

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Pioneer Floating Rate Trust
Form N-CSRS
July 28, 2017

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 811-21654

Pioneer Floating Rate 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: November 30

Date of reporting period: December 1, 2016 through May 31, 2017

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

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

ITEM 1. REPORTS TO STOCKHOLDERS.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Pioneer Floating
Rate Trust

Semiannual Report | May 31, 2017

Ticker Symbol: PHD

[LOGO] Amundi Pioneer
=====

ASSET MANAGEMENT

visit us: www.amundipioneer.com

Table of Contents

President's Letter	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
Approval of New and Interim Management Agreements	67
Trustees, Officers and Service Providers	75

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 1

President's Letter

U.S. markets have continued to generate positive returns during the first several months of 2017, with so-called "risk" assets, such as equities and credit-sensitive bonds, posting solid gains. U.S. equities, as measured by the Standard & Poor's 500 Index, returned slightly more than 6% in the first calendar quarter of the year and more than 3% for the second quarter. Meanwhile, high-yield securities have dominated bond market performance thus far in 2017.

The post-election market momentum we witnessed in the U.S. during the final weeks of the fourth quarter of 2016 slowed only when oil prices slumped in March, due to both higher-than-expected inventories and concerns over whether OPEC (Organization of Petroleum Exporting Countries) would continue its supply cuts. Not even the Federal Reserve System's (the Fed's) two rate hikes since March, nor Britain's trigger of Article 50 to begin the "Brexit" process caused

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

any dramatic sell-off of risk assets. In fact, we are encouraged by the more hawkish stance of the Fed with regard to interest rates, in light of our view that current U.S. bond yields do not fairly reflect the prospective levels of economic activity and inflation. We expect the Fed to continue to tighten monetary policy, with at least one more rate hike likely to occur before the end of 2017.

While U.S. gross domestic product (GDP) did slow in the first quarter, ending up at 1.4% after revisions, the expectation is for GDP growth to pick-up in the second quarter, with a solid consumer leading the way. It is our view that the U.S. economy may lead all developed nations in 2017, with GDP growth in excess of 2% for the full year, even if proposed tax and regulatory reforms are not passed into law in the near future. We also believe solid domestic employment figures should continue to support consumption and the housing market, and that stronger corporate profits and increased government spending may contribute to economic growth in 2018 and beyond. In addition, as we monitor global Purchasing Manager Indices (PMIs), we note that their numbers are increasing, which suggests that growth in global economies is also improving. (PMIs are used to measure the economic health of the manufacturing sector.)

There are, as always, some risks to our outlook. First, the market already has priced in a good deal of the Trump economic reform platform, and that could lead to near-term disappointment if Congressional follow-through does not happen this year. The future of the Affordable Care Act (ACA) is another potential concern, as Congressional leaders have, thus far, failed to generate

2 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

enough support to get new health care legislation approved by both houses. However, if a bill is eventually passed that either eliminates or significantly alters the ACA, the new law will undoubtedly have an effect on the health care sector, one of the largest segments of the U.S. economy. Geopolitical risks, of course, remain a potential headwind, given ongoing strife in the Middle East and renewed tensions on the Korean Peninsula.

While our current outlook is generally optimistic, conditions can and often do change, and while passive investment strategies may have a place in one's overall portfolio, it is our view that all investment decisions are active choices.

Throughout our history, we have believed in the importance of active management. The active decisions to invest in equities or fixed-income securities are made by a team of experienced investment professionals focusing on identifying value across global markets using proprietary research, careful risk management, and a long-term perspective. We believe our shareowners can benefit from the experience and tenure of our investment teams as well as the insights generated from our extensive research process.

As always, and particularly during times of market uncertainty, we encourage you to work with your financial advisor to develop an overall investment plan that addresses both your short- and long-term goals, and to implement such a plan in a disciplined manner.

We greatly appreciate the trust you have placed in us and look forward to continuing to serve you in the future.

Sincerely,

/s/ Lisa M. Jones

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Lisa M. Jones
Head of the Americas, President and CEO of US
Amundi Pioneer Asset Management USA, Inc.
May 31, 2017

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. Past performance is no guarantee of future results.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 3

Portfolio Management Discussion | 5/31/17

Important Note: On July 3, 2017, Amundi acquired Pioneer Investments, a group of asset management companies located throughout the world. Amundi, one of the world's largest asset managers, is headquartered in Paris, France. As a result of the transaction, Pioneer Investment Management, Inc., the Trust's investment adviser, became an indirect wholly owned subsidiary of Amundi and Amundi's wholly owned subsidiary, Amundi USA, Inc. Prior to July 3, 2017, Pioneer Investments was owned by Pioneer Global Asset Management S.p.A., a wholly owned subsidiary of UniCredit S.p.A.

In connection with the transaction, the names of the Trust's investment adviser and principal underwriter changed. Effective July 3, 2017, the name of Pioneer Investment Management, Inc., changed to Amundi Pioneer Asset Management, Inc., and the name of Pioneer Funds Distributor, Inc., changed to Amundi Pioneer Distributor, Inc.

This transaction does not impact your existing relationship with Pioneer Investments, your advisor, or the methods you use to communicate with us, as the investor contact telephone numbers and services you expect will remain the same. We are excited, however, to be launching a new website representing the combined company. Come visit us at: www.amundipioneer.com

After a late-year rally lifted the prices of most bank-loan investments in December 2016, prices settled into a more stable pattern for the remainder of the six-month period ended May 31, 2017. In the following interview, Jonathan Sharkey discusses the factors that affected the performance of Pioneer Floating Rate Trust during the six-month period. Mr. Sharkey, a senior vice president and a portfolio manager at Amundi Pioneer Asset Management, Inc. (Amundi Pioneer), is responsible for the day-to-day management of the Trust.

Q How did the Trust perform during the six-month period ended May 31, 2017?

A Pioneer Floating Rate Trust returned 3.48% at net asset value (NAV) and 4.30% at market price during the six-month period ended May 31, 2017, while the Trust's benchmark, the Standard & Poor's/Loan Syndications & Trading Association Leveraged Loan Index (the S&P/LSTA Index), returned 3.14%. Unlike the Trust, the S&P/LSTA Index does not use leverage. While the use of leverage increases investment opportunity, it also increases investment risk. During the same six-month period, the average return (at market price) of the 34 closed end funds in Lipper's Loan Participation Funds category (which may or may not be leveraged), was 7.22%, and the average return (at NAV) of the 38 closed end funds in the same Lipper category was 4.30%. For the 12-month period ended May 31, 2017, the Trust returned 8.19% at NAV and 13.43% at market price, while

4 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

the Trust's linked benchmark returned 7.65% and the S&P/LSTA Index returned 7.49%. (See footnote on Page 12 for information about the Trust's linked benchmark).

The shares of the Trust were selling at a 5.02% discount to net asset value on May 31, 2017. Comparatively, the shares of the Trust were selling at a 5.76% discount to net asset value on November 30, 2016, the end of the Trust's previous annual reporting period.

The Trust's standard, 30-day SEC yield was 4.34% on May 31, 2017*.

Q How would you describe the investment environment for bank loans during the six-month period ended May 31, 2017?

A The six-month period began in the midst of a rally triggered by the November 2016 U.S. elections. The victory of Republican Donald J. Trump in the 2016 presidential election and the successful effort of Republicans (GOP) to retain control of both houses of Congress sparked gains in the credit sectors, including bank loans. Mr. Trump had campaigned on an economic platform of lower taxes, reduced regulations, and increased infrastructure spending. If enacted, those policies had the potential to spur an acceleration in economic growth, and the markets reacted accordingly, as investors bid-up the prices of bank loans and other credit-sensitive investments as 2016 drew to a close. In the first five months of 2017, however, market conditions settled down and prices stabilized. As a consequence, the returns of floating-rate bank loans tended to be defined principally by the current yield, or income, distributed by the loans to investors.

Overall, the fundamentals of bank loans were solid during the six-month period. The U.S. economy continued to grow at a modest pace, while the job market continued to improve. In general, the credit-worthiness of loan-based investments strengthened in the expanding economy and loan default rates remained low. Investor demand for bank loans persisted, while the supply of new loans remained somewhat muted. With strong demand outstripping loan supply, prices appreciated, with 70% of existing loans trading above par (face) value. On the negative side, however, many existing bank loans were repriced into lower-yielding loans over the six-month period.

Q What factors affected the Trust's performance relative to the benchmark S&P/LSTA Index during the six-month period ended May 31, 2017?

A The Trust slightly outperformed the benchmark S&P/LSTA Leveraged Loan Index during the six-month period, with benchmark-relative performance aided by the use of leverage, or borrowed funds. The Trust's benchmark-relative performance was held back, however, by the portfolio's tilt in favor of higher-quality loans, as lower-quality loans rallied more

* 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.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 5

than higher-quality loans over the period. We maintained our preference for higher-quality loans in the Trust's portfolio because we continue to believe they can provide more reliable and consistent returns for risk-conscious investors over the longer term. On May 31, 2017, just 3.5% of the Trust's total investment portfolio was allocated to loans rated CCC or below. Meanwhile, the S&P/LSTA Leveraged Loan Index had a 6%

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

allocation in CCC-rated loans. Similarly, the Trust's portfolio was slightly underweight in second-lien loans as compared with the benchmark.

At the industry level, the Trust's exposure to health care loans helped benchmark-relative results during the period, as the portfolio was moderately overweight in that outperforming group. Good security selection within the Trust's allocation to information technology loans also supported benchmark-relative performance, despite the fact that the portfolio had a modest underweight to that outperforming sector. Conversely, the Trust's exposures to retailing and cosmetics, two weak-performing groups over the six-month period, detracted from absolute returns, even though the portfolio was heavily underweight in each of those sectors.

Q Which individual investments had notable effects, either positively or negatively, on the Trust's performance during the six-month period ended May 31, 2017?

A Individual portfolio holdings that contributed positively to the Trust's performance during the period included loans to Dixie Electric, Accudyne Industries, and Mill U.S. Acquisition. Dixie Electric provides electrical services to oil-field services operators and other industries, while Accudyne produces pumps, compressors, and other equipment for large scale industrial uses. Mill U.S. Acquisition, also known as CSM Bakery, supplies products to the baking industry. Other investments that helped the Trust's performance during the period included a position in loans to defense contractor IAP Worldwide, which went through a financial restructuring that resulted in the Trust's gaining a small equity position. Positions in two event-linked insurance bonds also supported the Trust's results, as did an investment in the high-yield bonds of Community Health, a rural hospital chain.

Portfolio investments that were less successful for the Trust during the period included loans to Cengage Learning, a textbook publisher that felt the effects of softening of demand throughout the industry; Concordia Healthcare, a diversified pharmaceutical company that saw a weakening of demand both in the United States and the United Kingdom; and Altisource, a processing service provider to financial companies that was affected by the problems of one major client.

6 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Q How did the level of leverage in the Trust change over the six-month period ended May 31, 2017?

A The Trust employs leverage through a revolving credit facility. (See Note 7 to the financial statements).

At the end of the six-month period on May 31, 2017, 31.6% of the Trust's total managed assets were financed by leverage (or borrowed funds), compared with 31.7% of the Trust's total managed assets financed by leverage at the start of the period on December 1, 2016. The absolute amount of funds borrowed by the Trust did not change during the period. The reduction in the percentage of leveraged funds was the result of appreciation in the values of the Trust's holdings.

Q Did the Trust invest in any derivative securities during the six-month period ended May 31, 2017? If so, did the investments have an effect on performance?

A Yes, during the period we took a small position in high-yield bond credit

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

default swaps as a way to deploy cash in the Trust's portfolio, at par value, while waiting for the loan new-issue calendar to resurge. The swaps also gave the Trust some exposure to high-yield bonds. The investment did not have a material impact on performance.

Q What factors affected the Trust's distributions to shareowners during the six-month period ended May 31, 2017?

A The Trust's distributions remained stable during the period. Shareowners should be aware, however, that several factors could affect future distributions. As older loans with higher yields are repriced at lower spreads, newer loans in the Trust's portfolio may pay less current income to the Trust. (Loan spreads are the interest rates over and above the London Interbank Offered Rate - or LIBOR rate - charged to borrowers by banks.)

Potentially offsetting these influences is the prospect that short-term interest rates will continue to increase due to tightening of monetary policy by the Federal Reserve System (the Fed), which has raised the Federal funds rate three times since December 2016. If there are more rate increases by the Fed over the next several months, the income paid by floating-rate loans may also start increasing, which could result in greater current income for the Trust, as rates could exceed the LIBOR floors in the portfolio.

Q What is your investment outlook?

A We have a positive outlook for bank-loan investments. While U.S. gross domestic product (GDP) registered a disappointing 1.4% growth rate during the first quarter of this year, we believe the U.S. economy should

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 7

continue to strengthen, with GDP growing at a 2% (or better) annual pace for 2017. We also expect to see persistently strong investor demand for bank loans as the Fed continues to tighten monetary policy by raising the Federal funds rate.

The past six months saw a wave of loan refinancings that we believe may signal a change in the dynamics of the loan market as well as in the types of gains that may be expected from loan investments. During the period, one-quarter of the loans S&P/LSTA Leveraged Loan Index were refinanced into new loans with lower spreads. The new loans, because of their lower interest rates, may prove less likely to appreciate in price. During 2016, half the returns from bank-loan investments came from price appreciation, with the other half coming from interest distributions. In the future, we believe a smaller percentage of bank-loan earnings may come from price appreciation, with interest income becoming the primary source of earnings.

We continue to believe that bank loans can create solid opportunities for income-oriented investors. At period end, the credit-quality of the loan asset class was good, with loan default rates remaining well below historical averages. We think overall default rates should remain relatively low, although we anticipate there may be some defaults in the retail sector as online sellers continue to take business from traditional "brick-and-mortar" retailers.

We continue to significantly overweight asset-intensive industries such as building materials and industrial equipment in the Trust's portfolio, while de-emphasizing loans to retailers and technology companies. Retailers continue to lose market share, while technology firms remain vulnerable to

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

fast-moving industry changes.

We believe our preference for holding higher-quality loans in asset-intensive industries positions the Trust well for the present environment, while rising short-term interest rates have the potential to increase the dividend** income generated by bank loans.

** Dividends are not guaranteed.

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

All investments are subject to risk, including the possible loss of principal. In the past several years, financial markets have experienced increased volatility, depressed valuations, decreased liquidity, and heightened uncertainty. These conditions may continue, recur, worsen, or spread.

8 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

The Trust may invest in derivative securities, which may include futures and options, for a variety of purposes, including: in an attempt to hedge against adverse changes in the marketplace of securities, interest rates or currency exchange rates; as a substitute for purchasing or selling securities; to attempt to increase the Trust's return as a non-hedging strategy that may be considered speculative; and to manage portfolio characteristics. Using derivatives can increase fund losses and reduce opportunities for gains when the market prices, interest rates or the derivative instruments themselves behave in a way not anticipated by the Trust. These types of instruments can increase price fluctuation.

The Trust is not limited in the percentage of its assets that may be invested in floating-rate senior loans and other securities which may be less liquid or illiquid. Illiquid securities may be difficult to sell at a price reflective of their value at 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 may be difficult to value, and investment of the Trust's assets in illiquid securities may restrict the Trust's ability to take advantage of market opportunities.

The Trust employs leverage through a revolving credit facility. Leverage creates significant risks, including the risk that the Trust's income or capital appreciation from investments purchased with the proceeds of leverage will not be sufficient to cover the cost of leverage, which may adversely affect the return for shareowners.

The Trust is required to maintain certain regulatory and other asset coverage requirements in connection with its use of leverage. In order to maintain required asset coverage levels, the Trust may be required to reduce the amount of leverage employed by the Trust, alter the composition of its investment portfolio or take other actions at what might be inopportune times in the market. Such actions could reduce the net earnings or returns to shareowners over time, which is likely to result in a decrease in the market value of the Trust's shares.

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.

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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

These risks may increase share price volatility.

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. Past performance is no guarantee of future results.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 9

Portfolio Summary | 5/31/17

Portfolio Diversification*

(As a percentage of total investment portfolio)

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

Senior Secured Floating Rate Loan Interests	87.5%
Corporate Bonds & Notes	4.2%
U.S. Government and Agency Obligations	3.4%
Repurchase Agreements	2.1%
Treasury Bills	1.1%
Exchange-Traded Funds	1.1%
Collateralized Loan Obligations	0.4%
Common Stocks	0.1%
Tax Exempt Obligation	0.1%

* Includes investments in Insurance Linked Securities totaling 1.3% of total investment portfolio.

10 Largest Holdings

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

1. U.S. Treasury Notes, 1.152%, 4/30/18	2.
2. Bright Horizons Family Solutions LLC (fka Bright Horizons Family Solutions, Inc.), Term B Loan, 3.295%, 11/7/23	0.
3. U.S. Treasury Notes, 1.234%, 1/31/18	0.
4. U.S. Treasury Notes, 1.13%, 10/31/17	0.
5. McGraw-Hill Global Education Holdings LLC, First Lien Term B Loan, 5.045%, 5/4/22	0.
6. American Airlines, Inc., 2017 Replacement Term Loan, 3.044%, 6/27/20	0.
7. Scientific Games International, Inc., Initial Term B-3 Loan, 5.062%, 10/1/21	0.
8. Jonah Energy LLC, Second Lien Initial Term Loan, 7.545%, 5/12/21	0.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

9. Altice US Finance I Corp., March 2017 Refinancing Term Loan, 3.283%, 7/28/25	0.
10. Nord Anglia Education Finance LLC, Initial Term Loan, 4.702%, 3/31/21	0.

** 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 Floating Rate Trust | Semiannual Report | 5/31/17

Prices and Distributions | 5/31/17

Market Value per Share^

	5/31/17	11/30/16
Market Value	\$11.92	\$11.78
(Discount)	(5.02)%	(5.76)%

Net Asset Value per Share^

	5/31/17	11/30/16
Net Asset Value	\$12.55	\$12.50

Distributions per Share: 12/1/16-5/31/17

	Net Investment Income	Short-Term Capital Gains	Long-Term Capital Gains
	\$0.37	\$--	\$--

Yields

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	5/31/17	11/30/16
30-day SEC Yield	4.34%	4.12%

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

^ 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. Net asset value and market value are published daily on the Trust's website at www.amundipioneer.com.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 11

Performance Update | 5/31/17

Investment Returns

The mountain chart on the right shows the change in market value, including reinvestment of dividends and distributions, of a \$10,000 investment made in shares of Pioneer Floating Rate Trust during the periods shown, compared with the value of the Bloomberg Barclays U.S. High Yield Loans Index, an unmanaged index which measures the performance of high-yield loans, and the S&P/LSTA Leveraged Loan Index. The Bloomberg Barclays U.S. High Yield Loans Index was the Trust's benchmark through September 30, 2016, when that index ceased to exist. The S&P/LSTA Leveraged Loan Index, which provides broad and comprehensive total return metrics of the U.S. universe of syndicated term loans, became the Trust's benchmark on October 1, 2016.

