan, 3.483%, 1/25/17	
82,166	BB/Ba3	HCA, Inc., Tranche B-4 Term Loan, 2.984%, 5/1/18	
197,050	BB/NR	HCA, Inc., Tranche B-5 Term Loan, 2.9%, 3/31/17	
321,756	B+/B1	Kindred Healthcare, Inc., Incremental Term Loan, 4.0%, 3/26/21	

		Health Care Services -- 1.9%	
377,708	B+/B3	AccentCare, Inc., Term Loan, 6.5%, 12/22/16	\$
208,835	B/B2	Bioscrip, Inc., Delayed Term Loan, 6.5%, 7/31/20	
348,058	B/B2	Bioscrip, Inc., Initial Term B Loan, 6.5%, 7/31/20	
718,000	B/B2	Gentiva Health Services, Inc., Initial Term Loan B, 6.5%, 10/18/19	
341,123	B-/B2	Inventiv Health, Inc., Consolidated Term Loan, 7.5%, 8/4/16	
205,000	B/B1	National Mentor Holdings, Inc., Tranche B Term Loan, 4.75%, 1/31/21	
461,513	B/NR	Surgical Care Affiliates LLC, Class C Term Loan, 4.0%, 6/29/18	

			\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 17

Schedule of Investments | 4/30/14 (continued)

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

		Health Care Services -- (continued)	
283,225	B/B2	Valitas Health Services, Inc., Term Loan B, 6.0%, 6/2/17	\$
486,250 (d)	NR/B3	Virtual Radiologic Corp., Term Loan B, 7.25%, 12/22/16	

			\$

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

237,675	B+/NR	Health Care Supplies -- 0.1% Alere, Inc., Term Loan B, 5.5%, 6/30/17	\$
<hr/>			
240,653	BB-/Ba3	Health Care Technology -- 0.3% IMS Health, Inc., Tranche B-1 Dollar Term Loan, 3.5%, 3/5/21	\$
342,486	CCC/Caa3	Medical Card System, Inc., Term Loan, 0.0%, 9/17/15	\$
<hr/>			
Total Health Care Equipment & Services			\$
<hr/>			
HOUSEHOLD & PERSONAL PRODUCTS -- 0.8%			
418,985	BB-/B1	Household Products -- 0.4% SRAM LLC, First Lien Term Loan, 4.0%, 4/10/20	\$
214,904	B-/B2	Wash MultiFamily Laundry Systems LLC, U.S. Term Loan, 4.5%, 2/21/19	\$
<hr/>			
Personal Products -- 0.2%			
215,357	BB-/NR	NBTY, Inc., B-2 Term Loan, 3.5%, 10/1/17	\$
208,828	NR/Ba2	Revlon Consumer Products Corp., Replacement Term Loan, 3.25%, 11/20/17	\$
<hr/>			
Security & Alarm Services -- 0.2%			
269,522	B/Ba3	Monitronics International, Inc., 2013 Term Loan B, 4.25%, 3/23/18	\$
<hr/>			
Total Household & Personal Products			\$
<hr/>			
INDUSTRIALS -- 0.2%			
355,000	B-/Caa1	Industrial Conglomerates -- 0.2% Filtration Group Co., Initial Second Lien Term Loan, 8.25%, 11/22/21	\$
<hr/>			
Total Industrials			\$
<hr/>			
INSURANCE -- 1.0%			
565,941	B/B1	Multi-Line Insurance -- 0.3% Alliant Holdings I LLC, Initial Term Loan, 4.25%, 12/20/19	\$

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

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

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

Property & Casualty Insurance -- 0.7%

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

593,765	CCC/Caa2	Confie Seguros Holding II Co., Second Lien Term Loan, 10.25%, 5/8/19	\$
449,330	NR/B1	USI, Inc., Initial Term Loan, 4.25%, 12/27/19	\$
Total Insurance			\$
<hr/>			
MATERIALS -- 0.9%			
Commodity Chemicals -- 0.1%			
196,024	BB-/B1	Taminc Global Chemical Corp., Initial Tranche B-3 Dollar Term Loan, 3.25%, 2/15/19	\$
<hr/>			
Diversified Chemicals -- 0.2%			
298,646	B+/B3	Univar, Inc., Term Loan B, 5.0%, 6/30/17	\$
<hr/>			
Diversified Metals & Mining -- 0.0%+			
57,668 (e)	NR/NR	PT Bakrie & Brothers Tbk, Facility Term Loan B, 0.0%, 1/20/13	\$
<hr/>			
Metal & Glass Containers -- 0.3%			
457,859	B/B1	Tank Holding Corp., Initial Term Loan, 5.5%, 7/9/19	\$
<hr/>			
Paper Products -- 0.0%+			
99,750	B/B1	Exopack Holdings SA, USD Term Loan, 5.25%, 5/8/19	\$
<hr/>			
Specialty Chemicals -- 0.3%			
123,694	BB+/Ba1	Chemtura Corp., New Term Loan, 3.5%, 8/29/16	\$
340,750	BB+/Ba2	Huntsman International LLC, Extended Term B Loan, 2.697%, 4/19/17	\$
Total Materials			\$
<hr/>			
MEDIA -- 1.4%			
Advertising -- 0.6%			
960,054	B/B1	Affinion Group, Inc., Tranche B Term Loan, 6.75%, 10/9/16	\$
<hr/>			
Broadcasting -- 0.5%			
315,000	CCC+/Caa2	Learfield Communications, Inc., Initial Second Lien Term Loan, 8.75%, 10/8/21	\$
467,009	B+/B2	Univision Communications, Inc., Replacement First-Lien Term Loan, 4.0%, 3/1/20	\$
<hr/>			
Cable & Telecommunications -- 0.2%			
341,777	B/B1	WideOpenWest Finance LLC, Term Loan B, 4.75%, 4/1/19	\$
<hr/>			
Movies & Entertainment -- 0.0%+			
93,786	NR/Baa3	Cinedigm Digital Funding I LLC, Term Loan, 3.75%, 2/28/18	\$

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 | 4/30/14 19

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
204,000	B/B2	Publishing -- 0.1% Cengage Learning Acquisitions, Inc., Term Loan, 7.0%, 3/6/20	\$
		Total Media	\$
1,290,093	BB-/B3	PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES -- 0.8% Life Sciences Tools & Services -- 0.8% Catalent Pharma, Inc., Dollar Term Loan, 3.65%, 9/15/16	\$
		Total Pharmaceuticals, Biotechnology & Life Sciences	\$
830,369	B/B2	RETAILING -- 0.4% Computer & Electronics Retail -- 0.4% Targus Group International, Inc., Term Loan, 12.0%, 5/24/16	\$
		Total Retailing	\$
561,549	BB-/B1	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.3% Semiconductor Equipment -- 0.3% Aeroflex, Inc., Tranche B-1 Term Loan, 4.5%, 11/9/19	\$
		Total Semiconductors & Semiconductor Equipment	\$
612,680	B-/B1	SOFTWARE & SERVICES -- 1.9% Application Software -- 1.5% Expert Global Solutions, Inc., Advance First Lien Term Loan B, 8.5%, 4/3/18	\$
426,300	NR/NR	Houghton Mifflin Holdings, Inc., Term Loan, 4.25%, 5/22/18	
938,168	BB+/NR	Nuance Communications, Inc., Term Loan C, 2.91%, 8/7/19	
500,000	CCC+/Caa1	Vertafore, Inc., Second Lien Term Loan, 9.75%, 10/29/17	\$
772,637	BB/Ba3	IT Consulting & Other Services -- 0.4% SunGuard Data Systems, Inc., Tranche C Term Loan, 3.903%, 2/28/17	\$
		Total Software & Services	\$

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

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		TECHNOLOGY HARDWARE & EQUIPMENT -- 0.4%	
		Communications Equipment -- 0.1%	
85,966	BB+/Ba2	CommScope, Inc., Tranche 3 Term Loan, 2.733%, 1/21/17	\$
128,949	BB+/Ba2	CommScope, Inc., Tranche 4 Term Loan, 3.25%, 1/14/18	\$
			\$
		Electronic Components -- 0.3%	
477,897	B/B2	Scitor Corp., Term Loan, 5.0%, 2/15/17	\$
		Total Technology Hardware & Equipment	\$
		TELECOMMUNICATION SERVICES -- 0.5%	
		Integrated Telecommunication Services -- 0.5%	
782,433	BB/Ba3	West Corp., Term B-8 Loan, 3.25%, 6/30/18	\$
		Total Telecommunication Services	\$
		TRANSPORTATION -- 0.1%	
		Air Freight & Logistics -- 0.1%	
193,538	B-/B2	Ozburn-Hessey Holding Co., LLC, Term Loan, 6.75%, 5/23/19	\$
		Total Transportation	\$
		UTILITIES -- 0.3%	
		Electric Utilities -- 0.3%	
636,183	CC/Caa3	Texas Competitive Electric Holdings Co., LLC, 2017 Term Loan, 4.737%, 10/10/17	\$
		Total Utilities	\$
		TOTAL SENIOR SECURED FLOATING RATE LOAN INTERESTS (Cost \$36,585,489)	\$ 3
		CORPORATE BONDS & NOTES -- 101.1% of Net Assets	
		AUTOMOBILES & COMPONENTS -- 0.6%	
		Auto Parts & Equipment -- 0.6%	
350,000	B/Caa1	International Automotive Components Group SA, 9.125%, 6/1/18 (144A)	\$
275,000	B/B3	Pittsburgh Glass Works LLC, 8.0%, 11/15/18 (144A)	

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

290,000	B+/B2	Stackpole International Intermediate Co. SA / Stackpole International Powder, 7.75%, 10/15/21 (144A)	
---------	-------	--	--

Total Automobiles & Components

\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 21

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		BANKS -- 1.5%	
		Diversified Banks -- 1.2%	
525,000	CCC+/Caa1	Banco de Galicia y Buenos Aires, 8.75%, 5/4/18 (144A)	\$
400,000 (b)	NR/Ca	Banco Macro SA, 9.75%, 12/18/36	
200,000	NR/Ba1	Turkiye IS Bankasi AS, 6.0%, 10/24/22 (144A)	
750,000	BBB/NR	UBS AG / Stamford CT, 7.625%, 8/17/22	
			\$
		Regional Banks -- 0.3%	
600,000 (b) (f)	BBB/Baa3	PNC Financial Services Group, Inc., 4.454%	\$
		Total Banks	\$
		CAPITAL GOODS -- 6.3%	
		Aerospace & Defense -- 0.8%	
400,000	B-/Caa1	ADS Tactical, Inc., 11.0%, 4/1/18 (144A)	\$
870,000	B-/B2	DynCorp International, Inc., 10.375%, 7/1/17	
			\$
		Building Products -- 0.4%	
300,000	BB/B2	USG Corp., 7.875%, 3/30/20 (144A)	\$
365,000	BB/B2	USG Corp., 9.75%, 8/1/14 (144A)	
			\$
		Construction & Engineering -- 1.2%	
900,000	B/B2	Empresas ICA S.A.B. de CV, 8.9%, 2/4/21 (144A)	\$
1,000,000	BB-/B1	OAS Investments GMBH, 8.25%, 10/19/19 (144A)	
			\$
		Construction & Farm Machinery & Heavy	

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

		Trucks -- 1.0%	
360,000	B-/B3	Meritor, Inc., 6.75%, 6/15/21	\$
660,000	CCC-/B3	Navistar International Corp., 8.25%, 11/1/21	
160,000	CCC-/Caa2	Stanadyne Holdings, Inc., 10.0%, 8/15/14	
500,000(c)	CC/Ca	Stanadyne Holdings, Inc., 12.0%, 2/15/15	
			----- \$
		Electrical Components & Equipment -- 0.5%	
750,000	B-/B3	WireCo WorldGroup, Inc., 9.5%, 5/15/17	\$

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		Industrial Conglomerates -- 0.3%	
455,000	B+/B2	JB Poindexter & Co., Inc., 9.0%, 4/1/22 (144A)	\$
		Industrial Machinery -- 1.4%	
450,000	B/B2	Cleaver-Brooks, Inc., 8.75%, 12/15/19 (144A)	\$
335,000	B-/Caa2	Liberty Tire Recycling, 11.0%, 10/1/16 (144A)	
875,000	B/Caa1	Mueller Water Products, Inc., 7.375%, 6/1/17	
665,000	CCC+/NR	WPE International Cooperatief UA, 10.375%, 9/30/20 (144A)	
150,000	B/B3	Xerium Technologies, Inc., 8.875%, 6/15/18	
			----- \$
		Trading Companies & Distributors -- 0.7%	
1,090,000	B-/B3	TRAC Intermodal LLC / TRAC Intermodal Corp., 11.0%, 8/15/19	\$
		Total Capital Goods	\$ 1
		COMMERCIAL & PROFESSIONAL SERVICES -- 0.7%	
		Diversified Support Services -- 0.7%	
950,000	B/Caa2	NANA Development Corp., 9.5%, 3/15/19 (144A)	\$
260,000	B-/B3	TMS International Corp., 7.625%, 10/15/21 (144A)	
			----- \$
		Environmental & Facilities Services -- 0.0%+	

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

700,000 (d) (e)	NR/WR	Old AII, Inc., 10.0%, 12/15/16	\$
		Total Commercial & Professional Services	\$
535,000	B+/B3	CONSUMER DURABLES & APPAREL -- 1.5% Home Furnishings -- 0.3% Tempur Sealy International, Inc., 6.875%, 12/15/20	\$
605,000 (d) (e)	NR/C	Homebuilding -- 0.1% Desarrolladora Homex SAB de CV, 9.5%, 12/11/19 (144A)	\$
500,000 (d) (e)	NR/Ca	Urbi Desarrollos Urbanos SAB de CV, 9.75%, 2/3/22 (144A)	\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 23

