

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

Pioneer Floating Rate Trust
Form N-CSR
July 29, 2016

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

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

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED
MANAGEMENT INVESTMENT COMPANIES

Investment Company Act file number 811-21654

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, 2015 through May 31, 2016

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

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

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

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

ITEM 1. REPORTS TO STOCKHOLDERS.

Pioneer Floating
Rate Trust

Semiannual Report | May 31, 2016

Ticker Symbol: PHD

[LOGO] PIONEER
Investments (R)

visit us: us.pioneerinvestments.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 | 42 |
| Financial Highlights | 46 |
| Notes to Financial Statements | 48 |
| Trustees, Officers and Service Providers | 62 |

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 1

President's Letter

Dear Shareowner,

The first half of 2016 has featured some remarkable twists and turns in the global economy. The year began on shaky footing as surging market volatility brought about by fears of weaker global economic growth as well as falling oil prices depressed returns for investors. In the US, both equity and fixed-income markets declined significantly through the first six weeks of the year, only to recover the losses by the end of the first quarter when market sentiment shifted, due in part to accommodative monetary policies from the world's central banks.

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

Midway through the first quarter, for example, the US Federal Reserve System (the Fed) backed off plans to raise interest rates four times in 2016, and the European Central Bank announced a more comprehensive asset-purchasing program in the hopes of encouraging lending, and boosting both inflation and economic growth. The markets responded with a solid rally. By the end of May, in fact, US equities, as measured by the Standard & Poor's 500 Index, had generated a solid year-to-date (YTD) return of 3.55%, and the YTD return (as of 5/31/16) of the Barclays Aggregate Bond Index, a common measure of the US fixed-income market, was 3.45%.

As markets began to settle down, the Brexit vote - the vote confirming that the United Kingdom (UK) would exit the European Union (EU) - surprised many, and the rollercoaster ride began once again. The market sold off sharply in the first few days after the vote, then rallied as investors sought bargains created by the initial post-Brexit sell-off, and as more, less ominous information about the implications of the Brexit results came to light.

From a macroeconomic perspective, Pioneer believes the negative economic impact of Brexit on the US should be more limited compared with its effects on the UK and Europe. However, we expect reduced global demand due to a higher level of uncertainty and risk aversion among investors. While the spillover effects on the US economy are unclear, we think it possible that, in the event of a significant negative economic impact, the Fed might consider other monetary policy options. Globally, we believe that central banks are ready to act and that their initial focus will be to stabilize the markets and provide liquidity, if needed.

While the Brexit vote is now official, the expectation is that the actual process of separating the UK from the EU could take at least two years. Only in the next several months may we begin to see signs of what path Europe will follow as it adapts to the reality of an EU without one of its most prominent members. Over the medium-term, however, we believe uncertainties over the future of Europe and central banks' reactions will likely dominate financial markets, and we believe the news flow surrounding Brexit will continue to weigh on riskier assets. Competing for headlines, too, is the current financial condition of many European banks. Ultimately, we think that the political and monetary policy responses will be the major variables when it comes to managing an orderly

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

Brexit. In addition, as the second half of 2016 gets underway, we continue to see central bank policies as generally supportive of the US economy -- for which we maintain an expectation of modest growth this year.

Aside from the Brexit-caused uncertainties, economies around the world in both developed and emerging markets are experiencing deep structural changes. Current challenges include incomplete debt deleveraging in both emerging and developed markets, where debt levels continue to grow, the transition of many emerging markets economies from export/investment-driven models to more domestic demand-driven models, and aging populations, which are reducing productivity and limiting economic growth potential (primarily in the developed markets but also in emerging markets such as China). Geopolitical instability on many fronts, the rising risk of policy mistakes, and market liquidity issues combine to increase the possibility of sharp swings in asset values. Meanwhile, in the US, as always in a presidential election year, the political rhetoric of 2016 has the potential to impact domestic sectors such as health care.

Throughout Pioneer's history, we have believed in the importance of active management. During periods of market volatility, we view the value of active

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

management as even more compelling. Our experienced and tenured investment teams focus 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

Lisa M. Jones
President and CEO
Pioneer Investment Management USA Inc.
May 31, 2016

Any information in this shareowner report regarding market or economic trends or the factors influencing the Fund'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 | 5/31/16 3

Portfolio Management Discussion | 5/31/16

Floating-rate bank loan investments rallied over the latter half of the six-month period ended May 31, 2016, which resulted in the asset class producing healthy, positive returns for the full six months. 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 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, 2016?

A Pioneer Floating Rate Trust returned 3.60% at net asset value and 6.59% at market price during the six-month period ended May 31, 2016, while the Trust's benchmark, the Barclays US High Yield Loans Index (the Barclays Index), returned 3.81% at net asset value. Unlike the Trust, the Barclays 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 22 closed end funds in Lipper's Loan Participation Funds category (which may or may not be leveraged) was 7.60%.

The shares of the Trust were selling at a 9.41% discount to net asset value on May 31, 2016.

The Trust's standard, 30-day SEC yield was 5.37% at the end of the six-month period on May 31, 2016*.

Q How would you describe the investment environment for bank loans during the six-month period ended May 31, 2016?

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

A It was a difficult market for floating-rate bank loans - as well as for credit-sensitive investments in general - over the first half of the six-month period. The challenging environment that predominated for most of 2015 persisted, an environment in which credit-sensitive investments had fallen into disfavor amid growing investor worries about the health of the world economy. Several factors drove the downturn in the prices of credit-sensitive securities, including falling prices of oil and other basic commodities, evidence of slowing economic growth in China, and a resurgent debt crisis in Greece that raised concerns about the prospects for the wider European economy.

Given that backdrop, floating-rate loans, as measured by the Barclays Index, posted negative total returns over the first half of the six-month period (from December 2015 through February 2016). In March, however, loan

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

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

prices bounced back sharply as oil prices stabilized and began to rise, with the recovery continuing over the following two months. News that the Chinese government's fiscal policies were becoming more accommodative in the hopes of spurring economic growth also buoyed the loan market, as did the more dovish stance adopted by the US Federal Reserve System (the Fed) - at least for the short term - with regard to further tightening of domestic monetary policy. The Fed began its tightening cycle by raising the Federal funds rate by 0.25% in December of 2015, but then indicated a more cautious approach as the global economy and the capital markets got off to a rocky start in early 2016.

After losing ground in the first half of the period, the Trust's benchmark, the Barclays Index, generated a 6.12% return over the final three months, and finished the six months with a return of 3.81%.

Q Which of your investment decisions had the biggest effects on the Trust's benchmark-relative performance during the six-month period ended May 31, 2016?

A Consistent with our traditional approach of favoring a somewhat higher-quality portfolio in comparison with the makeup of the Barclays Index, the Trust's return at net asset value outperformed the benchmark during the market decline from December through February, but slightly lagged the benchmark's return during the rally in the second half of the period. Over the first five months of 2016, single B-rated loans in the Barclays Index have returned almost 1.25% more than those rated BB, while credits rated CCC have returned roughly 6.25% more than BBs. These figures underscore how lower-quality "risk-on" assets have outperformed the rest of the loan market of late, a factor that detracted from the Trust's benchmark-relative performance in the second half of the six-month period.

The biggest positive contributors to the Trust's absolute performance during the period were holdings in consumer cyclicals and consumer non-cyclicals. On the other hand, holdings in the insurance and energy sectors detracted from the Trust's returns. Energy loans benefited from increases in oil prices only toward the end of the period, thus limiting the positive offset to energy's poor performance earlier in the period.

In comparison with the Barclays Index, the Trust's modest overweights to the industrials and basic industries sectors, and a moderate overweight to

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

capital goods made the largest positive contributions to benchmark-relative performance during the six-month period. Security selection drove the Trust's better benchmark-relative performance in the industrials and basic industries sectors, while sector allocation/weighting drove stronger relative performance in capital goods.

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

The biggest detractors from the Trust's benchmark-relative performance during the period were moderate underweights to technology, consumer cyclicals, and communications (broadcasting, papers, cable, telecom). In addition to the underweight allocations, security selection results also detracted from the Trust's benchmark-relative performance in both consumer cyclicals and communications.

In other asset classes, the Trust's performance was helped by the portfolio's allocations to high-yield corporate bonds, equities, and event-linked bonds issued by property casualty insurers (each asset class representing less than 2% of the Trust's total Investment portfolio).

Individual positions in the portfolio that detracted from the Trust's benchmark-relative performance during the period included loans to energy corporations EP Energy, a gas company that has felt the effects of low natural gas prices, and Dixie Electric, which provides electrical services to oil-drilling rigs. Other underperformers that detracted from benchmark-relative results included loans to Endemol, a producer of reality television shows, and to managed-care health insurer Medical Card Systems.

Individual positions that aided the Trust's benchmark-relative returns during the six-month period included loans to Securus, a telephone company specializing in service to prisons and other correctional facilities; to Fortescue, an iron-ore mining corporation; to Jonah Energy, an oil and gas production company; and to Laureate, a for-profit higher-education corporation.

Q How did the level of leverage in the Trust change over the six-month period ended May 31, 2016?

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

At the end of the 6-month period on May 31, 2016, 32.0% of the Trust's total managed assets were financed by leverage (or borrowed funds), compared with 33.1% of the Trust's total managed assets financed by leverage at the start of the period on December 1, 2015. During the 6-month period, the Trust reduced the borrowing from the credit facility by a total of \$7 million to \$143 million as of May 31, 2016. Due to the overall decline in prices of bank loans during the period, a reduction in the overall borrowing on the credit line was necessary in order to maintain the asset coverage requirements specified by the credit agreement. The percentage of the Trust's managed assets financed by leverage decreased during the period due to the reduction of borrowings.

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

Q Did the Trust invest in any derivative securities during the six-month period ended May 31, 2016? If so, did those investments have an effect on performance?

A Yes, the Trust had a small exposure to Markit CDX (a high-yield credit-

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

default-swap index) during the period. We made the investment to increase portfolio liquidity, and the position did not have a material impact on the Trust's benchmark-relative performance.

Q What factors affected the Trust's distributions to shareholders during the six-month period ended May 31, 2016?

A The Trust's distributions remained stable during the six-month period. Shareholders should be aware, however, that the Trust's distributions could be negatively affected as older loans with higher yields are called back by issuers and subsequently refinanced by loans with lower yields. In addition, the Trust drew on accumulated net investment income in paying its dividend during the period, but these reserves will be depleted over time.

Q What is your investment outlook?

A As the second half of the Trust's fiscal year began in early June, investors keenly awaited two events likely to have an effect on the overall bond market: the referendum vote on "Brexit," to determine whether the UK should leave the European Union, and the Fed's next move with regard to interest rates. The subsequent vote in support of Brexit that occurred after period end has added volatility to the market, although we do not expect it to have a major, longer-term effect on the domestic bank-loan market. In early June, the Fed put off any immediate tightening of monetary policy in the US when it left the Federal funds rate unchanged in the wake of a disappointing May jobs report. In that report, the US Department of Labor reported that monthly non-farm payrolls had increased by just 38,000 in May, a stark difference from the 160,000 increase anticipated by the markets.

It appears the current market consensus is that the Fed will likely act cautiously, perhaps raising rates only once or twice during the remainder of 2016, with any actions to tighten monetary policy based on the US central bank's assessment of the strength of the domestic economy.

Despite getting off to a slow start in the first quarter, during which gross domestic product (GDP) growth fell short of 1%, we still believe US GDP should be able to grow at a moderate pace of 2.00% to 2.25% in 2016. Poor sales figures and a slowdown in capital spending - both tied to weakness in the energy markets - played a role in the disappointing GDP numbers in the first quarter; however, we still see persuasive evidence that the domestic economy is strengthening. Even after the sluggish employment numbers for May, new-job creation continues and employment growth has been solid overall. (May's job numbers were eventually revised even lower, to 11,000,

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 7

but the picture was much rosier in June, as the Bureau of Labor Statistics reported that non-farm payrolls increased by a seasonally adjusted 287,000 for the month.) Meanwhile, household formation and new-home construction figures have been encouraging, and we are beginning to see early signs of wage inflation.

While interest-rate hikes tend to be a problem for fixed-rate securities in general, they can actually lead to improved performance for floating-rate securities, as their rates can reset upward. In addition, floating-rate loans, at current prices, have the potential for price appreciation. Currently, about two-thirds of all floating-rate loans are priced either at discounts to par (face) value, or at par value. We believe the prices of these securities have the opportunity to move higher, especially given the

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

shortage of new-loan supply in today's market.

Going forward, we will continue to monitor carefully the factors that can affect the performance of floating-rate investments, including supply and demand, the strength of the economy, and the interest-rate outlook. We continue to believe floating-rate loans, at current prices, offer attractive investment value, especially when compared with more traditional income-oriented investment alternatives, such as bond funds, which are more vulnerable to price pressures in a rising-rate environment.

Please refer to the Schedule of Investments on pages 13-41 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.

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.

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

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.

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

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

conditions.

These risks may increase share price volatility.

Any information in this shareholder 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 | 5/31/16 9

Portfolio Summary | 5/31/16

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 | 91.1% |
| Corporate Bonds & Notes | 3.7% |
| Collateralized Loan Obligations | 1.9% |
| Treasury Bill | 0.8% |
| Exchange-Traded Funds | 0.7% |
| Commercial Paper | 0.7% |
| U.S. Government and Agency Obligations | 0.6% |
| Common Stocks | 0.3% |
| Repurchase Agreements | 0.2% |

* Includes investments in Insurance Linked Securities totaling 0.9% of total investment portfolio.

10 Largest Holdings

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

| | |
|---|-----|
| 1. Bright Horizons Family Solutions LLC, Term B Loan, 3.75%, 1/30/20 | 0.7 |
| 2. Telesat Canada, US Term B-2 Loan, 3.5%, 3/28/19 | 0.7 |
| 3. McGraw-Hill Global Education Holdings LLC, First Lien Term B Loan, 5.0%, 5/4/22 | 0.6 |
| 4. Scientific Games International, Inc., Initial Term B-2 Loan, 6.0%, 10/1/21 | 0.6 |
| 5. American Airlines, Inc., 2015 New Term Loan, 3.25%, 6/27/20 | 0.6 |
| 6. Allison Transmission, Inc., Term Loan B-3, 3.5%, 8/23/19 | 0.6 |
| 7. Affinion Group, Inc., Tranche B Term Loan, 6.75%, 4/30/18 | 0.6 |
| 8. Evergreen Skills Lux S.a.r.l., First Lien Initial Term Loan, 5.75%, 4/28/21 | 0.6 |
| 9. Altice US Finance I Corp. (Cequel Communications, LLC), Initial Term Loan, 4.25%, 12/14/22 | 0.5 |

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

10. Nord Anglia Education Finance LLC, Initial Term Loan, 5.0%, 3/31/21

0.5

** 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 | 5/31/16

Prices and Distributions | 5/31/16

Market Value per Common Share

| | 5/31/16 | 11/30/15 |
|--------------|---------|----------|
| Market Value | \$11.17 | \$10.83 |
| (Discount) | (9.41)% | (11.95)% |

Net Asset Value per Common Share

| | 5/31/16 | 11/30/15 |
|-----------------|---------|----------|
| Net Asset Value | \$12.33 | \$12.30 |

Distributions per Common Share:* 12/1/15-5/31/16

| | Short-Term Capital Gains | Long-Term Capital Gains |
|--------------------------|-----------------------------|----------------------------|
| Net Investment Income | \$ -- | \$ -- |
| \$0.36 | | |

Yields

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

| | 5/31/16 | 11/30/15 |
|------------------|---------|----------|
| 30-day SEC Yield | 5.37% | 5.39% |

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

- * The amount of distributions made to shareowners during the period was 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 this accumulated net investment income was distributed to shareowners during the period. A decrease in distributions may have a negative effect on the market value of the Trust's shares.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 11

Performance Update | 5/31/16

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 Barclays U.S. High Yield Loans Index, an unmanaged index which measures the performance of high-yield loans.