Average Annual Total Returns (As of May 31, 2017)

			Pioneer Floating Rate Trust Linked Bench- mark***	S&P/ LSTA Lever- aged Loan Index
Period	Net Asset Value (NAV)	Market Price		
10 Years	3.96%	3.20%	4.62%	4.51%
5 Years	6.34	5.17	4.91	4.73
1 Year	8.19	13.43	7.65	7.49

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

Value of \$10,000 Investment

Pioneer Floating Bloomberg Barclays U.S. S&P/LSTA Leveraged

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	Rate Trust	High Yield Loans Index+	Loan Index
5/07	\$10,000	\$10,000	\$10,000
5/08	\$ 8,237	\$ 9,803	\$ 9,754
5/09	\$ 5,557	\$ 9,002	\$ 8,875
5/10	\$ 8,671	\$10,946	\$11,029
5/11	\$10,856	\$11,970	\$12,053
5/12	\$10,648	\$12,221	\$12,336
5/13	\$12,267	\$13,295	\$13,409
5/14	\$11,810	\$13,839	\$13,994
5/15	\$11,827	\$14,298	\$14,391
5/16	\$12,077	\$14,467	\$14,462
5/17	\$13,699	\$14,904	\$15,546

Call 1-800-225-6292 or visit www.amundipioneer.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 shares of the Trust.

Shares of 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 bought and sold in the open market through a stock exchange and frequently trade at prices lower than their NAV. NAV per share is total assets less total liabilities, which include preferred shares, or borrowings, as applicable, divided by the number of 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 through open-market purchases under the Trust's dividend reinvestment plan.

The performance table and graph do not reflect the deduction of fees and taxes that a shareowner would pay on Trust distributions or the sale of Trust shares. Had these fees and taxes been reflected, performance would have been 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. You cannot invest directly in an index.

*** The Bloomberg Barclays U.S. High Yield Loans Index (the Bloomberg Barclays Index) was the Trust's benchmark from inception through 9/30/16, when the Bloomberg Barclays Index ceased. As of 10/1/16, the Trust's benchmark is the S&P/LSTA Leveraged Loan Index (the S&P/LSTA Index). Both the Bloomberg Barclays Index and the S&P/LSTA Index provide, or provided, broad and comprehensive total return metrics of the U.S. universe of syndicated term loans. Ten-year, five-year, and one-year "linked" benchmark returns shown above represent the combination of the Bloomberg Barclays Index's returns from 6/1/07 through 9/30/16, and the S&P/LSTA Index's returns from 10/1/16 through 5/31/17.

+ Value of \$10,000 investment figures for the Bloomberg Barclays U.S. High Yield Loans Index covers the period from May 2007 through September 30, 2016.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

12 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Schedule of Investments | 5/31/17 (unaudited)

Principal
Amount
USD (\$)

Principal Amount USD (\$)	Description	Value
	SENIOR SECURED FLOATING RATE LOAN INTERESTS -- 130.9% of Net Assets*(a)	
	AUTOMOBILES & COMPONENTS -- 5.5%	
	Auto Parts & Equipment -- 4.5%	
1,605,169	Allison Transmission, Inc., Term Loan B-3, 3.03%, 9/23/22	\$
1,540,000	American Axle & Manufacturing, Inc., Tranche B Term Loan, 3.28%, 4/6/24	
2,358,000	BBB Industries US Holdings, Inc., First Lien Initial Term Loan, 6.045%, 11/3/21	
1,100,809	Cooper-Standard Automotive, Inc., Additional Term B-1 Loan, 3.397%, 11/2/23	
1,489,607	Electrical Components International, Inc., Term Loan, 5.897%, 5/28/21	
1,667,768	Federal-Mogul Corp., Tranche C Term Loan, 4.75%, 4/15/21	
400,000	Horizon Global Corp., 2017 Replacement Term Loan, 5.545%, 6/30/21	
500,000	Innovative Xcessories & Services LLC, Term Loan, 5.75%, 11/29/22	
1,335,149	TI Group Automotive Systems LLC, Initial US Term Loan, 3.795%, 6/30/22	
2,028,079	Tower Automotive Holdings USA LLC, Initial Term Loan, 3.75%, 3/7/24	\$
	Automobile Manufacturers -- 0.7%	
363,636	CH Hold Corp. (aka Caliber Collision), First Lien Initial Term Loan, 4.045%, 2/1/24	\$
347,984	Inteva Products LLC, Term B Loan, 9.75%, 9/8/21	
841,500	Octavius Corp. (Winnebago Industries), Tranche B Term Loan, 5.572%, 11/8/23	
466,667	Visteon Corp., Initial Term Loan, 3.334%, 3/24/24	\$
	Tires & Rubber -- 0.3%	
1,000,000	Goodyear Tire & Rubber Co., Second Lien Term Loan, 3.0%, 4/30/19	\$
	Total Automobiles & Components	\$
	BANKS -- 0.1%	
	Thriffts & Mortgage Finance -- 0.1%	
446,500	Ocwen Loan Servicing LLC, Restatement Effective Date Term Loan, 6.0%, 12/7/20	\$
	Total Banks	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 13

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

Principal Amount USD (\$)	
	CAPITAL GOODS -- 14.9%
	Aerospace & Defense -- 5.3%
1,823,822	Accudyne Industries Borrower SCA/Accudyne Industries LLC, Refinancing Term Loan, 4.147%, 12/13/19
2,269,313 (b)	ADS Tactical, Inc., Term Loan, 8.545%, 12/31/22
1,726,856	Allion Science and Technology Corp., First Lien Term Loan, 5.545%, 8/19/21
1,339,606	DAE Aviation Holdings, Inc., Initial Term Loan, 4.79%, 7/7/22
1,361,777	DigitalGlobe, Inc., Term Loan, 3.795%, 1/15/24
1,318,365	DynCorp International, Inc., Term Loan B2, 7.75%, 7/7/20
533,560	Engility Corp. (fka TASC, Inc.), Term B2 Loan, 4.75%, 8/14/23
245,010	IAP Worldwide Services, Inc., First Lien Term Loan, 8.0%, 7/18/19
497,494	Transdigm, Inc., Tranche F Term Loan, 4.045%, 6/9/23
1,838,250	Turbocombustor Technology, Inc., Initial Term Loan, 5.647%, 12/2/20
1,475,068	Vencore, Inc. (fka SI Organization, Inc.), First Lien Initial Term Loan, 5.897%, 11/23/19
1,783,050	WP CPP Holdings LLC, First Lien Term B-3 Loan, 4.539%, 12/28/19
334,900	WP CPP Holdings LLC, Second Lien Term B-1 Loan, 8.922%, 4/30/21
<hr/>	
	Building Products -- 2.2%
1,153,350	Armstrong World Industries, Inc., Term Loan B, 3.836%, 3/31/23
1,709,293	Builders FirstSource, Inc., Refinancing Term Loan, 4.069%, 2/29/24
306,968	NCI Building Systems, Inc., Tranche B Term Loan, 4.0%, 6/24/22
1,312,649	Quikrete Holdings, Inc., First Lien Initial Loan, 3.795%, 11/15/23
1,680,075	Summit Materials LLC, Restatement Effective Date Term Loan, 3.795%, 7/18/22
750,000	Unifrax Holding Co., Initial Dollar Term Loan, 4.9%, 4/4/24

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

810,000 (c)	Construction Machinery & Heavy Trucks -- 1.9% Clark Equipment Co. (aka Doosan Bobcat, Inc.), Tranche B Term Loan, 5/18/24	\$
-------------	---	----

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

14 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

	Construction Machinery & Heavy Trucks -- (continued)	
1,750,000	Commercial Vehicle Group, Inc., Term Loan B, 7.158%, 3/30/23	\$
1,595,700	Navistar, Inc., Tranche B Term Loan, 5.0%, 8/7/20	
836,676	Terex Corp., US Term Loan, 3.54%, 1/31/24	
940,385	Welbilt, Inc. (fka Manitowoc Foodservice, Inc.), Term B Loan, 4.033%, 3/3/23	-

	Electrical Components & Equipment -- 1.3%	
1,956,081	Pelican Products, Inc., First Lien Term Loan, 5.397%, 4/10/20	\$
835,841	Southwire Company LLC, Initial Term Loan, 3.489%, 2/10/21	
1,333,178	WireCo WorldGroup, Inc., First Lien Initial Term Loan B, 6.702%, 9/29/23	-

	Industrial Conglomerates -- 2.2%	
897,424	AVSC Holding Corp., First Lien New Term Loan, 4.67%, 4/29/24	\$
374,063	Culligan NewCo, Ltd., First Lien Tranche B-1 Term Loan, 5.0%, 12/13/23	
1,268,999	DTI Holdco, Inc., Initial Term Loan, 6.421%, 10/2/23	
1,235,255	Filtration Group Corp., First Lien Term Loan, 4.295%, 11/23/20	
657,809	Gates Global LLC, Initial B-1 Dollar Term Loan, 4.408%, 4/1/24	
500,000 (c)	Hyster-Yale Materials Holding, Inc., Term Loan B, 5/22/23	
922,531 (c)	Milacron LLC, Term B Loan, 9/28/23	
848,250	ProAmpac PG Borrower LLC, First Lien Initial Term Loan, 5.098%, 11/20/23	-

	Industrial Machinery -- 1.8%	
188,575	Blount International, Inc., Initial Term Loan, 6.01%, 4/12/23	\$
485,955	Columbus McKinnon Corp., Initial Term Loan, 4.147%, 1/31/24	
1,156,843	Gardner Denver, Inc., Initial Dollar Term Loan, 4.568%, 7/30/20	

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

1,955,100	Mueller Water Products, Inc., Initial Term Loan, 3.279%, 11/25/21	-
1,723,361	NN, Inc., Tranche B Term Loan, 5.295%, 10/19/22	-

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 15

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

	Trading Companies & Distributors -- 0.2%	
466,990	WESCO Distribution, Inc., Tranche B-1 Loan, 3.778%, 12/12/19	\$
	Total Capital Goods	\$
	COMMERCIAL & PROFESSIONAL SERVICES -- 4.4%	
	Diversified Support Services -- 0.7%	
766,632	DH Publishing LP, Term B-5 Loan, 3.492%, 8/21/23	\$
458,933	KAR Auction Services, Inc., Term Loan B4, 3.313%, 3/11/21	-
884,805	Ryan LLC, Tranche B Term Loan, 6.795%, 8/7/20	\$
	Environmental & Facilities Services -- 2.1%	
892,237	Advanced Disposal Services, Inc. (fka ADS Waste Holdings, Inc.), Additional Term Loan, 3.7%, 11/10/23	\$
68,004	Granite Acquisition, Inc., First Lien Term B Loan, 5.147%, 12/17/21	-
549,013	Infiltrator Water Technologies LLC, Term B-1 Loan, 4.647%, 5/27/22	-
1,467,625	Safway Group Holding LLC, Initial Term Loan, 5.76%, 8/21/23	-
1,078,323	Waste Industries USA, Inc., Term B Loan, 3.795%, 2/27/20	-
574,806	Wastequip LLC, Term Loan, 5.545%, 8/9/19	-
1,733,093	WCA Waste Systems, Inc., Initial Term Loan, 3.749%, 8/11/23	\$
	Human Resource & Employment Services -- 0.2%	
524,584	On Assignment, Inc., Tranche B-2 Term Loan, 3.295%, 6/3/22	\$
	Office Services & Supplies -- 0.2%	
645,133	West Corp., Refinanced Term B-12 Loan, 3.281%, 6/17/23	\$
	Security & Alarm Services -- 1.2%	

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

931,126	Allied Universal Holdco LLC (fka USAGM Holdco LLC), First Lien Initial Term Loan, 4.79%, 7/28/22	\$
1,284,695 (c)	GW Honos Security Corp. (Garda World Security Corp.), Term Loan, 5/12/24	
1,606,388	Prime Security Services Borrower LLC, First Lien 2016-2 Refinancing Term B-1 Loan, 4.294%, 5/2/22	

Total Commercial & Professional Services

\$

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

16 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

	CONSUMER DURABLES & APPAREL -- 2.2%	
	Homefurnishing Retail -- 0.9%	
1,878,784	Serta Simmons Bedding LLC, First Lien Initial Term Loan, 4.538%, 11/8/23	\$
950,000	Serta Simmons Bedding LLC, Second Lien Initial Term Loan, 9.179%, 11/8/24	\$

	Housewares & Specialties -- 0.9%	
754,015	Prestige Brands, Inc., Term B-4 Loan, 3.795%, 1/26/24	\$
2,040,707	Reynolds Group Holdings, Inc., Incremental US Term Loan, 4.045%, 2/5/23	\$

	Leisure Products -- 0.4%	
1,000,000	Bass Pro Group LLC, Initial Term Loan, 6.147%, 12/15/23	\$
327,383	Bombardier Recreational Products, Inc., Term B Loan, 4.0%, 6/30/23	\$

Total Consumer Durables & Apparel

\$

	CONSUMER SERVICES -- 10.0%	
	Casinos & Gaming -- 1.5%	
600,000	CityCenter Holdings LLC, Term B Loan, 3.499%, 4/18/24	\$
750,000	Eldorado Resorts, Inc., Term Loan, 3.243%, 4/17/24	
2,764,689	Scientific Games International, Inc., Initial Term B-3 Loan, 5.062%, 10/1/21	
480,738	Station Casinos LLC, Term B Facility Loan, 3.5%, 6/8/23	\$

Education Services -- 3.6%

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

3,387,925	Bright Horizons Family Solutions LLC (fka Bright Horizons Family Solutions, Inc.), Term B Loan, 3.295%, 11/7/23	\$
1,827,207	Cengage Learning Acquisitions, Inc., 2016 Refinancing Term Loan, 5.25%, 6/7/23	
1,723,838	KUEHG Corp. (fka KC MergerSub, Inc.), Term B-2 Loan, 4.917%, 8/12/22	
1,684,301	Laureate Education, Inc., Series 2024 Term Loan, 5.545%, 4/26/24	
2,492,945	Nord Anglia Education Finance LLC, Initial Term Loan, 4.702%, 3/31/21	

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 17

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

	Hotels, Resorts & Cruise Lines -- 0.5%	
541,033	Hilton Worldwide Finance LLC, Series B-2 Term Loan, 3.024%, 10/25/23	\$
1,146,132	Sabre, Inc., 2017 Incremental Term Loan, 3.795%, 2/22/24	\$
<hr style="border-top: 1px dashed black;"/>		
	Leisure Facilities -- 1.6%	
850,000	Cedar Fair LP, US Term B Loan, 3.295%, 4/13/24	\$
1,822,083	Fitness International LLC, Term B Loan, 5.397%, 7/1/20	
858,037	Life Time Fitness, Inc., 2017 Refinancing Term Loan, 4.045%, 6/10/22	
1,286,450	Six Flags Theme Parks, Inc., Tranche B Term Loan, 3.291%, 6/30/22	\$
<hr style="border-top: 1px dashed black;"/>		
	Restaurants -- 1.6%	
1,494,396	1011778 BC Unlimited Liability Co. (New Red Finance, Inc.) (aka Burger King/Tim Hortons), Term B-3 Loan, 3.309%, 2/16/24	\$
1,322,932	Landry's, Inc. (fka Landry's Restaurants, Inc.), Term Loan B, 3.745%, 10/4/23	
250,000	NPC International, Inc., First Lien Initial Term Loan, 4.51%, 4/19/24	
1,950,000	Red Lobster Management LLC, First Lien Initial Term Loan, 6.295%, 7/28/21	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	Specialized Consumer Services -- 1.2%	
2,000,000	Contellis Holdings LLC, First Lien Term B Loan, 6.155%, 4/21/24	\$
1,396,750	Creative Artists Agency LLC, Refinancing Term Loan, 4.5%, 2/15/24	\$
377,906	Weight Watchers International, Inc., Initial Tranche B-2 Term Loan, 4.343%, 4/2/20	\$
	Total Consumer Services	\$
	DIVERSIFIED FINANCIALS -- 4.2%	
	Asset Management & Custody Banks -- 0.5%	
1,487,436	Vistra Group, Ltd., USD Term Loan, 4.794%, 10/26/22	\$
	Consumer Finance -- 0.4%	
1,358,021	Trans Union LLC, Term B-2 Loan, 3.545%, 4/9/23	\$
	Diversified Capital Markets -- 0.3%	
500,000	Freedom Mortgage Corp., Initial Term Loan, 6.862%, 2/23/22	\$

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

18 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal Amount USD (\$)		
	Diversified Capital Markets -- (continued)	
342,128	Outfront Media Capital LLC (Outfront Media Capital Corp.), Term Loan, 3.251%, 3/18/24	\$
	Investment Banking & Brokerage -- 0.7%	
1,176,692	Duff & Phelps Corp., Initial Term Loan, 4.897%, 4/23/20	\$
633,706	Guggenheim Partners Investment Management Holdings LLC, Term B Loan, 3.779%, 7/21/23	\$
500,000	LPL Holdings, Inc., Initial Term Loan, 3.765%, 3/11/24	\$
	Other Diversified Financial Services -- 1.4%	
1,083,375	AWAS Finance Luxembourg 2012 SA, Term Loan, 3.91%, 7/16/18	\$
324,373	Delos Finance S.a.r.l., Term Loan, 3.397%, 10/6/23	\$
746,290	Fly Funding II S.a.r.l., Term Loan, 3.29%, 2/9/23	\$
1,973,125	Livingston International, Inc., First Lien Initial Term B-1 Loan, 5.5%, 4/18/19	\$
300,000	Summit Midstream Partners Holdings LLC, Term Loan Credit Facility, 7.045%, 5/13/22	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	Specialized Finance -- 0.9%	
1,226,812	DBRS, Ltd., Initial Term Loan, 6.452%, 3/4/22	\$
1,500,000	MHVC Acquisition Corp., First Lien Initial Term Loan, 6.3%, 4/29/24	-
		\$
	Total Diversified Financials	\$
<hr/>		
	ENERGY -- 3.8%	
	Oil & Gas Drilling -- 1.1%	
1,000,000	Gavilan Resources LLC, Second Lien Initial Term Loan, 7.0%, 3/1/24	\$
2,600,000	Jonah Energy LLC, Second Lien Initial Term Loan, 7.545%, 5/12/21	-
		\$
<hr/>		
	Oil & Gas Equipment & Services -- 0.4%	
1,634,585	FR Dixie Acquisition Corp., Term Loan, 5.952%, 12/18/20	\$
<hr/>		
	Oil & Gas Exploration & Production -- 0.8%	
1,000,000	California Resources Corp., Term Loan, 11.375%, 12/31/21	\$
1,000,000	Chesapeake Energy Corp., Term Loan Class A, 8.686%, 8/23/21	-
250,000	MEG Energy Corp., Initial Term Loan, 4.601%, 12/31/23	-
		\$
<hr/>		