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
EUR 275,000	CCC+/Caa2	Leisure Products -- 1.1% Heckler & Koch GmbH, 9.5%, 5/15/18 (144A)	\$
1,000,000	CCC+/Caa1	Icon Health & Fitness, Inc., 11.875%, 10/15/16 (144A)	
375,000 (g)	CCC+/Caa2	PC Nextco Holdings LLC / PC Nextco Finance, Inc., 8.75% (0.0% PIK, 8.75% cash), 8/15/19 (144A)	\$
		Total Consumer Durables & Apparel	\$
750,000	B/B2	CONSUMER SERVICES -- 3.9% Business Services -- 0.8% Sitel LLC / Sitel Finance Corp., 11.0%, 8/1/17 (144A)	\$
500,000	B-/Caa2	Sitel LLC / Sitel Finance Corp., 11.5%, 4/1/18	\$
732,290 (g)	NR/NR	Casinos & Gaming -- 0.4% Mashantucket Western Pequot Tribe, 6.5%, (5.5% PIK, 1.0% cash), 7/1/36	\$
450,000	B/B2	Scientific Games International, Inc., 9.25%, 6/15/19	\$

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

	720,000 (g)	B-/B3	Hotels, Resorts & Cruise Lines -- 0.9%	
			MISA Investments, Ltd., 8.625% (0.0% PIK, 8.625% cash), 8/15/18 (144A)	\$
	400,000	B-/B2	Seven Seas Cruises S de RL LLC, 9.125%, 5/15/19	
	325,000	B+/B3	Viking Cruises, Ltd., 8.5%, 10/15/22 (144A)	
				\$
EUR	800,000	B+/B3	Leisure Facilities -- 0.7%	
			Cirsa Funding Luxembourg SA, 8.75%, 5/15/18 (144A)	\$
	1,235,000 (c)	B-/Caa1	Restaurants -- 0.9%	
			Burger King Capital Holdings LLC, 0.0%, 4/15/19 (144A)	\$
	400,000	B/B3	Burger King Corp., 9.875%, 10/15/18	
				\$
	315,000	B-/B3	Specialized Consumer Services -- 0.2%	
			StoneMor Partners LP / Cornerstone Family Services of WV, 7.875%, 6/1/21 (144A)	\$
			Total Consumer Services	\$

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
900,000	BB/NR	CONSUMER STAPLES -- 1.0%	
		Food Distributors -- 0.6%	
		JBS Investments GmbH, 7.25%, 4/3/24 (144A)	\$
640,000	B/B1	Packaged Foods & Meats -- 0.4%	
		Post Holdings, Inc., 6.75%, 12/1/21 (144A)	\$
		Total Consumer Staples	\$
590,000	BBB-/Baa3	DIVERSIFIED FINANCIALS -- 2.1%	
		Asset Management & Custody Banks -- 0.4%	
		Janus Capital Group, Inc., 6.7%, 6/15/17	\$
445,000	B/B1	Consumer Finance -- 0.9%	
		Jefferies Finance LLC / JFIN Co-Issuer Corp., 7.375%, 4/1/20 (144A)	\$
610,000	NR/NR	Tarjeta Naranja SA, 9.0%, 1/28/17 (144A)	

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

440,000	B/B3	TMX Finance LLC / TitleMax Finance Corp., 8.5%, 9/15/18 (144A)	\$
<hr/>			
450,000 (b) (f)	BB+/Ba2	Investment Banking & Brokerage -- 0.2% Goldman Sachs Capital II, 4.0%	\$
<hr/>			
600,000	B/B3	Multi-Sector Holdings -- 0.3% Constellation Enterprises LLC, 10.625%, 2/1/16 (144A)	\$
<hr/>			
425,000	B/B2	Specialized Finance -- 0.3% National Money Mart Co., 10.375%, 12/15/16	\$
<hr/>			
Total Diversified Financials			\$
<hr/>			
650,000	CC/Ca	ENERGY -- 16.1% Coal & Consumable Fuels -- 1.0% Bumi Capital Pte, Ltd., 12.0%, 11/10/16 (144A)	\$
400,000 (e)	D/WR	James River Coal Co., 7.875%, 4/1/19	
400,000	CCC+/Caa2	Mongolian Mining Corp., 8.875%, 3/29/17 (144A)	
300,000	B-/Caa1	Murray Energy Corp., 8.625%, 6/15/21 (144A)	
715,000	B-/Caa1	Penn Virginia Corp., 8.5%, 5/1/20	\$
<hr/>			

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 25

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
150,000	B-/B3	Integrated Oil & Gas -- 0.3% Jones Energy Holdings LLC / Jones Energy Finance Corp., 6.75%, 4/1/22 (144A)	\$
325,000	NR/Caa1	YPF SA, 8.875%, 12/19/18 (144A)	\$
<hr/>			
645,000	B/B3	Oil & Gas Drilling -- 1.8% Hercules Offshore, Inc., 8.75%, 7/15/21 (144A)	\$
730,000	CCC+/(P)Caa1	Ocean Rig UDW, Inc., 7.25%, 4/1/19 (144A)	
1,000,000	CCC+/Caa1	Ocean Rig UDW, Inc., 9.5%, 4/27/16 (144A)	

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

190,000	B+/B2	Pioneer Energy Services Corp., 9.875%, 3/15/18	
320,000	B+/B1	Shelf Drill Holdings, Ltd., 8.625%, 11/1/18 (144A)	\$
<hr/>			
448,000	B/B1	Oil & Gas Equipment & Services -- 1.4% Expro Finance Luxembourg SCA, 8.5%, 12/15/16 (144A)	\$
690,000	B/Caa1	Forbes Energy Services, Ltd., 9.0%, 6/15/19	
395,000	B-/B2	FTS International, Inc., 6.25%, 5/1/22 (144A)	
425,000	BB/B1	McDermott International, Inc., 8.0%, 5/1/21 (144A)	
330,000	B/B3	Seitel, Inc., 9.5%, 4/15/19	\$
<hr/>			
520,000	CCC+/B3	Oil & Gas Exploration & Production -- 11.2% Athlon Holdings LP / Athlon Finance Corp., 7.375%, 4/15/21 (144A)	\$
505,000	BB-/B1	Berry Petroleum Co., 10.25%, 6/1/14	
100,000	B-/B3	Comstock Resources, Inc., 7.75%, 4/1/19	
500,000	B-/B3	Comstock Resources, Inc., 9.5%, 6/15/20	
515,000	B+/B3	Energy XXI Gulf Coast, Inc., 7.5%, 12/15/21 (144A)	
600,000	B/B2	EP Energy LLC / EP Energy Finance, Inc., 9.375%, 5/1/20	
920,000	CCC/Caa1	Forest Oil Corp., 7.5%, 9/15/20	
360,000	B/NR	GeoPark Latin America, Ltd., Agencia en Chile, 7.5%, 2/11/20 (144A)	
570,000	B-/B3	Gulfport Energy Corp., 7.75%, 11/1/20	
165,000	CCC+/Caa1	Halcon Resources Corp., 9.25%, 2/15/22 (144A)	

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
<hr/>			
		Oil & Gas Exploration & Production -- (continued)	
890,000	CCC+/Caa1	Halcon Resources Corp., 9.75%, 7/15/20	\$
680,000	B-/Caa1	Lightstream Resources, Ltd., 8.625%, 2/1/20 (144A)	
630,000	B-/Caa1	Memorial Production Partners LP / Memorial Production Finance Corp., 7.625%, 5/1/21	
600,000	CCC+/Caa1	Midstates Petroleum Co., Inc., 9.25%, 6/1/21	
455,000	CCC+/Caa1	Midstates Petroleum Co., Inc., 10.75%,	

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

		10/1/20		
350,000	B+/NR	MIE Holdings Corp., 7.5%, 4/25/19 (144A)		
800,000	B+/NR	MIE Holdings Corp., 9.75%, 5/12/16 (144A)		
200,000	NR/NR	National JSC Naftogaz of Ukraine, 9.5%, 9/30/14		
1,440,000	B-/Caa1	Northern Oil & Gas, Inc., 8.0%, 6/1/20		
535,000	B-/B3	PDC Energy, Inc., 7.75%, 10/15/22		
750,000	B/Caa1	PetroQuest Energy, Inc., 10.0%, 9/1/17		
480,000	B-/Caa1	QR Energy LP / QRE Finance Corp., 9.25%, 8/1/20		
240,000	CCC-/Caa3	Quicksilver Resources, Inc., 7.125%, 4/1/16		
700,000	B-/B3	Resolute Energy Corp., 8.5%, 5/1/20		
375,000	CCC+/B3	Rice Energy, Inc., 6.25%, 5/1/22 (144A)		
870,000	B-/B3	RKI Exploration & Production LLC / RKI Finance Corp., 8.5%, 8/1/21 (144A)		
472,000	BB-/B2	Rosetta Resources, Inc., 9.5%, 4/15/18		
700,000	CCC+/B3	Samson Investment Co., 10.75%, 2/15/20 (144A)		
1,170,000	B-/B3	Sanchez Energy Corp., 7.75%, 6/15/21 (144A)		
335,000	CCC+/Caa1	Talos Production LLC / Talos Production Finance, Inc., 9.75%, 2/15/18 (144A)		
CAD 315,000	B/NR	Trilogy Energy Corp., 7.25%, 12/13/19 (144A)		
				----- \$ 1
300,000	B+/B2	Oil & Gas Refining & Marketing -- 0.2% Calumet Specialty Products Partners LP / Calumet Finance Corp., 6.5%, 4/15/21 (144A)		----- \$
450,000 (a)	BB/Ba1	Oil & Gas Storage & Transportation -- 0.2% Energy Transfer Partners LP, 3.243%, 11/1/66		----- \$
		Total Energy		----- \$ 2

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 27

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
900,000	CCC+/Caa1	FOOD, BEVERAGE & TOBACCO -- 7.7% Agricultural Products -- 1.2% Pinnacle Operating Corp., 9.0%, 11/15/20 (144A)	\$
520,000	B/B2	Southern States Cooperative, Inc., 10.0%,	

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

	500,000	B/NR	8/15/21 (144A) Tonon Bioenergia SA, 9.25%, 1/24/20 (144A)	
				\$
			Packaged Foods & Meats -- 5.5%	
	225,000	B/B2	Agrokor DD, 8.875%, 2/1/20 (144A)	\$
EUR	200,000	B/B2	Agrokor DD, 9.875%, 5/1/19 (144A)	
	650,000	BB/Ba3	Bertin SA / Bertin Finance, Ltd., 10.25%, 10/5/16 (144A)	
	500,000	B+/B2	CFG Investment SAC, 9.75%, 7/30/19 (144A)	
	297,000	B/B1	Chiquita Brands International, Inc. / Chiquita Brands LLC, 7.875%, 2/1/21	
	491,000	B+/B2	Corporacion Pesquera Inca SAC, 9.0%, 2/10/17 (144A)	
	1,100,000	B/B3	FAGE Dairy Industry SA / FAGE USA Dairy Industry, Inc., 9.875%, 2/1/20 (144A)	
	224,421 (d) (e)	NR/NR	Independencia International, Ltd., 12.0%, 12/30/16 (144A)	
	800,000	B/B2	Marfrig Holding Europe BV, 8.375%, 5/9/18 (144A)	
	700,000	B/B2	Marfrig Holding Europe BV, 11.25%, 9/20/21 (144A)	
	475,000	B/B2	Marfrig Overseas, Ltd., 9.5%, 5/4/20 (144A)	
	700,000	CCC/NR	MHP SA, 8.25%, 4/2/20 (144A)	
	1,600,000	BB-/B1	Minerva Luxembourg SA, 7.75%, 1/31/23 (144A)	
	200,000	BB-/B1	Minerva Luxembourg SA, 12.25%, 2/10/22 (144A)	
	600,000	B+/B2	Pesquera Exalmar SAA, 7.375%, 1/31/20 (144A)	
	300,000	BB/B3	Pilgrim's Pride Corp., 7.875%, 12/15/18	
				\$
			Tobacco -- 1.0%	
	1,645,000	B-/Caa1	Alliance One International, Inc., 9.875%, 7/15/21	\$
				\$
			Total Food, Beverage & Tobacco	\$ 1

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)	Value
		HEALTH CARE EQUIPMENT & SERVICES -- 2.4%
		Health Care Equipment & Services -- 0.6%
831,000	B+/B2	Physio-Control International, Inc., 9.875%,

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

		1/15/19 (144A)	\$	

500,000	B-/B3	Health Care Facilities -- 0.8% Kindred Healthcare, Inc., 6.375%, 4/15/22 (144A)	\$	
600,000	B-/B3	Kindred Healthcare, Inc., 8.25%, 6/1/19		
200,000	CCC+/Caa1	United Surgical Partners International, 9.0%, 4/1/20		

			\$	

425,000	CCC+/Caa2	Health Care Services -- 0.5% BioScrip, Inc., 8.875%, 2/15/21 (144A)	\$	
426,000	CCC+/Caa2	Gentiva Health Services, Inc., 11.5%, 9/1/18		

			\$	

500,000	B-/Caa2	Health Care Supplies -- 0.3% Immucor, Inc., 11.125%, 8/15/19	\$	

275,000	CCC+/Caa1	Health Care Technology -- 0.2% Emdeon, Inc., 11.0%, 12/31/19	\$	

			\$	

			\$	

EUR	350,000 (a)	(P)B/(P)B2	HOUSEHOLD & PERSONAL PRODUCTS -- 0.5% Household Products -- 0.3% Hydra Dutch Holdings 2BV, 5.82%, 4/15/19 (144A)	\$

345,000	CCC+/Caa1	Personal Products -- 0.2% Monitronics International, Inc., 9.125%, 4/1/20	\$	

			\$	

250,000	B-/Caa1	INDUSTRIALS -- 0.2% Industrial Machinery -- 0.2% BC Mountain LLC / BC Mountain Finance, Inc., 7.0%, 2/1/21 (144A)	\$	

			\$	

440,130 (g)	NR/NR	INFORMATION TECHNOLOGY -- 0.3% Internet Software & Services -- 0.3% First Data Holdings, Inc., 14.5% (14.5% PIK, 0.0% cash), 9/24/19 (144A)	\$	

			\$	

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 29

Schedule of Investments | 4/30/14 (continued)