Average Annual Total Returns
(As of May 31, 2016)

| | Net Asset Value (NAV) | Market Price | Barclays U.S. High Yield Loans Index |
|----------|--------------------------------|-----------------|--|
| 10 Years | 4.37% | 3.89% | 4.62% |
| 5 Years | 5.44 | 2.15 | 3.80 |
| 1 Year | 2.21 | 2.11 | 0.65 |

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

Value of \$10,000 Investment

| | Pioneer Floating Rate Trust | Barclays U.S. High Yield Loans Index |
|------|--------------------------------|---|
| 5/06 | \$ 10,000 | \$ 10,000 |
| 5/07 | \$ 12,128 | \$ 10,768 |
| 5/08 | \$ 9,990 | \$ 10,551 |
| 5/09 | \$ 6,740 | \$ 9,654 |

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

| | | |
|------|-----------|-----------|
| 5/10 | \$ 10,516 | \$ 11,907 |
| 5/11 | \$ 13,166 | \$ 13,036 |
| 5/12 | \$ 12,914 | \$ 13,306 |
| 5/13 | \$ 14,877 | \$ 14,529 |
| 5/14 | \$ 14,322 | \$ 15,147 |
| 5/15 | \$ 14,343 | \$ 15,604 |
| 5/16 | \$ 14,646 | \$ 15,706 |

Call 1-800-225-6292 or visit us.pioneerinvestments.com for the most recent month-end performance results. Current performance may be lower or higher than the performance data quoted.

Performance data shown represents past performance. Past performance is no guarantee of future results. Investment return and market price will fluctuate, and your shares may trade below NAV, due to such factors as interest rate changes, and the perceived credit quality of borrowers.

Total investment return does not reflect broker sales charges or commissions. All performance is for 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.

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

Schedule of Investments | 5/31/16 (unaudited)

| Principal Amount USD (\$) | | Value |
|---------------------------------|--|------------|
| | SENIOR SECURED FLOATING RATE LOAN | |
| | INTERESTS -- 132.3% of Net Assets*(a) | |
| | AUTOMOBILES & COMPONENTS -- 6.9% | |
| | Auto Parts & Equipment -- 5.6% | |
| 2,844,582 | Allison Transmission, Inc., Term Loan B-3, 3.5%, 8/23/19 | \$ 2,854,8 |
| 2,376,000 | BBB Industries US Holdings, Inc., First Lien Initial Term Loan, 6.0%, 11/3/21 | 2,376,2 |
| 1,886,830 | Cooper Standard Intermediate Holdco 2 LLC, Term | |

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

| | | |
|-----------|---|-------------|
| | Loan, 4.0%, 4/4/21 | 1,890,5 |
| 1,014,320 | Electrical Components International, Inc., Term Loan B, 5.75%, 5/28/21 | 1,015,5 |
| 1,684,917 | Federal-Mogul Corp., Tranche C Term Loan, 4.75%, 4/15/21 | 1,599,9 |
| 912,595 | Gates Global LLC, Initial Dollar Term Loan, 4.25%, 7/6/21 | 882,9 |
| 1,674,500 | Key Safety Systems, Inc., Initial Term Loan, 4.75%, 8/29/21 | 1,680,7 |
| 1,642,227 | MPG Holdco I, Inc., Initial Term Loan, 3.75%, 10/20/21 | 1,643,6 |
| 1,148,200 | TI Group Automotive Systems LLC, Initial US Term Loan, 4.5%, 6/30/22 | 1,153,9 |
| 2,052,144 | Tower Automotive Holdings USA LLC, Refinancing Term Loan, 4.0%, 4/23/20 | 2,047,0 |
| | | \$ 17,145,6 |
| | | |
| | Automobile Manufacturers -- 0.8% | |
| 1,885,645 | Chrysler Group LLC, Term Loan B, 3.5%, 5/24/17 | \$ 1,888,8 |
| 466,667 | Visteon Corp., Initial Term Loan, 3.5%, 4/9/21 | 466,3 |
| | | \$ 2,355,1 |
| | | |
| | Tires & Rubber -- 0.5% | |
| 1,500,000 | Goodyear Tire & Rubber Co., Second Lien Term Loan, 3.75%, 4/30/19 | \$ 1,503,5 |
| | Total Automobiles & Components | \$ 21,004,3 |
| | | |
| | BANKS -- 0.3% | |
| | Thrifts & Mortgage Finance -- 0.3% | |
| 1,034,718 | Ocwen Loan Servicing, Initial Term Loan, 5.5%, 2/15/18 | \$ 1,014,6 |
| | Total Banks | \$ 1,014,6 |
| | | |
| | CAPITAL GOODS -- 15.3% | |
| | Aerospace & Defense -- 4.9% | |
| 1,323,822 | Accudyne Industries Borrower SCA/Accudyne Industries LLC, Refinancing Term Loan, 4.0%, 12/13/19 | \$ 1,207,9 |
| 1,240,625 | Allion Science and Technology Corp., First Lien Term Loan, 5.5%, 8/19/21 | 1,209,6 |
| 1,571,455 | BE Aerospace, Inc., Term Loan, 3.75%, 12/16/21 | 1,584,2 |
| 350,687 | DAE Aviation Holdings, Inc., Initial Term Loan, 5.25%, 7/7/22 | 350,6 |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 13

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Principal Amount USD (\$) | | Value |
|---------------------------|---|------------|
| | | |
| 1,987,249 | Aerospace & Defense -- (continued) Digitalglobe, Inc., Term Loan, 4.75%, 1/31/20 | \$ 2,000,4 |

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

| | | |
|---|--|-------------|
| 1,364,470 | DynCorp International, Inc., Term Loan, 7.0%, 7/7/16 | 1,350,8 |
| 247,529 | IAP Worldwide Services, Inc., First Lien Term Loan, 8.0%, 7/18/19 | 245,9 |
| 894,673 | TASC, Inc., First Lien New Term Loan, 7.0%, 5/22/20 | 896,5 |
| 869,965 | TASC, Inc., First Lien Term Loan, 7.0%, 5/22/20 | 871,7 |
| 1,857,250 | Turbocombustor Technology, Inc., Initial Term Loan, 5.5%, 12/2/20 | 1,671,5 |
| 1,486,791 | Vencore, Inc. (fka SI Organization, Inc.), First Lien Initial Term Loan, 5.75%, 11/23/19 | 1,486,1 |
| 1,801,672 | WP CPP Holdings LLC, First Lien Term B-3 Loan, 4.5%, 12/28/19 | 1,752,1 |
| 334,900 | WP CPP Holdings LLC, Second Lien Term Loan B-1, 8.75%, 4/30/21 | 294,7 |
| | | \$ 14,922,6 |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 15%;">1,165,000</div> <div style="width: 70%;"> Building Products -- 3.7% Armstrong World Industries, Inc., Term Loan B, 4.0%, 3/31/23 </div> <div style="width: 15%; text-align: right;">\$ 1,169,3</div> </div> | | |
| 1,741,979 | Builders FirstSource, Inc., Term Loan B, 6.0%, 7/29/22 | 1,746,8 |
| 364,466 | NCI Building Systems, Inc., Tranche B Term Loan, 4.25%, 6/24/19 | 362,8 |
| 1,649,554 | Nortek, Inc., Incremental-1 Term Loan, 3.5%, 10/30/20 | 1,634,0 |
| 1,870,313 | Quanex Building Products Corp., Initial Term Loan, 6.25%, 11/2/22 | 1,877,3 |
| 1,472,673 | Quikrete Holdings, Inc., Initial First Lien Loan, 4.0%, 9/28/20 | 1,474,6 |
| 1,697,175 | Summit Materials LLC, Restatement Effective Date Term Loan, 4.0%, 7/18/22 | 1,702,7 |
| 1,448,004 | Unifrax Holding Co., New Term B Dollar Loan, 4.25%, 11/28/18 | 1,409,9 |
| | | \$ 11,377,9 |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 15%;">442,920</div> <div style="width: 70%;"> Construction Machinery & Heavy Trucks -- 1.3% Doosan Infracore International, Inc. (Doosan Holdings Europe, Ltd.), Tranche B Term Loan, 4.5%, 5/28/21 </div> <div style="width: 15%; text-align: right;">\$ 443,7</div> </div> | | |
| 1,107,692 | Manitowoc Co., Inc., Term B Loan, 5.75%, 3/3/23 | 1,118,5 |
| 1,611,900 | Navistar, Inc., Tranche B Term Loan, 6.5%, 8/7/20 | 1,532,3 |
| 843,096 | Terex Corp., US Term Loan, 3.5%, 8/13/21 | 836,7 |
| | | \$ 3,931,3 |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 15%;">1,961,122</div> <div style="width: 70%;"> Electrical Components & Equipment -- 1.3% Pelican Products, Inc., First Lien Term Loan, 5.25%, 4/10/20 </div> <div style="width: 15%; text-align: right;">\$ 1,887,5</div> </div> | | |
| 585,841 | Southwire Company LLC, Initial Term Loan, 3.0%, 2/10/21 | 578,5 |

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

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

Principal
Amount
USD (\$)

Value

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

| | | |
|---|---|-------------|
| | Electrical Components & Equipment -- (continued) | |
| 1,558,846 | WireCo WorldGroup, Inc., Term Loan, 6.0%, 2/15/17 | \$ 1,544,8 |
| | | \$ 4,010,9 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Industrial Conglomerates -- 1.3% | |
| 258,602 | Faenza Acquisition GmbH (CeramTec Acquisition Corp.), Dollar Term B-3 Loan, 4.25%, 8/30/20 | \$ 259,0 |
| 847,379 | Faenza Acquisition GmbH (CeramTec Acquisition Corp.), Initial Dollar Term B-1 Loan, 4.25%, 8/30/20 | 848,7 |
| 91,955 | Faenza Acquisition GmbH (CeramTec Acquisition Corp.), Initial Dollar Term B-2 Loan, 4.25%, 8/30/20 | 92,0 |
| 995,458 | Filtration Group Corp., First Lien Term Loan, 4.25%, 11/23/20 | 997,2 |
| 429,508 | Filtration Group Corp., Second Lien Initial Term Loan, 8.25%, 11/22/21 | 423,6 |
| 167,917 | Kleopatra Holdings 2 SCA, Initial German Borrower Dollar Term Loan, 5.0%, 4/28/20 | 168,7 |
| 392,925 | Kleopatra Holdings 2 SCA, Initial US Borrower Dollar Term Loan, 5.0%, 4/28/20 | 394,8 |
| 927,161 | Milacron LLC, Term Loan, 4.25%, 9/28/20 | 928,3 |
| | | \$ 4,112,4 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Industrial Machinery -- 2.2% | |
| 872,771 | Gardner Denver, Inc., Initial Dollar Term Loan, 4.25%, 7/30/20 | \$ 809,3 |
| 1,975,000 | Mueller Water Products, Inc., Initial Term Loan, 4.0%, 11/24/21 | 1,987,7 |
| 1,741,250 | NN, Inc., Initial Term Loan, 5.75%, 10/19/22 | 1,741,2 |
| 453,096 | Schaeffler AG, Facility B-USD, 4.25%, 5/15/20 | 456,3 |
| 1,579,084 | Xerium Technologies, Inc., New Term Loan, 6.25%, 5/17/19 | 1,577,1 |
| | | \$ 6,571,8 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Trading Companies & Distributors -- 0.6% | |
| 1,181,693 | AWAS Finance Luxembourg 2012 SA, Term Loan, 3.5%, 7/16/18 | \$ 1,186,1 |
| 711,169 | WESCO Distribution, Inc., Tranche B-1 Loan, 3.75%, 12/12/19 | 712,7 |
| | | \$ 1,898,8 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Total Capital Goods | \$ 46,826,0 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | COMMERCIAL & PROFESSIONAL SERVICES -- 6.0% | |
| | Diversified Support Services -- 1.8% | |
| 802,645 | DH Publishing LP, Term B-3 Loan, 4.0%, 8/19/22 | \$ 803,1 |
| 1,062,334 | InfoGroup, Inc., Term Loan B, 7.0%, 5/28/18 | 1,034,4 |
| 702,545 | KAR Auction Services, Inc., Tranche B-2 Term Loan, 3.938%, 3/11/21 | 706,4 |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 15

Schedule of Investments | 5/31/16 (unaudited) (continued)

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

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|---------------------|
| | Diversified Support Services -- (continued) | |
| 563,047 | Language Line LLC, First Lien Initial Term Loan, 6.5%, 7/7/21 | \$ 565,5 |
| 1,497,916 | Language Line LLC, Second Lien Initial Term Loan, 10.75%, 7/7/22 | 1,497,9 |
| 962,500 | Ryan LLC, Tranche B Term Loan, 6.75%, 8/7/20 | 950,4 |
| | | ----- \$ 5,557,9 |
| | Environmental & Facilities Services -- 2.3% | |
| 566,079 | ADS Waste Holdings, Inc., Initial Tranche B-2 Term Loan, 3.75%, 10/9/19 | \$ 565,4 |
| 500,000 | Infiltrator Systems Integrated LLC, Second Lien Term Loan, 9.75%, 5/26/23 | 495,0 |
| 874,185 | US Ecology, Inc., Term Loan, 3.75%, 6/17/21 | 877,4 |
| 737,550 | Waste Industries USA, Inc., Initial Term Loan, 4.25%, 2/27/20 | 742,1 |
| 609,985 | Wastequip LLC, Term Loan, 5.5%, 8/9/19 | 609,9 |
| 1,746,350 | WCA Waste Corp. (WCA Waste Systems, Inc.), Term Loan, 4.0%, 3/23/18 | 1,749,6 |
| 472,941 | Wheelabrator Technologies, Inc., First Lien Term B Loan, 5.0%, 12/17/21 | 469,9 |
| 21,073 | Wheelabrator Technologies, Inc., First Lien Term C Loan, 5.0%, 12/17/21 | 20,9 |
| 1,500,000 | Wheelabrator Technologies, Inc., Second Lien Term B Loan, 8.25%, 12/19/22 | 1,419,3 |
| | | ----- \$ 6,949,9 |
| | Human Resource & Employment Services -- 0.2% | |
| 602,970 | On Assignment, Inc., Initial Term B Loan, 3.75%, 6/3/22 | \$ 605,9 |
| | Security & Alarm Services -- 1.7% | |
| 996,958 | Allied Security Holdings LLC, Second Lien Closing Date Term Loan, 4.25%, 2/12/21 | \$ 997,3 |
| 177,423 | Garda Security, Term B Delayed Draw Loan, 5.5%, 11/6/20 | 175,4 |
| 802,663 | Garda Security, Term B Loan, 5.5%, 11/6/20 | 793,8 |
| 1,157,673 | GEO Group, Inc., Term Loan, 3.25%, 4/3/20 | 1,158,3 |
| 1,058,021 | Monitronics International, Inc., 2013 Term Loan B, 4.25%, 3/23/18 | 1,034,8 |
| 1,114,450 | Protection One, Inc., 2012 Term Loan, 5.5%, 7/1/21 | 1,120,3 |
| | | ----- \$ 5,280,3 |
| | Total Commercial & Professional Services | \$ 18,394,3 |
| | CONSUMER DURABLES & APPAREL -- 2.4% | |
| | Home Furnishings -- 0.6% | |
| 1,867,406 | Serta Simmons Holdings LLC, Term Loan, 4.25%, 10/1/19 | \$ 1,873,6 |