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 19

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal Amount		
USD (\$)		V
<hr/>		
	Oil & Gas Refining & Marketing -- 0.5%	
894,011	Pilot Travel Centers LLC, Initial Tranche B Term Loan, 3.045%, 5/25/23	\$
562,890	Western Refining, Inc., Term Loan 2013, 7.25%, 11/12/20	-
		\$
<hr/>		
	Oil & Gas Storage & Transportation -- 1.0%	
1,000,000	Energy Transfer Equity LP, Term Loan, 3.745%, 2/2/24	\$
2,100,961	Gulf Finance LLC, Tranche B Term Loan, 6.3%, 8/25/23	-
		\$
	Total Energy	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	FOOD & STAPLES RETAILING -- 1.8%	
	Food Distributors -- 1.2%	
894,505	CTI Foods Holding Co., LLC, First Lien Term Loan, 4.65%, 6/29/20	\$
1,000,000	CTI Foods Holding Co., LLC, Second Lien Term Loan, 8.4%, 6/28/21	\$
2,053,879	Mill US Acquisition, First Lien Term Loan, 5.15%, 7/3/20	\$
<hr/>		
	Food Retail -- 0.6%	
1,385,902	Albertson's LLC, 2016-1 Term B-6 Loan, 4.45%, 6/22/23	\$
488,794	Packers Holdings LLC, Term Loan, 4.805%, 12/2/21	\$
		\$
	Total Food & Staples Retailing	\$
<hr/>		
	FOOD, BEVERAGE & TOBACCO -- 4.2%	
	Packaged Foods & Meats -- 4.2%	
246,941	AdvancePierre Foods, Inc., Term Loan, 6.0%, 6/2/23	\$
1,641,750	Amplify Snack Brands, Inc., Term Loan, 6.5%, 9/2/23	\$
1,000,000	Del Monte Foods, Inc., Second Lien Initial Term Loan, 8.26%, 8/18/21	\$
1,236,551	Dole Food Co., Inc., Tranche B Term Loan, 4.116%, 4/6/24	\$
1,492,500	Give and Go Prepared Foods Corp., First Lien Term Loan, 6.647%, 7/29/23	\$
1,697,013	Hearthside Group Holdings LLC, 2017 Replacement Term Loan, 4.045%, 6/2/21	\$
990,000	JBS USA Lux SA (fka JBS USA LLC), Initial Term Loan, 3.495%, 10/30/22	\$
1,940,937	Pinnacle Foods Finance LLC, Initial Term Loan, 2.995%, 2/2/24	\$
1,500,000	Post Holdings, Inc., Series A Incremental Term Loan, 3.448%, 5/24/24	\$
1,462,500	Shearer's Foods LLC, First Lien Term Loan, 5.084%, 6/30/21	\$
		\$
	Total Food, Beverage & Tobacco	\$

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

20 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

	HEALTH CARE EQUIPMENT & SERVICES -- 13.9%	
	Health Care Equipment -- 0.4%	
1,250,000	Cidron Healthcare, Ltd. (aka ConvaTec, Inc.), Term B Loan, 3.545%, 10/25/23	\$
		\$
	Health Care Facilities -- 3.8%	

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

419,688	Acadia Healthcare Co., Inc., Tranche B-2 Term Loan, 3.745%, 2/16/23		
794,000	ATI Holdings Acquisition, Inc., First Lien Initial Term Loan, 5.65%, 5/10/23		
253,548	CHS/Community Health Systems, Inc., Incremental 2019 Term G Loan, 3.75%, 12/31/19		
966,524	CHS/Community Health Systems, Inc., Incremental 2021 Term H Loan, 4.0%, 1/27/21		
1,391,252	Iasis Healthcare LLC, Term B-3 Loan, 5.25%, 2/17/21		
1,972,993	Kindred Healthcare, Inc., Incremental Term Loan, 4.688%, 4/9/21		
1,985,000	Prospect Medical Holdings, Inc., Term Loan, 7.063%, 6/30/22		
1,047,602	Quorum Health Corp., Term Loan, 7.795%, 4/29/22		
1,410,652	Select Medical Corp., Tranche B Term Loan, 4.65%, 3/6/24		
1,319,779	Vizient, Inc., Term B-3 Loan, 4.545%, 2/13/23		

	Health Care Services -- 6.6%		
972,500	Aegis Toxicology Sciences Corp., First Lien Initial Term Loan, 5.657%, 2/24/21		
1,101,457	Alliance Healthcare Services, Inc., Initial Term Loan, 4.267%, 6/3/19		
263,611	Ardent Legacy Acquisitions, Inc. (Ardent Mergeco LLC), Term Loan, 6.647%, 8/4/21		
591,979 (d)	Bioscrip, Inc., Initial Term B Loan, 9.25% (2.75% PIK 6.5% cash), 7/31/20		
355,187 (d)	Bioscrip, Inc., Term Loan, 9.25% (2.75% PIK 6.5% cash), 7/31/20		
1,452,682 (d)	CCS Medical, Inc., Second Lien Term Loan, 17.0% (13.0% PIK 4.0% cash), 5/1/18		
864,537	DaVita HealthCare Partners, Inc., Term Loan B2, 3.795%, 6/24/21		
1,622,152	Envision Healthcare Corp. (fka Emergency Medical Services Corp.), Initial Term Loan, 4.15%, 12/1/23		
895,506	ExamWorks Group, Inc. (fka Gold Merger Co., Inc.), Term B-1 Loan, 4.294%, 7/27/23		
1,458,750	Genex Holdings, Inc., First Lien Term B Loan, 5.295%, 5/28/21		
1,293,500	Genoa Healthcare Co., LLC, First Lien Initial Term Loan, 4.897%, 10/30/23		

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 21

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

	Health Care Services -- (continued)		
100,000	Genoa Healthcare Co., LLC, Second Lien Initial Term		

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	Loan, 9.147%, 10/28/24	\$
735,088	Global Healthcare Exchange LLC, Initial Term Loan, 5.295%, 8/15/22	
1,479,968	HC Group Holdings III, Inc., First Lien Initial Term Loan, 6.045%, 4/7/22	
897,750	Inventiv Group Holdings, Inc., Initial Term Loan, 4.952%, 11/9/23	
1,110,443	Jaguar Holding Co. I (aka Pharmaceutical Product Development, Inc.), Term Loan, 3.794%, 8/18/22	
491,460	MPH Acquisition Holdings LLC, Initial Term Loan, 4.897%, 6/7/23	
1,234,325	National Mentor Holdings, Inc., Tranche B Term Loan, 4.147%, 1/31/21	
349,333	National Surgical Hospitals, Inc., Term Loan, 4.545%, 6/1/22	
1,315,561	nThrive, Inc. (fka Precyse Acquisition Corp.), Additional Term B-2 Loan, 5.545%, 10/20/22	
930,677	NVA Holdings, Inc., First Lien Term B-2 Loan, 4.647%, 8/14/21	
500,000	Team Health Holdings, Inc., Initial Term Loan, 3.795%, 2/6/24	
1,774,423	US Renal Care, Inc., First Lien Initial Term Loan, 5.397%, 12/30/22	

	Health Care Supplies -- 1.7%	
1,135,511	Alere, Inc., Term Loan B, 4.3%, 6/20/22	\$
1,229,206	Greatbatch, Ltd., New Term B Loan, 4.51%, 10/27/22	
559,300	Halyard Health, Inc., Term Loan, 3.795%, 11/1/21	
675,000	Kinetic Concepts, Inc., Dollar Term Loan, 4.397%, 2/2/24	
1,817,375	Sterigenics-Nordion Holdings LLC, Incremental Term Loan, 4.15%, 5/15/22	

	Health Care Technology -- 1.2%	
1,586,158	Change Healthcare Holdings, Inc. (fka Emdeon, Inc.), Closing Date Term Loan, 3/1/24	\$
1,125,775 (b)	Medical Card System, Inc., Term Loan, 1.5%, 5/31/19	
712,219	MJ Acquisition Corp., Term Loan, 4.061%, 6/1/22	
648,375	Press Ganey Holdings, Inc., Initial Term Loan, 4.295%, 10/23/23	

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

22 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

Managed Health Care -- 0.2%

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

349,456 (e)	MMM Holdings, Inc., MMM Term Loan, 10.25%, 6/30/19	\$
254,053 (e)	MSO of Puerto Rico, Inc., Term Loan, 10.25%, 6/30/19	\$

Total Health Care Equipment & Services		

HOUSEHOLD & PERSONAL PRODUCTS -- 2.4%		
Household Products -- 1.3%		
945,000	Redbox Automated Retail LLC, First Lien Term B Loan, 8.545%, 9/27/21	\$
965,802	Spectrum Brands, Inc., 2017 Refinanced USD Term Loan, 3.174%, 6/23/22	\$
73,211	Wash Multifamily Parent, Inc., First Lien Initial Canadian Term Loan, 4.295%, 5/16/22	\$
418,038	Wash Multifamily Parent, Inc., First Lien Initial US Term Loan, 4.25%, 5/16/22	\$
1,500,000	WKI Holding Co., Inc., Initial Term Loan, 5.17%, 5/1/24	\$

Personal Products -- 1.1%		
498,727	Atrium Innovations, Inc., First Lien Initial Tranche B-1 Term Loan, 4.647%, 2/15/21	\$
1,484,326	Nature's Bounty Co. (aka NBTY, Inc.), Dollar Term B-1 Loan, 4.647%, 5/5/23	\$
1,539,437	Revlon Consumer Products Corp., Initial Term Loan B, 4.544%, 9/7/23	\$

Total Household & Personal Products		

INSURANCE -- 2.7%		
Insurance Brokers -- 0.3%		
977,561	NFP Corp., Term B Loan, 4.647%, 1/8/24	\$

Life & Health Insurance -- 0.5%		
1,629,845	Integro, Ltd., Initial Term Loan, 6.75%, 10/31/22	\$

Multi-Line Insurance -- 0.2%		
657,493	Alliant Holdings I LLC, Term Loan B, 4.417%, 8/12/22	\$

Property & Casualty Insurance -- 1.7%		
850,000	Acrisure LLC, First Lien Term B Loan, 6.147%, 11/22/23	\$
500,000	Confie Seguros Holding II Co., Second Lien Term Loan, 11.0%, 5/8/19	\$

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 23

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

2,397,372	Property & Casualty Insurance -- (continued) Confie Seguros Holding II Co., Term B Loan, 6.545%, 4/19/22	\$
1,400,000 (c)	USI, Inc. (fka Compass Investors, Inc.), Initial Term Loan, 5/16/24	\$
Total Insurance		\$

MATERIALS -- 15.4%		
Commodity Chemicals -- 0.4%		
1,340,571	Tronox Pigments (Netherlands) BV, Closing Date Term Loan, 4.647%, 3/19/20	\$

Construction Materials -- 1.6%		
1,003,688	84 Lumber Co., Initial Term Loan, 6.779%, 10/25/23	\$
1,244,997	American Bath Group LLC, First Lien Replacement Term Loan, 6.397%, 9/30/23	\$
500,000	American Builders & Contractors Supply Co., Inc., Additional Term B-1 Loan, 3.545%, 10/31/23	\$
500,000	Associated Asphalt Partners LLC, Tranche B Term Loan, 6.295%, 4/5/24	\$
230,169	CeramTec Service GmbH (CeramTec Acquisition Corp.), Dollar Term B-3 Loan, 3.952%, 8/30/20	\$
756,393	CeramTec Service GmbH (CeramTec Acquisition Corp.), Initial Dollar Term B-1 Loan, 3.952%, 8/30/20	\$
91,012	CeramTec Service GmbH (CeramTec Acquisition Corp.), Initial Dollar Term B-2 Loan, 3.952%, 8/30/20	\$
585,000	Penn Engineering & Manufacturing Corp., Incremental Tranche B Term Loan, 4.033%, 8/27/21	\$

Diversified Chemicals -- 3.7%		
823,723	Allnex (Luxembourg) & Cy SCA (fka AI Chem & Cy SCA), Tranche B-2 Term Loan, 4.406%, 9/13/23	\$
620,584	Allnex (Luxembourg) & Cy SCA (fka AI Chem & Cy SCA), Tranche B-3 Term Loan, 4.406%, 9/13/23	\$
1,266,246	Axalta Coating Systems Dutch Holding B BV & Axalta Coating Systems US Holdings, Inc., Term B-1 Dollar Loan, 3.647%, 2/1/23	\$
1,266,246 (c)	Axalta Coating Systems Dutch Holding B BV, Incremental Term Loan, 6/21/24	\$
1,220,846	Azelis Finance SA (Azelis US Holdings, Inc.), First Lien Dollar Term Loan, 5.397%, 12/16/22	\$
1,687,271	Nexeo Solutions LLC, Term B Loan, 4.871%, 6/9/23	\$

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

24 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	Diversified Chemicals -- (continued)	
569,112	Orion Engineered Carbons GmbH (OEC Finance US LLC), Initial Dollar Term Loan, 3.65%, 7/25/21	\$
609,878	Plaskolite LLC, First Lien Term Loan, 5.147%, 11/3/22	
179,310	Royal Holdings, Inc., Second Lien Initial Term Loan, 8.647%, 6/19/23	
1,485,698	Tata Chemicals North America, Term Loan, 3.938%, 8/7/20	
1,807,532	Univar USA, Inc., Term B-2 Loan, 3.795%, 7/1/22	-

	Diversified Metals & Mining -- 1.4%	
1,741,250	Global Brass and Copper, Inc., Initial Term Loan, 5.313%, 7/18/23	\$
970,000	Hi-Crush Partners LP, Advance, 4.897%, 4/28/21	
500,000	Oxbow Carbon LLC (Oxbow Calcining LLC), Tranche B Term Loan, 4.545%, 1/17/20	
990,413	US Silica Co., Term Loan, 4.188%, 7/23/20	-

	Fertilizers & Agricultural Chemicals -- 0.6%	
1,719,375	Methanol Holdings (Trinidad), Ltd. (Methanol Holdings (Delaware) LLC), Initial Term Loan, 4.545%, 6/30/22	\$

	Forest Products -- 0.3%	
1,019,875	Expera Specialty Solutions LLC, Term Loan B, 5.795%, 11/3/23	\$

	Metal & Glass Containers -- 2.3%	
1,250,000	Albea Beauty Holdings SA, Facility B, 4.756%, 4/22/24	\$
1,065,396	Berry Global Group, Inc. (fka Berry Plastics Corp.), Term I Loan, 3.281%, 10/1/22	
959,006	BWay Holding Co., Initial Term Loan, 4.245%, 4/3/24	
166,235	Kleopatra Holdings 2 SCA, Initial German Borrower Dollar Term Loan, 4.397%, 4/28/20	
388,991	Kleopatra Holdings 2 SCA, Initial US Dollar Term Loan, 4.397%, 4/28/20	
1,359,335	Tank Holding Corp., Initial Term Loan, 5.25%, 3/16/22	
1,915,875	Tekni-Plex, Inc., USD Term Loan, 4.545%, 6/1/22	-

	Paper Packaging -- 0.9%	
1,530,839	Caraustar Industries, Inc., Refinancing Term Loan, 6.647%, 3/14/22	\$
1,165,500	Onex Wizard Acquisition Co. I S.a.r.l. (aka SIG Combibloc Group), Term Loan, 4.045%, 3/11/22	-

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 25

Schedule of Investments | 5/31/17 (unaudited) (continued)

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Principal
Amount
USD (\$)

	Paper Products -- 0.8%	
781,934	Appvion, Inc., Term Commitment, 7.75%, 6/28/19	\$
944,017	Exopack Holdings SA, USD Term Loan, 4.647%, 5/8/19	
311,111	Ranpak Corp., Second Lien Initial Term Loan, 8.25%, 10/3/22	
570,495	Ranpak Corp., Tranche B-1 USD Term Loan, 4.295%, 10/1/21	
<hr/>		
	Specialty Chemicals -- 1.8%	
1,465,677	Ferro Corp., US Dollar Term Loan, 3.536%, 2/14/24	\$
39,910	Huntsman International LLC, 2015 Extended Term B Dollar Loan, 4.045%, 4/19/19	
1,175,739	MacDermid, Inc. (Platform Specialty Products Corp.), Tranche B-6 Term Loan, 4.045%, 6/7/23	
1,588,000	Omnova Solutions, Inc., Term B-2 Loan, 5.295%, 8/25/23	
1,355,355	PQ Corp., First Amendment Tranche B-1 Term Loan, 5.295%, 11/4/22	
<hr/>		
	Steel -- 1.6%	
1,975,283	Atkore International, Inc., First Lien Initial Incremental Term Loan, 4.15%, 12/22/23	\$
894,775	TMS International Corp., Term B Loan, 4.672%, 10/16/20	
1,963,703	Zekelman Industries, Inc. (fka JMC Steel Group, Inc.), Term Loan, 4.656%, 6/14/21	
<hr/>		
	Total Materials	\$
<hr/>		
	MEDIA -- 11.3%	
	Advertising -- 1.0%	
1,194,000	CB Poly Investments LLC, First Lien Closing Date Term Loan, 6.295%, 8/16/23	\$
611,200	Checkout Holding Corp., First Lien Term B Loan, 4.545%, 4/9/21	
1,962,875	Crossmark Holdings, Inc., First Lien Term Loan, 4.647%, 12/20/19	
<hr/>		

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

26 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Principal
Amount
USD (\$)

	Broadcasting -- 4.2%	
764,106	A-L Parent LLC (aka Learfield Communications), First Lien Initial Term Loan, 4.3%, 12/1/23	\$
1,054,245	Beasley Mezzanine Holdings LLC, Initial Term Loan, 7.0%, 11/1/23	
195,000 (c)	CBS Radio, Inc., Term B-1 Loan, 10/17/23	
500,000	CSC Holdings LLC (fka CSC Holdings, Inc. (Cablevision)), March 2017 Refinancing Term Loan, 3.249%, 7/17/25	
377,943	Entercom Radio LLC, Term B Loan, 4.55%, 11/1/23	
531,420	Gray Television, Inc., Term B-2 Loan, 3.495%, 2/7/24	
727,153	Hubbard Radio LLC, Term Loan, 4.3%, 5/27/22	
1,848,000	MCC Iowa LLC, Tranche H Term Loan, 3.45%, 1/29/21	
2,632,500	MediArena Acquisition BV (fka AP NMT Acquisition BV), First Lien Dollar Term B Loan, 6.898%, 8/13/21	
1,982,630	Sinclair Television Group, Inc., Tranche B Term Loan, 3.3%, 1/3/24	
488,842	Townsquare Media, Inc., Additional Term B Loan, 4.045%, 4/1/22	
2,116,710	Univision Communications, Inc., 2017 Replacement Repriced First Lien Term Loan, 3.795%, 3/15/24	