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		INSURANCE -- 28.9%	
		Insurance Brokers -- 0.5%	
GBP 475,000	NR/Caa2	Towergate Finance Plc, 10.5%, 2/15/19 (144A)	\$
		Multi-Line Insurance -- 0.6%	
1,000,000 (b)	BB/Baa3	Liberty Mutual Group, Inc., 7.0%, 3/15/37 (144A)	\$
		Property & Casualty Insurance -- 2.2%	
6,000,000 (c) (d) (h)	BBB/NR	Fixed Income Trust Series 2013-A, 0.0%, 10/15/97 (144A)	\$
80,000 (b) (f)	BB+/Ba2	White Mountains Insurance Group, Ltd., 7.506%, 5/29/49 (144A)	\$
		Reinsurance -- 25.6%	
EUR 750,000 (a)	BB/NR	ATLAS Reinsurance VII, 3.65%, 1/7/16 (144A)	\$
1,000,000 (a)	BB+/NR	Bosphorus 1 Re, Ltd., 2.52%, 5/3/16 (144A)	
750,000 (a)	NR/NR	Combine Re, Ltd., 17.77%, 1/7/15 (144A)	
500,000 (a)	BB-/NR	Compass Re, Ltd., 10.27%, 1/8/15 (144A)	
500,000 (a)	B+/NR	Compass Re, Ltd., 11.27%, 1/8/15 (144A)	
1,750,000 (a)	BB+/NR	East Lane Re VI, Ltd., 2.77%, 3/14/18 (144A)	
1,000,000 (a)	BB+/NR	Foundation Re III, Ltd., 5.02%, 2/25/15	
2,000,000 (a)	NR/NR	Gator Re, Ltd., 6.52%, 1/9/17 (144A)	
1,300,000 (a)	B-/NR	Ibis Re II, Ltd., 13.52%, 2/5/15 (144A)	
2,004,948 (d)	NR/NR	Kane SAC, Ltd., 0.0%, 7/7/16	
2,006,000 (d)	NR/NR	Kane SAC, Ltd., 0.0%, 7/18/16	
1,000,000 (a)	BB-/NR	Kilimanjaro Re, Ltd., 4.52%, 4/30/18 (144A)	
1,000,000 (a)	BB-/NR	Kilimanjaro Re, Ltd., 4.77%, 4/30/18 (144A)	
2,000,000 (a)	NR/NR	Kizuna II Re, Ltd., 2.27%, 4/6/18 (144A)	
EUR 1,500,000 (a)	NR/NR	Lion I Re, Ltd., 1.722%, 4/28/17 (144A)	
250,000 (a)	NR/NR	Loma Reinsurance, Ltd., 12.02%, 1/8/18 (144A)	
500,000 (a)	NR/NR	Loma Reinsurance, Ltd., 17.02%, 1/8/18 (144A)	
1,000,000 (a)	NR/NR	Merna Reinsurance V, Ltd., 2.02%, 4/7/17 (144A)	
1,750,000 (a)	BB-/NR	MetroCat Re, Ltd., 4.52%, 8/5/16 (144A)	
975,000 (a)	B-/NR	Mythen Re, Ltd., 11.779%, 11/10/16 (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)		Value
Reinsurance -- (continued)			
500,000 (a)	B+/NR	Mythen Re, Ltd. Series 2012-2 Class A, 8.549%, 1/5/17 (144A)	\$
1,250,000 (a)	NR/NR	Pelican Re, Ltd., 6.02%, 5/15/17 (144A)	
2,000,000 (a)	BB-/NR	Queen Street IV Capital, Ltd., 7.52%, 4/9/15 (144A)	
500,000 (a)	B/NR	Queen Street VII Re, Ltd., 8.62%, 4/8/16 (144A)	
1,250,000 (a)	B-/NR	Residential Reinsurance 2011, Ltd., 12.02%, 6/6/15 (144A)	
250,000 (a)	NR/NR	Residential Reinsurance 2012, Ltd., 12.77%, 12/6/16 (144A)	
1,250,000 (a)	NR/NR	Residential Reinsurance 2012, Ltd., 19.02%, 12/6/16 (144A)	
1,000,000 (a)	NR/NR	Residential Reinsurance 2012, Ltd., 22.02%, 6/6/16 (144A)	
500,000 (a)	NR/NR	Residential Reinsurance 2013, Ltd., 20.02%, 12/6/17 (144A)	
1,500,000 (d) (i)	NR/NR	Sector Re V, Ltd., 0.0%, 3/30/19 (144A)	
1,005,999 (d) (i)	NR/NR	Sector Re V, Ltd., 0.0%, 12/1/17 (144A)	
1,630 (d) (i)	NR/NR	Sector Re V, Ltd., 0.0%, 3/1/18 (144A)	
1,000,000 (d) (i)	NR/NR	Silverton RE, Ltd., 0.0%, 9/16/16 (144A)	
500,000 (a)	NR/B2	Successor X, Ltd., 11.02%, 1/27/15 (144A)	
1,500,000 (a)	B-/NR	Successor X, Ltd., 11.27%, 11/10/15 (144A)	
500,000 (a)	NR/NR	Successor X, Ltd., 16.27%, 11/10/15 (144A)	
1,000,000 (a)	NR/NR	Successor X, Ltd., 16.52%, 1/27/15 (144A)	
1,000,000 (a)	B+/NR	Tar Heel Re, Ltd., 8.52%, 5/9/16 (144A)	
			\$ 4
Total Insurance			\$ 4
MATERIALS -- 11.1%			
Commodity Chemicals -- 0.5%			
300,000	BBB/WR	Basell Finance Co. BV, 8.1%, 3/15/27 (144A)	\$
EUR 250,000	CCC+/B3	KP Germany Erste GmbH, 11.625%, 7/15/17 (144A)	
			\$
Construction Materials -- 0.4%			
389,000	B+/NR	Cemex Espana Luxembourg, 9.875%, 4/30/19 (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)		Value
Construction Materials -- (continued)			
300,000 (f)	BB/NR	Magnesita Finance, Ltd., 8.625%, 4/29/49 (144A)	\$
			\$
Diversified Metals & Mining -- 1.7%			
590,000	CCC+/Caa2	Boart Longyear Management Pty, Ltd., 7.0%, 4/1/21 (144A)	\$
330,000	B/B2	Boart Longyear Management Pty, Ltd., 10.0%, 10/1/18 (144A)	
300,000 (e)	D/WR	Midwest Vanadium Pty, Ltd., 11.5%, 2/15/18 (144A)	
150,000 (d) (g) (h)	NR/NR	Mirabela Nickel, Ltd., 3.5% (0.0% PIK, 3.5% cash), 6/30/14 (144A)	
650,000 (d) (e)	NR/WR	Mirabela Nickel, Ltd., 8.75%, 4/15/18 (144A)	
550,000	CCC+/B3	Molycorp, Inc., 10.0%, 6/1/20	
180,000	B/Caa1	Prince Mineral Holding Corp., 11.5%, 12/15/19 (144A)	
750,000	BB/Ba3	Vedanta Resources Plc, 9.5%, 7/18/18 (144A)	\$
Metal & Glass Containers -- 0.7%			
625,015 (g)	CCC+/Caa2	Ardagh Finance SA, 11.125% (11.125% PIK, 0.0% cash), 6/1/18 (144A)	\$
EUR 250,000	CCC+/Caa1	Ardagh Glass Finance Plc, 8.75%, 2/1/20 (144A)	
175,000	CCC+/Caa1	BWAY Holdings Co., 10.0%, 6/15/18	\$
Paper Packaging -- 1.7%			
606,510 (c)	NR/NR	Bio Pappel SAB de CV, 10.0%, 8/27/16	\$
580,000	B-/NR	Exopack Holding Corp., 10.0%, 6/1/18 (144A)	
500,000	B-/Caa1	Pretium Packaging LLC / Pretium Finance, Inc., 11.5%, 4/1/16	
500,000	CCC+/Caa2	Reynolds Group Issuer, Inc., 9.0%, 4/15/19	
475,000	CCC+/Caa2	Reynolds Group Issuer, Inc., 9.875%, 8/15/19	\$
Paper Products -- 1.8%			
675,000	CCC+/B2	Appvion, Inc., 9.0%, 6/1/20 (144A)	\$
186,000	B+/B1	Grupo Papelero Scribe SA de CV, 8.875%, 4/7/20 (144A)	

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

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

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

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

		Paper Products -- (continued)	
344,000	B/B3	Mercer International, Inc., 9.5%, 12/1/17	\$
840,000	BB-/Ba3	Resolute Forest Products, Inc., 5.875%, 5/15/23 (144A)	
545,000	BB/Ba2	Sappi Papier Holding GmbH, 8.375%, 6/15/19 (144A)	
255,000	B-/Caa1	Unifrax I LLC / Unifrax Holding Co., 7.5%, 2/15/19 (144A)	

			\$

500,000	BB-/Ba3	Precious Metals & Minerals -- 0.3% ALROSA Finance SA, 8.875%, 11/17/14 (144A)	\$

		Steel -- 4.0%	
750,000	B-/Caa1	AM Castle & Co., 12.75%, 12/15/16	\$
250,000	B+/B3	APERAM, 7.375%, 4/1/16 (144A)	
450,000	B/B3	Essar Steel Algoma, Inc., 9.375%, 3/15/15 (144A)	
950,000	CCC/Caa2	Essar Steel Algoma, Inc., 9.875%, 6/15/15 (144A)	
250,000	B+/B1	Evrax Group SA, 9.5%, 4/24/18 (144A)	
900,000	CCC+/Caa2	Ferrexpo Finance Plc, 7.875%, 4/7/16 (144A)	
900,000	NR/Caa2	Metinvest BV, 8.75%, 2/14/18 (144A)	
600,000	NR/Caa2	Metinvest BV, 10.25%, 5/20/15 (144A)	
585,000	B/B2	Optima Specialty Steel, Inc., 12.5%, 12/15/16 (144A)	
677,000	B-/B3	Permian Holdings, Inc., 10.5%, 1/15/18 (144A)	
750,000	CCC+/NR	Ryerson, Inc., 9.0%, 10/15/17	

			\$

Total Materials			\$ 1

		MEDIA -- 5.2%	
		Broadcasting -- 2.3%	
400,000	B-/Caa2	Intelsat Luxembourg SA, 7.75%, 6/1/21	\$
EUR 150,000	B+/B1	Nara Cable Funding II, Ltd., 8.5%, 3/1/20 (144A)	
200,000	B+/B1	Nara Cable Funding, Ltd., 8.875%, 12/1/18 (144A)	
1,655,000	B/B3	Townsquare Radio LLC / Townsquare Radio, Inc., 9.0%, 4/1/19 (144A)	
990,000	CCC+/Caa2	Truven Health Analytics, Inc., 10.625%, 6/1/20	

			\$

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 | 4/30/14 33

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
EUR 200,000	B+/B1	Cable -- 0.2% Nara Cable Funding, Ltd., 8.875%, 12/1/18 (144A)	\$
1,710,000	B-/B3	Movies & Entertainment -- 2.0% AMC Entertainment, Inc., 9.75%, 12/1/20	\$
600,000	B-/B2	Gibson Brands, Inc., 8.875%, 8/1/18 (144A)	
200,000	CCC+/Caa1	Production Resource Group, Inc., 8.875%, 5/1/19	
625,000	B/Caa1	WMG Acquisition Corp., 6.75%, 4/15/22 (144A)	\$
855,000	BB/Ba1	Publishing -- 0.7% Gannett Co., Inc., 6.375%, 10/15/23 (144A)	\$
245,000	B-/B3	Interactive Data Corp., 10.25%, 8/1/18	\$
		Total Media	\$
300,000	B/B3	PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES -- 0.8% Biotechnology -- 0.8% ConvaTec Healthcare E SA, 10.5%, 12/15/18 (144A)	\$
1,043,000	B-/Caa2	Lantheus Medical Imaging, Inc., 9.75%, 5/15/17	
		Total Pharmaceuticals, Biotechnology & Life Sciences	\$
200,000	B/Ba3	REAL ESTATE -- 0.4% Diversified REIT's -- 0.1% CNL Lifestyle Properties, Inc., 7.25%, 4/15/19	\$
410,000	CCC+/NR	Real Estate Operating Companies -- 0.3% IRSA Inversiones y Representaciones SA, 8.5%, 2/2/17 (144A)	\$

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

		Total Real Estate	\$

		RETAILING -- 0.6%	
625,000	B/NR	Department Stores -- 0.6%	
		Grupo Famsa SAB de CV, 7.25%, 6/1/20 (144A)	\$
350,000	CCC+/Caa2	Neiman Marcus Group, Inc., 8.0%, 10/15/21 (144A)	
		Total Retailing	\$

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

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

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

		SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.4%	
210,000	B/B2	Semiconductors -- 0.4%	
		Advanced Micro Devices, Inc., 6.75%, 3/1/19 (144A)	\$
500,000	B/B2	Advanced Micro Devices, Inc., 7.5%, 8/15/22	
		Total Semiconductors & Semiconductor Equipment	\$

		SOFTWARE & SERVICES -- 1.4%	
415,000	B-/B3	Application Software -- 0.3%	
		Interface Security Systems Holdings, Inc. / Interface Security Systems LLC, 9.25%, 1/15/18 (144A)	\$

		Data Processing & Outsourced Services -- 0.5%	
404,000	B-/Caa1	First Data Corp., 8.25%, 1/15/21 (144A)	\$
250,000	B-/Caa1	First Data Corp., 10.625%, 6/15/21	
225,000	BB-/Ba3	NeuStar, Inc., 4.5%, 1/15/23	
			\$

		Systems Software -- 0.6%	
1,064,473 (d)	NR/NR	Pegasus Solutions, Inc., 13.0%, 4/15/14 (144A)	\$
		Total Software & Services	\$

		TELECOMMUNICATION SERVICES -- 2.3%	
388,000	CCC+/Caa1	Integrated Telecommunication Services -- 0.7%	
		Cincinnati Bell, Inc., 8.75%, 3/15/18	\$
300,000	BB-/Ba2	Frontier Communications Corp., 8.75%, 4/15/22	