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

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

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

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|------------|
| | Housewares & Specialties -- 1.5% | |
| 924,386 | Prestige Brands, Inc., Term B-3 Loan, 5.25%, 9/3/21 | \$ 928,3 |
| 2,219,391 | Reynolds Group Holdings, Inc., Incremental US Term Loan, 4.5%, 12/1/18 | 2,230,3 |
| 1,486,545 | World Kitchen LLC, US Term Loan, 5.5%, 3/4/19 | 1,487,4 |
| | | \$ 4,646,1 |
| | Leisure Products -- 0.3% | |
| 329,028 | Bombardier Recreational Products, Inc., Term B Loan, 3.75%, 1/30/19 | \$ 330,1 |
| 406,250 | Marine Acquisition Corp., Term Loan, 5.25%, 1/30/21 | 405,5 |
| | | \$ 735,6 |
| | Total Consumer Durables & Apparel | \$ 7,255,5 |
| | CONSUMER SERVICES -- 10.0% | |
| | Casinos & Gaming -- 1.5% | |
| 840,007 | CityCenter Holdings LLC, Term B Loan, 5.75%, 10/16/20 | \$ 844,0 |
| 794,750 | Eldorado Resorts, Inc., Initial Term Loan, 4.25%, 7/25/22 | 797,3 |
| 2,975,625 | Scientific Games International, Inc., Initial Term B-2 Loan, 6.0%, 10/1/21 | 2,955,1 |
| | | \$ 4,596,5 |
| | Education Services -- 3.1% | |
| 3,414,060 | Bright Horizons Family Solutions LLC, Term B Loan, 3.75%, 1/30/20 | \$ 3,433,7 |
| 1,741,250 | KC MergerSub, Inc., First Lien Initial Term Loan, 6.0%, 8/12/22 | 1,741,2 |
| 1,704,454 | Laureate Education, Inc., Series 2018 Extended Term Loan, 5.0%, 6/15/18 | 1,660,4 |
| 2,518,645 | Nord Anglia Education Finance LLC, Initial Term Loan, 5.0%, 3/31/21 | 2,509,2 |
| | | \$ 9,344,6 |
| | Hotels, Resorts & Cruise Lines -- 0.7% | |
| 555,921 | Hilton Worldwide Finance LLC, Initial Term Loan, 3.5%, 10/26/20 | \$ 558,2 |
| 518,438 | NCL Corp., Ltd., Term B Loan, 4.0%, 11/19/21 | 519,4 |
| 965,081 | Sabre, Inc., Term B Loan, 4.0%, 2/19/19 | 969,1 |
| | | \$ 2,046,7 |
| | Leisure Facilities -- 1.7% | |
| 850,457 | Cedar Fair LP, US Term Facility, 3.25%, 3/6/20 | \$ 855,0 |
| 2,169,050 | Fitness International LLC, Term B Loan, 5.5%, 7/1/20 | 2,157,3 |

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

| | | |
|-----------|--|------------|
| 866,738 | Life Time Fitness, Inc., Closing Date Term Loan, 4.25%, 6/10/22 | 864,4 |
| 1,488,750 | Six Flags Theme Parks, Inc., Tranche B Term Loan, 5.25%, 6/30/22 | 1,494,5 |
| | | \$ 5,371,3 |

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

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

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Principal Amount USD (\$) | | Value |
|---|--|-------------|
| <hr style="border-top: 1px dashed black;"/> | | |
| | Restaurants -- 2.1% | |
| 753,245 | 1011778 BC Unlimited Liability Co. (New Red Finance, Inc.) (aka Burger King/Tim Hortons), Term B-2 Loan, 3.75%, 12/10/21 | \$ 755,9 |
| 2,066,991 | Landry's, Inc. (fka Landry's Restaurants, Inc.), Term Loan B, 4.0%, 4/24/18 | 2,072,4 |
| 1,742,136 | NPC International, Inc., Term Loan, 4.75%, 12/28/18 | 1,744,3 |
| 1,970,000 | Red Lobster Management LLC, First Lien Initial Term Loan, 6.25%, 7/28/21 | 1,970,0 |
| | | \$ 6,542,7 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Specialized Consumer Services -- 0.9% | |
| 2,468,750 | Creative Artists Agency LLC, Initial Term Loan, 5.5%, 12/17/21 | \$ 2,478,0 |
| 381,842 | Weight Watchers International, Inc., Initial Tranche B-2 Term Loan, 4.0%, 4/2/20 | 282,2 |
| | | \$ 2,760,2 |
| Total Consumer Services | | \$ 30,662,3 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | DIVERSIFIED FINANCIALS -- 3.3% | |
| | Asset Management & Custody Banks -- 0.5% | |
| 1,502,537 | Vistra Group Ltd., USD Term Loan, 4.75%, 10/26/22 | \$ 1,479,9 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Consumer Finance -- 0.5% | |
| 1,372,000 | Trans Union LLC, Term B-2 Loan, 3.5%, 4/9/21 | \$ 1,373,7 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Investment Banking & Brokerage -- 0.9% | |
| 1,188,909 | Duff & Phelps Corp., Initial Term Loan, 4.75%, 4/23/20 | \$ 1,186,4 |
| 731,250 | Guggenheim Partners Investment Management Holdings LLC, Initial Term Loan, 4.25%, 7/22/20 | 735,2 |
| 104,243 | LPL Holdings, Inc., 2021 Tranche B Term Loan, 4.25%, 3/29/21 | 104,1 |
| 744,375 | MJ Acquisition Corp., Term Loan, 4.0%, 6/1/22 | 747,1 |
| | | \$ 2,772,9 |

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

| | | | |
|-----------|---|----|---------|
| 325,000 | Other Diversified Financial Services -- 1.0% | | |
| 789,576 | Delos Finance S.a.r.l., Term Loan, 3.5%, 3/6/21 | \$ | 326,6 |
| 1,993,625 | Fly Funding II S.a.r.l., Term Loan, 3.5%, 8/9/19 | | 789,0 |
| | Livingston International, Inc., First Lien Initial Term B-1 Loan, 5.0%, 4/18/19 | | 1,869,0 |
| | | \$ | 2,984,7 |
| 1,240,625 | Specialized Finance -- 0.4% | | |
| | DBRS, Ltd., Initial Term Loan, 6.25%, 3/4/22 | \$ | 1,235,1 |
| | Total Diversified Financials | \$ | 9,846,5 |
| 783,333 | ENERGY -- 2.9% | | |
| | Coal & Consumable Fuels -- 0.0%+ | | |
| | PT Bumi Resources Tbk, Term Loan, 18.0%, 11/4/16 | \$ | 186,6 |

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

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

| Principal Amount USD (\$) | | Value |
|---------------------------|---|------------|
| 997,449 | Integrated Oil & Gas -- 0.6% | |
| 1,416,322 | Seadrill Operating LP (Seadrill Partners Finco LLC), Initial Term Loan, 4.0%, 2/21/21 | \$ 479,6 |
| | TerraForm AP Acquisition Holdings LLC, Term Loan, 5.0%, 6/27/22 | 1,285,3 |
| | | \$ 1,764,9 |
| 2,500,000 | Oil & Gas Drilling -- 0.7% | |
| 407,662 | Jonah Energy LLC, Second Lien Initial Term Loan, 7.5%, 5/12/21 | \$ 1,956,2 |
| | Pacific Drilling SA, Term Loan, 4.5%, 6/3/18 | 136,2 |
| | | \$ 2,092,4 |
| 1,651,480 | Oil & Gas Equipment & Services -- 0.3% | |
| | FR Dixie Acquisition Corp., Term Loan, 5.75%, 12/18/20 | \$ 800,9 |
| 403,942 | Oil & Gas Exploration & Production -- 0.5% | |
| 670,982 | EP Energy LLC, Tranche B-3 Term Loan, 3.5%, 5/24/18 | 331,7 |
| | Penn Products Terminals LLC, Tranche B Term Loan, 4.75%, 4/13/22 | 657,5 |
| 498,737 | TPF II Power LLC (TPF II Covert Midco LLC), Term Loan, 5.5%, 10/2/21 | 499,8 |
| | | \$ 1,489,1 |
| 903,025 | Oil & Gas Refining & Marketing -- 0.5% | |
| | Pilot Travel Centers LLC, 2016 Refinancing Tranche B | |

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

| | | |
|-----------|---|---|
| 568,708 | Term Loan, 2.75%, 5/25/23 Western Refining, Inc., Term Loan 2013, 5.25%, 11/12/20 | \$ 906,9 564,0 ----- \$ 1,471,0 |
| | | |
| 1,000,000 | Oil & Gas Storage & Transportation -- 0.3% Energy Transfer Equity LP, 2013 Term Loan, 3.25%, 12/2/19 | \$ 968,7 ----- \$ 8,774,0 |
| | | |
| 1,714,463 | FOOD & STAPLES RETAILING -- 2.7% Drug Retail -- 0.6% Hearthside Group Holdings LLC, Term Loan, 4.5%, 6/2/21 | \$ 1,712,7 ----- \$ 4,033,7 |
| | | |
| 694,505 | Food Distributors -- 1.3% CTI Foods Holding Co., LLC, First Lien Term Loan, 4.5%, 6/29/20 | \$ 691,0 ----- 917,5 ----- 2,425,2 ----- \$ 4,033,7 |
| 1,000,000 | CTI Foods Holding Co., LLC, Second Lien Term Loan, 8.25%, 6/28/21 | |
| 2,431,331 | Mill US Acquisition, First Lien Term Loan, 5.0%, 7/3/20 | |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 19

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Principal Amount USD (\$) | | Value |
|---------------------------------|--|--|
| | | |
| 1,970,088 | Food Retail -- 0.8% Albertson's LLC, Term B-2 Loan, 5.5%, 3/21/19 | \$ 1,973,6 494,9 ----- \$ 2,468,6 ----- \$ 8,215,1 |
| 492,524 | Packers Holdings LLC, Term Loan, 5.0%, 12/2/21 | |
| | | |
| Total Food & Staples Retailing | | |
| | | |
| 820,971 | FOOD, BEVERAGE & TOBACCO -- 3.4% Packaged Foods & Meats -- 3.4% AdvancePierre Foods, Inc., First Lien Term Loan, 5.75%, 7/10/17 | \$ 823,2 ----- 1,091,5 ----- 463,6 ----- 753,3 ----- 1,245,4 ----- 997,0 ----- 1,420,0 |
| 1,087,465 | AdvancePierre Foods, Inc., Second Lien Term Loan, 9.5%, 10/10/17 | |
| 461,511 | AdvancePierre Foods, Inc., Term Loan, 3.75%, 5/26/23 | |
| 1,000,000 | Del Monte Foods, Inc., Second Lien Initial Term Loan, 8.25%, 8/18/21 | |
| 1,246,638 | Dole Food Co., Inc., Tranche B Term Loan, 4.5%, 11/1/18 | |
| 997,500 | JBS USA LLC, Incremental Term Loan, 4.0%, 10/30/22 | |
| 1,420,000 | Maple Holdings Acquisition Corp. (aka Keuring | |

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

| | | |
|-----------|---|-------------|
| | Green Mountain, Inc.), Term Loan B, 5.25%, 3/3/23 | 1,426,8 |
| 1,945,801 | Pinnacle Foods Finance LLC, New Term Loan G, 3.25%, 4/29/20 | 1,950,1 |
| 294,279 | Post Holdings, Inc., Series A Incremental Term Loan, 3.75%, 6/2/21 | 296,5 |
| 1,477,500 | Shearer's Foods LLC, First Lien Term Loan, 4.938%, 6/30/21 | 1,455,3 |
| | Total Food, Beverage & Tobacco | \$ 10,503,1 |
| | HEALTH CARE EQUIPMENT & SERVICES -- 12.5% | |
| | Health Care Equipment -- 0.3% | |
| 862,415 | Kinetic Concepts, Inc., Dollar E-1 Term Loan, 4.5%, 5/4/18 | \$ 863,4 |
| | Health Care Facilities -- 3.1% | |
| 423,938 | Acadia Healthcare Co., Inc., Tranche B-2 Term Loan, 4.5%, 2/16/23 | \$ 426,6 |
| 687,750 | AmSurg Corp., Initial Term Loan, 3.5%, 7/16/21 | 689,9 |
| 264,935 | CHS/Community Health Systems, Inc., Incremental 2018 Term F Loan, 3.924%, 12/31/18 | 264,7 |
| 280,279 | CHS/Community Health Systems, Inc., Incremental 2019 Term G Loan, 3.75%, 12/31/19 | 275,4 |
| 515,705 | CHS/Community Health Systems, Inc., Incremental 2021 Term H Loan, 4.0%, 1/27/21 | 508,8 |
| 1,568,438 | Iasis Healthcare LLC, Term B-2 Loan, 4.5%, 5/3/18 | 1,573,0 |
| 1,717,563 | Kindred Healthcare, Inc., Incremental Term Loan, 4.25%, 4/9/21 | 1,719,7 |
| 1,075,000 | Quorum Health Corp., Term Loan, 6.75%, 4/29/22 | 1,076,0 |

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

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

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|------------|
| | Health Care Facilities -- (continued) | |
| 418,152 | Select Medical Corp., Series E, Tranche B Term Loan, 6.0%, 6/1/18 | \$ 418,9 |
| 1,000,000 | Select Medical Corp., Series F, Tranche B Term Loan, 6.0%, 3/3/21 | 1,008,1 |
| 1,500,000 | Vizient, Inc., Initial Term Loan, 6.25%, 2/13/23 | 1,515,3 |
| | | \$ 9,476,7 |
| | Health Care Services -- 6.2% | |
| 982,500 | Aegis Toxicology Sciences Corp., Initial First Lien Term Loan, 5.5%, 2/24/21 | \$ 900,2 |
| 1,112,996 | Alliance Healthcare Services, Inc., Initial Term Loan, 4.25%, 6/3/19 | 1,079,6 |
| 266,287 | Ardent Legacy Acquisitions, Inc. (Ardent Mergeco LLC), Term Loan, 6.5%, 8/4/21 | 267,2 |
| 616,197 | Bioscrip, Inc., Initial Term B Loan, 6.5%, 7/31/20 | 580,6 |
| 369,718 | Bioscrip, Inc., Term Loan, 6.5%, 7/31/20 | 348,3 |

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

| | | |
|---------------|--|---------|
| 865,683 | BSN Medical Luxembourg Holding S.a.r.l. (P & F Capital), Facility Term Loan B-1A, 4.0%, 8/28/19 | 863,5 |
| 1,283,733 (b) | CCS Medical, Inc., Second Lien Term Loan, 12.5% (12.5% PIK 0% Cash), 5/1/18 | 224,6 |
| 873,427 | DaVita HealthCare Partners, Inc., Term Loan B2, 3.5%, 6/24/21 | 879,9 |
| 1,160,877 | Emergency Medical Services Corp., Initial Term Loan, 4.25%, 5/25/18 | 1,164,3 |
| 473,813 | Envision Healthcare Corp. (fka Emergency Medical Services Corp.), Tranche B-2 Term Loan, 4.5%, 10/28/22 | 476,3 |
| 1,473,750 | Genex Holdings, Inc., First Lien Term B Loan, 5.25%, 5/28/21 | 1,461,7 |
| 347,375 | Genoa, Healthcare Co., LLC, Initial First Lien Term Loan, 4.5%, 4/29/22 | 348,2 |
| 746,250 | Global Healthcare Exchange LLC, Initial Term Loan, 5.5%, 8/15/22 | 747,6 |
| 992,500 | HC Group Holdings III, Inc., Initial Term Loan, 6.0%, 4/7/22 | 993,7 |
| 1,247,050 | National Mentor Holdings, Inc., Tranche B Term Loan, 4.25%, 1/31/21 | 1,249,1 |
| 352,888 | National Surgical Hospitals, Inc., Term Loan, 4.5%, 6/1/22 | 351,3 |
| 689,521 | NVA Holdings, Inc., First Lien Term Loan, 4.75%, 8/14/21 | 689,2 |
| 905,656 | Pharmaceutical Product Development, First Lien Term B Loan, 4.25%, 8/18/22 | 908,2 |
| 1,225,000 | Precyse Acquisition Corp., First Lien Initial Term Loan, 6.5%, 10/20/22 | 1,228,0 |
| 1,512,572 | Steward Health Care System LLC, Term Loan, 6.75%, 4/10/20 | 1,512,5 |
| 987,500 | Surgery Center Holdings, Inc., Initial Term Loan, 5.25%, 11/3/20 | 990,8 |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 21

Schedule of Investments | 5/31/16 (unaudited) (continued)

| | | Value |
|---|---|-------------|
| <hr style="border-top: 1px dashed black;"/> | | |
| Principal Amount USD (\$) | | |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Health Care Services -- (continued) | |
| 1,416,450 | US Renal Care, Inc., First Lien Term Loan, 5.25%, 12/30/22 | \$ 1,407,0 |
| 562,175 | Valitas Health Services, Inc., Term Loan B, 8.0%, 6/2/17 | 340,1 |
| | | \$ 19,012,9 |
| <hr style="border-top: 1px dashed black;"/> | | |
| | Health Care Supplies -- 1.3% | |
| 971,182 | Alere, Inc., Term Loan B, 4.25%, 6/20/22 | \$ 968,6 |
| 1,346,625 | Greatbatch, Ltd., Term B Loan, 5.25%, 10/27/22 | 1,348,7 |
| 434,647 | Halyard Health, Inc., Term Loan, 4.0%, 11/1/21 | 432,3 |
| 77,806 | Immucor, Inc. (fka IVD Acquisition Corp.), Term B-2 Loan, 5.0%, 8/19/18 | 73,8 |
| 1,333,300 | Sterigenics-Nordion Holdings LLC, Initial Term Loan, 4.25%, 5/16/22 | 1,333,3 |