	Cable & Satellite -- 1.8%	
350,000	Cable One, Inc., Incremental Term B-1 Loan, 3.43%, 5/1/24	\$
1,968,313	Charter Communications Operating LLC (aka CCO Safari LLC), Term F-1 Loan, 3.05%, 1/3/21	
425,000	Telenet Financing USD LLC, Term Loan AI Facility, 3.739%, 6/30/25	
1,075,000	UPC Financing Partnership , Facility AP, 3.739%, 4/15/25	
1,117,713	Virgin Media Bristol LLC, Facility I, 3.739%, 1/31/25	
721,375	WideOpenWest Finance LLC, New Term B Loan, 4.701%, 8/18/23	

	Movies & Entertainment -- 2.2%	
1,140,540	AMC Entertainment, Inc., Initial Term Loan, 3.249%, 12/15/22	\$
1,233,102	CDS US Intermediate Holdings, Inc. (Cirque Du Soleil Canada, Inc.), First Lien Initial Term Loan, 5.147%, 7/8/22	
1,000,000	CDS US Intermediate Holdings, Inc. (Cirque Du Soleil Canada, Inc.), Second Lien Initial Term Loan, 9.397%, 7/10/23	

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 27

Schedule of Investments | 5/31/17 (unaudited) (continued)

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Principal
Amount
USD (\$)

Principal Amount USD (\$)	Description	Value
	Movies & Entertainment -- (continued)	
411,765	Kasima LLC, Term Loan, 3.65%, 5/17/21	\$
476,818	Live Nation Entertainment, Inc., Term B-2 Loan, 3.563%, 10/31/23	\$
1,058,750	Seminole Hard Rock Entertainment, Inc., Term Loan, 3.897%, 5/14/20	\$
1,275,132	WMG Acquisition Corp., Tranche D Term Loan, 3.51%, 11/1/23	\$
<hr/>		
	Publishing -- 2.1%	
861,424	Houghton Mifflin Holdings, Inc., Term Loan, 4.044%, 5/28/21	\$
89,656	Lee Enterprises, Inc., First Lien Term Loan, 7.295%, 3/31/19	\$
2,977,500	McGraw-Hill Global Education Holdings LLC, First Lien Term B Loan, 5.045%, 5/4/22	\$
746,720	Quincy Newspapers, Inc., Term Loan B, 7.0%, 11/2/22	\$
1,244,224	Springer SBM Two GmbH, Initial Term B9 Loan, 4.622%, 8/14/20	\$
600,000	Trader Corp., First Lien 2017 Refinancing Term Loan, 4.29%, 9/28/23	\$
<hr/>		
	Total Media	\$
<hr/>		
	PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES -- 3.1%	
	Biotechnology -- 0.4%	
900,154	Alkermes, Inc., 2021 Term Loan, 3.75%, 9/25/21	\$
450,000	Lantheus Medical Imaging, Inc., Initial Term Loan, 5.545%, 6/30/22	\$
<hr/>		
	Life Sciences Tools & Services -- 0.8%	
1,970,000	Albany Molecular Research, Inc., Term Loan B, 5.906%, 7/16/21	\$
433,308	Catalent Pharma Solutions, Inc. (fka Cardinal Health 409, Inc.), Dollar Term Loan, 3.795%, 5/20/21	\$
<hr/>		

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

28 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Principal
Amount
USD (\$)

		V
<hr style="border-top: 1px dashed black;"/>		
	Pharmaceuticals -- 1.9%	
435,434	Concordia Healthcare Corp., Initial Dollar Term Loan, 5.279%, 10/21/21	\$
1,610,000	Endo Luxembourg Finance Company I S.a.r.l., Initial Term Loan, 5.313%, 4/29/24	
900,000	Horizon Pharma, Inc., Term Loan B, 4.75%, 3/22/24	
609,794	Mallinckrodt International Finance SA, 2017 Term B Loan, 3.897%, 9/24/24	
1,045,438	Patheon Holdings I BV (fka DPX Holdings BV), Tranche B Dollar Term Loan, 4.406%, 4/22/24	
1,188,691	Valeant Pharmaceuticals International, Inc., Series F Tranche B Term Loan, 5.75%, 4/1/22	
	Total Pharmaceuticals, Biotechnology & Life Sciences	\$
<hr style="border-top: 1px dashed black;"/>		
	REAL ESTATE -- 2.7%	
	Diversified REIT -- 0.2%	
447,753	ESH Hospitality, Inc., Repriced Term Loan, 3.545%, 8/30/23	\$
<hr style="border-top: 1px dashed black;"/>		
	Hotel & Resort REIT -- 0.4%	
1,351,350	MGM Growth Properties Operating Partnership LP, Term B Loan, 3.295%, 4/25/23	\$
<hr style="border-top: 1px dashed black;"/>		
	Real Estate Services -- 0.8%	
1,464,493	Altisource Solutions S.a.r.l, Term Loan B, 4.5%, 12/9/20	\$
1,178,359	GCA Services Group, Inc., Term Loan, 5.75%, 3/1/23	\$
<hr style="border-top: 1px dashed black;"/>		
	Retail REITs -- 0.7%	
1,992,458	DTZ US Borrower LLC, First Lien Initial Term Loan, 4.25%, 11/4/21	\$
85,106	DTZ US Borrower LLC, Second Lien Initial Term Loan, 9.422%, 11/4/22	\$
<hr style="border-top: 1px dashed black;"/>		
	Specialized REIT -- 0.6%	
1,965,137	Communications Sales & Leasing, Inc. (CSL Capital LLC), Shortfall Term Loan, 4.045%, 10/24/22	\$
	Total Real Estate	\$
<hr style="border-top: 1px dashed black;"/>		

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 29

Schedule of Investments | 5/31/17 (unaudited) (continued)

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Principal Amount USD (\$)			
	RETAILING -- 2.5%		
	Apparel Retail -- 0.5%		
518,433	Hudson's Bay Co., Term Loan B, 4.294%, 9/30/22		\$
1,216,820	Men's Wearhouse, Inc., Term Loan B, 4.576%, 6/18/21		\$
	Automotive Retail -- 0.5%		
1,103,565	CWGS Group LLC, Term Loan, 4.743%, 11/8/23		\$
561,712	Hertz Corp., Tranche Term B-1 Loan, 3.8%, 6/30/23		\$
	Department Stores -- 0.2%		
500,000	J.C. Penney Corp., Inc., Term Loan, 5.45%, 6/23/23		\$
	Home Improvement Retail -- 0.4%		
1,418,497	Apex Tool Group LLC, Term Loan, 4.5%, 1/31/20		\$
	Specialty Stores -- 0.9%		
728,596	Party City Holdings, Inc., 2016 Replacement Term Loan, 3.75%, 8/19/22		\$
2,059,492	PetSmart, Inc., Tranche B-2 Loan, 4.01%, 3/11/22		\$
	Total Retailing		\$
	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 1.4%		
	Semiconductor Equipment -- 0.3%		
697,168	Entegris, Inc., New Tranche B Term Loan, 3.295%, 4/30/21		\$
350,000 (c)	MKS Instruments, Inc., Tranche B-2 Term Loan, 5/1/23		\$
	Semiconductors -- 1.1%		
500,000 (c)	Lumileds Holding BV, Term Loan B, 3/15/24		\$
1,729,269	MACOM Technology Solutions Holdings, Inc. (fka M/A-COM Technology Solutions Holdings, Inc.), Initial Term Loan, 3.428%, 5/17/24		\$
250,000	Micron Technology, Inc., Term Loan, 3.55%, 4/26/22		\$
303,616	Microsemi Corp., Term B Loan, 3.326%, 1/15/23		\$
625,461	ON Semiconductor Corp., 2017 New Replacement Term Loan, 3.295%, 3/31/23		\$
	Total Semiconductors & Semiconductor Equipment		\$
	SOFTWARE & SERVICES -- 9.4%		
	Application Software -- 2.5%		
934,864	Applied Systems, Inc., First Lien Term Loan, 4.397%, 1/25/21		\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

30 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

Principal Amount USD (\$)	Description
<hr/>	
	Application Software -- (continued)
972,794	Applied Systems, Inc., Second Lien Term Loan, 7.647%, 1/24/22
598,540	Greeneden US Holdings I LLC, Tranche B-1 Dollar Term Loan, 5.158%, 12/1/23
766,746	Infor (US), Inc. (fka Lawson Software, Inc.), Tranche B-6 Term Loan, 3.897%, 2/1/22
511,585	Quest Software US Holdings, Inc., First Lien Initial Term Loan, 7.0%, 10/31/22
1,714,134	STG-Fairway Acquisitions, Inc., First Lien Term Loan, 6.397%, 6/30/22
1,200,000	Synchronoss Technologies, Inc., Initial Term Loan, 4.082%, 1/19/24
1,397,490	Verint Systems, Inc., Tranche B Incremental Term Loan, 3.831%, 9/6/19
<hr/>	
	Data Processing & Outsourced Services -- 1.3%
299,239	Black Knight InfoServ LLC, Term B Loan, 3.313%, 5/27/22
1,603,336	First Data Corp., 2022C New Dollar Term Loan, 4.029%, 7/8/22
1,225,542	First Data Corp., 2024 New Dollar Term Loan, 3.529%, 4/26/24
744,375	WEX, Inc., Term B Loan, 4.545%, 6/30/23
<hr/>	
	Home Entertainment Software -- 0.4%
1,241,064	MA FinanceCo., LLC (aka Micro Focus International Plc), Tranche B-2 Term Loan, 3.672%, 11/19/21
97,000 (c)	MA FinanceCo., LLC (aka Micro Focus International Plc), Tranche B-3 Term Loan, 4/29/24
<hr/>	
	Internet Software & Services -- 1.5%
966,349	Avast Holding BV, Initial Refinancing Dollar Term Loan, 4.397%, 9/30/23
690,000	Blucora, Inc., Term Loan B, 4.76%, 4/19/24
908,093	Match Group, Inc., Term B-1 Loan, 4.277%, 11/16/22
1,645,875	Rackspace Hosting, Inc., First Lien Term B Loan, 4.672%, 11/3/23
309,248	Zayo Group LLC (Zayo Capital, Inc.), 2017 Incremental Refinancing B-2 Term Loan, 3.51%, 1/19/24
<hr/>	

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

776,585	IT Consulting & Other Services -- 2.7% Booz Allen Hamilton, Inc., New Refinancing Tranche B Term Loan, 3.243%, 6/30/23	\$
---------	--	----

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 31

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

	IT Consulting & Other Services -- (continued)	
2,332,978	Evergreen Skills Lux S.a.r.l., First Lien Initial Term Loan, 5.795%, 4/28/21	\$
999,917	Evergreen Skills Lux S.a.r.l., Second Lien Initial Term Loan, 9.295%, 4/28/22	
1,000,000	Go Daddy Operating Co., LLC (GD Finance Co, Inc.), Initial Term Loan, 3.545%, 2/15/24	
473,813	Kronos, Inc., First Lien Incremental Term Loan, 4.68%, 11/1/23	
700,000	Rocket Software, Inc., Second Lien Term Loan, 10.647%, 10/14/24	
492,006	Science Applications International Corp., Incremental Tranche B Loan, 3.688%, 5/4/22	
1,354,375	Sitel Worldwide Corp., First Lien Term B-1 Loan, 6.688%, 9/18/21	
500,000	Tempo Acquisition LLC, Initial Term Loan, 3.995%, 5/1/24	-
		\$
	Systems Software -- 1.0%	
895,689	EZE Software Group LLC, First Lien Term B-2 Loan, 4.147%, 4/6/20	\$
325,000	Ivanti Software, Inc. (fka LANDesk Group, Inc.), First Lien Term Loan, 5.3%, 1/20/24	
1,235,527	Rovi Solutions Corp., Term B Loan, 3.55%, 7/2/21	
653,000(c)	Seattle Spinco, Inc. (aka Micro Focus International Plc), Term Loan B, 4/19/24	-
		\$
	Total Software & Services	\$
	TECHNOLOGY HARDWARE & EQUIPMENT -- 2.7%	
438,500	Communications Equipment -- 0.1% Commscope, Inc., Tranche 5 Term Loan, 3.045%, 12/29/22	\$
	Electronic Components -- 0.6%	
653,600	Generac Power Systems, Inc., 2017 New Term Loan, 3.398%, 5/31/23	\$
1,200,500	Mirion Technologies (Finance) LLC (Mirion Technologies, Inc.), First Lien Initial Term Loan, 5.897%, 3/31/22	

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

1,836,958	Electronic Manufacturing Services -- 0.6% 4L Technologies, Inc. (fka Clover Holdings, Inc.), Term Loan, 5.501%, 5/8/20	\$
790,930	Technology Distributors -- 0.6% CDW LLC (aka AP Exhaust Acquisition LLC) (fka CDW Corp.), Term Loan, 3.15%, 8/17/23	\$

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

32 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal Amount USD (\$)		V
1,006,063	Technology Distributors -- (continued) SS&C Technologies Holdings, Inc., 2017 Refinancing New Term B-1 Loan, 3.295%, 7/8/22	\$
69,917	SS&C Technologies Holdings, Inc., 2017 Refinancing New Term B-2 Loan, 3.295%, 7/8/22	\$
1,243,758	Technology Hardware, Storage & Peripherals -- 0.8% Dell International LLC (EMC Corp.), New Term Loan B, 3.55%, 9/7/23	\$
332,500	Diebold Nixdorf, Inc. (fka Diebold, Inc.), New Dollar Term B Loan, 3.75%, 11/6/23	\$
794,010	Western Digital Corp., US Term B-2 Loan, 3.783%, 4/29/23	\$
	Total Technology Hardware & Equipment	\$
1,750,000 (c)	TELECOMMUNICATION SERVICES -- 3.5% Integrated Telecommunication Services -- 1.7% CenturyLink, Inc., Term Loan B, 1/31/25	\$
1,224,365	GCI Holdings, Inc., New Term B Loan, 4.045%, 2/2/22	\$
1,243,406	Level 3 Financing, Inc., Tranche B 2024 Term Loan, 3.26%, 2/22/24	\$
306,529	Securus Technologies Holdings, Inc., First Lien Initial Term Loan, 4.75%, 4/30/20	\$
613,816	Windstream Services LLC (fka Windstream Corp.), 2016 Term Loan Tranche B-6, 5.01%, 3/29/21	\$
2,520,163	Wireless Telecommunication Services -- 1.8% Altice US Finance I Corp., March 2017 Refinancing Term Loan, 3.283%, 7/28/25	\$
325,000 (c)	Digicel International Finance, Ltd., Term Loan, 5/10/24	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

720,343	Intelsat Jackson Holdings SA, Tranche B-2 Term Loan, 3.887%, 6/30/19
2,075,000	Sprint Communications, Inc., Initial Term Loan, 3.563%, 2/2/24

Total Telecommunication Services

TRANSPORTATION -- 4.5%	
Airlines -- 2.8%	
840,000	Air Canada, Term Loan, 3.9%, 10/6/23
2,910,656	American Airlines, Inc., 2017 Replacement Term Loan, 3.044%, 6/27/20
1,254,938	American Airlines, Inc., Class B Term Loan, 3.489%, 12/14/23

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 33

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

Airlines -- (continued)	
2,079,000	American Airlines, Inc., Replacement Class B Term Loan, 3.544%, 4/28/23
1,436,250	Delta Air Lines, Inc., 2014 Term B-1 Loan, 3.494%, 10/18/18
240,625	United Air Lines, Inc., Class B Term Loan, 3.422%, 4/1/24

Marine -- 0.9%	
1,635,719	Commercial Barge Line Co., Initial Term Loan, 9.795%, 11/12/20
1,250,000	Navios Maritime Partners LP, Initial Term Loan, 6.13%, 9/14/20

Trucking -- 0.8%	
401,788	PODS LLC, Tranche B-2 Term Loan, 4.25%, 2/2/22
774,000	Syncreon Global Finance, Inc., Term Loan, 5.295%, 10/28/20
1,550,302	YRC Worldwide, Inc., Initial Term Loan, 8.545%, 2/13/19

Total Transportation

UTILITIES -- 4.3%
Electric Utilities -- 2.7%

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

1,296,084	APLH Holdings, Ltd., Partnership, Term Loan, 5.295%, 4/13/23	\$
2,165,625	Calpine Construction Finance Co., LP, Term B-1 Loan, 3.3%, 5/3/20	
1,517,142	ExGen Renewables LLC, Term Loan, 5.41%, 2/8/21	
239,552 (c)	Helix Gen Funding LLC, Term Loan, 5/31/24	
1,720,688	Talen Energy Supply LLC, Term Loan B-1, 5.027%, 7/6/23	
1,073,873	TPF II Power LLC (TPF II Convert Midco LLC), Term Loan, 5.045%, 10/2/23	
102,143	Vistra Operations Co., LLC (fka Tex Operations Co., LLC), Initial Term C Loan, 3.795%, 8/4/23	
446,738	Vistra Operations Co., LLC (fka Tex Operations Co., LLC), Initial Term Loan, 3.794%, 8/4/23	

	Independent Power Producers & Energy Traders -- 1.4%	
1,630,950	Calpine Corp., Term Loan B, 3.9%, 1/15/24	\$
1,198,544	NRG Energy, Inc., Term Loan, 3.295%, 6/30/23	
1,577,641	TerraForm AP Acquisition Holdings LLC, Term Loan, 5.647%, 6/27/22	

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

34 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

	Multi-Utilities -- 0.2%	
420,472	EFS Cogen Holdings I LLC, Term B Advance, 4.65%, 6/28/23	\$

Total Utilities

TOTAL SENIOR SECURED FLOATING RATE
LOAN INTERESTS
(Cost \$408,011,097)

	COLLATERALIZED LOAN OBLIGATIONS -- 0.5% of Net Assets	
	BANKS -- 0.5%	
	Diversified Banks -- 0.3%	
1,000,000 (a)	Primus, Ltd., Series 2007-2A, Class D, 3.558%, 7/15/21 (144A)	\$

	Thriffts & Mortgage Finance -- 0.2%	
700,000 (a)	NCF Dealer Floorplan Master Trust, Series 2016-1A, Class C, 9.51%, 3/21/22 (144A)	\$