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

350,000	NR/WR	PAETEC Holding Corp., 9.875%, 12/1/18	----- \$

250,000	B-/B3	Wireless Telecommunication Services -- 1.6% Altice Finco SA, 8.125%, 1/15/24 (144A)	\$
300,000	(P)B/(P)B3	Altice SA, 7.75%, 5/15/22 (144A)	
750,000	CC/Caa2	NII Capital Corp., 10.0%, 8/15/16	
250,000	NR/NR	Unison Ground Lease Funding LLC, 5.78%, 3/15/20 (144A)	
1,115,000	BB/Ba3	Vimpel Communications Via VIP Finance Ireland, Ltd. OJSC, 9.125%, 4/30/18 (144A)	

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 35

Schedule of Investments | 4/30/14 (continued)

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

RUB 14,400,000	BB/Ba3	Wireless Telecommunication Services -- (continued) VimpelCom Holdings BV, 9.0%, 2/13/18 (144A)	\$
			----- \$
		Total Telecommunication Services	----- \$

1,000,000	B-/NR	TRANSPORTATION -- 3.1% Airlines -- 0.9% Gol Finance, 9.25%, 7/20/20 (144A)	\$
500,000	BB-/NR	TAM Capital 3, Inc., 8.375%, 6/3/21 (144A)	----- \$

577,680	CCC+/Caa1	Airport Services -- 0.4% Aeropuertos Argentina 2000 SA, 10.75%, 12/1/20 (144A)	----- \$

MXN 4,500,000	BBB/NR	Highways & Railtracks -- 0.2% Red de Carreteras de Occidente SAPIB de CV, 9.0%, 6/10/28 (144A)	----- \$

500,000	B+/NR	Marine -- 0.4% Far East Capital, Ltd. SA, 8.0%, 5/2/18 (144A)	----- \$
375,000	B+/(P)B2	Navios South American Logistics, Inc. / Navios Logistics Finance US, Inc., 7.25%, 5/1/22 (144A)	----- \$

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

			\$
485,000	B/B3	Railroads -- 0.3% Florida East Coast Holdings Corp., 6.75%, 5/1/19 (144A)	\$
1,000,000	B-/B2	Trucking -- 0.9% Jack Cooper Holdings Corp., 9.25%, 6/1/20 (144A)	\$
425,000	B+/B1	Swift Services Holdings, Inc., 10.0%, 11/15/18	\$
Total Transportation			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
750,000	CCC/NR	UTILITIES -- 2.1% Electric Utilities -- 1.4% Cia de Energia Electrica en Alta Tension Transener SA, 9.75%, 8/15/21 (144A)	\$
625,000	NR/Caa2	DTEK Finance Plc, 7.875%, 4/4/18 (144A)	\$
419,000	NR/Caa3	Empresa Distribuidora Y Comercializadora Norte, 9.75%, 10/25/22 (144A)	\$

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

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

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
460,000 (b)	BB+/Ba1	Electric Utilities -- (continued) Enel SpA, 8.75%, 9/24/73 (144A)	\$
225,000	BBB-/Baa3	PNM Resources, Inc., 9.25%, 5/15/15	\$
240,000	D/Caa3	Texas Competitive Electric Holdings Co., LLC / TCEH Finance, Inc., 11.5%, 10/1/20 (144A)	\$
			\$
1,156,600	CCC+/Caa1	Gas Utilities -- 0.7% Transportadora de Gas del Sur SA, 9.625%, 5/14/20 (144A)	\$
Total Utilities			\$
TOTAL CORPORATE BONDS & NOTES (Cost \$164,352,061)			\$ 16
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
			\$
120,000	BBB/NR	CONVERTIBLE BONDS & NOTES -- 2.5% of Net Assets DIVERSIFIED FINANCIALS -- 0.1% Asset Management & Custody Banks -- 0.1% Apollo Investment Corp., 5.75%, 1/15/16	\$

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

		Total Diversified Financials	\$
		HEALTH CARE EQUIPMENT & SERVICES -- 0.7%	
		Health Care Equipment & Services -- 0.7%	
1,040,000 (c)	B+/NR	Hologic, Inc., 2.0%, 12/15/37	\$
		Health Care Services -- 0.0%+	
15,000	B+/B2	Omnicare, Inc., 3.25%, 12/15/35	\$
		Total Health Care Equipment & Services	\$
		MATERIALS -- 1.1%	
		Diversified Chemicals -- 1.0%	
1,900,000 (j)	B+/NR	Hercules, Inc., 6.5%, 6/30/29	\$
		Diversified Metals & Mining -- 0.1%	
100,000	BB/NR	Vedanta Resources Jersey, Ltd., 5.5%, 7/13/16	\$
		Total Materials	\$
		MEDIA -- 0.4%	
		Movies & Entertainment -- 0.4%	
659,000	B/NR	Live Nation Entertainment, Inc., 2.875%, 7/15/27	\$
		Total Media	\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 37

Schedule of Investments | 4/30/14 (continued)

Principal Amount USD (\$)	S&P/Moody's Ratings (unaudited)		Value
		PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES -- 0.1%	
		Biotechnology -- 0.1%	
250,000	NR/NR	Corsicanto, Ltd., 3.5%, 1/15/32	\$
		Total Pharmaceuticals, Biotechnology & Life Sciences	\$
		SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.1%	
		Semiconductors -- 0.1%	
250,000	NR/NR	ReneSola, Ltd., 4.125%, 3/15/18 (144A)	\$
		Total Semiconductors & Semiconductor Equipment	\$
		TOTAL CONVERTIBLE BONDS & NOTES	

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

		(Cost \$3,316,864)		\$

SOVEREIGN DEBT OBLIGATIONS --				
1.8% of Net Assets				
376,480		CCC+/NR	Argentina -- 0.2%	
			Province of Salta Argentina, 9.5%, 3/16/22 (144A)	\$

BRL	750,000	BBB-/Baa2	Brazil -- 0.2%	
			Brazilian Government International Bond, 10.25%, 1/10/28	\$

GHS	600,000	NR/NR	Ghana -- 0.5%	
GHS	300,000	NR/NR	Ghana Government Bond, 19.24%, 5/30/16	\$
GHS	150,000	NR/NR	Ghana Government Bond, 21.0%, 10/26/15	
	500,000	B/B1	Ghana Government Bond, 26.0%, 6/5/17	
			Republic of Ghana, 7.875%, 8/7/23 (144A)	\$

MXN	500,000	A/A3	Mexico -- 0.5%	
MXN	8,870,000	A/A3	Mexican Bonos, 7.5%, 6/3/27	\$
MXN	308,964	A/A3	Mexican Bonos, 7.75%, 11/13/42	
			Mexican Udibonos, 3.5%, 12/14/17	\$

NGN	79,000,000	NR/NR	Nigeria -- 0.3%	
			Nigeria Government Bond, 16.0%, 6/29/19	\$

	100,000	CCC/Caa3	Ukraine -- 0.1%	
			Ukraine Government International Bond, 6.75%, 11/14/17 (144A)	\$

TOTAL SOVEREIGN DEBT OBLIGATIONS				\$
(Cost \$3,276,543)				

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

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

Shares	Value

COMMON STOCKS -- 0.8% of Net Assets	
DIVERSIFIED FINANCIALS -- 0.0%+	
731 (k)	Other Diversified Financial Services -- 0.0%+
	BTA Bank JSC (G.D.R.) (144A)
	\$

	Total Diversified Financials
	\$

ENERGY -- 0.0%+	
808 (k)	Oil & Gas Exploration & Production -- 0.0%+
	Halcon Resources Corp.
	\$

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

	Total Energy	\$
2,114 (d) (k)	SOFTWARE & SERVICES -- 0.0%+ Systems Software -- 0.0%+ Perseus Holding Corp. (144A)	\$
	Total Software & Services	\$
943 (k)	TRANSPORTATION -- 0.8% Air Freight & Logistics -- 0.7% CEVA Holdings LLC	\$
247,509 (d) (k)	Marine -- 0.1% Horizon Lines, Inc., Class A	\$
	Total Transportation	\$
	TOTAL COMMON STOCKS (Cost \$1,558,707)	\$
470 (f)	CONVERTIBLE PREFERRED STOCKS -- 0.4% of Net Assets DIVERSIFIED FINANCIALS -- 0.3% Other Diversified Financial Services -- 0.3% Bank of America Corp., 7.25%	\$
	Total Diversified Financials	\$
200 (f) (k)	ENERGY -- 0.1% Oil & Gas Exploration & Production -- 0.1% Halcon Resources Corp., 5.75%	\$
	Total Energy	\$
	TOTAL CONVERTIBLE PREFERRED STOCKS (Cost \$524,900)	\$
500 (b) (f)	PREFERRED STOCKS -- 5.2% of Net Assets BANKS -- 0.3% Diversified Banks -- 0.3% AgStar Financial Services ACA, 6.75% (144A)	\$
	Total Banks	\$

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 39

Schedule of Investments | 4/30/14 (continued)

Shares		Value
	DIVERSIFIED FINANCIALS -- 0.7% Other Diversified Financial Services -- 0.7%	

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

40,675 (b)	GMAC Capital Trust I, 8.125%	\$	
	Total Diversified Financials	\$	
	INSURANCE -- 4.1%		
	Reinsurance -- 4.1%		
673,438 (d) (k)	Altair Re	\$	
2,500,000 (d) (k)	Altair Re II, Ltd.		
15,000 (d) (k)	Lorenz Re, Ltd.		
1,500,000 (d) (k)	Pangaea Re		
	Total Insurance	\$	
	SOFTWARE & SERVICES -- 0.1%		
	Data Processing & Outsourced Services -- 0.1%		
1,110 (d) (k)	Perseus Holding Corp., 14.0% (144A)	\$	
	Total Software & Services	\$	
	TOTAL PREFERRED STOCKS		
	(Cost \$7,598,684)	\$	
	RIGHT/WARRANT -- 0.0%+ of Net Assets		
	AUTOMOBILES & COMPONENTS -- 0.0%+		
	Auto Parts & Equipment -- 0.0%+		
86 (k)	Lear Corp., Expires 11/9/14	\$	
	Total Automobiles & Components	\$	
	TOTAL RIGHT/WARRANT		
	(Cost \$4,645)	\$	
	PURCHASED PUT OPTION -- 0.0%+		
	U.S. Dollar versus Turkish Lira	\$	
672,138			
	TOTAL PURCHASED PUT OPTION		
	(Cost \$11,073)	\$	
	TOTAL INVESTMENTS IN SECURITIES -- 138.6%		
	(Cost -- \$225,564,480) (1) (m)	\$	23
	WRITTEN CALL OPTION -- (0.0)%+		
	U.S. Dollar versus Turkish Lira	\$	
(672,138)			
	TOTAL WRITTEN CALL OPTION		
	(Premiums Received \$(11,073))	\$	
	OTHER ASSETS AND LIABILITIES -- (38.6)%	\$	(6
	NET ASSETS APPLICABLE TO		
	COMMON SHAREOWNERS -- 100.0%	\$	16

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

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

+ Amount rounds less than 0.1%.

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

- NR Security not rated by S&P or Moody's.
- WR Rating withdrawn by either S&P or Moody's.
- (144A) Security is exempt from registration under Rule 144A of the Securities Act of 1933. Such securities may be resold normally to qualified institutional buyers in a transaction exempt from registration. At April 30, 2014, the value of these securities amounted to \$126,123,428, or 75.7% of total net assets applicable to common shareowners.
- * Senior secured floating rate loan interests in which the Trust invests generally pay interest at rates that are periodically redetermined by reference to a base lending 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 rate of a certificate of deposit or (iv) other base lending rates used by commercial lenders. The interest rate shown is the rate accruing at April 30, 2014.
- (a) Floating rate note. The interest rate shown is the coupon rate at April 30, 2014.
- (b) The interest rate is subject to change periodically. The interest shown is the rate at April 30, 2014.
- (c) Debt obligation initially issued at one coupon rate which converts to a higher coupon rate at a specific date. The rate interest shown is the rate at April 30, 2014.
- (d) Indicates a security that has been deemed illiquid. As of April 30, 2014 the aggregate cost of illiquid securities in the Trust's portfolio was \$20,499,662. As of that date, the aggregate value of illiquid securities in the Trust's portfolio of \$20,411,858 represented 12.3% of total net assets applicable to common shareowners.
- (e) Security is in default and is non-income producing.
- (f) Security is perpetual in nature and has no stated maturity date.
- (g) Payment in Kind (PIK) security which may pay interest in the form of additional principal amount.
- (h) Security is valued using fair value methods (other than prices supplied by independent pricing services). See Notes to Financial Statements -- Note 1A.
- (i) Security issued with a zero coupon. Income is recognized through accretion of discount.
- (j) Security is priced as a unit.
- (k) Non-income producing.
- (l) At April 30, 2014, the net unrealized appreciation on investments based on cost for federal tax purposes of \$227,905,114 was as follows:

Aggregate gross unrealized appreciation for all investments in which

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

there is an excess of value over tax cost	\$13,387,706
Aggregate gross unrealized depreciation for all investments in which there is an excess of tax cost over value	(10,411,654) -----
Net unrealized appreciation	\$ 2,976,052 =====

For financial reporting purposes net unrealized appreciation on investments was \$5,316,686 and cost of investments aggregated \$225,564,480.

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 41

Schedule of Investments | 4/30/14 (continued)

(m) Distributions of Investments by country of issue, as a percentage of total investments in securities, is as follows:

United States	60.8%
Cayman Islands	7.6
Bermuda	7.5
Luxembourg	3.5
Ireland	3.3
Argentina	2.2
Netherlands	2.0
United Kingdom	1.6
Canada	1.6
Mexico	1.5
Brazil	1.2
Austria	1.1
Other (individually less than 1%)	6.1

	100.0%
	=====

Purchases and sales of securities (excluding temporary cash investments) for the year ended April 30, 2014 aggregated \$88,337,086 and \$91,177,671, respectively.

Glossary of Terms:

(G.D.R.) Global Depositary Receipt

Principal amounts are denominated in U.S. dollars unless otherwise noted.

