

Nuveen Energy MLP Total Return Fund
Form N-CSR
February 07, 2019

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 811-22482
Nuveen Energy MLP Total Return Fund

(Exact name of registrant as specified in charter)

Nuveen Investments

333 West Wacker Drive

Chicago, IL 60606

(Address of principal executive offices) (Zip code)

Gifford R. Zimmerman

Nuveen Investments

333 West Wacker Drive

Chicago, IL 60606

(Name and address of agent for service)

Registrant's telephone number, including area code: (312) 917-7700

Date of fiscal year end: November 30

Date of reporting period: November 30, 2018

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

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

ITEM 1. REPORTS TO STOCKHOLDERS.

Closed-End Funds

30 November

2018

Nuveen Closed-End Funds

JMF Nuveen Energy MLP Total Return Fund

JMLP Nuveen All Cap Energy MLP Opportunities Fund

Beginning on January 1, 2021, as permitted by regulations adopted by the Securities and Exchange Commission, paper copies of the Funds' annual and semi-annual shareholder reports will no longer be sent by mail, unless you specifically request paper copies of the reports. Instead, the reports will be made available on the Funds' website (www.nuveen.com), and you will be notified by mail each time a report is posted and provided with a website link to access the report.

If you have already elected to receive shareholder reports electronically, you will not be affected by this change and you need not take any action. You may elect to receive shareholder reports and other communications from the Funds electronically anytime by contacting the financial intermediary (such as a broker-dealer or bank) through which you hold your Fund shares or, if you are a direct investor, by enrolling at www.nuveen.com/e-reports.

You may elect to receive all future shareholder reports in paper free of charge at any time by contacting your financial intermediary or, if you are a direct investor, (i) by calling 800-257-8787 and selecting option #2 or (ii) by logging into your Investor Center account at www.computershare.com/investor and clicking on "Communication Preferences." Your election to receive reports in paper will apply to all funds held in your account with your financial intermediary or, if you are a direct investor, to all your directly held Nuveen Funds and any other directly held funds within the same group of related investment companies.

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Chairman's Letter to Shareholders

Dear Shareholders,

The global economy seemed to reach a turning point in 2018. Growth was peaking in the U.S. and slowing elsewhere. Deregulation and tax law changes, which lowered corporate and individual tax rates and encouraged companies to repatriate overseas profits, helped boost U.S. economic growth and amplify corporate earnings during 2018. Meanwhile, a weakening housing market and a flattening yield curve in the U.S. and disappointing economic growth across Europe, China and Japan signaled caution. With future corporate profit growth looking less certain, rising interest rates, a stronger U.S. dollar, trade wars and unpredictable politics, bearish sentiment started to take hold, pressuring stocks, corporate bonds and commodities alike.

Although downside risks have been rising, the likelihood of a near-term recession remains low. Global growth is indeed slowing, but it's still positive. The U.S. economy remains strong, even in the face of late-cycle pressures. Low unemployment and firming wages should continue to support consumer spending, and the November mid-term elections resulted in change, but no major surprises. In China, the government remains committed to using fiscal stimulus to offset softening exports. Europe also remains vulnerable to trade policy as well as Brexit uncertainty, but underlying strengths in European economies, including low unemployment that drives domestic demand, remain supportive of a mild expansion. In a slower growth environment, there are opportunities for investors who seek them more selectively.

We expect volatility and challenging conditions to persist in 2019 but also think there is potential for upside. You can prepare your investment portfolio by working with your financial advisor to review your goals, timeline and risk tolerance. On behalf of the other members of the Nuveen Fund Board, we look forward to continuing to earn your trust in the months and years ahead.

Sincerely,

Terence J. Toth

Chairman of the Board

January 22, 2019

Portfolio Managers Comments

Nuveen Energy MLP Total Return Fund (JMF)

Nuveen All Cap Energy MLP Opportunities Fund (JMLP)

The Funds' investment adviser is Nuveen Fund Advisors, LLC (NFAL), an affiliate of Nuveen, LLC. These Funds feature portfolio management by the MLP & Energy Infrastructure team of Advisory Research, Inc., which is a wholly-owned subsidiary of Piper Jaffray Companies. James J. Cunnane Jr., CFA, Managing Director and Chief Investment Officer for the MLP & Energy Infrastructure team and Quinn T. Kiley, Managing Director and Senior Portfolio Manager, manage the Funds.