Total Banks

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

TOTAL COLLATERALIZED LOAN OBLIGATIONS		\$
(Cost \$1,633,413)		
<hr style="border-top: 1px dashed black;"/>		
	CORPORATE BONDS & NOTES -- 6.4% of Net Assets	
	AUTOMOBILES & COMPONENTS -- 0.3%	
	Auto Parts & Equipment -- 0.3%	
1,000,000	International Automotive Components Group SA, 9.125%, 6/1/18 (144A)	\$
	Total Automobiles & Components	\$
<hr style="border-top: 1px dashed black;"/>		
	BANKS -- 0.4%	
	Diversified Banks -- 0.4%	
1,100,000 (f) (g)	BNP Paribas SA, 7.625% (144A)	\$
	Total Banks	\$
<hr style="border-top: 1px dashed black;"/>		
	CAPITAL GOODS -- 0.3%	
	Trading Companies & Distributors -- 0.3%	
900,000	United Rentals North America, Inc., 4.625%, 7/15/23	\$
	Total Capital Goods	\$
<hr style="border-top: 1px dashed black;"/>		
	ENERGY -- 0.6%	
	Oil & Gas Exploration & Production -- 0.4%	
500,000	Gulfport Energy Corp., 6.625%, 5/1/23	\$
625,000	WPX Energy, Inc., 7.5%, 8/1/20	\$
<hr style="border-top: 1px dashed black;"/>		
	Oil & Gas Storage & Transportation -- 0.2%	
800,000 (a)	Golar LNG Partners LP, 7.432%, 5/15/21 (144A)	\$
	Total Energy	\$
<hr style="border-top: 1px dashed black;"/>		

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 35

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal Amount USD (\$)		V
<hr style="border-top: 1px dashed black;"/>		
	HEALTH CARE EQUIPMENT & SERVICES -- 0.4%	
	Health Care Facilities -- 0.4%	
200,000	CHS/Community Health Systems, Inc., 6.25%, 3/31/23	\$
1,000,000	CHS/Community Health Systems, Inc., 6.875%, 2/1/22	\$
	Total Health Care Equipment & Services	\$
<hr style="border-top: 1px dashed black;"/>		
	INSURANCE -- 1.9%	
	Reinsurance -- 1.9%	
500,000 (a)	Alamo Re, Ltd., 6.171%, 6/7/17 (144A) (Cat Bond)	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

500,000 (a)	Alamo Re, Ltd., 6.751%, 6/7/18 (144A) (Cat Bond)
400,000 (h) (i)	Berwick Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 2/1/18
250,000 (h) (i)	Carnoustie Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/20
250,000 (h) (i)	Carnoustie Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/21
250,000 (h) (i)	Gleneagles Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/20
400,000 (h) (i)	Gullane Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/20
400,000 (h) (i)	Gullane Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 11/30/21
400,000 (a)	Kilimanjaro II Re, Ltd., 7.117%, 4/20/21 (144A) (Cat Bond)
250,000 (a)	Kilimanjaro Re, Ltd., Series 2015-1, Class D, 10.221%, 12/6/19 (144A) (Cat Bond)
250,000 (a)	Kilimanjaro Re, Ltd., Series 2015-1, Class E, 7.721%, 12/6/19 (144A) (Cat Bond)
250,000 (h) (i)	Madison Re, Variable Rate Notes, 3/31/19
400,000 (h) (i)	Pangaea Re Segregated Account (Artex SAC, Ltd.), Series 2016-1, Variable Rate Notes, 2/1/20
400,000 (h) (i)	Pangaea Re Segregated Account (Artex SAC, Ltd.), Series 2017-1, Variable Rate Notes, 11/30/21
400,000 (h) (i)	Pinehurst Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 1/16/18
300,000 (h) (i)	Portrush 2016 Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 6/15/17
350,000 (h) (i)	Resilience Re, Ltd., Variable Rate Notes, 7/7/17
300,000 (h) (i)	Resilience Re, Ltd., Variable Rate Notes, 4/6/18
300,000 (h) (i)	Resilience Re, Ltd., Variable Rate Notes, 1/8/19 (144A)
400,000 (h) (i)	St. Andrews Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 2/1/18
400,000 (h) (i)	St. Andrews Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 2/1/19
400,000 (h) (i)	St. Andrews Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 6/1/19

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

36 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Principal
Amount
USD (\$)

	Reinsurance -- (continued)	
300,000 (h) (i)	Sunningdale 2017 Segregated Account (Artex SAC, Ltd.), Variable Rate Notes, 1/16/18	\$
250,000 (a)	Ursa Re, Ltd., 3.5%, 5/27/20 (144A) (Cat Bond)	—

Total Insurance

	MATERIALS -- 0.6%	
	Commodity Chemicals -- 0.3%	
758,000	Rain CII Carbon LLC / CII Carbon Corp., 7.25%,	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	4/1/25 (144A)	
1,000,000 (a)	Metal & Glass Containers -- 0.3% Ardagh Packaging Finance Plc / Ardagh Holdings USA, Inc., 4.432%, 5/15/21 (144A)	\$
	Total Materials	\$
300,000	MEDIA -- 0.4% Broadcasting -- 0.1% CSC Holdings LLC, 5.5%, 4/15/27 (144A)	\$
750,000	Cable & Satellite -- 0.3% Hughes Satellite Systems Corp., 5.25%, 8/1/26	\$
	Total Media	\$
750,000	SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.2% Semiconductors -- 0.2% Micron Technology, Inc., 5.25%, 8/1/23 (144A)	\$
	Total Semiconductors & Semiconductor Equipment	\$
920,000	SOFTWARE & SERVICES -- 0.3% Internet Software & Services -- 0.3% j2 Cloud Services, Inc., 8.0%, 8/1/20	\$
	Total Software & Services	\$
500,000 1,000,000	TELECOMMUNICATION SERVICES -- 0.5% Integrated Telecommunication Services -- 0.5% CenturyLink, Inc., 6.45%, 6/15/21 Frontier Communications Corp., 10.5%, 9/15/22	\$
	Total Telecommunication Services	\$
365,000	TRANSPORTATION -- 0.1% Airlines -- 0.1% Air Canada 2015-1 Class C Pass Through Trust, 5.0%, 3/15/20 (144A)	\$
	Total Transportation	\$

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 37

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal
Amount
USD (\$)

UTILITIES -- 0.4%

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	Independent Power Producers & Energy Traders -- 0.4%		\$
1,125,000	NRG Energy, Inc., 6.25%, 7/15/22		-
	Total Utilities		\$
<hr style="border-top: 1px dashed black;"/>			
	TOTAL CORPORATE BONDS & NOTES		\$
	(Cost \$18,990,775)		-
<hr style="border-top: 1px dashed black;"/>			
	U.S. GOVERNMENT AND AGENCY OBLIGATIONS -- 5.0% of Net Assets		\$
3,270,000 (a)	U.S. Treasury Notes, 1.13%, 10/31/17		-
8,980,000 (a)	U.S. Treasury Notes, 1.152%, 4/30/18		\$
3,365,000 (a)	U.S. Treasury Notes, 1.234%, 1/31/18		-
<hr style="border-top: 1px dashed black;"/>			
	TOTAL U.S. GOVERNMENT AND AGENCY OBLIGATIONS		\$
	(Cost \$15,625,894)		-
<hr style="border-top: 1px dashed black;"/>			
	TAX EXEMPT OBLIGATION -- 0.1% of Net Assets (j)		\$
250,000 (f)	Mississippi -- 0.1%		-
	Mississippi Business Finance Corp., Chevron USA, Inc. Project, Series G, 0.78%, 12/1/30		\$
<hr style="border-top: 1px dashed black;"/>			
	TOTAL TAX EXEMPT OBLIGATION		\$
	(Cost \$250,000)		-
<hr style="border-top: 1px dashed black;"/>			
Shares			
<hr style="border-top: 1px dashed black;"/>			
	EXCHANGE-TRADED FUNDS -- 1.7% of Net Assets		\$
	DIVERSIFIED FINANCIALS -- 1.7%		-
	Asset Management & Custody Banks -- 0.6%		\$
40,000	BlackRock Floating Rate Income Strategies Fund, Inc.		-
30,000	Eaton Vance Floating-Rate Income Trust		\$
50,000	First Trust Senior Floating Rate Income Fund II		-
50,000	Invesco Senior Income Trust		\$
<hr style="border-top: 1px dashed black;"/>			
27,000	Other Diversified Financial Services -- 1.1%		\$
42,000	iShares iBoxx \$ High Yield Corporate Bond ETF		-
	PowerShares Senior Loan Portfolio		\$
	Total Diversified Financials		\$
<hr style="border-top: 1px dashed black;"/>			
	TOTAL EXCHANGE-TRADED FUNDS		\$
	(Cost \$5,127,287)		-
<hr style="border-top: 1px dashed black;"/>			

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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Shares			
		COMMON STOCKS -- 0.1% of Net Assets	
		CONSUMER DURABLES & APPAREL -- 0.0%+	
		Homebuilding -- 0.0%+	
31,348 (k)		WAICCS Las Vegas 3 LLC	\$
			-
		Total Consumer Durables & Apparel	\$
		HEALTH CARE EQUIPMENT & SERVICES -- 0.0%+	
		Health Care Technology -- 0.0%+	
209,625 (b) (k)		Medical Card System, Inc.	\$
			-
		Total Health Care Equipment & Services	\$
		INDUSTRIALS -- 0.0%+	
		Diversified Support Services -- 0.0%+	
31 (k)		IAP Worldwide Services, Inc.	\$
			-
		Total Industrials	\$
		MEDIA -- 0.0%+	
		Publishing -- 0.0%+	
1,242 (k)		Solocal Group SA	\$
			-
		Total Media	\$
		PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES -- 0.0%+	
		Biotechnology -- 0.0%+	
2,454 (k)		Progenics Pharmaceuticals, Inc.	\$
			-
		Total Pharmaceuticals, Biotechnology & Life Sciences	\$
		RETAILING -- 0.0%+	
		Computer & Electronics Retail -- 0.0%+	
91,346 (b) (k)		Targus Cayman SubCo., Ltd.	\$
			-
		Total Retailing	\$
		TRANSPORTATION -- 0.1%	
		Air Freight & Logistics -- 0.1%	
710 (k)		CEVA Holdings LLC	\$
			-
		Total Transportation	\$
		UTILITIES -- 0.0%+	
		Independent Power Producers & Energy	
		Traders -- 0.0%+	
775		NRG Energy, Inc.	\$
			-
		Total Utilities	\$
		TOTAL COMMON STOCKS	
		(Cost \$1,515,139)	\$

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 39

Schedule of Investments | 5/31/17 (unaudited) (continued)

Principal Amount USD (\$)		V
	TEMPORARY CASH INVESTMENTS -- 4.9% of Net Assets	
6,840,000	REPURCHASE AGREEMENTS -- 3.1% \$6,840,000 ScotiaBank, 0.81%, dated 5/31/17, plus accrued interest on 6/1/17 collateralized by the following: \$1,300,791 Government National Mortgage Associations, 4.0%, 4/20/47, \$5,295,100 Federal National Mortgage Association, 2.8%-5.5%, 5/1/34-5/1/47, \$381,066 Freddie Mac Giant, 4.0%, 6/1/42.	
2,885,000	\$2,885,000 TD Securities USA LLC, 0.79%-0.8%, dated 5/31/17, plus accrued interest on 6/1/17 collateralized by the following: \$2,942,761 U.S. Treasury Notes, 1.125%, 8/31/21.	\$
2,500,000 (1)	TREASURY BILLS -- 1.8% U.S. Treasury Bill, 6/29/17	\$
2,900,000 (1)	U.S. Treasury Bill, 7/6/17	\$
	TOTAL TEMPORARY CASH INVESTMENTS (Cost \$15,121,299)	\$
	TOTAL INVESTMENTS IN SECURITIES -- 149.6% (Cost -- \$466,274,904) (m)	\$
	OTHER ASSETS AND LIABILITIES -- (49.6)%	\$
	NET ASSETS -- 100.0%	\$

REIT Real Estate Investment Trust.

(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 May 31, 2017, the value of these securities amounted to 10,414,774, or 3.4% of net assets.

(Cat Bond) Catastrophe or Event-linked bond. At May 31, 2017, the value of these securities amounted to \$2,169,595, or 0.7% of net assets.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

See Notes to Financial Statements -- Note 1F.

- + Amount rounds to less than 0.1%.
- * 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 rate plus a premium. These base lending rates are generally (i) the lending rate offered by one or more major European banks, such as LIBOR (London InterBank Offered Rate), (ii) the prime rate offered by one or more major United States banks, (iii) the 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 May 31, 2017.
 - (a) Floating rate note. The rate shown is the coupon rate at May 31, 2017.

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

40 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

- (b) Security is valued using fair value methods (other than prices supplied by independent pricing services). See Notes to Financial Statements -- Note 1A.
- (c) This term loan will settle after May 31, 2017, at which time the interest rate will be determined.
- (d) Payment in Kind (PIK) security which may pay interest in the form of additional principal amount.
- (e) Security is in default.
- (f) The interest rate is subject to change periodically. The interest rate shown is the rate at May 31, 2017.
- (g) Security is perpetual in nature and has no stated maturity date.
- (h) Structured reinsurance investment. At May 31, 2017, the value of these securities amounted to \$3,697,190, or 1.2% of net assets. See Notes to Financial Statements -- Note 1F.
- (i) Rate to be determined.
- (j) Consists of Revenue Bonds unless otherwise indicated.
- (k) Non-income producing.
- (l) Security issued with a zero coupon. Income is recognized through accretion of discount.
- (m) At May 31, 2017, the net unrealized depreciation on investments based on cost for federal tax purposes of \$466,478,458 was as follows:

Aggregate gross unrealized appreciation for all investments in which there is an excess of value over tax cost
Aggregate gross unrealized depreciation for all investments in which

\$ 5,466,768

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

there is an excess of tax cost over value	(7,401,061)
Net unrealized depreciation	\$ (1,934,293)

Purchases and sales of securities (excluding temporary cash investments) for the six months ended May 31, 2017 were as follows:

	Purchases	Sales
Long-Term U.S. Government	\$ --	\$ --
Other Long-Term Securities	\$197,022,820	\$202,692,745

The Trust is permitted to engage in purchase and sale transactions ("cross trades") with certain funds and accounts for which Amundi Pioneer Asset Management, Inc., (Amundi Pioneer) formerly, Pioneer Investment Management, Inc. (PIM) serves as the investment adviser, as set forth in Rule 17a-7 under the Investment Company Act of 1940, pursuant to procedures adopted by the Board of Trustees. Under these procedures, cross trades are effected at current market prices. During the six months ended May 31, 2017, the Trust did not engage in cross trade activity.

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 41

Schedule of Investments | 5/31/17 (unaudited) (continued)

CENTRALLY CLEARED CREDIT DEFAULT SWAP AGREEMENTS -- SELL PROTECTION

Notional Principal (\$)(1)	Exchange	Obligation Entity/Index	Coupon	Credit Rating(2)	Expiration Date	Pre Paid (Re)
1,067,000	Chicago Mercantile Exchange	Markit CDX North America High Yield Index Series 24	5.00%	B+	6/20/20	\$ 6
1,092,700	Chicago Mercantile Exchange	Markit CDX North America High Yield Index Series 25	5.00%	B+	12/20/20	(1
						\$ 5

(1) The notional amount is the maximum amount that a seller of credit protection would be obligated to pay upon occurrence of a credit event.

(2) Based on Standard & Poor's rating of the issuer or weighted average of all the underlying securities of the index.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

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.

The following is a summary of the inputs used as of May 31, 2017, in valuing the Trust's investments.

	Level 1	Level 2	Level 3	Total
Senior Secured Floating Rate Loan Interests				
Capital Goods				
Aerospace & Defense	\$ --	\$14,089,161	\$2,269,313	\$16,358,474
Health Care Equipment & Services				
Health Care Technology	--	2,960,140	731,754	3,691,894
All Other Senior Secured Floating Rate Loan Interests	--	386,327,497	--	386,327,497
Collateralized Loan Obligations	--	1,695,703	--	1,695,703
Corporate Bonds & Notes				
Insurance				
Reinsurance	--	2,169,595	3,697,190	5,866,785
All Other Corporate Bonds & Notes	--	13,840,953	--	13,840,953
U.S. Government and Agency Obligations	--	15,645,352	--	15,645,352
Tax Exempt Obligation	--	250,000	--	250,000
Exchange-Traded Funds	5,319,670	--	--	5,319,670

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

42 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

	Level 1	Level 2	Level 3	Total
Common Stocks				
Consumer Durables & Apparel				
Homebuilding	\$ --	\$ 100,000	\$ --	\$ 100,000
Health Care Equipment & Services				
Health Care Technology	--	--	2,096	2,096

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Industrials					
Diversified Support Services	--	42,515	--		42,515
Retailing					
Computer & Electronics Retail	--	--	88,606		88,606
Transportation					
Air Freight & Logistics	--	163,621	--		163,621
All Other Common Stocks	29,746	--	--		29,746
Repurchase Agreements	--	9,725,000	--		9,725,000
Treasury Bills	--	5,396,253	--		5,396,253

Total Investments in Securities	\$ 5,349,416	\$452,405,790	\$ 6,788,959		\$464,544,165
=====					
Other Financial Instruments					
Unrealized appreciation on centrally cleared credit default swap agreements	\$ --	\$ 136,661	\$ --		\$ 136,661

Total Other Financial Instruments	\$ --	\$ 136,661	\$ --		\$ 136,661
=====					

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 43

Schedule of Investments | 5/31/17 (unaudited) (continued)

	Balance as of 11/30/16	Realized gain (loss) (1)	Change in unrealized appreciation (depreciation) (2)	Purchases	Sales	Accrued discounts/premiums
Senior Secured Floating Rate Loan Interests						
Capital Goods						
Aerospace & Defense	\$ --	\$ 54	\$ 20,918	\$2,252,250	\$ (5,687)	\$ 1,
Health Care						
Equipment & Services						
Health Care Technology	731,754	--	(21,778)	--	--	21,
Corporate Bonds & Notes						
Insurance						
Reinsurance	3,255,179	--	50,548	3,066,422	(2,644,989)	(29,
Common Stocks						
Health Care						
Equipment & Services						
Health Care Technology	2,096	--	--	--	--	--
Retailing						

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Computer & Electronics Retail	88,606	--	--	--	--
<hr style="border-top: 1px dashed black;"/>					
Total	\$ 4,077,635	\$ 54	\$ 49,688	\$5,318,672	\$ (2,650,676) \$ (6,
<hr style="border-top: 3px double black;"/>					

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

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

* Transfers are calculated on the beginning of period value. For the six months ended May 31, 2017, there were no transfers between Levels 1, 2 and 3.

Net change in unrealized appreciation of Level 3 investments still held and considered Level 3 at May 31, 2017: \$49,688.