BRL	--	Brazilian Real
CAD	--	Canadian Dollar
EUR	--	Euro
GBP	--	Great British Pound
GHS	--	Ghanaian Cedis
MXN	--	Mexican Peso
NGN	--	Nigeria Naira
RUB	--	Russian Ruble

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

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

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 risks, etc.). See Notes to Financial Statements -- Note 1A.

Level 3 -- significant unobservable inputs (including the Trust's own assumptions in determining fair value of investments). See Notes to Financial Statements -- Note 1A.

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 (other than prices supplied by independent pricing services or broker-dealers) as Level 3. See Notes to Financial Statements -- Note 1A.

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

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

The following is a summary of the inputs used as of April 30, 2014, in valuing the Trust's investments.

	Level 1	Level 2	Level 3	Total
Asset Backed Securities	\$ --	\$ 3,421,120	\$ --	\$ 3,421,120
Collateralized Mortgage Obligations	--	4,278,265	--	4,278,265
Commercial Mortgage-Backed Securities	--	742,794	--	742,794
Senior Secured Floating Rate Loan Interests	--	36,388,949	--	36,388,949
Corporate Bonds & Notes				
Materials				
Diversified Metals & Mining	--	2,693,525	146,250	2,839,775
Insurance				
Reinsurance	--	34,530,663	8,046,566	42,577,229
Property & Casualty Insurance	--	84,274	3,588,313	3,672,587
All Other Corporate Bonds & Notes	--	119,224,347	--	119,224,347
Convertible Bonds & Notes	--	4,089,606	--	4,089,606
Sovereign Debt Obligations	--	2,953,085	--	2,953,085
Common Stocks				
Transportation				
Air Freight & Logistics	--	1,193,287	--	1,193,287
Software & Services				
Systems Software	--	3,171	--	3,171
All Other Common Stocks	176,893	--	--	176,893
Convertible Preferred Stocks				
Energy				
Oil & Gas Exploration & Production	--	191,425	--	191,425
All Other Convertible Preferred Stocks	534,977	--	--	534,977
Preferred Stocks				
Insurance				
Reinsurance	--	--	6,852,231	6,852,231
Banks				

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

Diversified Banks	--	506,219	--	506,219
Software & Services				
Data Processing & Outsourced Services	--	91,020	--	91,020
All Other Preferred Stocks	1,118,156	--	--	1,118,156
Right/Warrant	14,193	--	--	14,193
Purchased Options	--	11,837	--	11,837
<hr/>				
Total Investments in Securities	\$2,350,438	\$209,897,368	\$18,633,360	\$230,881,166
<hr/>				
Other Financial Instruments				
Net depreciation on Forward Foreign Currency Contracts	\$ --	\$ (38,577)	\$ --	\$ (38,577)
Written Options	--	(4,052)	--	(4,052)
<hr/>				
Total Other Financial Instruments	\$ --	\$ (42,629)	\$ --	\$ (42,629)
<hr/>				

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 43

Schedule of Investments | 4/30/14 (continued)

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

	Balance as of 4/30/13	Realized gain (loss) (1)	Change in Unrealized appreciation (depreciation) (2)	Purchases	Sales	Accrued discounts/ premiums
Corporate Bonds & Notes						
Materials						
Diversified Metals & Mining	\$ --	\$ --	\$ (3,750)	\$ 150,000	\$ --	\$ --
Insurance						
Reinsurance Property & Casualty Insurance	2,588,700	7,629	424,085	7,528,448	(2,500,000)	(2,295)
Preferred Stocks						
Insurance Reinsurance	3,754,107	--	(165,795)	--	--	--
Reinsurance	3,509,600	--	677,943	3,991,250	(1,326,562)	--
<hr/>						
Total	\$9,852,407	\$7,629	\$ 932,483	\$11,669,698	\$ (3,826,562)	\$ (2,295)
<hr/>						

* Transfers are calculated on the beginning of period value.

(1) Realized gain (loss) on these securities is included in the realized gain (loss) from investments in the Statement of Operations.

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

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

Net change in unrealized appreciation of Level 3 investments still held and considered Level 3 at 4/30/14: \$1,033,528.

The following table presents additional information about valuation techniques and inputs used for investments that were measured at fair value and categorized as Level 3 at April 30, 2014:

	Fair Value 4/30/14	Valuation Technique(s)	Unobservable Input	Value/ Range
Corporate Bonds & Notes	\$8,192,816	Broker Quote	Proprietary Broker Model	\$0.9750-254.42 per bond
Corporate Bonds & Notes**	\$3,588,313	Market Comparables	Yield premium	1.05%
Preferred Stocks	\$6,852,231	Broker Quote	Proprietary Broker Model	\$1.023-120.88 per share

** The significant unobservable input used in the fair value measurement of corporate bonds and notes is yield premium. Significant increases (decreases) in this input could result in a significantly higher (lower) fair value measurement.

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

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

Statement of Assets and Liabilities | 4/30/14

ASSETS:

Investments in securities, at value (cost \$225,564,480)	\$230,881,166
Receivables --	
Investment securities sold	3,315,725
Interest receivable	3,503,712
Reinvestment of distributions	40,953
Other assets	61,700
Total assets	\$237,803,256

LIABILITIES:

Payables --	
Outstanding borrowing	\$ 67,000,000
Investment securities purchased	300,843
Written Options (premiums received \$11,073)	4,052
Due to affiliates	163,080
Administration fee payable	58,179
Net unrealized depreciation on forward foreign currency contracts	38,577

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

Interest payable	3,071
Due to custodian (cost \$172,131)	3,504,842
Accrued expenses	119,263
<hr style="border-top: 1px dashed black;"/>	
Total liabilities	\$ 71,191,907
<hr style="border-top: 1px dashed black;"/>	
NET ASSETS APPLICABLE TO COMMON SHAREOWNERS:	
Paid-in capital	\$194,393,456
Distributions in excess of net investment income	(1,667,878)
Accumulated net realized loss on investment and foreign currency transactions	(31,390,022)
Net unrealized appreciation on investments	5,316,686
Net unrealized appreciation on written options	7,021
Net unrealized depreciation on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	(47,904)
<hr style="border-top: 1px dashed black;"/>	
Net assets applicable to common shareowners	\$166,611,349
<hr style="border-top: 1px dashed black;"/>	
NET ASSET VALUE PER COMMON SHARE:	
No par value (unlimited number of shares authorized)	
Based on \$166,611,349 /8,320,167 common shares	\$ 20.03
<hr style="border-top: 1px dashed black;"/>	

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 45

Statement of Operations

For the Year Ended 4/30/14

INVESTMENT INCOME:	
Interest	\$ 19,027,498
Dividends	164,062
Facility and other fees	365,916
<hr style="border-top: 1px dashed black;"/>	
Total Investment income	\$ 19,557,476
<hr style="border-top: 1px dashed black;"/>	
EXPENSES:	
Management fees	\$ 1,998,581
Administrative reimbursements	122,953
Transfer agent fees and expenses	8,784
Shareowner communication expense	12,168
Custodian fees	43,329
Professional fees	65,090
Printing expenses	13,500
Trustees' fees	6,604
Pricing fees	29,090
Miscellaneous	49,693
<hr style="border-top: 1px dashed black;"/>	
Net operating expenses	\$ 2,349,792
<hr style="border-top: 1px dashed black;"/>	
Interest expense	\$ 743,785
<hr style="border-top: 1px dashed black;"/>	
Net operating expenses and interest expense	\$ 3,093,577
<hr style="border-top: 1px dashed black;"/>	

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

Net investment income		\$ 16,463,899

REALIZED AND UNREALIZED GAIN (LOSS) ON INVESTMENTS, WRITTEN OPTIONS AND FOREIGN CURRENCY TRANSACTIONS:		
Net realized loss on:		
Investments	\$ (3,551,259)	
Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	(461,161)	\$ (4,012,420)

Change in net unrealized appreciation on:		
Investments	\$ 891,313	
Written options	7,021	
Forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	59,756	\$ 958,090

Net loss on investments		\$ (3,054,330)

Net increase in net assets resulting from operations		\$ 13,409,569
=====		

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

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

Statements of Changes in Net Assets

	Year Ended 4/30/14	Year Ended 4/30/13

FROM OPERATIONS:		
Net investment income	\$ 16,463,899	\$ 18,526,936
Net realized gain (loss) on investments and foreign currency transactions	(4,012,420)	334,053
Change in unrealized appreciation (depreciation) on investments, written options and foreign currency transactions	958,090	7,932,614

Net increase in net assets resulting from operations	\$ 13,409,569	\$ 26,793,603

DISTRIBUTIONS TO COMMON SHAREOWNERS:		
Net investment income (\$2.29 and \$2.04 per share, respectively)	\$ (19,031,655)	\$ (16,884,599)

Total distributions to common shareowners	\$ (19,031,655)	\$ (16,884,599)

FROM TRUST SHARE TRANSACTIONS:		
Reinvestment of distributions	\$ 587,349	\$ 591,527

Net increase in net assets from Trust share transactions	\$ 587,349	\$ 591,527

Net increase (decrease) in net assets	\$ (5,034,737)	\$ 10,500,531
NET ASSETS APPLICABLE TO COMMON SHAREOWNERS:		
Beginning of year	171,646,086	161,145,555

End of year	\$ 166,611,349	\$ 171,646,086

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

Undistributed (distributions in excess of) net investment income \$ (1,610,823) \$ 956,803

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 47

Statement of Cash Flows

For the Year Ended April 30, 2014

Cash Flows From Operating Activities	
Net increase in net assets resulting from operations	\$ 13,409,569
<hr/>	
Adjustments to reconcile Net Increase in net assets resulting from operations to Net Cash and Foreign Currency provided by Operating Activities	
Purchase of investment securities	\$ (367,939,670)
Proceeds from disposition of investment securities	374,807,526
Net accretion and amortization of discount/premium on corporate debt obligations and short term investments	(869,053)
Premiums received from written options	11,073
Increase in receivable for investments sold	(1,705,965)
Decrease in interest receivable	565,196
Decrease in reinvestment of distributions	2,639
Decrease in prepaid expenses	11
Decrease in other assets	7,459
Decrease in interest payable	(629)
Decrease in administration fee payable	(1,242)
Decrease in payable for investment securities purchased	(3,225,173)
Decrease in due to affiliates	(21,127)
Decrease in accrued expenses	(15,866)
Increase in due to custodian	2,124,579
Change in unrealized appreciation of investments	(891,313)
Change in unrealized appreciation of written options	(7,021)
Change in unrealized appreciation of forward foreign currency contracts	(78,410)
Net realized loss from investments	3,551,259
<hr/>	
Net cash and foreign currency provided by operating activities	\$ 19,723,842
<hr/>	
Cash flows Used Financing Activities:	
Reinvestment of distributions	\$ 587,349
Decrease in notes payable	(2,000,000)
Cash dividends paid to common shareholders	(19,031,655)
<hr/>	
Net cash flow used in financing activities	\$ (20,444,306)
<hr/>	
Cash and Foreign Currency	
Beginning of the year	\$ 720,464
<hr/>	
End of year	\$ --
<hr/>	
Cash Flow Information	
Cash paid for interest	\$ 744,414
<hr/>	

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

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

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

Financial Highlights

	Year Ended 4/30/14	Year Ended 4/30/13	Year Ended 4/30/12 (Consolidated)
Per Share Operating Performance			
Net asset value, beginning of year	\$ 20.70	\$ 19.51	\$ 21.01
Increase (decrease) from investment operations:(a)			
Net investment income	\$ 1.98	\$ 2.24	\$ 2.10
Net realized and unrealized gain (loss) on investments, written options and foreign currency transactions	(0.36)	0.99	(1.64)
Net increase from investment operations	\$ 1.62	\$ 3.23	\$ 0.46
Distributions to common shareowners from:			
Net investment income	(2.29)	(2.04)	(1.96)
Tax return of capital	--	--	--
Net increase (decrease) in net asset value	\$ (0.67)	\$ 1.19	\$ (1.50)
Net asset value, end of year(b)	\$ 20.03	\$ 20.70	\$ 19.51
Market value, end of year(b)	\$ 20.85	\$ 21.82	\$ 20.13
Total return at market value(c)	7.12%	19.98%	1.35%
Ratios to average net assets			
Total expenses plus interest expense(d)	1.86%	1.97%	2.04%
Net investment income	9.88%	11.26%	10.75%
Portfolio turnover	38%	34%	24%
Net assets, end of year (in thousands)	\$166,611	\$171,646	\$161,146

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 49

Financial Highlights (continued)

	Year Ended 4/30/14	Year Ended 4/30/13	Year Ended 4/30/12 (Consolidated)
Ratios to average net assets before waivers and reimbursements of expenses			
Net operating expenses	1.41%	1.49%	1.48%

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

Total operating expenses plus interest expense(d)	1.86%	1.97%	2.04%
Net investment income	9.88%	11.26%	10.75%

- (a) The per common share data presented above is based upon the average common shares outstanding for the periods presented.
- (b) 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.
- (c) Total investment return is calculated assuming a purchase of common shares at the current market value on the first day and a sale at the current market value on the last day of the periods reported. Dividends and distributions, if any, are assumed for purposes of this calculation to be reinvested at prices obtained under the Trust's dividend reinvestment plan. Total investment return does not reflect brokerage commissions. Past performance is not a guarantee of future results.
- (d) Includes interest expense of 0.45%, 0.48%, 0.56%, 0.58% and 0.83%, respectively.

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.

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

Notes to Financial Statements | 4/30/14

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 seek a high level of current income and the Trust may, as a secondary objective, also seek capital appreciation to the extent that it is consistent with its investment objective.

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

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

A. Security Valuation

Security transactions are recorded as of trade date. Senior floating rate loan interests (senior loans) are valued in accordance with guidelines

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

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, an independent pricing service. If price information is not available from Loan Pricing Corporation or if the price information is deemed to be unreliable, price information will be obtained from an alternative loan interest pricing service. If no reliable price quotes are available from either the primary or alternative pricing service broker quotes will be solicited. Fixed-income securities with remaining maturities 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 that have not traded on the date of valuation or securities for which sale prices are not available, generally are valued using the mean between the last bid and

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 51

asked prices. Short-term fixed income securities with remaining maturities of sixty days or less generally are valued at amortized cost. Shares of money market mutual funds are valued at such funds' net asset value.