Here they discuss U.S. economic and market conditions, key investment strategies and the performance of the Funds for the twelve-month reporting period ended November 30, 2018.

What factors affected the U.S. economy and financial markets during the twelve-month reporting period ended November 30, 2018?

The U.S. economy accelerated in this reporting period, with gross domestic product (GDP) growth reaching 4.2% (annualized) in the second quarter of 2018, the fastest pace since 2014, then receding to a still relatively robust 3.4% annualized rate in the third quarter of 2018, according to the Bureau of Economic Analysis' third estimate. GDP is the value of goods and services produced by the nation's economy less the value of the goods and services used up in production, adjusted for price changes. The boost in economic activity during the second quarter of 2018 was attributed to robust spending by consumers, businesses and the government, as well as a temporary increase in exports, as farmers rushed soybean shipments ahead of China's retaliatory tariffs. While consumer and government spending continued to drive economic growth in the third quarter, the export contribution declined as expected and both business spending and housing investment weakened.

Consumer spending, the largest driver of the economy, remained well supported by low unemployment, wage gains and tax cuts. As reported by the Bureau of Labor Statistics, the unemployment rate fell to 3.7% in November 2018 from 4.1% in November 2017 and job gains averaged around 203,000 per month for the past twelve months. The jobs market has continued to tighten, while average hourly earnings grew at an annualized rate of 3.1% in November 2018. The Consumer Price Index (CPI) increased 2.2% over the twelve-month reporting period ended November 30, 2018 on a seasonally adjusted basis, as reported by the Bureau of Labor Statistics.

Low mortgage rates and low inventory drove home prices higher during this recovery cycle. But the price momentum slowed in recent months as mortgage rates began to drift higher and homes have become less affordable. The S&P CoreLogic Case-Shiller U.S. National Home Price Index, which covers all nine U.S. census divisions, was up 5.5% year-over-year in October 2018 (most recent data available at the time this report was prepared). The 10-City and 20-City Composites reported year-over-year increases of 4.7% and 5.0%, respectively.

This material is not intended to be a recommendation or investment advice, does not constitute a solicitation to buy or sell securities, and is not provided in a fiduciary capacity. The information provided does not take into account the specific objectives or circumstances of any particular investor, or suggest any specific course of

action. Investment decisions should be made based on an investor's objectives and circumstances and in consultation with his or her advisors.

Certain statements in this report are forward-looking statements. Discussions of specific investments are for illustration only and are not intended as recommendations of individual investments. The forward-looking statements and other views expressed herein are those of the portfolio managers as of the date of this report. Actual future results or occurrences may differ significantly from those anticipated in any forward-looking statements and the views expressed herein are subject to change at any time, due to numerous market and other factors. The Funds disclaim any obligation to update publicly or revise any forward-looking statements or views expressed herein.

Refer to the Glossary of Terms Used in this report for further definition of the terms used within this section.

Portfolio Managers' Comments(continued)

With the U.S. economy delivering a sustainable growth rate and employment strengthening, the Federal Reserve's (Fed) policy making committee continued to incrementally raise its main benchmark interest rate. The most recent increase, in December 2018 (subsequent to the close of the reporting period), was the fourth rate hike in 2018 and the ninth rate hike since December 2015. Fed Chair Janet Yellen's term expired in February 2018, and the new Chairman Jerome Powell maintained the Fed's gradual pace of interest rate hikes. However, amid signs that economic growth might have peaked, the markets' unease about the future pace of monetary tightening, along with other factors, drove sharp volatility in the final months of 2018. Additionally, the Fed continued reducing its balance sheet by allowing a small amount of maturing Treasury and mortgage securities to roll off each month without reinvestment.