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

44 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Statement of Assets and Liabilities | 5/31/17 (unaudited)

ASSETS:

Investments in securities, at value (cost \$466,274,904)	\$ 464,544,16
Cash	1,320,56
Foreign currencies, at value (cost \$74,997)	63,80
Restricted cash*	197,92
Receivables --	
Investment securities sold	2,177,86
Interest	1,948,93
Dividends	33,52
Variation margin for centrally cleared swap agreements	11
Unrealized appreciation on unfunded loan commitments	39
Prepaid expenses	24

Total assets	\$ 470,287,52
--------------	---------------

LIABILITIES:

Payables --	
Credit agreement	\$ 143,450,00
Investment securities purchased	15,765,06
Trustees' fees	3,64
Administration fee	94,42
Interest expense	54
Due to affiliates	278,45
Accrued expenses and other liabilities	131,32

Total liabilities	\$ 159,723,45
-------------------	---------------

NET ASSETS:

Paid-in capital	\$ 437,566,80
Undistributed net investment income	1,702,66

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Accumulated net realized loss on investments, swap agreements, and foreign currency transactions	(127,094,65
Net unrealized depreciation on investments	(1,730,73
Unrealized appreciation on swap agreements	136,66
Unrealized appreciation on unfunded loan commitments	39
Unrealized depreciation on other assets and liabilities denominated in foreign currencies	(17,05
<hr style="border-top: 1px dashed black;"/>	
Net assets	\$ 310,564,07
<hr style="border-top: 1px dashed black;"/>	
NET ASSET VALUE PER SHARE:	
No par value (unlimited number of shares authorized)	
Based on \$310,564,071 / 24,738,174 shares	\$ 12.5
<hr style="border-top: 1px dashed black;"/>	

* Represents restricted cash deposited at the custodian and/or counterparty for derivative contracts.

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 45

Statement of Operations (unaudited)

For the Six Months Ended 5/31/17

INVESTMENT INCOME:	
Interest	\$12,022,012
Dividends	114,959
Loan facility and other income	390,509
<hr style="border-top: 1px dashed black;"/>	
Total investment income	\$12,527,48
<hr style="border-top: 1px dashed black;"/>	
EXPENSES:	
Management fees	\$ 1,587,009
Administrative expense	90,783
Transfer agent fees	6,632
Shareowner communications expense	14,183
Custodian fees	37,268
Professional fees	53,290
Printing expense	14,124
Trustees' fees	9,305
Pricing fees	22,463
Interest expense	1,313,073
Miscellaneous	112,983
<hr style="border-top: 1px dashed black;"/>	
Total expenses	\$ 3,261,11
<hr style="border-top: 1px dashed black;"/>	
Net investment income	\$ 9,266,36
<hr style="border-top: 1px dashed black;"/>	
REALIZED AND UNREALIZED GAIN (LOSS) ON INVESTMENTS, SWAP AGREEMENTS, UNFUNDED LOAN COMMITMENTS, AND FOREIGN CURRENCY TRANSACTIONS:	
Net realized gain (loss) on:	
Investments	\$ (851,054)
Swap agreements	38,045
Other assets and liabilities denominated	

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

in foreign currencies	(22)	\$ (813,031)

Change in net unrealized appreciation (depreciation) on:		
Investments	\$ 1,879,275	
Swap agreements	22,629	
Unfunded loan commitments	(2,350)	
Other assets and liabilities denominated in foreign currencies	6,342	\$ 1,905,896

Net realized and unrealized gain (loss) on investments, swap agreements, unfunded loan commitments, and foreign currency transactions		\$ 1,092,866

Net increase in net assets resulting from operations		\$10,359,232
=====		

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

46 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Statements of Changes in Net Assets

	Six Months Ended 5/31/17 (unaudited)	Year Ended 11/30/16

FROM OPERATIONS:		
Net investment income (loss)	\$ 9,266,367	\$ 19,154,376
Net realized gain (loss) on investments, swap agreements, and foreign currency transactions	(813,031)	(10,303,504)
Change in net unrealized appreciation (depreciation) on investments, swap agreements, unfunded loan commitments, and foreign currency transactions	1,905,896	13,912,597

Net increase in net assets resulting from operations	\$ 10,359,232	\$ 22,763,469

DISTRIBUTIONS TO SHAREOWNERS:		
Net investment income and previously undistributed net investment income (\$0.37 and \$0.72 per share, respectively)	\$ (9,103,648)	\$ (17,811,485)

Total distributions to shareowners	\$ (9,103,648)	\$ (17,811,485)

Net increase in net assets	\$ 1,255,584	\$ 4,951,984
NET ASSETS:		
Beginning of period	309,308,487	304,356,503

End of period	\$310,564,071	\$ 309,308,487

Undistributed net investment income	\$ 1,702,666	\$ 1,539,947
=====		

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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Statement of Cash Flows (unaudited)

For the Six Months Ended 5/31/17

Cash Flows From Operating Activities:

Net increase in net assets resulting from operations	\$ 10,359,23

Adjustments to reconcile net increase in net assets resulting from operations to net cash and foreign currencies from operating activities:	
Purchases of investment securities	\$ (209,953,70
Proceeds from disposition and maturity of investment securities	202,011,14
Net proceeds from temporary cash investments	8,177,92
Net accretion and amortization of discount/premium on investment securities	(485,73
Change in unrealized appreciation on investments	(1,879,27
Change in unrealized depreciation on unfunded loan commitments	2,35
Change in unrealized appreciation on foreign currency	(3,70
Net realized loss on investments	851,05
Decrease in restricted cash	13
Decrease in interest receivable	357,79
Increase in prepaid expenses	(24
Increase in due to affiliates	27,63
Increase in trustees' fees payable	66
Decrease in administration fees payable	(33,88
Decrease in accrued expenses payable	(56,97
Decrease in interest expense payable	(79
Decrease in variation margin for centrally cleared swap agreements	3,84

Net cash and foreign currencies from operating activities	\$ 9,377,46

Cash Flows Used in Financing Activities:	
Distributions to shareowners	\$ (9,103,64

Net cash and foreign currencies used in financing activities	\$ (9,103,64

Effect of Foreign Exchange Fluctuations on Cash:	
Effect of foreign exchange fluctuations on cash	\$ 3,70

Cash and Foreign Currencies:	
Beginning of the period	\$ 1,106,84

End of the period	\$ 1,384,36

Cash Flow Information:	
Cash paid for interest	\$ 1,313,86
=====	

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

48 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Financial Highlights

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

	Six Months Ended 5/31/17 (unaudited)	Year Ended 11/30/16	Year Ended 11/30/15	Year Ended 11/30/14
Per Share Operating Performance				
Net asset value, beginning of period	\$ 12.50	\$ 12.30	\$ 12.82	\$ 12.82
Increase (decrease) from investment operations: (a)				
Net investment income	\$ 0.37	\$ 0.77	\$ 0.76	\$ 0.76
Net realized and unrealized gain (loss) on investments, swap agreements, unfunded loan commitments, and foreign currency transactions	0.05	0.15	(0.58)	
Distributions to preferred shareowners from:				
Net investment income	\$ --	\$ --	\$ --	\$ --
Net increase from investment operations	\$ 0.42	\$ 0.92	\$ 0.18	\$ 0.18
Distributions to common shareowners from:				
Net investment income and previously undistributed net investment income	\$ (0.37)	\$ (0.72)	\$ (0.70)	\$ (0.70)
Net increase (decrease) in net asset value	\$ 0.05	\$ 0.20	\$ (0.52)	\$ (0.52)
Net asset value, end of period	\$ 12.55	\$ 12.50	\$ 12.30	\$ 12.30
Market value, end of period	\$ 11.92	\$ 11.78	\$ 10.83	\$ 10.83
Total return at net asset value (c)	3.48% (d)	8.31%	1.96%	1.96%
Total return at market value (c)	4.30% (d)	15.92%	1.31%	1.31%
Ratios to average net assets of shareowners:				
Total expenses plus interest expense (e) (f)	2.10% (g)	1.96%	1.81%	1.81%
Net investment income before preferred share distributions	5.97% (g)	6.32%	6.00%	6.00%
Preferred share distributions	--%	--%	--%	--%
Net investment income available to shareowners	5.97% (g)	6.32%	6.00%	6.00%
Portfolio turnover	44%	52%	38%	38%
Net assets, end of period (in thousands)	\$ 310,564	\$ 309,308	\$ 304,357	\$ 304,357

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 49

Financial Highlights (continued)

	Six Months Ended 5/31/17 (unaudited)	Year Ended 11/30/16	Year Ended 11/30/15	Year Ended 11/30/14
Preferred shares outstanding (in thousands)	\$ --	\$ --	\$ --	\$ --
Asset coverage per preferred share, end of period	\$ --	\$ --	\$ --	\$ --
Average market value per preferred share (i)	\$ --	\$ --	\$ --	\$ --
Liquidation value, including dividends payable, per				

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

preferred share	\$	--	\$	--	\$	--
Total amount of debt outstanding (in thousands)	\$	143,450	\$	143,450	\$	150,450
Asset coverage per indebtedness (in thousands)	\$	3,165	\$	3,156	\$	3,023

* The amount of distributions made to shareowners during the period were in excess of the net investment income earned by the Trust during the period. The Trust has accumulated undistributed net investment income which is part of the Trust's NAV. A portion of the accumulated net investment income was distributed to shareowners during the period.

- (a) The per common share data presented above is based upon the average common shares outstanding for the periods presented.
- (b) Amount rounds to less than \$(0.005) per share.
- (c) Total investment return is calculated assuming a purchase of common shares at the current net asset value or market value on the first day and a sale at the current net asset value or 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) Not annualized.
- (e) Expense ratios do not reflect the effect of distribution payments to preferred shareowners.
- (f) Includes interest expense of 0.85%, 0.63%, 0.51%, 0.49%, 0.00%, and 0.00%, respectively.
- (g) Annualized.
- (h) Preferred shares were redeemed during the period.
- (i) Market value is redemption value without an active market.

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

50 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Notes to Financial Statements | 5/31/17 (unaudited)

1. Organization and Significant Accounting Policies

Pioneer Floating Rate Trust (the Trust) was organized as a Delaware statutory trust on October 6, 2004. Prior to commencing operations on December 28, 2004, the Trust had no operations other than matters relating to its organization and registration as a closed-end management investment company under the Investment Company Act of 1940, as amended. The Trust is a diversified fund. The investment objective of the Trust is to provide a high level of current income and the Trust may, as a secondary objective, also seek preservation of capital to the extent consistent with its investment objective of high current income.

On July 3, 2017, Amundi acquired Pioneer Investments, a group of asset management companies located throughout the world. Amundi, one of the world's largest asset managers, is headquartered in Paris, France. As a result of the transaction, Pioneer Investment Management, Inc., the Trust's investment

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

adviser, became an indirect wholly owned subsidiary of Amundi and Amundi's wholly owned subsidiary, Amundi USA, Inc. Prior to July 3, 2017, Pioneer Investments was owned by Pioneer Global Asset Management S.p.A., a wholly owned subsidiary of UniCredit S.p.A.

In connection with the transaction, the names of the Trust's investment adviser and principal underwriter changed. Effective July 3, 2017, the name of Pioneer Investment Management, Inc. changed to Amundi Pioneer Asset Management, Inc. and the name of Pioneer Funds Distributor, Inc. changed to Amundi Pioneer Distributor, Inc.

The Trust's financial statements have been prepared in conformity with U.S. generally accepted accounting principles (U.S. GAAP) that require the management of the Trust to 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 period. Actual results could differ from those estimates.

The Trust is an investment company and follows investment company accounting and reporting guidance under U.S. GAAP. The following is a summary of significant accounting policies followed by the Trust in the preparation of its financial statements:

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 51

A. Security Valuation

The net asset value of the Trust is computed once daily, on each day the New York Stock Exchange (NYSE) is open, as of the close of regular trading on the NYSE.

Fixed income securities are valued by using 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, or may use a pricing matrix or other fair value methods or techniques to provide an estimated value of the security or instrument. A pricing matrix is a means of valuing a debt security on the basis of current market prices for other debt securities, historical trading patterns in the market for fixed income securities and/or other factors. Non-U.S. debt securities that are listed on an exchange will be valued at the bid price obtained from an independent third party pricing service. When independent third party pricing services are unable to supply prices, or when prices or market quotations are considered to be unreliable, the value of that security may be determined using quotations from one or more broker-dealers.

Loan interests are valued in accordance with guidelines established by the Board of Trustees at the mean between the last available bid and asked prices from one or more brokers or dealers as obtained from Loan Pricing Corporation, an independent third party 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.

Event-linked bonds or catastrophe bonds are valued at the bid price obtained from an independent third party pricing service. Other insurance linked securities (including sidecars, collateralized reinsurance and industry loss warranties) may be valued at the bid price obtained from an

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

independent pricing service, or through a third party using a pricing matrix, insurance industry valuation models, or other fair value methods or techniques to provide an estimated value of the instrument.

Equity securities that have traded on an exchange are valued by using 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 asked prices or, if both last bid and asked prices are not available, at the last quoted bid price. Last sale and bid and asked prices are provided by

52 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

independent third party pricing services. In the case of equity securities not traded on an exchange, prices are typically determined by independent third party pricing services using a variety of techniques and methods.

The value of foreign securities is translated in U.S. dollars based on foreign currency exchange rate quotations supplied by a third party pricing source. Trading in non-U.S. equity securities is substantially completed each day at various times prior to the close of the NYSE. The values of such securities used in computing the net asset value of the Trust's shares are determined as of such times. The Trust may use a fair value model developed by an independent pricing service to value non-U.S. equity securities.

Swap agreements, including interest rate swaps, caps and floors (other than centrally cleared swap agreements) are valued at the dealer quotations obtained from reputable International Swap Dealers Association members. Centrally cleared swaps are valued at the daily settlement price provided by the central clearing counterparty.

Shares of open-end registered investment companies (including money market mutual funds) are valued at such funds' net asset value. Repurchase agreements are valued at par. Cash may include overnight time deposits at approved financial institutions.

Securities or loan interests for which independent pricing services or broker-dealers 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 Amundi Pioneer Asset Management, Inc. (Amundi Pioneer), formerly Pioneer Investment Management, Inc. (PIM), the Trust's investment adviser and pursuant to procedures adopted by the Trust's Board of Trustees. Amundi Pioneer's, formerly PIM's, fair valuation team uses fair value methods approved by the Valuation Committee of the Board of Trustees. Amundi Pioneer's, formerly PIM's, fair valuation team is responsible for monitoring developments that may impact fair valued securities and for discussing and assessing fair values 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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 53

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 May 31, 2017, four securities were valued using fair value methods (in addition to securities valued using prices supplied by independent pricing services, broker-dealers or using a third party insurance pricing model) representing 1.0% of net assets. The value of these fair valued securities are \$3,091,769.

B. Investment Income and Transactions

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. 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.

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

Security transactions are recorded as of trade date. Gains and losses on sales of investments are calculated on the identified cost method for both financial reporting and federal income tax purposes.

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

54 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

D. 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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

counterparties to meet the terms of the contracts and from unanticipated movements in the value of foreign currencies relative to the U.S. dollar. During the six months ended May 31, 2017, the Trust did not enter into any forward foreign currency contracts.

E. 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 net taxable income and net realized capital gains, if any, to its shareowners. Therefore, no federal income tax provision is required. As of November 30, 2016, the Trust did not accrue any interest or penalties with respect to uncertain tax positions, which if applicable, would be recorded as an 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.

The amount and character of income and capital gain distributions to shareowners are determined in accordance with federal income tax rules, which may differ from U.S. GAAP. Distributions in excess of net investment income or net realized gains are temporary overdistributions 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.

The tax character of current year distributions payable to shareowners will be determined at the end of the current taxable year.

The tax character of distributions paid to shareowners during the year ended November 30, 2016 was as follows:

	2016
Distributions paid from:	
Ordinary income	\$17,811,485
Total	\$17,811,485

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 55

The following shows the components of distributable earnings (losses) on a federal income tax basis at November 30, 2016:

	2016
Distributable earnings:	
Undistributed ordinary income	\$ 1,826,319
Capital loss carryforward	(124,688,306)
Late year loss deferrals	(1,562,106)
Other book/tax temporary differences	(317,586)
Unrealized depreciation	(3,516,634)

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Total	\$ (128,258,313)
-------	------------------

The difference between book-basis and tax-basis unrealized depreciation is primarily attributable to 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 and discounts on fixed income securities.

F. Insurance-Linked Securities (ILS)

The Trust invests in event-linked bonds. Event-linked bonds are floating rate debt obligations for which the return of principal and the payment of interest are contingent on the non-occurrence of a pre-defined "trigger" event, such as a hurricane or an earthquake of a specific magnitude. The trigger event's magnitude may be based on losses to a company or industry, industry indexes or readings of scientific instruments, or may be based on specified actual losses. If a trigger event occurs, as defined within the terms of an event-linked bond, the Trust may lose a portion or all of its accrued interest and/or principal invested in such event-linked bond. The Trust is entitled to receive principal and interest payments so long as no trigger event occurs of the description and magnitude specified by the instrument. In addition to the specified 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 ILS may include special purpose vehicles ("SPVs") or similar instruments structured to comprise a portion of a reinsurer's catastrophe-oriented business, known as quota share instruments (sometimes referred to as reinsurance sidecars), or to provide reinsurance relating to specific risks to insurance or reinsurance companies through a collateralized instrument, known as collateralized reinsurance. Structured reinsurance investments also may include industry loss warranties ("ILWs"). A traditional ILW takes the form of a bilateral reinsurance contract, but there are also products that take the form of derivatives, collateralized structures, or exchange traded instruments.

56 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Structured reinsurance investments, including quota share instruments, collateralized reinsurance investments and ILWs, generally are subject to the same risks as event-linked bonds. In addition, where the instruments are based on the performance of underlying reinsurance contracts, the Trust has limited transparency into the individual underlying contracts and therefore must rely upon the risk assessment and sound underwriting practices of the issuer. Accordingly, it may be more difficult for Amundi Pioneer's, formerly PIM, to fully evaluate the underlying risk profile of the Trust's structured reinsurance investments and therefore the Trust's assets are placed at greater risk of loss than if Amundi Pioneer's, formerly PIM, had more complete information. Structured reinsurance instruments generally will be considered illiquid securities by the Trust. These securities may be difficult to purchase, sell or unwind. Illiquid securities also may be difficult to value. If the Trust is forced to sell an illiquid asset, the Trust may be forced to sell at a loss.