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

| | | |
|--------------|--|------------------|
| | | \$ 4,156,8 |
| <hr/> | | |
| | Health Care Technology -- 1.4% | |
| 1,227,294 | ConvaTec, Inc., Dollar Term Loan, 4.25%, 6/15/20 | \$ 1,230,6 |
| 2,040,141 | Emdeon, Inc., Term B-2 Loan, 3.75%, 11/2/18 | 2,042,6 |
| 197,000 | Emdeon, Inc., Term B-3 Loan, 3.75%, 11/2/18 | 196,0 |
| 1,125,775(c) | Medical Card System, Inc., Term Loan, 1.5%, 5/31/19 | 731,7 |
| | | <hr/> \$ 4,201,0 |
| <hr/> | | |
| | Managed Health Care -- 0.2% | |
| 431,720(d) | MMM Holdings, Inc., MMM Term Loan, 9.75%, 12/12/17 | \$ 288,1 |
| 313,859(d) | MSO of Puerto Rico, Inc., Term Loan, 9.75%, 12/12/17 | 209,5 |
| | | <hr/> \$ 497,6 |
| <hr/> | | |
| | Total Health Care Equipment & Services | \$ 38,208,8 |
| <hr/> | | |
| | HOUSEHOLD & PERSONAL PRODUCTS -- 1.2% | |
| | Household Products -- 0.5% | |
| 812,447 | Spectrum Brands, Inc., USD Term Loan, 3.5%, 6/23/22 | \$ 817,0 |
| 412,344 | SRAM LLC, First Lien Term Loan, 5.5%, 4/10/20 | 365,9 |
| 73,956 | Wash Multifamily Parent, Inc., First Lien Initial Canadian Term Loan, 4.25%, 5/16/22 | 73,4 |
| 422,294 | Wash Multifamily Parent, Inc., First Lien Initial US Term Loan, 4.25%, 5/16/22 | 419,6 |
| | | <hr/> \$ 1,676,1 |
| <hr/> | | |
| | Personal Products -- 0.7% | |
| 1,243,638 | NBTY, Inc., Term Loan B, 4.0%, 5/5/23 | \$ 1,251,8 |
| 795,956 | Party City Holdings, Inc., Term Loan, 4.25%, 8/19/22 | 795,8 |
| | | <hr/> \$ 2,047,7 |
| <hr/> | | |
| | Total Household & Personal Products | \$ 3,723,8 |

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

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

| Principal Amount USD (\$) | | Value |
|---------------------------|---|------------------|
| | INSURANCE -- 3.2% | |
| | Insurance Brokers -- 0.9% | |
| 1,562,107 | Integro, Ltd., Term Loan B-1, 6.75%, 10/31/22 | \$ 1,503,5 |
| 84,028 | Integro, Ltd., Term Loan B-2, 6.75%, 10/31/22 | 80,8 |
| 985,007 | National Financial Partners Corp., 2014 Specified Refinancing Term Loan, 4.5%, 7/1/20 | 980,2 |
| | | <hr/> \$ 2,564,6 |

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

| | | | |
|--|---|----|---------|
| | Multi-Line Insurance -- 0.1% | | |
| 361,898 | Alliant Holdings I LLC, Term Loan B, 4.5%, 8/12/22 | \$ | 359,9 |
| <hr style="border-top: 1px dashed #000;"/> | | | |
| | Property & Casualty Insurance -- 2.2% | | |
| 2,393,147 | Confie Seguros Holding II Co., First Lien Term Loan B, 5.75%, 11/9/18 | \$ | 2,370,7 |
| 500,000 | Confie Seguros Holding II Co., Second Lien Term Loan, 10.25%, 5/8/19 | | 476,2 |
| 1,980,000 | Hyperion Insurance Group, Ltd., Initial Term Loan, 5.5%, 4/29/22 | | 1,930,5 |
| 1,911,183 | USI, Inc., Initial Term Loan, 4.25%, 12/27/19 | | 1,903,7 |
| | | \$ | 6,681,2 |
| | Total Insurance | \$ | 9,605,8 |
| <hr style="border-top: 1px dashed #000;"/> | | | |
| | MATERIALS -- 13.5% | | |
| | Aluminum -- 0.7% | | |
| 2,158,688 | Novelis, Inc., New Term Loan, 4.0%, 6/2/22 | \$ | 2,155,4 |
| <hr style="border-top: 1px dashed #000;"/> | | | |
| | Commodity Chemicals -- 0.5% | | |
| 627,063 | Axiall Holdco, Inc., Term Loan B, 4.0%, 2/28/22 | \$ | 628,3 |
| 1,051,382 | Tronox Pigments (Netherlands) BV, Closing Date Term Loan, 4.5%, 3/19/20 | | 1,022,1 |
| | | \$ | 1,650,5 |
| <hr style="border-top: 1px dashed #000;"/> | | | |
| | Construction Materials -- 0.2% | | |
| 591,000 | Penn Engineering & Manufacturing Corp., Incremental Tranche B Term Loan, 4.0%, 8/27/21 | \$ | 587,3 |
| <hr style="border-top: 1px dashed #000;"/> | | | |
| | Diversified Chemicals -- 3.2% | | |
| 1,591,294 | Axalta Coating Systems Dutch Holding B BV & Axalta Coating Systems US Holdings, Inc., Refinanced Term B Loan, 3.75%, 2/1/20 | \$ | 1,596,2 |
| 733,163 | Azelis Finance SA (Azelis US Holdings, Inc.), First Lien Dollar Term Loan, 6.5%, 12/16/22 | | 739,5 |
| 1,731,507 | Nexeo Solutions LLC, Initial Term Loan, 5.0%, 9/8/17 | | 1,727,9 |
| 1,700,000 | Nexeo Solutions LLC, Term Loan B, 5.25%, 5/17/23 | | 1,704,7 |
| 636,716 | Orion Engineered Carbons GmbH (OEC Finance US LLC), Initial Dollar Term Loan, 5.0%, 7/25/21 | | 639,1 |
| 623,438 | Plaskolite LLC, First Lien Term Loan, 5.75%, 11/3/22 | | 623,4 |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 23

Schedule of Investments | 5/31/16 (unaudited) (continued)

| | Principal Amount USD (\$) | | Value |
|---------|--|----|-------|
| | Diversified Chemicals -- (continued) | | |
| 325,000 | Royal Holdings, Inc., Second Lien Initial Term Loan, 8.5%, 6/19/23 | \$ | 311,7 |

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

| | | |
|---|---|------------|
| 450,000 | Tata Chemicals North America, Term Loan, 3.75%, 8/7/20 | 446,8 |
| 1,825,825 | Univar USA, Inc., Initial Dollar Term Loan, 4.25%, 7/1/22 | 1,824,2 |
| | | \$ 9,613,9 |
| <hr style="border-top: 1px dashed black;"/> | | |
| 2,153,250 | Diversified Metals & Mining -- 1.7% Chemstralia Pty, Ltd. (Chemstralia Finco LLC), Initial Term Loan, 7.25%, 2/28/22 | \$ 2,146,5 |
| 1,402,367 | FMG Resources (August 2006) Pty, Ltd. (FMG America Finance, Inc.), Term Loan, 4.25%, 6/30/19 | 1,316,4 |
| 980,000 | Hi-Crush Partners LP, Advance, 4.75%, 4/28/21 | 708,8 |
| 1,000,703 | US Silica Co., Term Loan, 4.0%, 7/23/20 | 940,6 |
| | | \$ 5,112,5 |
| <hr style="border-top: 1px dashed black;"/> | | |
| 1,736,875 | Fertilizers & Agricultural Chemicals -- 0.5% Methanol Holdings (Trinidad), Ltd. (Methanol Holdings (Delaware) LLC), Initial Term Loan, 4.25%, 6/30/22 | \$ 1,615,2 |
| <hr style="border-top: 1px dashed black;"/> | | |
| 1,491,961 | Metal & Glass Containers -- 1.8% BWay Intermediate Co., Inc., Initial Term Loan, 5.5%, 8/14/20 | \$ 1,493,6 |
| 796,002 | Prolampac Intermediate, Inc., First Lien Term B Loan, 7.25%, 8/18/22 | 791,5 |
| 1,278,875 | Tank Holding Corp., Initial Term Loan, 5.25%, 3/16/22 | 1,202,1 |
| 1,935,375 | Tekni-Plex, Inc., USD Term Loan, 4.5%, 6/1/22 | 1,932,1 |
| | | \$ 5,419,4 |
| <hr style="border-top: 1px dashed black;"/> | | |
| 1,218,054 | Paper Packaging -- 1.3% Berry Plasctics Corp., Term F Loan, 4.0%, 10/3/22 | \$ 1,224,7 |
| 1,318,177 | Caraustar Industries, Inc., Incremental Term Loan, 8.0%, 5/1/19 | 1,319,8 |
| 158,933 | Caraustar Industries, Inc., Term Loan, 8.0%, 5/1/19 | 159,1 |
| 1,212,750 | Onex Wizard Acquisition Co. I S.a.r.l. (aka SIG Combibloc Group), Term Loan, 4.25%, 3/11/22 | 1,216,2 |
| | | \$ 3,919,9 |
| <hr style="border-top: 1px dashed black;"/> | | |
| 1,653,881 | Paper Products -- 0.9% Appvion, Inc., Term Commitment, 6.25%, 6/28/19 | \$ 1,604,2 |
| 477,557 | Exopack Holdings SA, USD Term Loan, 4.5%, 5/8/19 | 477,2 |
| 500,000 | Ranpak Corp., Second Lien Initial Term Loan, 8.25%, 10/3/22 | 447,5 |
| 201,238 | Ranpak Corp., Tranche B-1 USD Term Loan, 4.25%, 10/1/21 | 197,2 |
| | | \$ 2,726,2 |
| <hr style="border-top: 1px dashed black;"/> | | |

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

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

Principal
Amount
USD (\$)

Value

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

| | | | |
|-----------|--|----|----------|
| | Specialty Chemicals -- 1.6% | | |
| 349,487 | Chemtura Corp., New Term Loan, 3.5%, 8/29/16 | \$ | 349,2 |
| 1,473,000 | Ferro Corp., Term Loan, 4.0%, 7/30/21 | | 1,461,9 |
| 148,551 | Huntsman International LLC, 2015 Extended Term B Dollar Loan, 3.557%, 4/19/19 | | 148,4 |
| 984,810 | Macdermid, Inc., First Lien Tranche B Term Loan, 5.5%, 6/7/20 | | 984,0 |
| 592,500 | Macdermid, Inc., Tranche B-2 Term Loan, 5.5%, 6/7/20 | | 592,2 |
| 1,365,580 | PQ Corp., Tranche B-1 Term Loan, 5.75%, 11/4/22 | | 1,379,8 |
| | | \$ | 4,915,8 |
| | Steel -- 1.1% | | |
| 1,990,363 | Atkore International, Inc., First Lien Initial Term Loan, 4.5%, 4/9/21 | \$ | 1,982,4 |
| 777,008 | JMC Steel Group, Inc., Term Loan, 4.75%, 4/1/17 | | 775,7 |
| 652,208 | TMS International Corp., Term B Loan, 4.5%, 10/16/20 | | 603,2 |
| | | \$ | 3,361,4 |
| | Total Materials | \$ | 41,078,1 |
| | MEDIA -- 12.4% | | |
| | Advertising -- 1.6% | | |
| 3,049,883 | Affinion Group, Inc., Tranche B Term Loan, 6.75%, 4/30/18 | \$ | 2,808,7 |
| 628,800 | Checkout Holding Corp., First Lien Term B Loan, 4.5%, 4/9/21 | | 558,0 |
| 1,983,375 | Crossmark Holdings, Inc., First Lien Term Loan, 4.5%, 12/20/19 | | 1,358,6 |
| | | \$ | 4,725,4 |
| | Broadcasting -- 2.6% | | |
| 373,230 | CBS Outdoor Americas Capital LLC (CBS Outdoor Americas Capital Corp.), Term Loan, 3.0%, 2/1/21 | \$ | 373,0 |
| 273,557 | Entercom Radio LLC, Term B-2 Loan, 5.5%, 11/23/18 | | 274,0 |
| 532,752 | Gray Television, Inc., Initial Term Loan, 3.938%, 6/13/21 | | 533,8 |
| 832,500 | Hubbard Radio LLC, Term Loan, 4.25%, 5/27/22 | | 815,1 |
| 1,867,200 | MCC Iowa LLC, Tranche H Term Loan, 3.25%, 1/29/21 | | 1,868,7 |
| 992,500 | Sinclair Television Group, Inc., Incremental Tranche B-1 Term Loan, 3.5%, 7/30/21 | | 994,1 |
| 1,010,396 | Sinclair Television Group, Inc., Tranche B Term Loan, 3.0%, 4/9/20 | | 1,008,1 |
| 2,139,442 | Univision Communications, Inc., Replacement First Lien Term Loan, 4.0%, 3/1/20 | | 2,142,3 |
| | | \$ | 8,009,5 |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 25

Schedule of Investments | 5/31/16 (unaudited) (continued)

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

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|-------------------|
| <hr/> | | |
| | Cable & Satellite -- 3.1% | |
| 1,988,763 | Charter Communications Operating LLC, Term F Loan, 3.0%, 1/3/21 | \$ 1,992,3 |
| 2,659,500 | Endemol, Term Loan, 6.75%, 8/13/21 | 2,157,5 |
| 893,644 | Learfield Communications, Inc., First Lien 2014 Replacement Term Loan, 4.25%, 10/9/20 | 895,8 |
| 3,371,925 | Telesat Canada, US Term B-2 Loan, 3.5%, 3/28/19 | 3,375,4 |
| 1,117,713 | Virgin Media Investment Holdings, Ltd., Facility F, 3.649%, 6/30/23 | 1,119,0 |
| | | <hr/> \$ 9,540,2 |
| <hr/> | | |
| | Movies & Entertainment -- 2.3% | |
| 1,152,119 | AMC Entertainment, Inc., Initial Term Loan, 4.0%, 12/15/22 | \$ 1,158,9 |
| 1,245,620 | CDS US Intermediate Holdings, Inc. (Cirque Du Soleil Canada, Inc.), First Lien Initial Term Loan, 5.0%, 7/8/22 | 1,225,5 |
| 1,000,000 | CDS US Intermediate Holdings, Inc. (Cirque Du Soleil Canada, Inc.), Second Lien Initial Term Loan, 9.25%, 7/10/23 | 917,7 |
| 219,724 | Cinedigm Digital Funding I LLC, Term Loan, 3.75%, 2/28/18 | 218,6 |
| 580,882 | Kasima LLC, Term Loan, 3.25%, 5/17/21 | 581,1 |
| 1,069,750 | Seminole Hard Rock Entertainment, Inc., Term Loan B, 3.5%, 5/14/20 | 1,069,3 |
| 1,664,491 | WGM Acquisitions Corp., Tranche B Refinancing Term Loan, 3.75%, 7/1/20 | 1,657,6 |
| | | <hr/> \$ 6,828,9 |
| <hr/> | | |
| | Publishing -- 2.8% | |
| 1,599,830 | Cengage Learning Acquisitions, Inc., Term Loan, 7.0%, 3/31/20 | \$ 1,600,0 |
| 990,764 | Cengage Learning Acquisitions, Inc., Term Loan B, 4.25%, 5/27/23 | 991,5 |
| 694,750 | Houghton Mifflin Holdings, Inc., Term Loan, 4.0%, 5/28/21 | 688,6 |
| 181,710 | Lee Enterprises, Inc., First Lien Term Loan, 7.25%, 3/31/19 | 180,9 |
| 3,000,000 | McGraw-Hill Global Education Holdings LLC, First Lien Term B Loan, 5.0%, 5/4/22 | 3,018,7 |
| 805,316 | Quincy Newspapers, Inc., Term B Loan, 5.5%, 11/2/22 | 807,3 |
| 1,386,000 | Springer SBM Two GmbH, Initial Term B9 Loan, 4.5%, 8/14/20 | 1,353,0 |
| | | <hr/> \$ 8,640,3 |
| | Total Media | <hr/> \$ 37,744,5 |