During the twelve-month reporting period, geopolitical news remained a prominent market driver. The U.S. moved forward with tariffs on imported goods from China, as well as on steel and aluminum from Canada, Mexico and Europe. These countries announced retaliatory measures in kind, intensifying concerns about a trade war, although there have been some positive developments. In July 2018, the U.S. and the European Union announced they would refrain from further tariffs while they negotiate trade terms, and in October 2018, the U.S., Mexico and Canada agreed to a new trade deal to replace the North American Free Trade Agreement. At the November 2018 G-20 summit, the U.S. and China agreed to a 90-day trade truce, although the details were murky. Brexit negotiations continued to be uncertain and Prime Minister Theresa May faced significant difficulty getting a plan approved in Parliament. Elsewhere in Europe, markets remained nervous about Italy's new euroskeptic coalition government, immigration policy and political risk in Turkey. The U.S. Treasury issued additional sanctions on Russia in April 2018 and re-imposed sanctions on Iran following the U.S. withdrawal from the 2015 nuclear agreement. Bearish crude oil supply news, along with heightened tensions between the U.S. and Saudi Arabia after the disappearance of a Saudi journalist, drove oil price volatility. On the Korean peninsula, the leaders of South Korea and North Korea met during April 2018 and jointly announced a commitment toward peace, while the U.S.-North Korea summit yielded an agreement with few additional details.

Energy infrastructure and master limited partnership (MLP) fundamentals were very strong during the reporting period while investor returns were modest. MLPs rallied to begin 2018, up approximately 15% from November 2017 lows through January 2018. On March 15, 2018, the Federal Energy Regulatory Commission (FERC) issued a statement shifting policy on how taxes are incorporated into the regulatory tariffs pipelines are allowed to charge their customers. The FERC's policy stated that pipelines it regulates that are owned by MLPs will not be allowed to recover tax allowances through their tariffs going forward. Although not all midstream assets are impacted and very few companies are acutely harmed, the FERC policy decision caused the entire MLP group to sell off the last two weeks of March 2018. Strong energy industry earnings in the second and third quarters of 2018 pushed MLPs higher again, while closing 2018 with weakness across the global equity and commodity markets. MLPs and energy infrastructure investments were not immune to the sell-off and surrendered most of their gains for 2018.

A significant factor in MLP performance for the reporting period was the large number of consolidations that occurred between MLPs and their parent companies. Many of these transactions resulted in distribution cuts and taxable events for investors and in the short term investors generally reacted negatively. We believe that investors will eventually focus more on the long term benefits, which include lower leverage, more stable distributions that are better covered by cash flow, growth capital that is more internally funded, and better aligned governance.

How did the Funds perform during this twelve-month reporting period ended November 30, 2018?

The tables in each Fund's Performance Overview and Holding Summaries section of this report provide total returns for the one-year, five-year and since inception periods, where applicable, ended November 30, 2018. Each Fund's total

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returns at net asset value (NAV) are compared with the performance of a corresponding market index. The total return at NAV for both funds underperformed both the Alerian MLP Index (Index) and the S&P 500 during the twelve-month reporting period.

The Funds are taxed as C corporations, and unlike most other investment companies, they pay taxes on their own income. Consequently, as explained more fully later in the report, the Funds adjustments to their assets and liabilities

to reflect the Funds' projected tax payments can significantly impact Fund share performance. In the most recent twelve month reporting period, those tax adjustments had a positive impact on the share performance of JMF and no impact on the share performance of JMLP.

The Funds employ leverage. In the most recent twelve-month reporting period, this leverage had a negative impact on the Funds' total return. You should consider the Funds' tax adjustments and leverage when comparing each Fund's performance to the Index and S&P 500® Index, as neither index is leveraged nor affected by the tax treatment of gains or losses. As a result, the Funds' total return performance could differ significantly from the actual returns of its portfolio and that of the indexes, even if the pre-tax adjustment performance of the Funds' portfolio assets and the performance of the indexes were similar.

We will divide the discussion of the various strategies used by and features of the Funds, and how each of them impacted the performance of the Funds' shares during the twelve-month reporting period ended November 30, 2018, into the following sub-sections:

Impact of portfolio management strategies on Fund share performance

Impact of tax adjustments on Fund share performance

Impact of leverage on Fund share performance

Impact of the Funds' primary portfolio investment strategies on Fund share performance.