G. Risks

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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 value of securities held by the Trust may go up or down, sometimes rapidly or unpredictably, due to general market conditions, such as real or perceived adverse economic, political or regulatory conditions, inflation, changes in interest rates, lack of liquidity in the bond markets or adverse investor sentiment. In the past several years, financial markets have experienced increased volatility, depressed valuations, decreased liquidity and heightened uncertainty. These conditions may continue, recur, worsen or spread.

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 57

liquid and more difficult to value, especially during periods of economic uncertainty or change, than higher rated debt securities. Certain securities in which the Trust invests, including floating rate loans, once sold, may not settle for an extended period (for example, several weeks or even longer). The Trust will not receive its sale proceeds until that time, which may constrain the Trust's ability to meet its obligations. 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 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. The Trust's investments in certain foreign markets or countries with limited developing markets may subject the Trust to a greater degree of risk than in a developed market. These risks include disruptive political or economic conditions and the possible imposition of adverse governmental laws or currency exchange restrictions.

Interest rates in the U.S. recently have been historically low, so the Trust faces a heightened risk that interest rates may rise. A general rise in interest rates may cause investors to move out of fixed income securities on a large scale, which could adversely affect the price and liquidity of fixed income securities.

H. Repurchase Agreements

Repurchase agreements are arrangements under which the Trust purchases securities from a broker-dealer or a bank, called the counterparty, upon the agreement of the counterparty to repurchase the securities from the

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Trust at a later date, and at a specific price, which is typically higher than the purchase price paid by the Trust. The securities purchased serve as the Trust's collateral for the obligation of the counterparty to repurchase the securities. The value of the collateral, including accrued interest, is required to be equal to or in excess of the repurchase price. The collateral for all repurchase agreements is held in safekeeping in the customer-only account of the Trust's custodian or a subcustodian of the Trust. Amundi Pioneer's formerly, PIM, is responsible for determining that the value of the collateral remains at least equal to the repurchase price. In the event of a default by the counterparty, the Trust is entitled to sell the securities, but the Trust may not be able to sell them for the price at which they were purchased, thus causing a loss to the Trust. Additionally, if the counterparty becomes insolvent, there is some risk that the Trust will not have a right to the securities, or the immediate right to sell the securities. Open repurchase agreements as of May 31, 2017 are disclosed in the Trust's Schedule of Investments.

58 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

I. Automatic Dividend Reinvestment Plan

All 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 shares of the Trust in lieu of cash. Shareowners may elect not to participate in the Plan. Shareowners not participating in the Plan receive all dividends and capital gain distributions in cash. Participation in the Plan is completely voluntary and may be terminated or resumed at any time without penalty by notifying American Stock Transfer & Trust Company, the agent for shareowners in administering the Plan (the Plan Agent), in writing prior to any dividend record date; otherwise such termination or resumption will be effective with respect to any subsequently declared dividend or other distribution.

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

Whenever the Trust declares a dividend on shares payable in cash, participants in the Plan will receive the equivalent in shares acquired by the Plan Agent either (i) through receipt of additional unissued but authorized shares from the Trust or (ii) by purchase of outstanding shares on the New York Stock Exchange or elsewhere. If, on the payment date for any dividend, the net asset value per 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 shares. The number of newly issued shares to be credited to each account will be determined by dividing the dollar amount of the dividend by the net asset value per 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 share is greater than the market value (market discount), the Plan Agent will invest the dividend amount in shares acquired in open-market purchases. There are no brokerage charges with respect to newly issued 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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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 be able to transfer the shares to another broker and continue to participate in the Plan.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 59

J. Credit Default Swap Agreements

A credit default swap is a contract between a buyer of protection and a seller of protection against a pre-defined credit event on an underlying reference obligation, which may be a single security or a basket or index of securities. The Trust may buy or sell credit default swap agreements to seek to increase the Trust's income, or to attempt to hedge the risk of default on portfolio securities. A credit default swap index is used to hedge risk or take a position on a basket of credit entities or indices. As a seller of protection, the Trust would be required to pay the notional (or other agreed-upon) value of the referenced debt obligation to the counterparty in the event of a default by a U.S. or foreign corporate issuer of a debt obligation, which would likely result in a loss to the Trust. In return, the Trust would receive from the counterparty a periodic stream of payments during the term of the contract provided that no event of default occurred. The maximum exposure of loss to the seller would be the notional value of the credit default swaps outstanding. If no default occurs, the Trust would keep the stream of payments and would have no payment obligation. The Trust may also buy credit default swap agreements in order to hedge against the risk of default of debt securities, in which case the Trust would function as the counterparty referenced above.

When the Trust enters into a credit default swap agreements, the protection buyer makes an upfront or periodic payment to the protection seller in exchange for the right to receive a contingent payment. An upfront payment made by the Trust, as the protection buyer, is recorded as an asset in the Statement of Assets and Liabilities. Periodic payments received or paid by the Trust are recorded as realized gains or losses in the Statement of Operations.

Credit default swap agreements are marked-to-market daily using valuations supplied by independent sources and the change in value, if any, is recorded as unrealized appreciation or depreciation in the Statement of Assets and Liabilities. Payments received or made as a result of a credit event or upon termination of the contract are recognized, net of the appropriate amount of the upfront payment, as realized gains or losses in the Statement of Operations.

Credit default swap agreements involving the sale of protection may involve greater risks than if the Trust had invested in the referenced debt instrument directly. Credit default swap agreements are subject to general market risk, liquidity risk, counterparty risk and credit risk. If the Trust is a protection buyer and no credit event occurs, it will lose its investment. If the Trust is a protection seller and a credit event occurs, the value of the referenced debt

60 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

instrument received by the Trust, together with the periodic payments received, may be less than the amount the Trust pays to the protection buyer, resulting in a loss to the Trust.

Certain swap agreements that are cleared through a central clearinghouse

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

are referred to as centrally cleared swaps. All payments made or received by the Trust are pursuant to a centrally cleared swap agreement with the central clearing party rather than the original counterparty. Upon entering into a centrally cleared swap agreement, the Trust is required to make an initial margin deposit, either in cash or in securities. The daily change in value on open centrally cleared swap agreements is recorded as variation margin on centrally cleared swaps on the Statement of Assets and Liabilities.

The amount of cash deposited with the broker as collateral at May 31, 2017, and is included in "Restricted cash" in the Statement of Assets and Liabilities, was \$200,181.

Open credit default swap agreements at May 31, 2017 are listed in the Schedule of Investments. The average market value of credit default swap agreements open during the six months ended May 31, 2017 was \$167,418.

2. Management Agreement

Amundi Pioneer, formerly PIM, manages the Trust's portfolio. Management fees payable under the Trust's Advisory Agreement with Amundi Pioneer, formerly PIM, are calculated daily at the annual rate of 0.70% 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 six months ended May 31, 2017 the net management fee was 0.70% (annualized) of the Trust's average daily managed assets, which was equivalent to 1.02% (annualized) of the Trust's average daily net assets.

In addition, under Amundi Pioneer, formerly PIM's, management and administration agreements, certain other services and costs are paid by Amundi Pioneer, formerly PIM, and reimbursed by the Trust. At May 31, 2017, \$372,886 was payable to Amundi Pioneer, formerly PIM, related to management costs, administrative costs and certain other services is included in "Due to affiliates" and "Administration fee" on the Statement of Assets and Liabilities.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 61

3. Transfer Agent

American Stock Transfer & Trust Company (AST) serves as the transfer agent with respect to the Trust's shares. The Trust pays AST an annual fee, as is agreed to from time to time by the Trust and AST, for providing such services.

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

4. Additional Disclosures about Derivative Instruments and Hedging Activities

The Trust's use of derivatives subjects it to the following risks:

Interest rate risk relates to the fluctuations in the value of interest-bearing securities due to changes in the prevailing levels of market interest rates.

Credit risk relates to the ability of the issuer of a financial instrument to make further principal or interest payments on an obligation or commitment that

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

it has to the Trust.

Foreign exchange rate risk relates to fluctuations in the value of an asset or liability due to changes in currency exchange rates.

Equity risk relates to the fluctuations in the value of financial instruments as a result of changes in market prices (other than those arising from interest rate risk or foreign exchange risk), whether caused by factors specific to an individual investment, its issuer, or all factors affecting all instruments traded in a market or market segment.

Commodity risk relates to the risk that the value of a commodity or commodity index will fluctuate based on increases or decreases in the commodities market and factors specific to a particular industry or commodity.

The fair value of open derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) by risk exposure at May 31, 2017 was as follows:

----- Statement of Assets and Liabilities -----					
	Interest Rate Risk	Credit Risk	Foreign Exchange Risk	Equity Risk	Commodity Risk

Assets:					
Unrealized					
appreciation on					
centrally cleared					
credit default					
swap agreements	\$--	\$136,661	\$--	\$--	\$--

Total Value	\$--	\$136,661	\$--	\$--	\$--
=====					

62 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

The effect of derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) on the Statement of Operations by risk exposure at May 31, 2017 was as follows:

----- Statement of Operations -----					
	Interest Rate Risk	Credit Risk	Foreign Exchange Risk	Equity Risk	Commodity Risk

Net realized					
gain (loss):					
Swap agreements	\$--	\$38,045	\$--	\$--	\$--

Total Value	\$--	\$38,045	\$--	\$--	\$--
=====					
Change in net					
unrealized					
appreciation					

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

(depreciation) on:					
Swap agreements	\$--	\$22,629	\$--	\$--	\$--

Total Value	\$--	\$22,629	\$--	\$--	\$--
=====					

5. Unfunded Loan Commitments

The Trust may enter into unfunded loan commitments. Unfunded loan commitments may be partially or wholly unfunded. During the contractual period, the Trust is obligated to provide funding to the borrower upon demand. A fee is earned by the Trust on the unfunded commitment and is recorded as interest income in the Statement of Operations.

As of May 31, 2017, the Trust had the following unfunded loan commitments outstanding:

Loan	Principal	Cost	Value	Unrealized Appreciation

CH Hold Corp. (aka Caliber Collision)	\$ 36,364	\$ 36,276	\$ 36,667	\$391
PetSmart, Inc., Bridge Loan	1,250,000	1,250,000	1,250,000	--

Total	\$1,286,364	\$1,286,276	\$1,286,667	\$391
=====				

6. Trust Shares

Transactions in shares of beneficial interest for the six months ended May 31, 2017 and the year ended November 30, 2016 were as follows:

	5/31/17	11/30/16

Shares outstanding at beginning of period	24,738,174	24,738,174

Shares outstanding at end of period	24,738,174	24,738,174
=====		

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 63

7. Credit Agreement

Effective November 26, 2013, the Trust entered into a revolving credit facility (the Credit Agreement) with the Bank of Nova Scotia in the amount of \$160,000,000. The Credit Agreement was established in conjunction with the redemption of all the Trust's auction market preferred shares. Effective November 23, 2016, the Trust extended the maturity of the Credit Agreement to November 22, 2019.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

At May 31, 2017, the Trust had a borrowing outstanding under the Credit Agreement totaling \$143,450,000. The interest rate charged at May 31, 2017 was 2.05%. During the six months ended May 31, 2017, the average daily balance was \$143,450,000 at an average interest rate of 1.84%. Interest expense of \$1,313,073 in connection with the Credit Agreement 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 borrowing outstanding.

8. Subsequent Events

A monthly dividend was declared on June 2, 2017 from undistributed and accumulated net investment income of \$0.0600 per share payable June 30, 2017, to shareowners of record on June 15, 2017.

64 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

ADDITIONAL INFORMATION

Change in Independent Registered Public Accounting Firm

Prior to July 3, 2017 Pioneer Investment Management, Inc. (the "Adviser"), the Trust's investment adviser, was an indirect, wholly owned subsidiary of UniCredit S.p.A. ("UniCredit"). On that date, UniCredit completed the sale of its Pioneer Investments business, which includes the Adviser, to Amundi (the "Transaction"). As a result of the Transaction, the Adviser became an indirect, wholly-owned subsidiary of Amundi. Amundi is controlled by Credit Agricole S.A. Amundi is headquartered in Paris, France, and, as of September 30, 2016, had more than \$1.1 trillion in assets under management worldwide.

Deloitte & Touche LLP ("D&T"), the Trust's previous independent registered public accounting firm, informed the Audit Committee and the Board that it would no longer be independent with respect to the Trust upon the completion of the Transaction as a result of certain services being provided to Amundi and Credit Agricole, and, accordingly, that it intended to resign as the Trust's independent registered public accounting firm upon the completion of the Transaction. D&T's resignation was effective on July 3, 2017, when the Transaction was completed.

During the periods as to which D&T has served as the Trust's independent registered public accounting firm, including the Trust's two most recent fiscal years preceding the fiscal year ended June 30, 2017, D&T's reports on the Trust's financial statements 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. Further, there have been no disagreements with D&T on any matter of accounting principles or practices, financial statement disclosure, or auditing scope or procedure, which, if not resolved to the satisfaction of D&T, would have caused D&T 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 of the kind described in Item 304(a)(1)(v) of Regulation S-K under the Securities Exchange Act of 1934.

Effective immediately following the completion of the Transaction on July 3, 2017, the Board, acting upon the recommendation of the Audit Committee, engaged a new independent registered public accounting firm, Ernst & Young LLP ("EY"),

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

for the Trust's fiscal year ended June 30, 2017.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 65

Prior to its engagement, EY had advised the Trust's Audit Committee that EY had identified the following matters, in each case relating to services rendered by other member firms of Ernst & Young Global Limited, all of which are located outside the United States, to UniCredit and certain of its subsidiaries during the period commencing July 1, 2016, that it determined to be inconsistent with the auditor independence rules set forth by the Securities and Exchange Commission ("SEC"): (a) project management support services to UniCredit in the Czech Republic, Germany, Italy, Serbia and Slovenia in relation to twenty-two projects, that were determined to be inconsistent with Rule 2-01(c)(4)(vi) of Regulation S-X (management functions); (b) two engagements for UniCredit in Italy where fees were contingent/success based and that were determined to be inconsistent with Rule 2-01(c)(5) of Regulation S-X (contingent fees); (c) four engagements where legal and expert services were provided to UniCredit in the Czech Republic and Germany, and twenty engagements where the legal advisory services were provided to UniCredit in Austria, Czech Republic, Italy and Poland, that were determined to be inconsistent with Rule 2-01(c)(4)(ix) and (x) of Regulation S-X (legal and expert services); and (d) two engagements for UniCredit in Italy involving assistance in the sale of certain assets, that were determined to be inconsistent with Rule 2-01(c)(4)(viii) of Regulation S-X (broker-dealer, investment advisor or investment banking services). None of the foregoing services involved the Trust, any of the other funds in the Pioneer Family of Funds or any other Pioneer entity sold by UniCredit in the Transaction.

EY advised the Audit Committee that it had considered the matters described above and had concluded that such matters would not impair EY's ability to exercise objective and impartial judgment in connection with the audits of the financial statements of the Trust under the SEC and Public Company Accounting Oversight Board independence rules, and that a reasonable investor with knowledge of all relevant facts and circumstances would reach the same conclusion. Management and the Audit Committee considered these matters and discussed the matters with EY and, based upon EY's description of the matters and statements made by EY, Management and the Audit Committee believe that EY will be capable of exercising objective and impartial judgment in connection with the audits of the financial statements of the Trust, and Management further believes that a reasonable investor with knowledge of all relevant facts and circumstances would reach the same conclusion.

66 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Approval of New and Interim Management Agreements

Amundi Pioneer Asset Management, Inc. (Amundi Pioneer), formerly Pioneer Investment Management, Inc., serves as the investment adviser to Pioneer Floating Rate Trust (the Trust) pursuant to an investment management agreement between Amundi Pioneer and the Trust.

On July 3, 2017, Amundi acquired Pioneer Investments, a group of asset management companies located throughout the world (the "Transaction"). As a result of the Transaction, Amundi Pioneer became an indirect wholly-owned subsidiary of Amundi and Amundi's wholly-owned subsidiary, Amundi USA, Inc. Prior to July 3, 2017, Pioneer Investments was owned by Pioneer Global Asset Management S.p.A. ("PGAM"), a wholly-owned subsidiary of UniCredit S.p.A. ("UniCredit").

Under the Investment Company Act of 1940, the Trust's current investment

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

management agreement (the "Current Management Agreement") terminated automatically upon the consummation of the Transaction. In order for Amundi Pioneer to continue to manage the Trust after the consummation of the Transaction, the Trustees and shareholders of the Trust were required to approve a new investment management agreement for the Trust (the "New Management Agreement"). As discussed below, the Board of Trustees of the Trust approved the New Management Agreement at a meeting held on March 6-7, 2017. The New Management Agreement was approved by the shareholders of the Trust at a meeting held on June 13, 2017. The Board of Trustees of the Trust also approved an interim investment management agreement between Amundi Pioneer and the Trust (the "Interim Management Agreement") at the March 6-7, 2017 meeting. The Interim Management Agreement would have taken effect upon the closing of the Transaction in the event that the shareholders of the Trust did not approve the New Management Agreement.

Board Evaluation of the New and Interim Management Agreements

The Board evaluated the Transaction and the New Management Agreement and Interim Management Agreement for the Trust. In connection with their evaluation of the Transaction and the New Management Agreement for the Trust, the Trustees requested such information as they deemed reasonably necessary, including: (a) the structure of the Transaction and the strategy underlying the Transaction; (b) the anticipated benefits of the Transaction to the Trust and its shareholders; (c) the post-Transaction plans for Amundi Pioneer, including Amundi's plans for integration of Pioneer Investments and Amundi Pioneer with its existing asset management businesses and plans for the future development of Amundi Pioneer; (d) the effect of the Transaction on the ongoing services provided to the Trust, including the need to select a new independent registered public accounting firm for the Trust, and any

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 67

plans to modify the operations of the Trust; (e) the stability and continuity of Amundi Pioneer's management and key employees, including compensation and benefits to Amundi Pioneer's key employees, and retention plans and incentive plan structure; (f) the post-Transaction indebtedness and financial resources of Amundi Pioneer; (g) Amundi's legal and operational structure, its principal shareholders and senior management, its investment management, risk management, administrative, legal and compliance functions; (h) certain regulatory matters relating to Amundi's affiliates; and (i) Amundi's commitment to the United States, including the role of Amundi Pioneer in the larger Amundi business.