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

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

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|-------------------|
| | PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES -- 3.0% Biotechnology -- 0.6% | |
| 909,579 | Alkermes, Inc., 2019 Term Loan, 3.5%, 9/25/19 | \$ 907,8 |
| 959,676 | Lantheus Medical Imaging, Inc., Term Loan, 7.0%, 6/30/22 | 858,9 |
| | | \$ 1,766,7 |
| 1,990,000 | Life Sciences Tools & Services -- 0.7% Albany Molecular Research, Inc., Term Loan B, 5.75%, 7/16/21 | \$ 1,994,9 |
| 1,496,250 | Pharmaceuticals -- 1.7% Concordia Healthcare Corp., Initial Dollar Term Loan, 5.25%, 10/21/21 | \$ 1,487,3 |
| 1,309,084 | Endo Luxembourg Finance Company I S.a.r.l., Term Loan B, 3.75%, 9/26/22 | 1,293,4 |
| 1,056,188 | Patheon, Inc., Term Loan, 4.25%, 3/11/21 | 1,043,3 |
| 843,422 | Valeant Pharmaceuticals International, Inc., Series C-2 Tranche B Term Loan, 6.5%, 12/11/19 | 833,6 |
| 632,566 | Valeant Pharmaceuticals International, Inc., Series D-2 Term Loan B, 6.25%, 2/13/19 | 625,5 |
| | | \$ 5,283,3 |
| | Total Pharmaceuticals, Biotechnology & Life Sciences | \$ 9,045,0 |
| 1,365,000 | REAL ESTATE -- 2.8% Hotel & Resort REIT -- 0.5% MGM Growth Properties Operating Partnership LP, Term B Loan, 4.0%, 4/25/23 | \$ 1,375,4 |
| 1,989,201 | Real Estate Services -- 1.0% Altisource Solutions S.a.r.l, Term Loan B, 4.5%, 12/9/20 | \$ 1,735,5 |
| 1,200,000 | GCA Services Group, Inc., Term Loan, 5.75%, 3/1/23 | 1,206,0 |
| | | \$ 2,941,5 |
| 1,262,738 | Retail REITs -- 0.7% DTZ US Borrower LLC, First Lien Initial Term Loan, 4.25%, 11/4/21 | \$ 1,261,6 |
| 1,000,000 | DTZ US Borrower LLC, Second Lien Initial Term Loan, 9.25%, 11/4/22 | 1,002,9 |
| | | \$ 2,264,6 |
| 1,985,000 | Specialized REIT -- 0.6% Communications Sales & Leasing, Inc. (CSL Capital, LLC), Term Loan, 5.0%, 10/24/22 | \$ 1,971,9 |
| | Total Real Estate | \$ 8,553,6 |

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

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 27

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|-------------|
| | RETAILING -- 3.7% | |
| | Apparel Retail -- 0.4% | |
| 518,433 | Hudson's Bay Co., Term Loan B, 4.75%, 9/30/22 | \$ 520,6 |
| 738,976 | Men's Wearhouse, Inc., Term Loan B, 4.5%, 6/18/21 | 706,3 |
| | | \$ 1,226,9 |
| | Automotive Retail -- 0.8% | |
| 1,438,132 | CWGS Group LLC, Term Loan, 5.75%, 2/20/20 | \$ 1,441,7 |
| 967,500 | Hertz Corp., Tranche B-1 Term Loan, 3.75%, 3/11/18 | 968,9 |
| | | \$ 2,410,6 |
| | Computer & Electronics Retail -- 0.1% | |
| 91,346(b) (c) | Targus Group International, Inc., Term Loan A-2, 15.0% (15.0% PIK 0% cash), 12/31/19 | \$ 91,3 |
| 274,039(b) (c) | Targus Group International, Inc., Term Loan B, 15.0% (15.0% PIK 0% cash), 12/31/19 | 274,0 |
| | | \$ 365,3 |
| | Home Improvement Retail -- 0.5% | |
| 1,438,567 | Apex Tool Group LLC, Term Loan, 4.5%, 1/31/20 | \$ 1,415,7 |
| | Homefurnishing Retail -- 0.4% | |
| 1,296,750 | Mattress Holdings Corp., 2016 Incremental Term Loan, 6.25%, 10/20/21 | \$ 1,299,9 |
| | Specialty Stores -- 1.5% | |
| 1,225,724 | Dollar Tree, Inc., Term B-1 Loan, 3.5%, 7/6/22 | \$ 1,230,8 |
| 1,496,250 | PetCo Animal Supplies, Inc., Tranche B-1 Term Loan, 5.75%, 1/26/23 | 1,508,9 |
| 1,980,000 | Petsmart, Inc., Tranche B-1 Loan, 4.25%, 3/11/22 | 1,982,4 |
| | | \$ 4,722,2 |
| | Total Retailing | \$ 11,441,1 |
| | SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 1.8% | |
| | Semiconductor Equipment -- 0.3% | |
| 597,558 | Entegris, Inc., Tranche B Term Loan, 3.5%, 4/30/21 | \$ 598,4 |
| 343,253 | VAT Lux II S.a.r.l., Term Loan, 4.25%, 2/11/21 | 340,1 |
| | | \$ 938,5 |
| | Semiconductors -- 1.5% | |
| 1,500,000 | Avago Technologies, Term Loan B, 4.25%, 2/1/23 | \$ 1,505,4 |

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

| | | |
|-----------|--|---------|
| 1,747,051 | M/A-COM Technology Solutions Holdings, Inc., Initial Term Loan, 4.5%, 5/7/21 | 1,755,7 |
| 544,724 | Microsemi Corp., Term B Loan, 5.25%, 1/15/23 | 550,9 |

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

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

| Principal Amount USD (\$) | | Value |
|------------------------------|---|-------------|
| <hr/> | | |
| | Semiconductors -- (continued) | |
| 850,000 | ON Semiconductor Corp., Closing Date Term Loan, 5.25%, 3/31/23 | \$ 857,9 |
| | | \$ 4,670,0 |
| | Total Semiconductors & Semiconductor Equipment | \$ 5,608,6 |
| <hr/> | | |
| | SOFTWARE & SERVICES -- 9.8% | |
| | Application Software -- 3.5% | |
| 948,204 | Applied Systems, Inc., First Lien Term Loan, 5.75%, 1/25/21 | \$ 948,5 |
| 977,215 | Applied Systems, Inc., Second Lien Term Loan, 7.5%, 1/24/22 | 974,7 |
| 973,469 | Epiq Systems, Inc., Term Loan, 4.5%, 8/27/20 | 971,0 |
| 1,125,183 | Expert Global Solutions, Inc., Advance First Lien Term Loan B, 8.5%, 4/3/18 | 1,102,6 |
| 1,039,575 | Infor (US), Inc., Tranche B-5 Term Loan, 3.75%, 6/3/20 | 1,022,1 |
| 1,314,134 | STG-Fairway Acquisitions, Inc., First Lien Term Loan, 6.25%, 6/30/22 | 1,291,1 |
| 1,411,935 | Verint Systems, Inc., Tranche B Incremental Term Loan, 3.5%, 9/6/19 | 1,413,5 |
| 1,000,000 | Vertafore, Inc., Second Lien Term Loan, 9.75%, 10/27/17 | 1,005,6 |
| 1,845,991 | Vertafore, Inc., Term Loan, 4.25%, 10/3/19 | 1,849,9 |
| | | \$ 10,579,5 |
| <hr/> | | |
| | Data Processing & Outsourced Services -- 0.9% | |
| 1,000,000 | First Data Corp., 2018 B Second New Term Loan, 3.943%, 9/24/18 | \$ 1,000,7 |
| 1,091,409 | First Data Corp., 2021 Extended Dollar Term Loan, 4.443%, 3/24/21 | 1,096,5 |
| 750,000 | First Data Corp., New 2022 B Dollar Term Loan, 4.193%, 7/8/22 | 752,4 |
| | | \$ 2,849,7 |
| <hr/> | | |
| | Home Entertainment Software -- 0.4% | |
| 1,251,826 | MA Financeco LLC, Initial Tranche B Term Loan, 5.25%, 11/19/21 | \$ 1,257,1 |
| <hr/> | | |
| | Internet Software & Services -- 1.0% | |
| 1,036,875 | Match Group, Inc., Term B-1 Loan, 5.5%, 11/16/22 | \$ 1,044,6 |
| 1,509,485 | Vocus Valor Companies, Inc., First Lien Initial Term Loan, | |

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

| | | |
|-----------|---|------------|
| | 6.0%, 5/30/21 | 1,507,2 |
| 442,739 | Zayo Group LLC (Zayo Capital, Inc.), Term Loan, 3.75%, 5/6/21 | 444,0 |
| | | \$ 2,995,9 |
| | | |
| 1,641,341 | IT Consulting & Other Services -- 2.8% Booz Allen Hamilton, Inc., Initial Tranche B Term Loan, 3.75%, 7/31/19 | \$ 1,650,7 |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 29

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Principal Amount USD (\$) | | Value |
|---------------------------------|--|-------------|
| | | |
| | IT Consulting & Other Services -- (continued) | |
| 3,438,750 | Evergreen Skills Lux S.a.r.l., First Lien Initial Term Loan, 5.75%, 4/28/21 | \$ 2,793,9 |
| 1,000,000 | Evergreen Skills Lux S.a.r.l., Second Lien Initial Term Loan, 9.25%, 4/28/22 | 526,2 |
| 477,233 | Kronos, Inc., First Lien Incremental Term Loan, 4.5%, 10/30/19 | 478,0 |
| 653,610 | Science Applications International Corp., Incremental Tranche B Loan, 3.75%, 5/4/22 | 657,6 |
| 1,368,125 | Sitel Worldwide Corp., First Lien Term B-1 Loan, 6.5%, 9/18/21 | 1,364,7 |
| 1,125,000 | Taxact, Inc. (H.D. Vest, Inc.), Initial Term Loan, 7.0%, 1/3/23 | 1,129,2 |
| | | \$ 8,600,7 |
| | | |
| | Systems Software -- 1.2% | |
| 1,234,375 | AVG Technologies NV (AVG Corporate Services BV), Term Loan, 7.25%, 10/15/20 | \$ 1,233,2 |
| 1,252,688 | MSC.Software Corp., Term Loan, 5.0%, 5/29/20 | 1,205,7 |
| 1,248,232 | Rovi Solutions Corp., Term B Loan, 3.75%, 7/2/21 | 1,241,2 |
| | | \$ 3,680,1 |
| | | \$ 29,963,2 |
| | | |
| | TECHNOLOGY HARDWARE & EQUIPMENT -- 3.2% | |
| | Communications Equipment -- 0.4% | |
| 681,100 | Audio Visual Services Group, Inc., First Lien Term Loan, 4.5%, 1/25/21 | \$ 674,2 |
| 497,500 | Commscope, Inc., Tranche 5 Term Loan, 3.828%, 12/29/22 | 498,9 |
| | | \$ 1,173,2 |
| | | |
| | Electronic Components -- 0.6% | |

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

| | | |
|-----------|---|------------|
| 671,189 | Generac Power Systems, Inc., Term Loan, 3.5%, 5/31/20 | \$ 669,9 |
| 1,212,750 | Mirion Technologies (Finance) LLC (Mirion Technologies, Inc.), First Lien Initial Term Loan, 5.75%, 3/31/22 | 1,207,6 |
| | | \$ 1,877,6 |
| | | |
| 1,899,444 | Electronic Manufacturing Services -- 0.6% 4L Technologies, Inc. (fka Clover Holdings, Inc.), Term Loan, 7.0%, 5/8/20 | \$ 1,707,1 |
| | | |
| 497,437 | Technology Distributors -- 1.0% CDW LLC (fka CDW Corp.), Term Loan, 3.25%, 4/29/20 | \$ 498,7 |
| 1,378,867 | Deltek, Inc., First Lien Term Loan, 5.0%, 6/25/22 | 1,381,7 |
| 155,357 | SS&C European Holdings S.a.r.l., Term B-2 Loan, 4.083%, 7/8/22 | 156,1 |
| 1,130,117 | SS&C Technologies, Inc., Term B-1 Loan, 4.083%, 7/8/22 | 1,135,8 |
| | | \$ 3,172,4 |

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

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

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|-------------------|
| | | |
| 700,000 | Technology Hardware, Storage & Peripherals -- 0.6% Diebold, Inc., Dollar Term B Loan, 5.25%, 11/6/23 | \$ 702,4 |
| 1,000,000 | Western Digital Corp., US Term B Loan, 6.25%, 4/29/23 | 999,8 |
| | | \$ 1,702,3 |
| | Total Technology Hardware & Equipment | \$ 9,632,7 |
| | | |
| | TELECOMMUNICATION SERVICES -- 3.2% | |
| 1,237,500 | Integrated Telecommunication Services -- 1.8% GCI Holdings, Inc., New Term B Loan, 4.0%, 2/2/22 | \$ 1,246,0 |
| 1,000,000 | Level 3 Financing, Inc., Tranche B 2022 Term Loan, 3.5%, 5/31/22 | 1,002,0 |
| 1,044,434 | Securus Technologies Holdings, Inc., Initial First Lien Term Loan, 4.75%, 4/30/20 | 996,7 |
| 233,824 | Securus Technologies Holdings, Inc., Term Loan B2, 5.25%, 4/30/20 | 223,7 |
| 1,327,997 | West Corp., Term B-10 Loan, 3.25%, 6/30/18 | 1,328,5 |
| 620,000 | Windstream Services LLC (fka Windstream Corp.), Tranche B-6 Term Loan, 5.75%, 3/29/21 | 623,3 |
| | | \$ 5,420,5 |
| | | |
| 2,539,207 | Wireless Telecommunication Services -- 1.4% Altice US Finance I Corp. (Cequel Communications, LLC), Initial Term Loan, 4.25%, 12/14/22 | \$ 2,547,4 |
| 720,343 | Intelsat Jackson Holdings SA, Tranche B-2 Term Loan, 3.75%, 6/30/19 | 665,4 |

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

| | | |
|---|---|------------|
| 1,606,038 | Syniverse Holdings, Inc., Initial Term Loan, 4.0%, 4/23/19 | 1,226,6 |
| | | \$ 4,439,4 |
| | Total Telecommunication Services | \$ 9,859,9 |
| TRANSPORTATION -- 4.9% Air Freight & Logistics -- 0.6% | | |
| 1,712,873 | Dematic Corp., New Incremental Term Loan, 4.25%, 12/28/19 | \$ 1,708,5 |
| Airlines -- 2.6% | | |
| 2,947,500 | American Airlines, Inc., 2015 New Term Loan, 3.25%, 6/27/20 | 2,936,6 |
| 2,100,000 | American Airlines, Inc., Class B Term Loan, 3.5%, 4/28/23 | 2,096,4 |
| 242,500 | Continental Airlines, Inc. (United Air Lines, Inc.), Class B Term Loan, 3.25%, 4/1/19 | 242,9 |
| 1,451,250 | Delta Air Lines, Inc., 2014 Term B-1 Loan, 3.25%, 10/18/18 | 1,456,9 |
| 1,254,938 | US Airways, Inc., Tranche B-1 Term Loan, 3.5%, 5/23/19 | 1,257,0 |
| | | \$ 7,990,0 |

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

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

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Principal Amount USD (\$) | | Value |
|---|---|-------------|
| Marine -- 0.8% | | |
| 1,721,810 | Commercial Barge Line Co., Initial Term Loan, 9.75%, 11/12/20 | \$ 1,538,1 |
| 1,126,132 | Navios Maritime Partners LP, Term Loan, 5.25%, 6/27/18 | 990,9 |
| | | \$ 2,529,1 |
| Trucking -- 0.9% | | |
| 405,901 | PODS LLC, Initial First Lien Term Loan, 4.5%, 2/2/22 | \$ 405,3 |
| 782,000 | Syncreon Global Finance, Inc., Term Loan, 5.25%, 10/28/20 | 666,6 |
| 1,625,248 | YRC Worldwide, Inc., Initial Term Loan, 8.0%, 2/13/19 | 1,491,1 |
| | | \$ 2,563,2 |
| | Total Transportation | \$ 14,791,0 |
| UTILITIES -- 3.9% Electric Utilities -- 2.3% | | |
| 1,475,525 | APLH Holdings, Ltd. Partnership, Term Loan, 6.0%, 4/13/23 | \$ 1,473,6 |