Both Funds continue to invest primarily in publicly traded MLPs operating in the energy sector with the main objective of providing a tax-advantaged total return.

During the reporting period, the Funds were primarily invested in midstream MLPs that own pipelines and other infrastructure facilities. These assets provide an essential service to our economy: procuring, processing, storing and transporting the commodities and products that fuel every aspect of our lives.

JMF's portfolio underperformed the Index for the twelve-month reporting period ended November 30, 2018. The Fund's allocation towards high quality oil and gas pipelines owned by MLPs detracted from performance during the reporting period as the FERC decision changed the outlook for these companies. Although investors moved past the FERC decision, those MLPs directly impacted did not recover and suffered significant losses. The Fund owned TC PipeLines LP and Enbridge Energy Partners LP, both of which are potentially materially impacted by the FERC policy change. As a group, the lowest quality MLPs outperformed during the reporting period, which hurt the Funds' relative performance. Energy Transfer Partners LP and Williams Partners LP were both acquired by their respective general partners during the reporting period and as a result were the top contributors to the Fund's performance. The Fund no longer holds any exposure to TC PipeLines LP.

JMLP's portfolio performance underperformed the Index for the twelve-month reporting period ended November 30, 2018. JMLP's strategy is differentiated from JMF in the following ways: 1) JMLP will not own the top ten constituents in the Index, and 2) JMLP will not purchase securities in the bottom 30% of the universe, as defined by the sub-adviser's Quality Scorecard process, which ranks each constituent of the investable MLP universe according to fundamental metrics. JMLP's strategy did not work during the reporting period, with the investable universe

underperforming the Index return which was driven by the top ten holdings in the Index. As in JMF, exposure to Enbridge Energy Partners LP detracted from performance for the Fund. Avoiding the lowest quality securities was additive to performance for JMLP. This is in contrast to the above comments on JMF, and it is due to the fact that JMLP's mandate to own smaller capitalization MLPs requires us to look at a larger universe of securities, many of which are not in the Index.

Impact of tax adjustments on the Funds' share performance

Each Fund is treated as a C Corporation for U.S. federal income tax purposes and therefore is a taxable entity, meaning that in addition to recording a current tax expense on current year earnings and realized gains, they also record

Portfolio Managers Comment(continued)

either a net deferred tax liability representing the future taxes projected to be payable on unrealized portfolio gains, or a net deferred tax asset representing the tax benefit projected to be associated with realized and unrealized portfolio losses. These tax adjustment entries on the Funds' accounting records are intended to ensure that the Funds' NAVs take into account the future income tax that the Funds may be liable for based on unrealized appreciation as well as the tax benefit of losses that may be used to offset future earnings. Such entries will often have a moderating impact on the total returns of investment of the Funds' shares during a particular measurement period. An increase in the value of a Fund's portfolio investments will typically trigger an increase to the deferred tax liability or a reduction to the deferred tax asset that would partially offset the portfolio value increases; in contrast, a decrease in value of the Fund's portfolio investments will typically trigger a reduction in a deferred tax liability and/or an increase to the deferred tax asset, which again would tend to partially offset such portfolio value decreases.

During the reporting period for JMF, the projected future tax liability of the Fund decreased, resulting in a positive contribution to NAV performance.

To the extent that a Fund has a deferred tax asset, consideration is given to whether or not a valuation allowance is required that would offset the tax asset. Accounting principles dictate that the determination of such a valuation allowance is based on whether there is a more-likely-than-not probability that some portion or all of the deferred tax asset will not be realized.

At November 30, 2017, JMLP had a valuation allowance to offset the deferred tax asset. This allowance still existed at November 30, 2018. As a result, there was no impact to NAV performance associated with the deferred tax asset or liability. In light of the passage and signing into law on December 22, 2017 of the Tax Cuts and Jobs Act of 2017, JMF made adjustments on that day to the Fund's estimate of its deferred tax liability balance. The Fund's deferred tax liability and/or asset balances are determined using estimates of effective tax rates expected to apply to taxable income in the years such balances are realized. The Tax Cuts and Jobs Act of 2017 reduced the statutory federal income tax rate applicable to corporations, such as JMF and JMLP, from 35% to 21%. JMF reduced the estimate of its net deferred tax liability balance to reflect this reduction in the corporate federal income tax rate; this reduced its net deferred tax liability balance as of December 22, 2017 from an amount that would have been somewhat in excess of \$35 million to approximately \$22 million. That adjustment in turn caused JMF's net asset value to increase by \$0.33 per common share.