The Trustees also requested and obtained the following information in connection with their evaluation of the Transaction and the New Management Agreement for the Trust: (i) memoranda provided by Fund counsel that summarized the legal standards and other considerations that are relevant to the Trustees in their deliberations regarding the New Management Agreement; (ii) the qualifications of the investment management teams for the Trust, as well as the level of investment by the Trust's portfolio managers in the Trust; (iii) the Trust's management fees and total expense ratios, the financial statements of Amundi Pioneer and its pre- and post-Transaction parent companies, profitability analyses from Amundi Pioneer, and analyses from Amundi Pioneer as to possible economies of scale; (iv) the profitability of the institutional business of Amundi Pioneer and Amundi Pioneer's affiliate, Pioneer Institutional Asset Management, Inc. ("PIAM") as compared to that of Amundi Pioneer's fund management business; and (v) the differences between the fees and expenses of the Trust and the fees and expenses of Amundi Pioneer's and PIAM's institutional accounts, as well as the different services provided by Adviser to the Trust and by Amundi Pioneer and PIAM to the institutional accounts. In addition, the Trustees considered the information provided at regularly scheduled meetings throughout the year regarding the Trust's performance and risk attributes,

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

including through meetings with investment management personnel, and took into account other information related to the Trust provided to the Trustees at regularly scheduled meetings. The Trustees also considered information they had received in their review of the continuance of the Current Management Agreement for the Trust in September 2016.

At meetings held on January 9, 2017 and January 10, 2017, the Trustees met with representatives of Amundi and PGAM, including separate meetings of the Trustees who are not "interested persons" of the Fund Complex ("Independent Trustees") and counsel with representatives of Amundi and PGAM, and subsequently with representatives of Amundi. In those meetings, they received an extensive presentation from the representatives of Amundi, including the chief executive officer of Amundi, describing Amundi's background and history, its global asset management activities, the growth of

68 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

its business, and its status as the largest asset management firm in Europe and one of the largest globally; its capital structure and financial resources, including information as to the financing of the Transaction; its principal investors, including its majority investor Credit Agricole S.A., and Credit Agricole's long-term commitment to the asset management business; the philosophy and strategy underlying the Transaction and the complementarity of Amundi's and Pioneer Investments' respective asset management businesses; Amundi's various operating and investment committees and how they would likely interact with Amundi Pioneer; the proposed integration process, including the progress to date and the establishment of various integration work streams; Amundi's plans for management of Amundi Pioneer; Amundi's philosophy as to compensation of key employees and its general intentions with respect to incentive plans for key employees of Amundi Pioneer; Amundi's preliminary plans to achieve cost and other synergies; and opportunities to further develop the business of Amundi Pioneer and PIAM, including in the area of institutional asset management, and how that would benefit shareholders of the Pioneer Funds.

In those meetings, the representatives of Amundi confirmed their intention that the Chief Executive Officer and Chief Investment Officer of Amundi Pioneer would remain in their current positions, and confirmed that they do not currently foresee major changes in the day-to-day investment management operations of Amundi Pioneer with respect to the Trust as a direct result of the Transaction. They discussed incentive arrangements for key personnel that would continue after the closing of the Transaction and their plans to establish a new long-term incentive plan following the closing. They also generally discussed ways in which Amundi Pioneer could potentially draw on the expanded global resources of Amundi post-Transaction. At those meetings, the Independent Trustees identified certain areas to which they requested further information, including as to trading and execution of securities transactions, research and portfolio management and potential changes in investment process, particularly where asset classes managed by Amundi Pioneer would overlap with asset classes managed by Amundi, the continued availability of resources currently at Pioneer Investments or elsewhere within Amundi to assist in management of certain Funds, and any anticipated significant changes in operations. The Independent Trustees considered the uncertainty as to whether the Trust's independent registered public accounting firm could continue to act in that capacity after the closing of the Transaction. The Independent Trustees also met with counsel to review the information they had received to date and to discuss next steps.

Subsequently, the Trustees received further information from Amundi, including written responses to questions raised by the Independent Trustees, and received from Amundi Pioneer the information requested of it. The Independent Trustees reviewed the information provided with counsel at

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 69

telephonic meetings held on February 16, 2017 and February 27, 2017. The Trustees held a special in-person Board meeting on March 6-7, 2017 for further consideration of the New Management Agreements, the Interim Management Agreements and the Transaction. The Trustees met again with senior executives of Amundi at the March 6-7, 2017 meeting.

At the March 6-7, 2017 meeting, based on their evaluation of the information provided by Amundi Pioneer and Amundi, the Trustees including the Independent Trustees voting separately, approved the New Management Agreement and the Interim Management Agreement for the Trust. In considering the New Management Agreement for the Trust, the Trustees considered various factors that they determined were relevant, including the factors described below. The Trustees did not identify any single factor as the controlling factor in their determinations. The Trustees considered the same factors with respect to the Interim Management Agreement for the Trust.

Nature, Extent and Quality of Services

The Trustees considered the nature, extent and quality of the services that had been provided by Amundi Pioneer to the Trust and that are expected to be provided by Amundi Pioneer to the Trust following the consummation of the Transaction. The Trustees reviewed the terms of the New Management Agreement, and noted that such terms are substantially similar to the terms of the Current Management Agreement, except for different execution dates, effective dates and termination dates. The Trustees reviewed Amundi Pioneer's investment approach for the Trust and its research process. The Trustees considered the resources of Amundi Pioneer and the personnel of Amundi Pioneer who provide investment management services to the Trust. They also reviewed the amount of non-investment resources and personnel of Amundi Pioneer that are involved in Amundi Pioneer's services to the Trust, including Amundi Pioneer's compliance and legal resources and personnel. The Trustees noted the substantial attention and high priority given by Amundi Pioneer's senior management to the Pioneer Fund complex.

The Trustees considered that Amundi Pioneer supervises and monitors the performance of the Trust's service providers and provides the Trust with personnel (including Fund officers) and other resources that are necessary for the Trust's business management and operations and that Amundi Pioneer would continue to provide those investment management and research services and resources to the Trust following the consummation of the Transaction. The Trustees also considered that, as administrator, Amundi Pioneer would continue to be responsible for the administration of the Trust's business and other affairs. The Trustees considered the fees to be paid to Amundi Pioneer for the provision of administration services.

70 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

The Trustees considered that Deloitte & Touche LLP informed the Board that it would no longer be independent with respect to the Trust upon the completion of the Transaction and, accordingly, that it would be necessary for the Board to engage a new independent registered public accounting firm for the Trust.

The Trustees considered that the Transaction was not expected to have a material adverse impact on the nature, scope and overall quality of services provided to the Trust and its shareholders, including investment management, risk management, administrative, compliance, legal and other services, as a result of the Transaction.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

In that regard, the Trustees considered that Amundi is one of the largest asset managers globally, and that Amundi Pioneer may have access to additional research and portfolio management capabilities as a result of the Transaction and that Amundi Pioneer, as part of Amundi, is expected to have an enhanced global presence that may contribute to an increase in the overall scale and resources of Amundi Pioneer. Furthermore, in considering whether the Transaction would be expected to have a material adverse impact on the nature, scope and overall quality of services provided to the Trust and its shareholders, the Trustees considered the statements by representatives of Amundi that they expect the Chief Executive Officer and Chief Investment Officer of Amundi Pioneer to remain in their current positions and that they do not currently foresee major changes in the day-to-day investment management operations of Amundi Pioneer as a direct result of the Transaction, or the risk management, legal or compliance services provided by Amundi Pioneer, with respect to the Trust. They further considered the current incentive arrangements for key personnel of Amundi Pioneer that would continue after the closing of the Transaction. They also noted Amundi's stated intention to establish a new long-term incentive plan following the closing.

The Trustees also took into account their experience in evaluating the proposed combination of Pioneer Investments and Santander Asset Management, which was announced in September, 2014 and abandoned in July, 2016. In light of, among other things, this experience, the Trustees determined that they were not able to identify any realistic alternatives to approving the New Management Agreement that would provide the level of services to the Trust and its shareholders that are expected to be provided by Amundi Pioneer after the closing of the Transaction.

Based on these considerations, the Trustees concluded that the nature, extent and quality of services that Amundi Pioneer would continue to provide to the Trust under the New Management Agreement would be satisfactory and consistent with the terms of the New Management Agreement.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 71

Performance of the Trust

In considering the Trust's performance, the Trustees regularly reviewed and discussed throughout the year data prepared by Amundi Pioneer and information comparing the Trust's performance with the performance of its peer group of funds, as classified by each of Morningstar, Inc. (Morningstar) and Lipper, and the performance of the Trust's benchmark index. They also discussed the Trust's performance with Amundi Pioneer on a regular basis.

The Trustees' regular reviews and discussions were factored into the Trustees' deliberations concerning the approval of the New Management Agreement.

Management Fee and Expenses

The Trustees noted that the stated management fees to be paid by the Trust are identical under the Current Management Agreement and the New Management Agreement. The Trustees considered information showing the fees and expenses of the Trust in comparison to the management fees and expense ratios of its peer group of funds as classified by Morningstar and also to 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. In all quintile rankings referred to below, first quintile is most favorable to the Trust's shareowners. To the extent applicable, the Trustees also considered the impact of transfer agency, sub-transfer agency, and other non-management fee expenses on the expense ratios of the Trust. The Trustees

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

noted that they separately review the Trust's transfer agency, sub-transfer agency and intermediary arrangements and that the results of the most recent such review were considered in the consideration of the Trust's expense ratio.

The Trustees considered that the Trust's management fee (based on managed assets) as of September 30, 2016 was in the first quintile relative to the management fees paid by other funds in its Strategic Insight peer group for the comparable period. The Trustees considered that the expense ratio (based on managed assets) of the Trust's common shares as of September 30, 2016 was in the first quintile relative to its Strategic Insight peer group for the comparable period.

The Trustees reviewed management fees charged by Amundi Pioneer and PIAM to institutional and other clients, including publicly offered European funds sponsored by Amundi Pioneer's affiliates, unaffiliated U.S. registered investment companies (in a sub-advisory capacity), and unaffiliated foreign and domestic separate accounts. The Trustees also considered Amundi Pioneer's costs in providing services to the Trust and Amundi Pioneer's and PIAM's costs in providing services to the other clients and considered the

72 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

differences in management fees and profit margins for fund and non-fund services. In evaluating the fees associated with Amundi Pioneer's and PIAM's client accounts, the Trustees took into account the respective demands, resources and complexity associated with the Trust and other 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 both the Current Management Agreement and the New Management Agreement, Amundi Pioneer would perform 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 risks associated with Amundi Pioneer's management of the Trust and Amundi Pioneer's and PIAM's management of the other client accounts.

The Trustees concluded that the management fee payable by the Trust to Amundi Pioneer was reasonable in relation to the nature and quality of the services to be provided by Amundi Pioneer.

Profitability

The Trustees considered information provided by Amundi Pioneer regarding the profitability of Amundi Pioneer with respect to the advisory services provided by Amundi Pioneer to the Trust, including the methodology used by Amundi Pioneer in allocating certain of its costs to the management of the Trust. The Trustees also considered Amundi Pioneer's profit margin in connection with the overall operation of the Trust. They further reviewed the financial results, including the profit margins, realized by Amundi Pioneer and PIAM from non-fund businesses. The Trustees considered Amundi Pioneer'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 Amundi Pioneer's profitability with respect to the management of the Trust was not unreasonable.

Economies of Scale

The Trustees considered Amundi Pioneer's views relating to economies of scale in connection with the Pioneer Funds as fund assets grow and the extent to which

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

any such economies of scale are shared with the Trust and Fund shareholders. The Trustees recognize that economies of scale are difficult to identify and quantify, and that, among other factors that may be relevant, are the following: fee levels, expense subsidization, investment by Amundi Pioneer in research and analytical capabilities and Amundi Pioneer's commitment and resource allocation to the Trust. The Trustees noted that profitability also may

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 73

be an indicator of the availability of any economies of scale, although profitability may vary for other reasons including due to reductions in expenses. The Trustees concluded that economies of scale, if any, were being appropriately shared with the Trust.

Other Benefits

The Trustees considered the other benefits that Amundi Pioneer enjoys from its relationship with the Trust. The Trustees considered the character and amount of fees paid or to be paid by the Trust, other than under the Current Management Agreement or the New Management Agreement, for services provided by Amundi Pioneer and its affiliates. The Trustees further considered the revenues and profitability of Amundi Pioneer's businesses other than the Fund business. To the extent applicable, the Trustees also considered the benefits to the Trust and to Amundi Pioneer and its affiliates from the use of "soft" commission dollars generated by the Trust to pay for research and brokerage services.

The Trustees considered that following the completion of the Transaction, Amundi Pioneer will be the principal U.S. asset management business of Amundi, and that Amundi's worldwide asset management business will manage over \$1.38 trillion in assets (including the Pioneer Funds). This may create opportunities for Amundi Pioneer, PIAM and Amundi that derive from Amundi Pioneer's relationships with the Trust, including Amundi's ability to market the services of Amundi Pioneer globally. The Trustees noted that Amundi Pioneer may have access to additional research capabilities as a result of the Transaction and Amundi's enhanced global presence that may contribute to an increase of the overall scale of Amundi Pioneer. The Trustees considered that Amundi Pioneer and the Trust are expected to receive reciprocal intangible benefits from the relationship, including mutual brand recognition and, for the Trust, direct and indirect access to the resources of a large global asset manager. The Trustees concluded that any such benefits received by Amundi Pioneer as a result of its relationship with the Trust were reasonable.

Conclusion

After consideration of the factors described above as well as other factors, the Trustees, including the Independent Trustees, concluded that the New Management Agreement and the Interim Management Agreement for the Trust, including the fees payable thereunder, were fair and reasonable and voted to approve the New Management Agreement and the Interim Management Agreement, and to recommend that shareholders approve the New Management Agreement.

74 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

Trustees, Officers and Service Providers

Trustees

Thomas J. Perna, Chairman
David R. Bock
Benjamin M. Friedman
Margaret B.W. Graham

Officers

Lisa M. Jones, President and Chief
Executive Officer
Mark E. Bradley, Treasurer and
Chief Financial Officer

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Lisa M. Jones
Lorraine H. Monchak
Marguerite A. Piret
Fred J. Ricciardi
Kenneth J. Taubes

Christopher J. Kelley, Secretary and
Chief Legal Officer

Investment Adviser and Administrator
Amundi Pioneer Asset Management, Inc., formerly Pioneer Investment
Management, Inc.

Custodian and Sub-Administrator
Brown Brothers Harriman & Co.

Principal Underwriter
Amundi Pioneer Distributor, Inc., formerly Pioneer Funds Distributor, Inc.

Legal Counsel
Morgan, Lewis & Bockius LLP

Transfer Agent
American Stock Transfer & Trust Company

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 www.amundipioneer.com. This information is also available on the Securities and Exchange Commission's web site at www.sec.gov.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/17 75

This page is for your notes.

76 Pioneer Floating Rate Trust | Semiannual Report | 5/31/17

How to Contact Amundi Pioneer

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

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

Account Information 1-800-710-0935

Or write to AST:

For

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

Write to

American Stock
Transfer & Trust
Operations Center
6201 15th Ave.
Brooklyn, NY 11219

Dividend reinvestment plan (DRIP)

American Stock
Transfer & Trust
Wall Street Station
P.O. Box 922
New York, NY 10269-0560

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

Website www.amstock.com

For additional information, please contact your investment advisor or visit our web site www.amundipioneer.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] Amundi Pioneer
=====

ASSET MANAGEMENT

Amundi Pioneer Asset Management, Inc.
60 State Street
Boston, MA 02109
www.amundipioneer.com

Securities offered through Amundi Pioneer Distributor, Inc.
60 State Street, Boston, MA 02109
Underwriter of Pioneer Mutual Funds, Member SIPC
(C) 2017 Amundi Pioneer Asset Management 19389-11-0717

ITEM 2. CODE OF ETHICS.

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

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

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

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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

(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 and explain the manner in which such request may be made.
See Item 10(2)

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

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

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

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

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

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

Not applicable.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

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

N/A

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

N/A

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

N/A

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

N/A

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

PIONEER FUNDS

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

SECTION I - POLICY PURPOSE AND APPLICABILITY

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

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

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

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

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

SECTION II - POLICY

SERVICE CATEGORY	SERVICE CATEGORY DESCRIPTION	SPECIFIC PRE-APPROVED SERVICE SUBCATEGORIES
I. AUDIT SERVICES	Services that are directly related to performing the independent audit of the Funds	<ul style="list-style-type: none">o Accounting research assistanceo SEC consultation, registration statements, and reportingo Tax accrual related matterso Implementation of new accounting standards

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

II.
AUDIT-RELATED
SERVICES

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

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

AUDIT COMMITTEE APPROVAL POLICY

AUDIT COMMITTEE
REPORTING POLICY

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

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

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

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

- o Specific approval is needed to exceed the pre-approved dollar limit for these services (see general Audit Committee approval policy below for details on obtaining specific approvals)

- o Specific approval is needed to use the Fund's auditors for Audit-Related Services not denoted as

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

"pre-approved", or
to add a specific service
subcategory as "pre-approved"

SECTION III - POLICY DETAIL, CONTINUED

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

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

SECTION III - POLICY DETAIL, CONTINUED

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

AUDIT COMMITTEE APPROVAL POLICY	AUDIT COMMITTEE REPORTING POLICY
<ul style="list-style-type: none"> o "One-time" pre-approval for the fund fiscal year within a specified dollar limit o Specific approval is needed to exceed the pre-approved dollar limits for these services (see general Audit Committee approval policy below for details on obtaining specific approvals) o Specific approval is needed to use the Fund's auditors for "Synergistic" or "Unique Qualifications" Other Services not denoted as pre-approved to the left, or to add a specific service subcategory as "pre-approved" 	<ul style="list-style-type: none"> o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly.

SECTION III - POLICY DETAIL, CONTINUED

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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:

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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

N/A

(f) If greater than 50 percent, disclose the percentage of hours expended on the principal 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.

N/A

(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.

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

ITEM 5. AUDIT COMMITTEE OF LISTED REGISTRANTS

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

N/A

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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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.

Not applicable to open-end management investment companies.

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.

Not applicable to open-end management investment companies.

ITEM 9. PURCHASES OF EQUITY SECURITIES BY CLOSED-END MANAGEMENT INVESTMENT COMPANY AND AFFILIATED PURCHASERS.

(a) If the registrant is a closed-end management investment company, in the following tabular format, provide the information specified in paragraph (b) of this Item with respect to any purchase made by or on behalf of the registrant or any affiliated purchaser, as defined in Rule 10b-18(a)(3) under the Exchange Act (17 CFR 240.10b-18(a)(3)), of shares or other units of any class of the registrant's equity securities that is registered by the registrant pursuant to Section 12 of the Exchange Act (15 U.S.C. 781).

Not applicable to open-end management investment companies.

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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 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

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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.

(Registrant) Pioneer Floating Rate Trust

By (Signature and Title)* /s/ Lisa M. Jones
Lisa M. Jones, President & Chief Executive Officer

Date July 28, 2017

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/ Lisa M. Jones
Lisa M. Jones, President & Chief Executive Officer

Date July 28, 2017

Edgar Filing: Pioneer Floating Rate Trust - Form N-CSRS

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

Date July 28, 2017

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