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

| | | |
|--------------|--|--------------|
| 2,188,125 | Calpine Construction Finance Co., LP, Term B-1 Loan, 3.0%, 5/3/20 | 2,142,5 |
| 975,405 | ExGen Renewables LLC, Term Loan, 5.25%, 2/6/21 | 980,2 |
| 80,124 | Rhode Island State Energy Center LP, Term B Advance, 5.75%, 12/19/22 | 79,7 |
| 987,500 | Southeast PowerGen LLC, Term Loan B, 4.5%, 12/2/21 | 949,2 |
| 1,895,533 | Terra-Gen Finance Co., LLC, Term Loan B, 5.25%, 12/9/21 | 1,563,8 |
| | | \$ 7,189,2 |
| | | |
| | Independent Power Producers & Energy Traders -- 1.3% | |
| 1,647,550 | Calpine Corp., Term Loan B, 3.5%, 5/27/22 | \$ 1,637,8 |
| 1,047,308 | Dynegy, Inc., Tranche B-2 Term Loan, 4.0%, 4/23/20 | 1,045,9 |
| 1,207,601 | NRG Energy, Inc., 2013 Term Loan, 2.75%, 7/1/18 | 1,207,7 |
| | | \$ 3,891,6 |
| | | |
| | Water Utilities -- 0.3% | |
| 847,167 | WTG Holdings III Corp., First Lien Term Loan, 4.75%, 1/15/21 | \$ 847,1 |
| | Total Utilities | \$ 11,928,1 |
| | | |
| | TOTAL SENIOR SECURED FLOATING RATE LOAN INTERESTS (Cost \$412,393,436) | \$ 403,680,9 |
| | | |
| | COLLATERALIZED LOAN OBLIGATIONS -- 2.7% of Net Assets | |
| | BANKS -- 2.7% | |
| | Diversified Banks -- 0.6% | |
| 1,000,000(a) | Primus, Ltd., Series 2007-2A, Class D, 3.028%, 7/15/21 (144A) | \$ 915,9 |

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

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

| Principal Amount USD (\$) | | Value |
|---------------------------------|--|------------|
| | Diversified Banks -- (continued) | |
| 951,289(a) | Stanfield McLaren, Ltd., Series 2007-1A, Class B2L, 5.167%, 2/27/21 (144A) | \$ 843,6 |
| | | \$ 1,759,5 |
| | | |
| | Thriffs & Mortgage Finance -- 2.1% | |
| 1,000,000(a) | ACA, Ltd., Series 2007-1A, Class D, 2.978%, 6/15/22 (144A) | \$ 949,6 |
| 1,000,000(a) | Goldman Sachs Asset Management Plc, Series 2007-1A, Class D, 3.387%, 8/1/22 (144A) | 973,9 |
| 1,000,000(a) | Gulf Stream -- Sextant, Ltd., Series 2007-1A, Class D, 3.039%, 6/17/21 (144A) | 999,3 |

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

| | | |
|---|---|------------|
| 1,000,000(a) | Landmark CDO, Ltd., Series 2007-9A, Class E, 4.128%, 4/15/21 (144A) | 895,0 |
| 700,000(a) | NCF Dealer Floorplan Master Trust, Series 2016-1A, Class C, 8.939%, 3/21/22 (144A) | 690,8 |
| 2,000,000(a) | Stone Tower, Ltd., Series 2007-6A, Class C, 1.983%, 4/17/21 (144A) | 1,890,8 |
| | | \$ 6,399,7 |
| | Total Banks | \$ 8,159,3 |
| TOTAL COLLATERALIZED LOAN OBLIGATIONS (Cost \$7,917,646) | | |
| | | \$ 8,159,3 |
| CORPORATE BONDS & NOTES -- 5.4% 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) | \$ 935,5 |
| | Total Automobiles & Components | \$ 935,5 |
| BANKS -- 0.4% | | |
| | Diversified Banks -- 0.4% | |
| 1,100,000(e) (f) | BNP Paribas SA, 7.625% (144A) | \$ 1,131,6 |
| | Total Banks | \$ 1,131,6 |
| CAPITAL GOODS -- 0.3% | | |
| | Trading Companies & Distributors -- 0.3% | |
| 900,000 | United Rentals North America, Inc., 4.625%, 7/15/23 | \$ 893,2 |
| | Total Capital Goods | \$ 893,2 |
| ENERGY -- 0.9% | | |
| | Oil & Gas Equipment & Services -- 0.4% | |
| 720,000(a) | FTS International, Inc., 8.134%, 6/15/20 (144A) | \$ 604,2 |
| 430,000 | Weatherford International, Ltd., 9.625%, 3/1/19 | 423,5 |
| | | \$ 1,027,8 |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 33

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Principal Amount USD (\$) | | Value |
|---------------------------------|---|----------|
| | Oil & Gas Exploration & Production -- 0.5% | |
| 500,000 | Gulfport Energy Corp., 6.625%, 5/1/23 | \$ 491,2 |
| 500,000 | Memorial Resource Development Corp., 5.875%, 7/1/22 | 498,1 |

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

| | | |
|-----------------|--|------------|
| 625,000 | WPX Energy, Inc., 7.5%, 8/1/20 | 612,5 |
| | | \$ 1,601,8 |
| | Total Energy | \$ 2,629,7 |
| | | |
| | HEALTH CARE EQUIPMENT & SERVICES -- 0.3% | |
| | Health Care Facilities -- 0.3% | |
| 201,000 | CHS/Community Health Systems, Inc., 5.125%, 8/15/18 | \$ 204,7 |
| 1,000,000 | CHS/Community Health Systems, Inc., 6.875%, 2/1/22 | 859,3 |
| | Total Health Care Equipment & Services | \$ 1,064,1 |
| | | |
| | INSURANCE -- 1.3% | |
| | Reinsurance -- 1.3% | |
| 500,000 (a) | Alamo Re, Ltd., 6.2%, 6/7/18 (144A) (Cat Bond) | \$ 512,0 |
| 400,000 (g) (h) | Berwick Segregated Account (Kane SAC, Ltd.), Variable Rate Notes, 2/1/18 | 407,9 |
| 250,000 (g) (h) | Carnousite Segregated Account (Kane SAC, Ltd.), Variable Rate Notes, 11/30/20 | 256,3 |
| 250,000 (g) (h) | Gleneagles Segregated Account (Kane SAC, Ltd.), Variable Rate Notes, 11/30/20 | 258,3 |
| 400,000 (g) (h) | Gullane Segregated Account (Kane SAC, Ltd.), Variable Rate Notes, 11/30/20 | 425,4 |
| 250,000 (a) | Kilimanjaro Re, Ltd., Series 2015-1, Class D, 9.55%, 12/6/19 (144A) (Cat Bond) | 254,3 |
| 250,000 (a) | Kilimanjaro Re, Ltd., Series 2015-1, Class E, 7.05%, 12/6/19 (144A) (Cat Bond) | 254,1 |
| 250,000 (g) (h) | Madison Re, Variable Rate Notes, 3/31/19 | 251,6 |
| 250,000 (a) | Mythen Re, Ltd., Series 2012-2, Class A, 9.033%, 1/5/17 (144A) (Cat Bond) | 251,6 |
| 400,000 (g) (h) | Pangaea Re Segregated Account (Kane SAC, Ltd.), Series 2016-1, Variable Rate Notes, 2/1/20 | 406,2 |
| 350,000 (i) | Resilience Re, Ltd., 4/7/17 (Cat Bond) | 318,2 |
| 400,000 (g) (h) | St. Andrews Segregated Account (Kane SAC, Ltd.), Variable Rate Notes, 2/1/18 | 411,4 |
| | Total Insurance | \$ 4,007,8 |
| | | |
| | MATERIALS -- 0.7% | |
| | Commodity Chemicals -- 0.4% | |
| 1,230,000 | Rain CII Carbon LLC / CII Carbon Corp., 8.0%, 12/1/18 (144A) | \$ 1,068,5 |
| | | |
| | Metal & Glass Containers -- 0.3% | |
| 1,000,000 (a) | Ardagh Packaging Finance Plc / Ardagh Holdings USA, Inc., 3.876%, 5/15/21 (144A) | \$ 1,002,5 |
| | Total Materials | \$ 2,071,0 |

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

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

Principal
Amount

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

| USD (\$) | | Value |
|---------------|--|-------------|
| | SEMICONDUCTORS & SEMICONDUCTOR EQUIPMENT -- 0.2% | |
| 750,000 | Semiconductors -- 0.2% | |
| | Micron Technology, Inc., 5.25%, 8/1/23 (144A) | \$ 635,6 |
| | Total Semiconductors & Semiconductor Equipment | \$ 635,6 |
| | SOFTWARE & SERVICES -- 0.3% | |
| 920,000 | Internet Software & Services -- 0.3% | |
| | j2 Cloud Services, Inc., 8.0%, 8/1/20 | \$ 960,2 |
| | Total Software & Services | \$ 960,2 |
| | TELECOMMUNICATION SERVICES -- 0.7% | |
| 1,000,000 | Integrated Telecommunication Services -- 0.7% | |
| 1,000,000 | CenturyLink, Inc., 6.45%, 6/15/21 | \$ 1,015,0 |
| | Frontier Communications Corp., 10.5%, 9/15/22 (144A) | 1,041,2 |
| | Total Telecommunication Services | \$ 2,056,2 |
| | TOTAL CORPORATE BONDS & NOTES (Cost \$16,311,411) | \$ 16,385,2 |
| | US GOVERNMENT AND AGENCY OBLIGATIONS -- 0.9% of Net Assets | |
| 1,405,000 (a) | U.S. Treasury Notes, 0.622%, 1/31/18 | \$ 1,407,9 |
| 1,405,000 (a) | U.S. Treasury Notes, 0.54%, 4/30/18 | 1,404,9 |
| | | \$ 2,812,8 |
| | TOTAL US GOVERNMENT AND AGENCY OBLIGATIONS (Cost \$2,811,294) | \$ 2,812,8 |
| Shares | | |
| | EXCHANGE-TRADED FUNDS -- 1.1% of Net Assets | |
| | DIVERSIFIED FINANCIALS -- 1.1% | |
| 27,000 | Other Diversified Financial Services -- 1.1% | |
| 42,000 | iShares iBoxx \$ High Yield Corporate Bond ETF | \$ 2,257,4 |
| | PowerShares Senior Loan Portfolio | 968,9 |
| | Total Diversified Financials | \$ 3,226,4 |
| | TOTAL EXCHANGE-TRADED FUNDS (Cost \$3,179,147) | \$ 3,226,4 |
| | COMMON STOCKS -- 0.5% of Net Assets | |
| | CONSUMER DURABLES & APPAREL -- 0.1% | |
| 31,348 (j) | Homebuilding -- 0.1% | |
| | WAICCS Las Vegas 3 LLC | \$ 449,8 |
| | Total Consumer Durables & Apparel | \$ 449,8 |

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

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 35

Schedule of Investments | 5/31/16 (unaudited) (continued)

| Shares | Value |
|---------------------------------|---|
| <hr/> | |
| 31(j) | INDUSTRIALS -- 0.1% Diversified Support Services -- 0.1% IAP Worldwide Services, Inc. |
| | \$ 42,5 |
| | <hr/> \$ 42,5 |
| <hr/> | |
| 14,548(j) EUR 497(j) | MEDIA -- 0.1% Publishing -- 0.1% Cengage Learning Acquisitions, Inc. Solocal Group SA |
| | \$ 312,7 1,8 |
| | <hr/> \$ 314,5 |
| <hr/> | |
| 2,454(j) | PHARMACEUTICALS, BIOTECHNOLOGY & LIFE SCIENCES -- 0.0%+ Biotechnology -- 0.0%+ Progenics Pharmaceuticals, Inc. |
| | \$ 12,3 |
| | <hr/> \$ 12,3 |
| <hr/> | |
| 91,346(c) (j) | RETAILING -- 0.1% Computer & Electronics Retail -- 0.1% Targus Cayman SubCo., Ltd. |
| | \$ 319,7 |
| | <hr/> \$ 319,7 |
| <hr/> | |
| 710(j) | TRANSPORTATION -- 0.1% Air Freight & Logistics -- 0.1% CEVA Holdings LLC |
| | \$ 248,4 |
| | <hr/> \$ 248,4 |
| <hr/> | |
| 775 | UTILITIES -- 0.0%+ Independent Power Producers & Energy Traders -- 0.0%+ NRG Energy, Inc. |
| | \$ 12,6 |
| | <hr/> \$ 12,6 |
| <hr/> | |
| | TOTAL COMMON STOCKS (Cost \$2,071,400) |
| | \$ 1,400,1 |
| <hr/> | |
| Principal Amount USD (\$) | |

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

| | | | |
|-----------|---------------------------------------|----|------------|
| | TEMPORARY CASH INVESTMENTS -- 2.4% | | |
| | of Net Assets | | |
| | COMMERCIAL PAPER -- 1.0% | | |
| 1,130,000 | Barclays Bank Plc, 0.35%, 6/1/16 | \$ | 1,129,9 |
| 905,000 | BNP Paribas SA, 0.27%, 6/1/16 | | 904,9 |
| 1,130,000 | Prudential Funding LLC, 0.31%, 6/1/16 | | 1,129,9 |
| | | | \$ 3,164,9 |

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

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

| Principal Amount USD (\$) | | | Value |
|---------------------------------|---|----|------------|
| 1,000,000 | REPURCHASE AGREEMENT -- 0.3% \$1,000,000 ScotiaBank, 0.3%, dated 5/31/16, plus accrued interest on 6/1/16 collateralized by the following: \$979,017 Federal National Mortgages Association (ARM), 2.46% -- 2.574%, 2/1/38 -- 3/1/46, \$40,991 Federal Home Loan Mortgage Corp., 2.777% -- 3.006%, 4/1/44 -- 5/1/45. | \$ | 1,000,0 |
| 3,380,000(i) | TREASURY BILL -- 1.1% U.S. Treasury Bill, 6/9/16 | \$ | 3,379,8 |
| | TOTAL TEMPORARY CASH INVESTMENTS (Cost \$7,544,868) | \$ | 7,544,8 |
| | TOTAL INVESTMENTS IN SECURITIES -- 145.3% (Cost \$452,229,202) (k) | \$ | 443,209,7 |
| | OTHER ASSETS AND LIABILITIES -- (45.3)% | \$ | (138,079,6 |
| | NET ASSETS APPLICABLE TO COMMON SHAREOWNERS -- 100.0% | \$ | 305,130,0 |

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, 2016, the value of these securities amounted to \$15,850,880, or 5.2% of total net assets applicable to common shareowners.

(Cat Bond) Catastrophe or event-linked bond. At May 31, 2016, the value of these securities amounted to \$1,590,455 or 0.5% of total net assets applicable to common shareowners. See Notes to Financial Statements

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

-- 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 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, 2016.
 - (a) Floating rate note. The rate shown is the coupon rate at May 31, 2016.
 - (b) Payment in Kind (PIK) security which may pay interest in the form of additional principal amount.
 - (c) Security is valued using fair value methods (other than prices supplied by independent pricing services).
 - (d) Security is in default.
 - (e) The interest rate is subject to change periodically. The interest rate shown is the rate at May 31, 2016.
 - (f) Security is perpetual in nature and has no stated maturity date.
 - (g) Structured reinsurance investment. At May 31, 2016, the value of these securities amounted to \$2,417,365, or 0.8% of total net assets applicable to common shareowners.

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 37

Schedule of Investments | 5/31/16 (unaudited) (continued)

- (h) Rate to be determined.
- (i) Security issued with a zero coupon. Income is recognized through accretion of discount.
- (j) Non-income producing.
- (k) At May 31, 2016, the net unrealized depreciation on investments based on cost for federal tax purposes of \$452,240,193 was as follows:

| | |
|--|-------------|
| Aggregate gross unrealized appreciation for all investments in which there is an excess of value over tax cost | \$ 3,807,5 |
| Aggregate gross unrealized depreciation for all investments in which there is an excess of tax cost over value | (12,837,9 |
| Net unrealized depreciation | \$ (9,030,4 |

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

For financial reporting purposes net unrealized depreciation on investments was \$9,019,431 and cost of investments aggregated \$452,229,202.