JMLP, on the other hand, had a net deferred tax asset immediately prior to December 22, 2017, but that asset had a fully offsetting valuation allowance. The amount of JMLP's net deferred tax asset decreased on December 22, 2017 due to the reduction in the income tax rate, but the valuation allowance was also reduced by the same amount, resulting in no impact to the net asset value of that Fund.

Further modifications of the Funds' estimates or assumptions regarding its deferred tax liability and/or asset balances and any applicable valuation allowance could result in increases or decreases in the Fund's net asset value per share, which could be material.

Impact of the Funds' leverage strategies on performance

One important factor impacting the returns of the Funds' common shares relative to their comparative benchmarks was the Funds' use of leverage through bank borrowings. The Funds use leverage because our research has shown that, over time, leveraging provides opportunities for additional income and total return, particularly in the recent market environment where short-term market rates are at or near historical lows, meaning that the short-term rates the Fund

has been paying on its leveraging instruments in recent years have been much lower than the interest the Fund has been earning on its portfolio securities that it has bought with the proceeds of that leverage.

However, use of leverage can expose Fund common shares to additional price volatility. When a Fund uses leverage, the Fund common shares will experience a greater increase in their net asset value if the securities acquired through the use of leverage increase in value, but will also experience a correspondingly larger decline in their net asset value if the

securities acquired through leverage decline in value, which will make the shares' net asset value more volatile, and total return performance more variable, over time.

In addition, common share income in levered funds will typically decrease in comparison to unlevered funds when short-term interest rates increase and increase when short-term interest rates decrease. Over the last few quarters, short-term interest rates have indeed increased from their extended lows after the 2007-09 financial crisis. This increase has reduced common share net income, and also reduced potential for long-term total returns. Nevertheless, the ability to effectively borrow at current short-term rates is still resulting in enhanced common share income, and management believes that the advantages of continuation of leverage outweigh the associated increase in risk and volatility described above.

For the twelve-month reporting period ended November 30, 2018, leverage had a negligible impact on the total return performance of JMF and negative impact on JMLP.

The Funds employ regulatory leverage through the use of bank borrowings. As of November 30, 2018, the Funds had outstanding bank borrowings as shown in the accompanying table.

| | JMF | JMLP |
|------------------------|-----------------------|----------------------|
| Bank Borrowings | \$ 170,400,000 | \$ 37,750,000 |

As of November 30, 2018, the Funds' leverage, expressed as a percentage of total managed assets, were as shown in the accompanying table.

| | JMF | JMLP |
|-----------------------------|---------------|---------------|
| Effective Leverage* | 29.51% | 28.78% |
| Regulatory Leverage* | 29.51% | 28.78% |

*Effective Leverage is a Fund's effective economic leverage, and includes both regulatory leverage and the leverage effects of certain derivative and other investments in a Fund's portfolio that increase the Fund's investment exposure. Regulatory leverage consists of preferred shares issued or borrowings of a Fund. Both of these are part of a Fund's capital structure. A Fund, however, may from time to time borrow on a typically transient basis in connection with its day-to-day operations, primarily in connection with the need to settle portfolio trades. Such incidental borrowings are excluded from the calculation of a Fund's effective leverage ratio. Regulatory leverage is subject to asset coverage limits set forth in the Investment Company Act of 1940.

Bank Borrowings

As noted above, the Funds employ leverage through the use of bank borrowings.

The Funds operate under established leverage guidelines. During the current reporting period, volatility in the MLP market caused the Funds to periodically reduce and increase the amount of their outstanding borrowings in order to maintain levels consistent with these guidelines. The Funds' bank borrowing activities are as shown in the accompanying table.