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

Securities and loan interests 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 by a fair valuation team comprised of certain personnel of Pioneer Investment Management, Inc. (PIM), the Trust's investment adviser, pursuant to procedures adopted by the Trust's Board of Trustees. PIM's fair valuation team uses fair value methods approved by the Valuation Committee of the Board of Trustees. PIM's valuation team is responsible for monitoring developments that may impact fair valued securities and for discussing and assessing fair value on an ongoing basis, and at least quarterly, with the Valuation Committee of the Board of Trustees.

Inputs used when applying fair value methods to value a security may include credit ratings, the financial condition of the company, current market conditions and comparable securities. 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. Examples of a significant event might include political or economic news, corporate restructurings, natural disasters, terrorist activity or trading halts. Thus, the valuation of the Trust's securities may differ significantly from exchange prices and such differences could be material.

At April 30, 2014, two securities were valued using fair value methods (in addition to securities valued using prices supplied by independent pricing services or broker-dealers) representing 2.2% of net assets applicable to common shareholders. The value of these fair valued securities are \$3,734,563.

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

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

security. Premiums and discounts related to certain mortgage-backed securities are amortized or accreted in proportion to the monthly paydowns.

Interest income, including interest on income bearing cash accounts, is recorded on an accrual basis, net of unrecoverable foreign taxes withheld at the applicable country rates.

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

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

C. Forward Foreign Currency Contracts

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

D. Federal Income Taxes

It is the Trust's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute all of its taxable income and net realized capital gains, if any, to its shareowners. Therefore, no federal income tax provision is required. As of April 30, 2014, the Trust did not accrue any interest or penalties with respect to uncertain tax positions, which if applicable, would be recorded as income tax expense in the Statement of Operations. Tax returns filed within the prior three years remain subject to examination by federal and state tax authorities.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 53

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

The amount and character of income and capital gain distributions to shareowners are determined in accordance with federal income tax rules, which differ from U.S. generally accepted accounting principles. Distributions in excess of net investment income or net realized gains are temporary overdistributions for financial statement purposes resulting from differences in the recognition or classification of income or distributions for financial statement and tax purposes. Capital accounts within the financial statements are adjusted for permanent book/tax differences to reflect tax character, but are not adjusted for temporary differences. At April 30, 2014, the Trust reclassified \$56,925 to decrease Distributions in excess of net investment income, \$56,926 to increase accumulated net realized loss on investments and foreign currency transactions and \$1 to decrease Paid-in capital to reflect permanent book/tax differences. These adjustments have no impact on the net assets or results of operations.

At April 30, 2014, the Trust was permitted to carry forward \$4,901,516 of long term and \$708,926 of short term losses without limitation. Additionally, at April 30, 2014, the Trust had a net capital loss carry forward 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. Since unlimited losses are required to be used first, loss carry forwards that are subject to expiration may be more likely to expire unused.

The Trust has elected to defer \$1,642,624 of capital losses recognized between November 1, 2013 and April 30, 2014 to its fiscal year ending April 30, 2015.

The tax character of current year distributions payable to common and preferred shareowners will be determined at the end of the current taxable year. The tax character of distributions paid during the year ended April 30, 2014 was as follows:

	2014	2013
Distributions paid from:		
Ordinary income	19,031,655	\$16,884,599
Total	19,031,655	\$16,884,599

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

The following shows the components of distributable earnings (losses) on a federal income tax basis at April 30, 2014:

	2014
Distributable earnings:	
Undistributed ordinary income	\$ 755,799
Capital loss carryforward	(29,453,615)
Post-October loss deferred	(1,642,624)

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

Unrealized appreciation	2,558,333

Total	\$ (27,782,107)
=====	

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 temporary book/tax differences.

E. Risks

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. Below investment grade securities, including floating rate loans, involve greater risk of loss, are subject to greater price volatility, and are less liquid and more difficult to value, especially during periods of economic uncertainty or change, than higher rated debt securities. The trust may invest in securities of issuers that are in default or that are in bankruptcy. The value of collateral, if any, securing a floating rate loan can decline or may be insufficient to meet the issuer's obligations or may be difficult to liquidate. No

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 55

active trading market may exist for many floating rate loans, and many loans are subject to restrictions on resale. Any secondary market may be subject to irregular trading activity and extended settlement periods. Additionally, the Trust may invest in "event-linked" bonds, which sometimes are referred to as "insurance-linked" or "catastrophe" bonds. The return of principal and the payment of interest on event-linked bonds are contingent on the nonoccurrence of a pre-defined "trigger" event, such as hurricane or an earthquake of a specific magnitude. In addition to the specific trigger events, event-linked bonds may expose the Trust to other risks, including but not limited to issuer (credit) default, adverse regulatory or jurisdictional interpretations and adverse tax consequences. 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 would investments in a developed market. These risks include disruptive political or economic conditions and the possible imposition of adverse governmental laws or currency exchange restrictions.

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

F. 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 sub-custodian of the Trust. PIM is responsible for determining that the value of the collateral remains at least equal to the repurchase price.

G. Automatic Dividend Reinvestment Plan

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

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

Plan, dividends will be paid in cash to the shareowner of record. A firm or nominee may reinvest a shareowner's cash dividends in common shares of the Trust on terms that differ from the terms of the Plan.

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

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

H. Option Writing

The Trust may write put and covered call options to seek to increase total return. When an option is written, the Trust receives a premium and becomes obligated to purchase or sell the underlying security at a fixed price, upon the exercise of the option. When the Trust writes an option, an amount equal to the premium received by the Trust is recorded as a liability and is subsequently adjusted to the current value of the option written. Premiums received from writing options that expire unexercised are treated by the Trust on the expiration date as realized gains from investments. The difference between the premium and the amount paid on effecting a closing purchase transaction, including brokerage commissions, is also treated as a realized gain, or, if the premium is less than the amount paid for the closing purchase transaction, as a realized loss. If a call option is exercised, the premium is added to the proceeds from the sale of the underlying security in determining whether the

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 57

Trust has realized a gain or loss. The Trust as a writer of an option bears the market risk of an unfavorable change in the price of the security underlying the written option.

The average value of option contracts open for the year ended April 30, 2014 was \$10,888. Written call and put option contracts outstanding at period end are listed at the end of the Trust's schedule of investments.

The Trust held one written call option contract that was open at April 30, 2014. If the call option was exercised at April 30, 2014, the maximum amount the Fund would have been required to pay was \$4,052.

Transactions in written call options for the year ended April 30, 2014 are summarized as follows:

	Number of Contracts	Premiums Received
Options open at beginning of year	--	\$ --
Options written	672,138	11,073
Options terminated in closing transactions	--	--
Options expired	--	--
Options open at end of year	672,138	\$ 11,073

I. Purchased Options

The Trust may purchase put and call options to seek increase total return. Purchased call and put options entitle the Trust to buy and sell a specified number of shares or units of a particular security, currency or index at a specified price at a specific date or within a specific period of time. Upon the purchase of a call or put option, the premium paid by the Trust is included in the Statement of Assets and Liabilities as an investment. All premiums are marked-to-market daily, and any unrealized gains or losses are recorded in the Trust's financial statements. As the purchaser of an index option, the Trust has the right to receive a cash payment equal to any

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

depreciation in the value of the index below the strike price of the option (in the case of a put) or equal to any appreciation in the value of the index over the strike price of the option (in the case of a call) as of the valuation date of the option. Premiums paid for purchased calls and put options which have expired are treated as realized losses on investments in the Statement of Operations. Upon the exercise or closing of a purchased put option, the premium is offset against the proceeds on the sale of the underlying security or financial instrument in order to determine the realized gain or loss on investments. Upon the exercise or closing of a purchased call option, the premium is added to the cost of the security or financial instrument. The risk associated with purchasing options is limited to the premium originally paid. The average value of purchased options during the year ended April 30, 2014 was \$7,953. Purchased option contracts outstanding at year end are listed at the end of the Trust's schedule of investments.

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

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, 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, 2014, the net management fee was 0.85% of the Trust's average daily managed assets, which was equivalent to 1.20% 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, 2014 \$221,259 was payable to PIM related to management costs, administrative costs and certain other services and is included in "Due to affiliates" and "Administration fee payable" on the Statement of Assets and Liabilities.

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 calls.

4. Expense Offset Arrangement

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, 2014, the Trust expenses were not reduced under such arrangement.

5. Forward Foreign Currency Contracts

At April 30, 2014, the Trust had entered forward foreign currency contracts that obligate the Trust to deliver or take delivery of currencies at specified future

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

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 value of contracts open during the year ended April 30, 2014 was \$9,066,309.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 59

Open foreign currency contracts at April 30, 2014 were as follows:

Currency	Net Contracts to Receive/ (Deliver)	In Exchange For US\$	Settlement Date	US\$ Value	Net Unrealized Appreciation/ (Depreciation)
BRL	550,000	\$ 228,890	6/6/14	\$ 243,773	\$ 14,883
EUR	350,000	483,853	6/11/14	485,472	1,619
EUR	(5,079,308)	(7,022,606)	6/11/14	(7,045,318)	(22,712)
EUR	(1,383,642)	(1,909,057)	4/24/15	(1,919,233)	(10,176)
GBP	(459,062)	(748,210)	5/6/14	(775,194)	(26,984)
PHP	46,000,000	1,027,015	5/13/14	1,031,808	4,793
Total					\$(38,577)

6. Assets and Liabilities Offsetting

Financial instruments subject to an enforceable master netting agreement have been offset on the Statement of Assets and Liabilities. The following charts show gross assets and liabilities as of April 30, 2014.

Assets:

Description	Gross Amounts of Recognized Assets	Gross Amounts Offset in the Statement of Assets and Liabilities	Net Amounts of Assets and Liabilities Presented In the Statement of Assets and Liabilities	Gross Amounts Not Offset in the Statement of Assets and Liabilities	Cash Collateral Received	Net Amount
Forward Foreign Currency Contracts	\$ 21,295	\$ (21,295)	\$ --	\$ --	\$ --	\$ 21,295
	\$ 21,295	\$ (21,295)	\$ --	\$ --	\$ --	\$ 21,295

Liabilities:

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

Description	Gross Amounts of Recognized Liabilities	Gross Amounts Offset in the Statement of Assets and Liabilities	Net Amounts of Assets Presented In the Statement of Assets and Liabilities	Gross Amounts Not Offset in the Statement of Assets and Liabilities		
				Financial Instruments	Cash Collateral Received	Net Amount
Forward Foreign Currency Contracts	\$ 59,872	\$ (21,295)	\$ 38,577	\$ --	\$ --	\$ 38,577
Written Options	\$ 4,052	\$ --	\$ 4,052	\$ --	\$ --	\$ 4,052
	\$ 63,924	\$ (21,295)	\$ 42,629	\$ --	\$ --	\$ 42,629

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

7. Loan Agreement

Effective January 31, 2014, the Trust extended the maturity of its existing Revolving Credit Facility (the Credit Agreement) with the Bank of Nova Scotia; the amount of the facility remains at \$75 million.

At April 30, 2014, the Trust had a borrowing outstanding under the Credit Agreement totaling \$67,000,000. The interest rate charged at April 30, 2014 was 1.00%. During the year ended April 30, 2014, the average daily balance was \$67,816,667 at a weighted average interest rate of 1.06%. With respect to the loan, interest expense of \$743,785 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
April 30, 2014	\$67,000,000	\$3,487

8. Trust Shares

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

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

Transactions in common shares of beneficial interest for the year ended April 30, 2014 and April 30, 2013 were as follows:

	4/30/14	4/30/13
Shares outstanding at beginning of year	8,290,790	8,261,236
Reinvestment of distributions	29,377	29,554
Shares outstanding at end of year	8,320,167	8,290,790

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 61

9. Additional Disclosures about Derivative Instruments and Hedging Activities:

Values of derivative instruments as of April 30, 2014 were as follows:

	Asset Derivatives 2014		Liabilities Derivatives 2014	
Derivatives Not Accounted for as Hedging Instruments Under Accounting Standards Codification (ASC) 815	Statement of Assets and Liabilities Location	Value	Statement of Assets and Liabilities Location	Value
Forward foreign currency contracts	Net unrealized appreciation on forward foreign currency contracts	\$ --	Net unrealized depreciation on forward foreign currency contracts	\$ (38,577)
Written options	Net unrealized appreciation on written options	\$ --	Net unrealized depreciation on written options	\$ (4,052)
Total		\$ --		\$ (42,629)

The effect of derivative instruments on the Statement of Operations for the year ended April 30, 2014 was as follows:

		Realized Gain or (Loss) on Derivatives Recognized in Income	Change in Unrealized Appreciation or (Depreciation) on Derivatives Recognized in Income
Derivatives Not Accounted for as Hedging Instruments Under Accounting Standards Codification (ASC) 815	Location of Gain or (Loss) on Derivatives Recognized in Income	Derivatives Recognized in Income	Recognized in Income

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

Forward foreign currency contracts	Net realized gain (loss) on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	\$(472,920)
<hr style="border-top: 1px dashed black;"/>		
Forward foreign currency contracts	Change in net unrealized appreciation (depreciation) on forward foreign currency contracts and other assets and liabilities denominated in foreign currencies	\$78,410
<hr style="border-top: 1px dashed black;"/>		
Written options	Change in unrealized appreciation (depreciation) on written options	\$ 7,021
<hr style="border-top: 1px dashed black;"/>		
Purchased options	Change in unrealized appreciation (depreciation) on purchased options	\$ 764
<hr style="border-top: 1px dashed black;"/>		

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

10. Subsequent Events

The Board of Trustees of the Trust declared on May 5, 2014 a monthly dividend from undistributed net investment income of \$0.16 per common share payable May 30, 2014, to shareowners of record on May 19, 2014.

Change in Independent Registered Public Accounting Firm

The Board of Trustees of the Trust, with the approval and recommendation of the Audit Committee, appointed Deloitte & Touche LLP to serve as the Trust's independent registered public accounting firm for the fiscal year ending April 30, 2015. Deloitte & Touche LLP replaces Ernst & Young LLP, which resigned as the Trust's independent registered public accounting firm, effective upon completion of the audit of the Trust's financial statements for the fiscal year ended April 30, 2014.