Purchases and sales of securities (excluding temporary cash investments) for the six months ended May 31, 2016 were as follows:

| | Purchases | Sales |
|----------------------------|--------------|------------|
| Long-Term U.S. Government | \$ 2,811,294 | \$ 2,810,2 |
| Other Long-Term Securities | \$79,823,503 | \$80,973,1 |

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

EUR Euro

CENTRALLY CLEARED CREDIT DEFAULT SWAP AGREEMENTS -- SELL PROTECTION

| Notional Principal (\$)(1) | Exchange | Obligation Entity/Index | Coupon | Credit Rating(2) | Expiration Date | Premiums Paid/(Received) | Net Unrealized Appreciation |
|----------------------------|-----------------------------|---|--------|------------------|-----------------|--------------------------|-----------------------------|
| 1,078,000 | Chicago Mercantile Exchange | Markit CDX North America High Yield Index Series 24 | 5.00% | B+ | 6/20/20 | \$ 64,893 | \$ 4,869 |
| 1,103,850 | Chicago Mercantile Exchange | Markit CDX North America High Yield Index Series 25 | 5.00% | B+ | 12/20/20 | (10,498) | 61,551 |
| | | | | | | \$ 54,395 | \$ 66,420 |

(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.

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.

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

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

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

The following is a summary of the inputs used as of May 31, 2016, in valuing the Trust's investments.

| | Level 1 | Level 2 | Level 3 | Total |
|--|--------------|---------------|--------------|---------------|
| Senior Secured Floating | | | | |
| Rate Loan Interests | | | | |
| Health Care Equipment & Services | | | | |
| Health Care Technology | \$ -- | \$ 3,469,323 | \$ 731,754 | \$ 4,201,077 |
| Retailing | | | | |
| Computer & Electronics Retail | -- | -- | 365,385 | 365,385 |
| All Other Senior Secured Floating | | | | |
| Rate Loan Interests | -- | 399,114,497 | -- | 399,114,497 |
| Collateralized Loan Obligations | -- | 8,159,329 | -- | 8,159,329 |
| Corporate Bonds & Notes | | | | |
| Insurance | | | | |
| Reinsurance | -- | 1,272,200 | 2,735,620 | 4,007,820 |
| All Other Corporate Bonds & Notes | -- | 12,377,407 | -- | 12,377,407 |
| U.S. Government and Agency Obligations | -- | 2,812,886 | -- | 2,812,886 |
| Exchange-Traded Funds | 3,226,410 | -- | -- | 3,226,410 |
| Common Stocks | | | | |
| Consumer Durables & Apparel | | | | |
| Homebuilding | -- | 449,844 | -- | 449,844 |
| Industrials | | | | |
| Diversified Support Services | -- | 42,515 | -- | 42,515 |
| Media | | | | |
| Publishing | 1,800 | 312,782 | -- | 314,582 |
| Retailing | | | | |
| Computer & Electronics Retail | -- | -- | 319,711 | 319,711 |
| Transportation | | | | |
| Air Freight & Logistics | -- | 248,427 | -- | 248,427 |
| All Other Common Stocks | 25,025 | -- | -- | 25,025 |
| Commercial Paper | -- | 3,164,971 | -- | 3,164,971 |
| Repurchase Agreement | -- | 1,000,000 | -- | 1,000,000 |
| Treasury Bill | -- | 3,379,885 | -- | 3,379,885 |
| Total Investments in Securities | | | | |
| | \$ 3,253,235 | \$435,804,066 | \$ 4,152,470 | \$443,209,771 |
| Other Financial Instruments | | | | |
| Unrealized appreciation on credit default swap contracts | \$ -- | \$ 66,420 | \$ -- | \$ 66,420 |
| Total Other Financial Instruments | | | | |
| | \$ -- | \$ 66,420 | \$ -- | \$ 66,420 |

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

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 39

Schedule of Investments | 5/31/16 (unaudited) (continued)

The following is a summary of the fair valuation of certain of the Trust's assets and liabilities as of May 31, 2016:

| | Level 1 | Level 2 | Level 3 | Total |
|---|--------------|-------------------------|--------------|-------------------------|
| Assets: | | | | |
| Foreign currencies, at value | \$ -- | \$ 56,155 | \$ -- | \$ 56,155 |
| Restricted cash | -- | 168,130 | -- | 168,130 |
| Liabilities: | | | | |
| Credit agreement | -- | (143,450,000) | -- | (143,450,000) |
| Variation margin for centrally cleared swap contracts | -- | (284) | -- | (284) |
| Total | \$ -- | \$ (143,225,999) | \$ -- | \$ (143,225,999) |

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

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

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

| | Balance as of 11/30/15 | Realized gain (loss) (1) | Change in unrealized appreciation (depreciation) (2) | Purchases | Sales | Accrued discounts/ premiums |
|---|------------------------------|--------------------------------|---|------------|-------|-----------------------------------|
| Senior Secured Floating Rate Loan Interests | | | | | | |
| Health Care Equipment & Services | | | | | | |
| Health Care Technology | \$ -- | \$ -- | \$ (263,114) | \$ 976,680 | \$ -- | \$ 18,188 |
| Retailing Computer & Electronics | | | | | | |
| Retail | -- | -- | -- | 365,385 | -- | -- |
| Corporate Bonds | | | | | | |

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

| | | | | | | |
|---|--------------|-------|--------------|-------------|----------------|-----------|
| & Notes | | | | | | |
| Insurance | | | | | | |
| Reinsurance | 1,197,861 | -- | (42,108) | 2,665,239 | (1,090,200) | 4,828 |
| Common Stocks | | | | | | |
| Retailing | | | | | | |
| Computer & Electronics | | | | | | |
| Retail | -- | -- | -- | 319,711 | -- | -- |
| <hr style="border-top: 1px dashed black;"/> | | | | | | |
| Total | \$ 1,197,861 | \$ -- | \$ (305,222) | \$4,327,015 | \$ (1,090,200) | \$ 23,016 |
| <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, 2016, there were no transfers between Levels 1, 2 and 3.

Net change in unrealized depreciation of Level 3 investments still held and considered Level 3 at May 31, 2016: \$(197,561).

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 41

Statement of Assets and Liabilities | 5/31/16 (unaudited)

ASSETS:

| | |
|--|----------------|
| Investments in securities, at value (cost \$452,229,202) | \$ 443,209,771 |
| Cash | 11,475,355 |
| Foreign currencies, at value (cost \$68,456) | 56,155 |
| Restricted cash* | 168,130 |
| Credit default swaps, premiums paid | 54,395 |
| Receivables -- | |
| Investment securities sold | 7,361,007 |
| Interest | 2,694,588 |
| Dividends | 33,525 |
| Prepaid expenses | 1,366 |
| <hr style="border-top: 1px dashed black;"/> | |
| Total assets | \$ 465,054,292 |

LIABILITIES:

| | |
|---|----------------|
| Payables -- | |
| Credit agreement | \$ 143,450,000 |
| Investment securities purchased | 15,886,321 |
| Trustees' fees | 2,795 |
| Administration fee | 119,363 |
| Interest expense | 27,733 |
| Variation margin for centrally cleared swap contracts | 284 |
| Due to affiliates | 264,921 |
| Accrued expenses | 172,786 |
| <hr style="border-top: 1px dashed black;"/> | |

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

| | |
|--|----------------|
| Total liabilities | \$ 159,924,203 |
| ----- | |
| NET ASSETS APPLICABLE TO SHAREOWNERS: | |
| Paid-in capital | \$ 465,543,677 |
| Distributions in excess of net investment income | (2,484,410) |
| Accumulated net realized loss on investments, swap contracts, and foreign currency transactions | (148,957,441) |
| Net unrealized depreciation on investments | (9,019,431) |
| Net unrealized appreciation on swap contracts | 66,420 |
| Net unrealized depreciation on other assets and liabilities denominated in foreign currencies | (18,726) |
| ----- | |
| Net assets applicable to shareowners | \$ 305,130,089 |
| ----- | |
| NET ASSET VALUE PER SHARE: | |
| No par value (unlimited number of shares authorized) | |
| Based on \$305,130,089/ 24,738,174 shares | \$ 12.33 |
| ===== | |

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

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

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

Statement of Operations (unaudited)

For the Six Months Ended 5/31/16

| | |
|------------------------------------|--------------|
| INVESTMENT INCOME: | |
| Interest | \$ 7,557,278 |
| Dividends | 42,569 |
| Credit agreement and other income | 282,386 |
| ----- | |
| Total investment income | \$ 7,882,233 |
| ----- | |
| EXPENSES: | |
| Management fees | \$ 1,552,516 |
| Administrative expense | 123,469 |
| Transfer agent fees | 7,223 |
| Shareholder communications expense | 10,017 |
| Custodian fees | 38,006 |
| Professional fees | 74,011 |
| Printing expense | 7,211 |
| Trustees' fees | 8,618 |
| Pricing fees | 23,247 |
| Interest expense | 924,725 |
| Miscellaneous | 74,548 |
| ----- | |
| Total expenses | \$ 2,843,591 |
| ----- | |
| Net investment income | \$ 5,038,642 |
| ----- | |

REALIZED AND UNREALIZED GAIN (LOSS) ON INVESTMENTS,
SWAP CONTRACTS, UNFUNDED LOAN COMMITMENTS, AND
FOREIGN CURRENCY TRANSACTIONS:

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

| | | |
|--|----------------|----------------|
| Net realized gain (loss) on: | | |
| Investments | \$ (3,833,898) | |
| Swap contracts | 17,122 | |
| Other assets and liabilities denominated in foreign currencies | (31) | \$ (3,816,807) |
| ----- | | |
| Change in net unrealized appreciation (depreciation) on: | | |
| Investments | \$ 8,389,174 | |
| Swap contracts | 72,273 | |
| Unfunded loan commitments | (8,871) | |
| Other assets and liabilities denominated in foreign currencies | 4,918 | \$ 8,457,494 |
| ----- | | |
| Net realized and unrealized gain (loss) on investments, swap contracts, unfunded loan commitments, and foreign currency transactions | | \$ 4,640,687 |
| ----- | | |
| Net increase in net assets resulting from operations | | \$ 9,679,329 |
| ===== | | |

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 43

Statements of Changes in Net Assets

| | Six Months Ended 5/31/16 (unaudited) | Year Ended 11/30/15 |
|---|---|---------------------------|
| ----- | | |
| FROM OPERATIONS: | | |
| Net investment income (loss) | \$ 5,038,642 | \$ 18,826,722 |
| Net realized gain (loss) on investments, swap contracts, and foreign currency transactions | (3,816,807) | (8,429,026) |
| Change in net unrealized appreciation (depreciation) on investments, swap contracts, unfunded loan commitments, and foreign currency transactions | 8,457,494 | (6,084,107) |
| ----- | | |
| Net increase in net assets resulting from operations | \$ 9,679,329 | \$ 4,313,589 |
| ----- | | |
| DISTRIBUTIONS TO SHAREOWNERS: | | |
| Net investment income and previously undistributed net investment income (\$0.36 and \$0.70 per share, respectively) | \$ (8,905,743) | \$ (17,193,031) |
| ----- | | |
| Total distributions to shareowners | \$ (8,905,743) | \$ (17,193,031) |
| ----- | | |
| Net increase (decrease) in net assets | \$ 773,586 | \$ (12,879,442) |
| NET ASSETS APPLICABLE TO SHAREOWNERS: | | |
| Beginning of period | 304,356,503 | 317,235,945 |
| ----- | | |
| End of period | \$305,130,089 | \$ 304,356,503 |
| ----- | | |
| Undistributed (distributions in excess of) net investment income | \$ (2,484,410) | \$ 1,382,691 |

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

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

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

Statement of Cash Flows (unaudited)

For the Six Months Ended 5/31/16

Cash Flows From Operating Activities:

| | |
|--|--------------|
| Net increase in net assets resulting from operations | \$ 9,679,329 |
|--|--------------|

Adjustments to reconcile net increase in net assets resulting from operations to net cash and foreign currencies from operating activities:

| | |
|---|-----------------|
| Purchases of investment securities | \$ (78,434,538) |
| Proceeds from disposition and maturity of investment securities | 87,930,627 |
| Net purchases of temporary cash investments | 545,132 |
| Net accretion and amortization of discount/premium on investment securities | (645,413) |
| Change in unrealized appreciation on investments | (8,389,174) |
| Change in unrealized depreciation on unfunded loan commitments | 8,871 |
| Change in unrealized appreciation on foreign currency | (2,722) |
| Change in unrealized appreciation on swap contracts | (5,853) |
| Net realized loss on investments | 3,833,898 |
| Net premiums received on swap contracts | 11,159 |
| Increase in restricted cash | (168,130) |
| Decrease in swap collateral | 75,000 |
| Increase in interest receivable | (133,511) |
| Increase in prepaid expenses | (1,366) |
| Increased in due to affiliates | 1,284 |
| Increase in trustees' fee payable | 101 |
| Increase in administration fees payable | 17,134 |
| Decrease in cash due to broker | (58,228) |
| Decrease in accrued expenses payable | (44,133) |
| Increase in interest expense payable | 2,394 |
| Decrease in variation margin for centrally cleared swap contracts | 1,740 |

| | |
|---|---------------|
| Net cash and foreign currencies from operating activities | \$ 14,223,601 |
|---|---------------|

Cash Flows Used in Financing Activities:

| | |
|------------------------------|----------------|
| Payments on borrowings | \$ (7,000,000) |
| Distributions to shareowners | (8,905,743) |

| | |
|--|-----------------|
| Net cash and foreign currencies used in financing activities | \$ (15,905,743) |
|--|-----------------|

Effect of Foreign Exchange Fluctuations on Cash:

| | |
|---|----------|
| Effect of foreign exchange fluctuations on cash | \$ 2,722 |
|---|----------|

Cash and Foreign Currencies:

| | |
|-------------------------|---------------|
| Beginning of the period | \$ 13,210,930 |
|-------------------------|---------------|

| | |
|-------------------|---------------|
| End of the period | \$ 11,531,510 |
|-------------------|---------------|

Cash Flow Information:

| | |
|------------------------|------------|
| Cash paid for interest | \$ 922,331 |
|------------------------|------------|

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

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 45

Financial Highlights

| | Six Months Ended 5/31/16 (unaudited) | Year Ended 11/30/15 | Year Ended 11/30/14 | Year Ended 11/30/13 |
|---|---|---------------------------|---------------------------|---------------------------|
| Per Share Operating Performance | | | | |
| Net asset value, beginning of period | \$ 12.30 | \$ 12.82 | \$ 13.06 | \$ 13.06 |
| Increase (decrease) from investment operations: (a) | | | | |
| Net investment income | \$ 0.20 | \$ 0.76 | \$ 0.75 | \$ 0.75 |
| Net realized and unrealized gain (loss) on investments, swap contracts, unfunded loan commitments, and foreign currency transactions | 0.19 | (0.58) | (0.19) | (0.19) |
| Distributions to preferred shareowners from: | | | | |
| Net investment income | \$ -- | \$ -- | \$ (0.00) (b) | \$ -- |
| Net increase from investment operations | \$ 0.39 | \$ 0.18 | \$ 0.56 | \$ 0.56 |
| Distributions to common shareowners from: | | | | |
| Net investment income and previously undistributed net investment income | \$ (0.36) * | \$ (0.70) | \$ (0.80) * | \$ (0.80) * |
| Net increase (decrease) in net asset value | \$ 0.03 | \$ (0.52) | \$ (0.24) | \$ (0.24) |
| Net asset value, end of period (c) | \$ 12.33 | \$ 12.30 | \$ 12.82 | \$ 13.06 |
| Market value, end of period (c) | \$ 11.17 | \$ 10.83 | \$ 11.36 | \$ 11.36 |
| Total return at market value (d) | 6.59% (e) | 1.31% | (2.32)% | (2.32)% |
| Ratios to average net assets of common shareowners: | | | | |
| Total expenses plus interest expense (f) (g) | 1.91% (h) | 1.81% | 1.80% | 1.80% |
| Net investment income before preferred share distributions | 3.38% (h) | 6.00% | 5.73% | 5.73% |
| Preferred share distributions | --% | --% | 0.01% | 0.01% |
| Net investment income available to common shareowners | 3.38% (h) | 6.00% | 5.72% | 5.72% |
| Portfolio turnover | 19% | 38% | 61% | 61% |
| Net assets of common shareowners, end of period (in thousands) | \$ 305,130 | \$ 304,357 | \$ 317,236 | \$ 317,236 |

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

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

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

| | Six Months Ended 5/31/16 (unaudited) | Year Ended 11/30/15 | Year Ended 11/30/14 | Year Ended 11/30/13 |
|--|---|---------------------------|---------------------------|---------------------------|
| Preferred shares outstanding (in thousands) | \$ -- | \$ -- | \$ --(i) | \$ -- |
| Asset coverage per preferred share, end of period | \$ -- | \$ -- | \$ --(i) | \$ -- |
| Average market value per preferred share (j) | \$ -- | \$ -- | \$ --(i) | \$ -- |
| Liquidation value, including dividends payable, per preferred share | \$ -- | \$ -- | \$ --(i) | \$ -- |
| Total amount of debt outstanding (in thousands) | \$ 143,450 | \$ 150,450 | \$155,450 | \$ -- |
| Asset coverage per indebtedness (in thousands) | \$ 3,127 | \$ 3,023 | \$ 3,041 | \$ -- |

* 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 decrease in distributions may have a negative effect on the market value of the Trust's shares.