Current Reporting Period

**Subsequent to the Close of
the Reporting Period**

| Fund | December 1, 2017 | | | November 30, 2018 | | | January 25, 2019 | | |
|------|------------------|--------------|-----------------|-------------------|-----------------------------|-------|------------------|----------------|--|
| | Balance | Draws | Paydowns | Balance | Average Balance Outstanding | Draws | Paydowns | Balance | |
| JMF | \$ 175,000,000 | \$ 7,000,000 | \$ (11,600,000) | \$ 170,400,000 | \$ 169,768,493 | \$ | \$ (14,300,000) | \$ 156,100,000 | |
| JMLP | \$ 41,500,000 | \$ 1,600,000 | \$ (5,350,000) | \$ 37,750,000 | \$ 39,077,945 | \$ | \$ (4,650,000) | \$ 33,100,000 | |

Refer to Notes to Financial Statements, Note 7 Borrowing Arrangements for further details.

During the reporting period, JMF and JMLP continued to utilize forward interest rate swap contracts to hedge the future interest expense of its leverage. During the reporting period, these swaps had a positive impact on the Funds overall performance.

Share**Information****DISTRIBUTION INFORMATION**

The following information regarding the Funds' distributions is current as of November 30, 2018, the Funds' fiscal and tax year end, and may differ from previously issued distribution notifications.

The Funds have a cash flow-based distribution program. Under this program, each Fund seeks to maintain an attractive and stable regular distribution based on the Fund's net cash flow received from its portfolio investments. Fund distributions are not intended to include expected portfolio appreciation; however, each Fund invests in securities that make payments which ultimately may be fully or partially treated as gains or return of capital for tax purposes. This tax treatment will generally flow through to the Fund's distributions, but the specific tax treatment is often not known with certainty until after the end of the Fund's tax year. As a result, regular distributions throughout the year are likely to be re-characterized for tax purposes as either long-term gains (both realized and unrealized), or as a non-taxable return of capital.

The figures in the table below provide the sources (for tax purposes) of each Fund's distributions as of November 30, 2018. These source estimates include amounts currently estimated to be attributable to realized gains and/or returns of capital. The Funds attribute these non-income sources equally to each regular distribution throughout the fiscal year. The information shown below is for the distributions paid on common shares for all prior months in the current fiscal year. These amounts should not be used for tax reporting purposes, and the distribution sources may differ for financial reporting than for tax reporting. The final determination of the tax characteristics of all distributions paid in 2018 will be made in early 2019 and reported to you on Form 1099-DIV. More details about the tax characteristics of each Fund's distributions are available on www.nuveen.com/CEFdistributions.

Data as of November 30, 2018

| Fund | Fiscal YTD Percentage of the Distribution | | | | Fiscal YTD Per Share Amounts | | |
|------------------|------------------------------------------------------|---------------------------|--------------------------------------------|--------------------------------|--------------------------------------------|---------------------------|--------------------------------------------|
| | Net | | | | Net | | |
| | Investment Income⁽¹⁾ | Realized Gains | Return of Capital⁽²⁾ | Total Distributions | Investment Income⁽¹⁾ | Realized Gains | Return of Capital⁽²⁾ |
| JMF (FYE 11/30) | 47.24% | 0.00% | 52.76% | \$ 1.1000 | \$ 0.5200 | \$ 0.0000 | \$ 0.5800 |
| JMLP (FYE 11/30) | 0.00% | 0.00% | 100% | \$ 0.8250 | \$ 0.0000 | \$ 0.0000 | \$ 0.8250 |

⁽¹⁾ NII is Net Investment Income. The funds may have current fiscal year earnings and profits, and if so, a portion or all of the distributions may be treated as ordinary dividend income.

⁽²⁾ Return of Capital may represent unrealized gains, return of shareholders' principal, or both.

The following table provides information regarding fund distributions and total return performance over various time periods. This information is intended to help you better understand whether fund returns for the specified time periods were sufficient to meet fund distributions.