During the periods that Ernst & Young LLP served as the Trust's independent registered public accounting firm, including the Trust's two most recent fiscal years, Ernst & Young LLP's reports on the financial statements of the Trust have not contained an adverse opinion or disclaimer of opinion and have not been qualified or modified as to uncertainty, audit scope or accounting principles or practices, financial statement disclosure, or auditing scope or procedure, which, if not resolved to the satisfaction of Ernst & Young LLP would have caused Ernst & Young LLP to make reference to the subject matter of the disagreement in connection with its report on the financial statements. In addition, there have been no reportable events to the kind described in Item 304(a)(i)(v) of Regulation S-K under the Securities and Exchange Act of 1934.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 63

Report of Independent Registered Public Accounting Firm

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

We have audited the accompanying statement of assets and liabilities of Pioneer

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

Diversified High Income Trust (the "Trust"), including the schedule of investments, as of April 30, 2014, and the related statements of operations and cash flows for the year then ended, the statements of changes in net assets for each of the two years in the period then ended and the financial highlights for each of the five years in the period then ended. These financial statements and financial highlights are the responsibility of the Trust's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. We were not engaged to perform an audit of the Trust's internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Trust's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements and financial highlights, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of April 30, 2014, by correspondence with the custodian and brokers or by other appropriate auditing procedures where replies from brokers were not received. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of Pioneer Diversified High Income Trust at April 30, 2014, the results of its operations and cash flows for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended, in conformity with U.S. generally accepted accounting principles.

/s/ Ernst & Young LLP

Boston, Massachusetts
June 25, 2014

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

ADDITIONAL INFORMATION (unaudited)

During the year, there have been no material changes in the Trust's investment objective or fundamental policies that have not been approved by the share-owners. There have been no changes in the Trust's charter or By-Laws that would delay or prevent a change in control of the Trust which has 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)

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

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

59.47%*

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 65

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 2013 as the Trustees of the Trust agreed on, among other things, an overall approach and timeline for the process. In July 2013, 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 2013 and September 2013. 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, and November, 2013 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 regularly scheduled meetings.

At a meeting held on November 12, 2013, 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. 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 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 and its research process. The Trustees considered the resources of PIM and the personnel of PIM who provide investment

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

management services to the Trust. They also reviewed the amount of non-Trust assets managed by the portfolio managers of the Trust. The Trustees considered the non-investment resources and personnel of PIM involved in PIM's services to the Trust, including PIM's compliance and legal resources and personnel. The Trustees noted the substantial attention and high priority given by PIM's senior

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

management to the Pioneer 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 review the Trust's performance on a regular basis, based on analysis and data prepared by PIM for this purpose and discuss performance issues with PIM on an ongoing basis. For purposes of their contract renewal deliberations, the Trustees considered the performance results of the Trust over various time periods. They reviewed information comparing the Trust's performance with the performance of its peer group of funds as classified by Morningstar, Inc. (Morningstar), an independent provider of investment company data, and with the performance of the Trust's benchmark index. The Trustees considered that the Trust's annualized total return was in the second quintile of its Morningstar category for the one year period ended June 30, 2013, in the third quintile of its Morningstar category for the five year period ended June 30, 2013, and in the fourth quintile of its Morningstar category for the three year period ended June 30, 2013. The Trustees also considered that the Trust's yield (for the twelve months ended June 30, 2013) exceeded the yield of the Trust's benchmark index for the same period. The Trustees also reviewed data provided by PIM showing how leverage had benefited the Trust's common shareholders. The Trustees noted the discussions held throughout the year regarding the Trust's performance and confirmed that those discussions were factored into the Trustees' deliberations concerning the renewal of the advisory agreement. They indicated that they were satisfied with the discussions with PIM with respect to the Trust's performance.

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 67

Management Fee and Expenses

The Trustees considered information showing 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 (based on managed assets) for the twelve months ended June 30, 2013 was in the fourth quintile relative to the management fees paid by other funds in its Strategic Insight peer group for the comparable period. The Trustees also considered that the Trust's expense ratio (based on managed assets) for the twelve months ended June 30, 2013 was in the fifth quintile relative to its Strategic Insight peer group for the comparable period. The Trustees noted the investment management expertise and resources required to implement the Trust's complex investment strategy given the multiple asset classes in which the Trust invests. 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.

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

The Trustees reviewed management fees charged by PIM and PIM's affiliate, Pioneer Institutional Asset Management, Inc. (together with PIM, "Pioneer") to institutional and other clients, including publicly offered European funds sponsored by affiliates of Pioneer, unaffiliated U.S. registered investment companies (in a sub-advisory capacity), and unaffiliated foreign and domestic separate accounts. The Trustees also considered PIM's costs in providing services to the Trust and Pioneer's costs in providing services to the other clients and considered the differences in management fees and profit margins for Trust and non-Trust services. In evaluating the fees associated with Pioneer'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 also considered the different entrepreneurial risks associated with PIM's management of the Trust and Pioneer's management of the other client accounts. 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.

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

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.

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

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

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 69

Trustees, Officers and Service Providers

Investment Adviser
Pioneer Investment Management, Inc.

Custodian and Sub-Administrator
Brown Brothers Harriman & Co.

Independent Registered Public Accounting Firm
Ernst & Young LLP

Principal Underwriter
Pioneer Funds Distributor, Inc.

Legal Counsel
Bingham McCutchen LLP

Shareowner Services and Transfer Agent
Pioneer Investment Management Shareholder Services, Inc.

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

Trustees and Officers

The Trust's Trustees and officers are listed below, 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 serves as a Trustee of each of the 55 U.S. registered investment portfolios for which Pioneer serves as investment adviser (the "Pioneer Funds"). 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 Fund includes additional information about the Trustees and is available, without charge, upon request, by calling 1-800-225-6292.

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

Independent Trustees

Name, Age and	Term of Office and
---------------	--------------------

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

Position Held with the Trust	Length of Service	Principal Occupation
Thomas J. Perna (63) Chairman of the Board and Trustee	Class II Trustee since 2007. Term expires in 2015.	Private investor (2004-2008 and 2013-present); Chairman (2008 - 2013) and Chief Executive Officer (2008 - 2012), Quadriserv, Inc. (technology products for securities lending industry); and Senior Executive Vice President, The Bank of New York (financial and securities services) (1986 - 2004)
David R. Bock (70) Trustee	Class III Trustee since 2007. Term expires in 2016.	Managing Partner, Federal City Capital Advisors (corporate advisory services company) (1997 - 2004 and 2008 - present); Interim Chief Executive Officer, Oxford Analytica, Inc. (privately held research and consulting company) (2010); Executive Vice President and Chief Financial Officer, I-trax, Inc. (publicly traded health care services company) (2004 - 2007); and Executive Vice President and Chief Financial Officer, Pedestal Inc. (internet-based mortgage trading company) (2000 - 2002)
Benjamin M. Friedman (69) Trustee	Class I Trustee since 2008. Term expires in 2014.	William Joseph Maier Professor of Political Economy, Harvard University (1972 - present)

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 71

Independent Trustees (continued)

Name, Age and Position Held with the Trust	Term of Office and Length of Service	Principal Occupation
Margaret B.W. Graham (66) Trustee	Class I Trustee since 2007. Term expires in 2014.	Founding Director, Vice President and Corporate Secretary, The Winthrop Group, Inc. (consulting firm) (1982 - present); Desautels Faculty of Management, McGill University (1999 - present); and Manager of Research Operations and Organizational Learning, Xerox PARC, Xerox's advanced research center (1990-1994)
Marc O. Mayer (56)+ Trustee	Class I Trustee since 2014. Term expires in 2014.	Founding Partner and Chief Executive Officer, Alignment Financial Services

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

(investment management) (2013-present); Chief Executive Officer and Director, GMO LLC (investment management) (2009-2011); Executive Vice President, Alliance Bernstein LP (investment management) (2000-2009); and Executive Vice President and Director, Sanford C. Bernstein & Co., LLC (investment management) (1989-2000)

Marguerite A. Piret (65) Trustee	Class II Trustee since 2007. Term expires in 2015.	President and Chief Executive Officer, Newbury, Piret & Company, Inc. (investment banking firm) (1981 - present)
-------------------------------------	---	--

+ Mr. Mayer resigned as a Trustee of the Trust effective May 18, 2014.

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

Interested Trustees

Name, Age and Position Held with the Trust	Term of Office and Length of Service	Principal Occupation
Daniel K. Kingsbury (55)* Trustee, President, and Chief Executive Officer	Class III Trustee since 2013; Class I Trustee from 2007-2013. Term expires in 2016.	Chairman (2013 - present), Director, CEO and President of PIM-USA (since February 2007); Chairman (2013 - present), Director and President of Pioneer and Pioneer Institutional Asset Management, Inc. (since February 2007); Executive Vice President of all of the Pioneer Funds (2007 - 2013); Director of PGAM (2007 - 2010); Head of New Europe Division, PGAM (2000 - 2005); and Head of New Markets Division, PGAM (2005 - 2007)
Kenneth J. Taubes (55)* Trustee	Class II Trustee since 2014. Term expires in 2014.	Director and Executive Vice President (since 2008) and Chief Investment Officer, U.S. (since 2010), of PIM-USA; Executive Vice President of Pioneer (since 2008); Executive Vice President of Pioneer Institutional Asset Management, Inc. (since 2009); Portfolio Manager of Pioneer (since 1999)

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

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

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 73

Trust Officers

Name, Age and Position Held with the Trust	Term of Office and Length of Service	Principal Occupation
Mark D. Goodwin (49) Executive Vice President	Since 2014. Serves at the discretion of the Board.	Executive Vice President and Chief Operating Officer of Pioneer since 2005 and Executive Vice President of all the Pioneer funds since 2014
Christopher J. Kelley (49) Secretary and Chief Legal Officer	Since 2007. Serves at the discretion of the Board.	Vice President and Associate General Counsel of Pioneer since January 2008; Secretary and Chief Legal Officer of all of the Pioneer Funds since June 2010; Assistant Secretary of all of the Pioneer Funds from September 2003 to May 2010; and Vice President and Senior Counsel of Pioneer from July 2002 to December 2007
Carol B. Hannigan (53) Assistant Secretary	Since 2010. Serves at the discretion of the Board.	Fund Governance Director of Pioneer since December 2006 and Assistant Secretary of all the Pioneer Funds since June 2010; Manager - Fund Governance of Pioneer from December 2003 to November 2006; and Senior Paralegal of Pioneer from January 2000 to November 2003
Thomas Reyes (51) Assistant Secretary	Since 2010. Serves at the discretion of the Board.	Senior Counsel of Pioneer since May 2013 and Assistant Secretary of all the Pioneer Funds since June 2010; Counsel of Pioneer from June 2007 to May 2013
Mark E. Bradley (54) Treasurer and Chief Financial and Accounting Officer of the Fund	Since 2008. Serves at the discretion of the Board.	Vice President - Fund Treasury of Pioneer; Treasurer of all of the Pioneer Funds since March 2008; Deputy Treasurer of Pioneer from March 2004 to February 2008; and Assistant Treasurer of all of the Pioneer Funds from March 2004 to February 2008
Luis I. Presutti (48) Assistant Treasurer	Since 2007. Serves at the discretion of the Board.	Director - Fund Treasury of Pioneer; and Assistant Treasurer of all of the Pioneer Funds

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

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

Name, Age and Position Held with the Trust	Term of Office and Length of Service	Principal Occupation
Gary Sullivan (55) Assistant Treasurer	Since 2007. Serves at the discretion of the Board.	Fund Accounting Manager - Fund Treasury of Pioneer; and Assistant Treasurer of all of the Pioneer Funds
David F. Johnson (34) Assistant Treasurer	Since 2009. Serves at the discretion of the Board.	Fund Administration Manager - Fund Treasury of Pioneer since November 2008; Assistant Treasurer of all of the Pioneer Funds since January 2009; and Client Service Manager - Institutional Investor Services at State Street Bank from March 2003 to March 2007
Jean M. Bradley (61) Chief Compliance Officer	Since 2010. Serves at the discretion of the Board.	Chief Compliance Officer of Pioneer and of all the Pioneer Funds since March 2010; Director of Adviser and Portfolio Compliance at Pioneer since October 2005; and Senior Compliance Officer for Columbia Management Advisers, Inc. from October 2003 to October 2005
Kelly O'Donnell (43) Anti-Money Laundering Officer	Since 2007. Serves at the discretion of the Board.	Director - Transfer Agency Compliance of Pioneer and Anti-Money Laundering Officer of all the Pioneer funds since 2006

Pioneer Diversified High Income Trust | Annual Report | 4/30/14 75

This page for your notes.

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

How to Contact Pioneer

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

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

Account Information 1-800-710-0935

Or write to AST:

For	Write to
General inquiries, lost dividend checks, change of address, lost stock certificates, stock transfer	American Stock Transfer & Trust Operations Center 6201 15(th) Ave. Brooklyn, NY 11219

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

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 us.pioneerinvestments.com.

The Trust files a complete schedule 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 www.sec.gov. The filed form may also be viewed and copied at the Commission's Public Reference Room in Washington, DC. Information regarding the operations of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

[LOGO] PIONEER
Investments (R)

Pioneer Investment Management, Inc.
60 State Street
Boston, MA 02109
us.pioneerinvestments.com

Securities offered through Pioneer Funds Distributor, Inc.
60 State Street, Boston, MA 02109
Underwriter of Pioneer Mutual Funds, Member SIPC
(C) 2014 Pioneer Investments 21909-06-0614

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

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

regulations;

(4) The prompt internal reporting of violations of the code to an appropriate person or persons identified in the code; and

(5) Accountability for adherence to the code.

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

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

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

Not applicable.

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

Not applicable.

(f) The registrant must:

(1) File with the Commission, pursuant to Item 12(a)(1), 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 (see attachment);

(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

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

and explain the manner in which such request may be made.