- (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) 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.
- (d) Total investment return is calculated assuming a purchase of common shares at the current market value on the first day and a sale at the current market value on the last day of the periods reported. Dividends and distributions, if any, are assumed for purposes of this calculation to be reinvested at prices obtained under the Trust's dividend reinvestment plan. Total investment return does not reflect brokerage commissions. Past performance is not a guarantee of future results.
- (e) Not annualized.
- (f) Expense ratios do not reflect the effect of distribution payments to preferred shareowners.
- (g) Includes interest expense of 0.62%, 0.51%, 0.49%, 0.0%, 0.0%, and 0.0%, respectively.
- (h) Annualized.
- (i) Preferred shares were redeemed during the period.
- (j) Market value is redemption value without an active market.

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 47

Notes to Financial Statements | 5/31/16 (unaudited)

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

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.

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

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

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. Valuations may be supplemented by dealers and other sources, as required. 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.

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

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

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 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.

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

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 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.

Foreign securities are valued in U.S. dollars based on foreign currency exchange rate quotations supplied by a third party pricing service. 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 Fund's shares are determined as of such times. The fund may use a fair value model developed by an independent pricing service to value non-U.S. equity securities.

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

Forward foreign currency exchange contracts are valued daily using the foreign exchange rate or, for longer term forward contract positions, the spot currency rate, in each case provided by a third party pricing service. Contracts whose forward settlement date falls between two quoted days are valued by interpolation.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 49

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 are unable to supply prices or for which market prices and/or quotations are not readily available or are considered to be unreliable are valued by a fair valuation team comprised of certain personnel of Pioneer Investment Management, Inc. (PIM), the Trust's investment adviser, pursuant to procedures adopted by the Trust's Board of Trustees. PIM's fair valuation team uses fair value methods approved by the Valuation Committee of the Board of Trustees. PIM's 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 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.

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

At May 31, 2016, four securities were valued using fair value methods (in addition to securities valued using prices supplied by independent pricing services or broker-dealers) representing 0.5% of net assets. The value of these fair valued securities are \$1,416,850.

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 date 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.

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

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.

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 counterparties to meet the terms of the contracts and from unanticipated movements in the value of foreign currencies relative to the U.S. dollar.

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

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

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, 2015, the Trust did not accrue any interest or penalties with respect to uncertain tax positions, which if applicable, would be recorded as

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 51

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. generally accepted accounting principles. 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 shareholders 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, 2015 was as follows:

| | 2015 |
|--------------------------|--------------|
| Distributions paid from: | |
| Ordinary income | \$17,193,031 |
| Total | \$17,193,031 |

The following shows the components of distributable earnings (losses) on a federal income tax basis at November 30, 2015:

| | 2015 |
|--------------------------------------|-----------------|
| Distributable earnings: | |
| Undistributed ordinary income | \$ 1,373,744 |
| Capital loss carryforward | (143,540,509) |
| Late year loss deferrals | (1,586,040) |
| Other book/tax temporary differences | (5,138) |
| Unrealized depreciation | (17,429,231) |
| Total | \$(161,187,174) |

The difference between book-basis and tax-basis unrealized depreciation is

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

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 and book/tax temporary differences.

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

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

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, as defined within the terms of an event-linked bond occurs, 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.

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 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 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

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 53

or have common risks, making the Trust more susceptible to any economic, political, or regulatory developments or other risks affecting those industries and sectors.

The Trust invests in below investment grade (high yield) debt securities, floating rate loans and event-linked bonds sometimes referred to as "catastrophe" bonds or "insurance-linked" bonds. The Trust may invest in securities and other obligations of any credit quality, including those that are rated below investment grade, or are unrated but are determined by the investment adviser to be of equivalent credit quality. Below investment grade securities are commonly referred to as "junk bonds" and are considered speculative with respect to the issuer's capacity to pay interest and repay principal. Below investment grade securities, including floating rate loans, involve greater risk of loss, are subject to greater price volatility, and are less liquid and more difficult to value, especially during periods of economic uncertainty or change, than higher rated debt securities. The Trust may invest in securities of issuers that are in default or that are in bankruptcy. The value of collateral, if any, securing a floating rate loan can decline or may be insufficient to meet the issuer's obligations or may be difficult to liquidate. No 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.

The value of securities held by the fund 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.

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 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

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

held in safekeeping in the customer-only account of the Trust's custodian or a subcustodian of the Trust. The Trust's investment adviser, 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

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

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.

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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 55

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 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.

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

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

of securities. The Trust may buy or sell credit default swap contracts 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 contracts 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 contract, 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 contracts 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

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

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 contracts involving the sale of protection may involve greater risks than if the Trust had invested in the referenced debt instrument directly. Credit default swap contracts 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 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 contracts that are cleared through a central clearinghouse are referred to as centrally cleared swaps. All payments made or received by the Fund are pursuant to a centrally cleared swap - contract with the central clearing party rather than the original counterparty. Upon entering into a centrally cleared swap contract, the Fund is required to make an initial margin deposit, either in cash or in securities. The daily change in value on open centrally cleared contracts is recorded as variation margin on centrally cleared swaps on the Statement of Assets and Liabilities.

Open credit default swap contracts at May 31, 2016 are listed in the Schedule of Investments.

The average market value of swap contracts open during the six months ended

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

May 31, 2016 was \$56,653.

The amount of cash deposited with the broker as collateral at May 31, 2016, and is included in "Restricted cash" in the Statement of Assets and Liabilities, was \$101,426.

2. Management Agreement

PIM, a wholly owned indirect subsidiary of UniCredit S.p.A. (UniCredit), manages the Trust's portfolio. Management fees payable under the Trust's Advisory Agreement with PIM are calculated daily at the annual rate of 0.70% 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

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 57

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, 2016, the net management fee was 0.70% of the Trust's average daily managed assets, which was equivalent to 1.04% of the Trust's average daily net assets.

In addition, under PIM's management and administration agreements, certain other services and costs are paid by PIM and reimbursed by the Trust. At May 31, 2016, \$384,284 was payable to 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.

3. Transfer Agents

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 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.

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

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.

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

The fair value of open derivative instruments (not considered to be hedging instruments for accounting disclosure purposes) by risk exposure at May 31, 2016 was as follows:

Statement of Assets and Liabilities

| | Interest Rate Risk | Credit Risk | Foreign Exchange Risk | Equity Risk | Commodity Risk |
|--|-----------------------|-----------------|--------------------------|----------------|-------------------|
| Assets: | | | | | |
| Unrealized appreciation on swap contracts* | \$ -- | \$66,420 | \$ -- | \$ -- | \$ -- |
| Total Value | \$ -- | \$66,420 | \$ -- | \$ -- | \$ -- |

* Included in the amount shown on the Statement of Assets and Liabilities as restricted cash.

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, 2016 was as follows:

Statement of Operations

| | Interest Rate Risk | Credit Risk | Foreign Exchange Risk | Equity Risk | Commodity Risk |
|---|-----------------------|-----------------|--------------------------|----------------|-------------------|
| Net realized gain (loss): | | | | | |
| Swap contracts | \$ -- | \$17,122 | \$ -- | \$ -- | \$ -- |
| Total Value | \$ -- | \$17,122 | \$ -- | \$ -- | \$ -- |
| Change in net unrealized appreciation (depreciation) on: | | | | | |
| Swap contracts | \$ -- | \$72,273 | \$ -- | \$ -- | \$ -- |
| Total Value | \$ -- | \$72,273 | \$ -- | \$ -- | \$ -- |

5. Unfunded and Bridge Loan Commitments

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

Bridge loans are designed to provide temporary or "bridge" financing to a borrower pending the sale of identified assets or the arrangement of longer-term loans or the issuance and sale of debt obligations.

As of May 31, 2016, the Trust had no unfunded and bridge loan commitments.

6. Trust Shares

Transactions in shares of beneficial interest for the six months ended May 31, 2016 and the year ended November 30, 2015 were as follows:

| | 5/31/16 | 11/30/15 |
|---|------------|------------|
| 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 | 5/31/16 59

7. Loan Agreement

Effective November 26, 2013, the Trust entered into a 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 25, 2015, the Trust extended the maturity of the Credit Agreement for a 364 day period.

At May 31, 2016, the Trust had a borrowing outstanding under the Credit Agreement totaling \$143,450,000. The interest rate charged at May 31, 2016 was 1.25%. During the six months ended May 31, 2016, the average daily balance was \$145,113,043 at an average interest rate of 1.26%. With respect to the Credit Agreement, interest expense of \$924,725 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, 2016 from undistributed and accumulated net investment income of \$0.0600 per share payable June 30, 2016, to shareowners of record on June 15, 2016.

ADDITIONAL INFORMATION

During the period, there have been no material changes in the Trust's investment objective or fundamental policies that have not been approved by the shareowners. There have been no changes in the Trust's charter or By-Laws that would delay or prevent a change in control of the Trust which has not been approved by the shareowners. During the period, there have been no changes in the principal risk factors associated with investment in the Trust. There were

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

no changes in the persons who are primarily responsible for the day-to-day management of the Trust's portfolio.

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

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

PIM, the Trust's investment adviser, is currently an indirect, wholly owned subsidiary of UniCredit. On November 11, 2015, UniCredit announced that it signed a binding master agreement with Banco Santander and affiliates of Warburg Pincus and General Atlantic (the "Private Equity Firms") with respect to Pioneer Investments ("Pioneer") and Santander Asset Management ("SAM") (the "Transaction").

The Transaction, as previously announced by UniCredit, will establish a holding company, with the name Pioneer Investments, to be owned by UniCredit (50%) and the Private Equity Firms (50% between them). The holding company will control Pioneer's U.S. operations, including PIM. The holding company also will own 66.7% of Pioneer's and SAM's combined operations outside the U.S., while Banco Santander will own directly the remaining 33.3% stake. The closing of the Transaction is subject to certain regulatory and other approvals.

Under the Investment Company Act of 1940, completion of the Transaction will cause the Trust's current investment advisory agreement with PIM to terminate. Accordingly, the Trust's Board of Trustees will be asked to approve a new investment advisory agreement. If approved by the Board, the Trust's new investment advisory agreement will be submitted to the shareholders of the Trust for their approval.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 61

Trustees, Officers and Service Providers

Trustees

Thomas J. Perna, Chairman
David R. Bock
Benjamin M. Friedman
Margaret B.W. Graham
Lisa M. Jones
Lorraine H. Monchak
Marguerite A. Piret
Fred J. Ricciardi
Kenneth J. Taubes

Officers

Lisa M. Jones, President and Chief
Executive Officer
Mark E. Bradley, Treasurer and
Chief Financial Officer
Christopher J. Kelley, Secretary and
Chief Legal Officer

Investment Adviser and Administrator
Pioneer Investment Management, Inc.

Custodian and Sub-Administrator
Brown Brothers Harriman & Co.

Principal Underwriter
Pioneer Funds Distributor, Inc.

Legal Counsel
Morgan, Lewis & Bockius LLP

Transfer Agent
American Stock Transfer & Trust Company

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

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

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

This page for your notes.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 63

This page for your notes.

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

This page for your notes.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 65

This page for your notes.

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

This page for your notes.

Pioneer Floating Rate Trust | Semiannual Report | 5/31/16 67

This page for your notes.

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

How to Contact Pioneer

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

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

Account Information

1-800-710-0935

Or write to AST:

For

Write to

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

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

Dividend reinvestment plan (DRIP)

American Stock
Transfer & Trust

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

Wall Street Station
P.O. Box 922
New York, NY 10269-0560

Website www.amstock.com

For additional information, please contact your investment advisor or visit our web site us.pioneerinvestments.com.

The Trust files a complete schedule of investments with the Securities and Exchange Commission for the first and third quarters for each fiscal year on Form N-Q. Shareowners may view the filed Form N-Q by visiting the Commission's web site at www.sec.gov. The filed form may also be viewed and copied at the Commission's Public Reference Room in Washington, DC. Information regarding the operations of the Public Reference Room may be obtained by calling 1-800-SEC-0330.

[LOGO] PIONEER
Investments (R)

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

Securities offered through Pioneer Funds Distributor, Inc.
60 State Street, Boston, MA 02109
Underwriter of Pioneer Mutual Funds, Member SIPC
(C) 2016 Pioneer Investments 19389-10-0716

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-CSR

(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-CSR

- (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.

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

N/A

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

N/A

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

PIONEER FUNDS

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

SECTION I - POLICY PURPOSE AND APPLICABILITY

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

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

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

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

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

SECTION II - POLICY

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

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

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

| | | |
|----------------------------------|---|---|
| II. AUDIT-RELATED SERVICES | Services which are not prohibited under Rule 210.2-01(C)(4) (the "Rule") and are related extensions of the audit services support the audit, or use the knowledge/expertise gained from the audit procedures as a foundation to complete the project. In most cases, if the Audit-Related Services are not performed by the Audit firm, the scope of the Audit Services would likely increase. The Services are typically well-defined and governed by accounting professional standards (AICPA, SEC, etc.) | o AICPA attest and agreed-upon procedures o Technology control assessments o Financial reporting control assessments o Enterprise security architecture assessment |
|----------------------------------|---|---|

AUDIT COMMITTEE APPROVAL POLICY

AUDIT COMMITTEE REPORTING POLICY

- | | |
|--|---|
| <ul style="list-style-type: none">o "One-time" pre-approval for the audit period for all pre-approved specific service subcategories. Approval of the independent auditors as auditors for a Fund shall constitute pre approval for these services. | <ul style="list-style-type: none">o A summary of all such services and related fees reported at each regularly scheduled Audit Committee meeting. |
| <ul style="list-style-type: none">o "One-time" pre-approval for the fund fiscal year within a specified dollar limit for all pre-approved specific service subcategorieso Specific approval is needed to exceed the pre-approved dollar limit for these services (see general Audit Committee approval policy below for details on obtaining specific approvals)o Specific approval is needed to use the Fund's auditors for Audit-Related | <ul style="list-style-type: none">o A summary of all such services and related fees (including comparison to specified dollar limits) reported quarterly. |

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

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

SECTION III - POLICY DETAIL, CONTINUED

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

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

SECTION III - POLICY DETAIL, CONTINUED

| SERVICE CATEGORY | SERVICE CATEGORY DESCRIPTION | SPECIFIC PRE-APPROVED SERVICE SUBCATEGORIES |
|--|---|--|
| <p>IV. OTHER SERVICES</p> <p>A. SYNERGISTIC, UNIQUE QUALIFICATIONS</p> | <p>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.</p> | <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-CSR

| SERVICE CATEGORY | SERVICE CATEGORY DESCRIPTION | SPECIFIC PROHIBITED SERVICE SUBCATEGORIES |
|---------------------|--|---|
| PROHIBITED SERVICES | Services which result in the auditors losing independence status under the Rule. | <ol style="list-style-type: none"> 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-CSR

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

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-CSR

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 semi-annual report.

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 semi-annual report.

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).

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

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

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

Describe any material changes to the procedures by which shareholders may recommend nominees to the 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:

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

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

ITEM 12. EXHIBITS.

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

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

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

Filed herewith.

SIGNATURES

[See General Instruction F]

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) Pioneer Floating Rate Trust

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

Date July 29, 2016

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.

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

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

Date July 29, 2016

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

Date July 29, 2016

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