See Item 10(2)

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

- (a) (1) Disclose that the registrant's board of trustees has determined that the registrant either:
- (i) Has at least one audit committee financial expert serving on its audit committee; or
 - (ii) Does not have an audit committee financial expert serving on its audit committee.

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

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

- (i) Accept directly or indirectly any consulting, advisory, or other compensatory fee from the issuer; or
- (ii) Be an "interested person" of the investment company as defined in Section 2(a)(19) of the Act (15 U.S.C. 80a-2(a)(19)).

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

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

Not applicable.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

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

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 \$42,076 in 2013 and \$38,581 in 2014.

(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.

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

There were no audit-related or other fees for 2013 and 2014.

(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.

Fees for tax compliance services, primarily for tax returns, totaled approximately \$8,290 and \$8,131 for 2013 and 2014, respectively.

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

There were no audit-related or other fees for 2013 and 2014.

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

PIONEER FUNDS

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

SECTION I - POLICY PURPOSE AND APPLICABILITY

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

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

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

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

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

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

SECTION II - POLICY

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

AUDIT COMMITTEE APPROVAL POLICY

AUDIT COMMITTEE REPORTING POLICY

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

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

o "One-time" pre-approval for the fund fiscal year within

o A summary of all such services and related fees

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

a specified dollar limit for all pre-approved specific service subcategories (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 Services not denoted as "pre-approved", or to add a specific service subcategory as "pre-approved"

SECTION III - POLICY DETAIL, CONTINUED

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

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

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

Audit Committee approval policy
below for details on obtaining
specific approvals)

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

SECTION III - POLICY DETAIL, CONTINUED

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

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

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

- 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"

SECTION III - POLICY DETAIL, CONTINUED

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

AUDIT COMMITTEE APPROVAL POLICY

- o These services are not to be performed with the exception of the(*) services that may be permitted if they would not be subject to audit procedures at the audit client (as defined in rule 2-01(f)(4)) level the firm providing the service.

AUDIT COMMITTEE REPORTING POLICY

- o A summary of all services and related fees reported at each regularly scheduled Audit Committee meeting will serve as continual confirmation that has not provided any restricted services.

GENERAL AUDIT COMMITTEE APPROVAL POLICY:

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

- o For all projects, the officers of the Funds and the Fund's auditors will each make an assessment to determine that any proposed projects will not impair independence.
- o Potential services will be classified into the four non-restricted service categories and the "Approval of Audit, Audit-Related, Tax and Other Services" Policy above will be applied. Any services outside the specific pre-approved service subcategories set forth above must be specifically approved by the Audit Committee.
- o At least quarterly, the Audit Committee shall review a report summarizing the services by service category, including fees, provided by the Audit firm as set forth in the above policy.

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

Non-Audit Services

Beginning with non-audit service contracts entered into on or after May 6, 2003, the effective date of the new SEC pre-approval rules, the Trust's audit committee is required to pre-approve services to affiliates defined by SEC rules to the 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, 2013 and 2014, 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 accountants 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 registrants accountant for services rendered to the registrant, and rendered to the registrants 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 2013 and \$8,131 in 2014.

(h) Disclose whether the registrants audit committee of the board of trustees has considered whether the provision of non-audit services that were rendered to the registrants 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.

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

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

N/A

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

N/A

ITEM 6. SCHEDULE OF INVESTMENTS.

File Schedule of Investments in securities of unaffiliated issuers as of the close of the reporting period as set forth in 210.1212 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

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

Overview

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

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

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

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

Proxy Coordinator

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

Referral Items

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

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

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

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

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

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

Record Keeping

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

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

4

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

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

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

Amendments

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

5

Proxy Voting Policies

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

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

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

dividend-related proposals.

- o Approval of minutes and other formalities.

6

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

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

Auditors

We normally vote for proposals to:

- 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

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

General Board Issues

Pioneer will vote for:

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

We will vote against:

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

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

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

incumbent or "dead " directors. These plans prevent a potential acquirer from disabling a poison pill by obtaining control of the board through a proxy vote).

- o Contested election of directors.
- o Prior to phase-in required by SEC, we would consider supporting election of a majority of independent directors in cases of poor performance.
- o Mandatory retirement policies.
- o Directors who have ignored a shareholder proposal that has been approved by shareholders for two consecutive years.

Takeover-Related Measures

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

Pioneer will vote for:

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

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

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

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

We will vote against:

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

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

- o Bond issuance.
- o Increases in "ordinary" preferred stock.
- o Proposals to have blank-check common stock placements (other than shares issued in the normal course of business) submitted for shareholder approval.
- o Cancellation of company treasury shares.

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

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

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

- o Various issues related to the Omnibus Budget and Reconciliation Act of 1993 (OBRA), including:
 - o Amendments to performance plans to conform with OBRA;
 - o Caps on annual grants or amendments of administrative features;
 - o Adding performance goals; and
 - o Cash or cash-and-stock bonus plans.
 - o Establish a process to link pay, including stock-option grants, to performance, leaving specifics of implementation to the company.
 - o Require that option repricings be submitted to shareholders.
 - o Require the expensing of stock-option awards.
 - o Require reporting of executive retirement benefits (deferred compensation, split-dollar life insurance, SERPs, and pension benefits).
 - o Employee stock purchase plans where the purchase price is equal to at least 85% of the market price, where the offering period is no greater than 27 months and where potential dilution (as defined below) is no greater than 10%.

12

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

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

vesting provisions for stock option plans such as those that vest incrementally over, at least, a three- or four-year period with a pro rata portion of the shares becoming exercisable on an annual basis following grant date.

- o We generally support proposals asking companies to disclose their window period policies for stock transactions. Window period policies ensure that employees do not exercise options based on insider information contemporaneous with quarterly earnings releases and other material corporate announcements.
- o We generally support proposals asking companies to adopt stock holding periods for their executives.
 - o All other employee stock purchase plans.
 - o All other compensation-related proposals, including deferred compensation plans, employment agreements, loan guarantee programs and retirement plans.
 - o All other proposals regarding stock compensation plans, including extending the life of a plan, changing vesting restrictions, repricing options, lengthening exercise periods or accelerating distribution of awards and pyramiding and cashless exercise programs.

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.

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

- o Adopting or amending the charter, bylaws or articles of association.
- o Shareholder appraisal rights, which allow shareholders to demand judicial review of an acquisition price.

We will vote against:

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

14

Mergers and Restructurings

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

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

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

- o Changes from closed-end to open-end format.
- o Authorization for, or increase in, preferred shares.
- o Disposition of assets, termination, liquidation, or mergers.
- o Classified boards of closed-end mutual funds, but will typically support such proposals.

15

Social Issues

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

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

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

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

16

ITEM 8. PORTFOLIO MANAGERS OF CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

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

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

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

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

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 registrant's equity securities that is registered by the registrant pursuant to Section 12 of the Exchange Act (15 U.S.C. 781).

ADDITIONAL INFORMATION ABOUT THE PORTFOLIO MANAGERS

OTHER ACCOUNTS MANAGED BY THE PORTFOLIO MANAGERS

The table below indicates, for the portfolio managers 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, 2014. 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 (000'S)	PERFO
Charles Melchreit	Other Registered Investment Companies	11	\$13,707,661	
			\$ 5,330,609	
	Other Pooled Investment Vehicles	4	\$ 2,162,236	
	Other Accounts	9		
Andrew Feltus	Other Registered Investment Companies	12	\$13,661,991	
			11,486,126	
	Other Pooled Investment Vehicles	7	2,461,217	
	Other Accounts	7		
Jonathan Sharkey	Other Registered Investment Companies	3	\$ 3,429,835	
	Other Pooled Investment Vehicles	0	\$ 0	
	Other Accounts	0	\$ 0	

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

POTENTIAL CONFLICTS OF INTEREST

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

0

has a financial incentive to favor one account over another. Pioneer has structured its compensation arrangements in a manner that is intended to limit such potential for conflicts of interest. See "Compensation of Portfolio Managers" below.

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

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

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

1

COMPENSATION OF PORTFOLIO MANAGERS

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

- o **QUANTITATIVE INVESTMENT PERFORMANCE.** The quantitative investment performance calculation is based on pre-tax investment performance of all of the accounts managed by the portfolio manager (which includes the fund and any other accounts managed by the portfolio manager) over a one-year period (20% weighting) and four-year period (80% weighting), measured for periods ending on December 31. The accounts, which include the fund, are ranked against a group of mutual funds with similar investment objectives and investment

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

focus (60%) and a broad-based securities market index measuring the performance of the same type of securities in which the accounts invest (40%), which, in the case of the fund, is the Merrill Lynch Global High Yield and Emerging Markets Index and the CSFB Leveraged Loan Index. As a result of these two benchmarks, the performance of the portfolio manager for compensation purposes is measured against the criteria that are relevant to the portfolio manager's competitive universe.

- o QUALITATIVE PERFORMANCE. The qualitative performance component with respect to all of the accounts managed by the portfolio manager includes objectives, such as effectiveness in the areas of teamwork, leadership, communications and marketing, that are mutually established and evaluated by each portfolio manager and management.
- o PIONEER RESULTS AND BUSINESS LINE RESULTS. Pioneer's financial performance, as well as the investment performance of its investment management group, affect a portfolio manager's actual bonus by a leverage factor of plus or minus (+/-) a predetermined percentage.

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 participate in other programs designed to reward and retain key contributors. Senior executives or other key employees are 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, 2014 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

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

- 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

3

- The significant investment strategies for Pioneer Diversified High Income Trust (a closed-end fund) and certain other similarly managed accounts with investment objectives of a high level of current income, with a potential for capital appreciation as a secondary objective. The fund invests in a unique blend of higher yielding asset classes, including global high yield bonds, leveraged bank loans and event-linked bonds (cat bonds).

Under normal market conditions, the fund invests at least 80% of its managed assets (net assets plus borrowings or other leverage for investment purposes) in diversified portfolio of below investment grade (high yield) debt securities, loans and preferred stocks. The fund allocates its investments principally among three sectors of the fixed income securities markets: (i) below investment grade debt securities and preferred stocks of U.S. and non-U.S. issuers, including governmental and corporate issuers in emerging markets ("global high yield debt securities"), (ii) floating rate loans and (iii) "event-linked" bonds, which sometimes are referred to as "insurance-linked" or "catastrophe" bonds.

PIM believes that this actively managed, diversified portfolio of asset classes - global high yield debt securities, floating rate loans and event-linked bonds - may provide investors with a range of potential benefits across various market cycles and under various market conditions. These benefits include, among others, the potential to provide investors with a relatively high level of current income without undue risk as a result of the low correlation among these asset classes, reduced volatility due to limited exposure to interest rate and duration risk, as well as a favorable risk return profile. Specifically, the floating rate feature of both floating rate loans and event-linked bonds serves to reduce sensitivity to changes in prevailing interest rates. In addition, the introduction of event-linked bonds to the diversified portfolio enhances these benefits by reducing volatility, while providing the potential for above average returns. Moreover, the fund's investments in event-linked bonds offer investors access to a unique asset class that otherwise may be unavailable to them.

The fund does not have a policy of maintaining a specific average credit quality or a targeted maturity range for its portfolio. The fund may invest any portion of its assets in securities and other instruments of non-U.S. issuers, including emerging market issuers, and may engage in certain strategic transactions.

PIM is responsible for managing the fund's overall investment program, including allocating the fund's investments among the different asset classes and managing the fund's investments in global high income debt securities and floating rate loans. PIM considers both broad economic and issuer specific factors in selecting a portfolio designed to achieve the fund's investment objectives. PIM selects individual securities based upon the terms of the securities (such as yields compared to U.S. Treasuries or comparable issues), liquidity and rating, sector and issuer diversification. PIM also employs due diligence and fundamental quantitative and qualitative research to assess an

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

issuer's credit quality, taking into account financial condition and profitability, future capital needs, potential for change in rating, industry outlook, the competitive environment and management ability. PIM may sell a portfolio security when it believes the security no longer will contribute to meeting the fund's investment objectives. PIM makes that determination based on the same criteria it uses to select portfolio securities. In making these portfolio decisions, PIM relies on the knowledge, experience and judgment of its staff and the staff of its affiliates who have access to a wide variety of research.

The fund may use financial leverage on an ongoing basis for investment purposes by borrowing from banks through a revolving credit facility. Leverage creates special risks not associated with unleveraged funds having a similar investment objectives and policies. These include the possibility of higher volatility of both the net asset value of the fund and the value of assets serving as asset coverage for the preferred shares.

4

ITEM 10. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS.

Describe any material changes to the procedures by which shareholders may recommend nominees to the registrant's board of directors, where those changes were implemented after the registrant last provided disclosure in response to the requirements of Item 407(c)(2)(iv) of Regulation S-R(17 CFR 229.407) (as required by Item 22(b)(15)) 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 407(c)(2)(iv) of Regulation S-R 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 and principal financial officers, or persons performing similar functions, regarding the effectiveness of the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Act (17 CFR 270.30a-3(c))) as of a date within 90 days of the filing date of the report that includes the disclosure required by this paragraph, based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the Act (17 CFR 270.30(a)-3(b) and Rules 13a-15(b) or 15d-15(b) under the Exchange Act (17 CFR 240.13a-15(b) or 240.15d-15(b)).

The registrant's principal executive officer and principal financial officer have concluded that the registrant's disclosure controls and procedures are effective based on the evaluation of these controls and procedures as of a date within 90 days of the filing date of this report.

(b) Disclose any change in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the Act (17CFR 270.30a-3(d))) that

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

occurred during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

There were no significant changes in the registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

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

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

ITEM 12. EXHIBITS.

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

(1) 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.

(2) A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the Act (17 CFR 270.30a-2(a)) , exactly as set forth below:

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.

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

(Registrant) Pioneer Diversified High Income Trust

By (Signature and Title)* /s/ Daniel K. Kingsbury
Daniel K. Kingsbury, President

Date June 27, 2014

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/ Daniel K. Kingsbury
Daniel K. Kingsbury, President

Date June 27, 2014

By (Signature and Title)* /s/ Mark Bradley
Mark Bradley, Treasurer & Chief Accounting & Financial Officer

Date June 27, 2014

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