Data as of November 30, 2018

| Fund | Inception Date | Latest Quarterly Distribution Per Share | Current Distribution on NAV | Annualized | | Calendar YTD Distributions on NAV | Cumulative Calendar YTD Return on NAV |
|------------------|-------------------|--------------------------------------------------|--------------------------------------|----------------------------|-------------------------------------|--------------------------------------------|---------------------------------------------------|
| | | | | 1-Year Return on NAV | Since Inception Return on NAV | | |
| JMF (FYE 11/30) | 2/23/2011 | \$0.2500 | 10.02% | 0.83% | (0.05)% | 11.02% | (5.58)% |
| JMLP (FYE 11/30) | 3/26/2014 | \$0.1875 | 10.84% | (6.91)% | (10.44)% | 11.92% | (11.44)% |

EQUITY SHELF PROGRAM

During the current reporting period, the Funds were authorized by the Securities and Exchange Commission (SEC) to issue additional shares through an equity shelf program (Shelf Offering). Under these programs, the Funds, subject to market conditions, may raise additional capital from time to time in varying amounts and offering methods at a net price at or above each Fund's NAV per share. Under the Shelf Offerings, each Fund is authorized to issue additional shares as shown in the accompanying table.

| | JMF | JMLP |
|------------------------------|------------|-------------|
| Additional authorized shares | 9,800,000 | 3,100,000 |

During the current reporting period, the Funds sold shares through their Shelf Offering at a weighted average premium to their NAV per share as shown in the accompanying table.

| | JMF | JMLP |
|------------------------------------------------|------------|-------------|
| Shares sold through Shelf Offering | 688,792 | 337,500 |
| Weighted average premium to NAV per share sold | 1.63% | 1.57% |

Refer to Notes to Financial Statements, Note 4 Fund Shares, Equity Shelf Programs and Offering Costs for further details of Shelf Offerings and each Fund's respective transactions.

SHARE REPURCHASES

During August 2018, the Funds' Board of Trustees reauthorized an open-market share repurchase program, allowing each Fund to repurchase an aggregate of up to approximately 10% of its outstanding shares.

As of November 30, 2018, and since the inception of the Funds' repurchase programs, the Funds have cumulatively repurchased and retired their outstanding shares as shown in the accompanying table.

| | JMF | JMLP |
|---------------------------------------------|------------|-------------|
| Shares cumulatively repurchased and retired | | |
| Shares authorized for repurchase | 4,080,000 | 1,350,000 |

OTHER SHARE INFORMATION

As of November 30, 2018, and during the current reporting period, the Funds' share prices were trading at a premium/(discount) to their NAVs as shown in the accompanying table.

| | JMF | JMLP |
|--------------------------------------------|------------|-------------|
| NAV | \$ 9.98 | \$ 6.92 |
| Share price | \$ 9.19 | \$ 6.24 |
| Premium/(Discount) to NAV | (7.92)% | (9.83)% |
| 12-month average premium/(discount) to NAV | (4.59)% | (3.69)% |

Risk

Considerations

Fund shares are not guaranteed or endorsed by any bank or other insured depository institution, and are not federally insured by the Federal Deposit Insurance Corporation.

Nuveen Energy MLP Total Return Fund (JMF)

Investing in closed-end funds involves risk; principal loss is possible. There is no guarantee the Fund's investment objectives will be achieved. Closed-end fund shares may frequently trade at a discount or premium to their net asset value. **MLP Units** are subject to energy sector concentration risk, limited voting rights, and heightened tax risk. **Common stock** returns often have experienced significant volatility. **Leverage** increases return volatility and magnifies the Fund's potential return and its risks; there is no guarantee a fund's leverage strategy will be successful. For these and other risks such as **tax risk**, please see the Fund's web page at www.nuveen.com/JMF.

Nuveen All Cap Energy MLP Opportunities Fund (JMLP)

Investing in closed-end funds involves risk; principal loss is possible. There is no guarantee the Fund's investment objectives will be achieved. Closed-end fund shares may frequently trade at a discount or premium to their net asset value. **MLP Units** are subject to energy sector concentration risk, limited voting rights, and heightened tax risk. **Common stock** returns often have experienced significant volatility. **Leverage** increases return volatility and magnifies the Fund's potential return and its risks; there is no guarantee a fund's leverage strategy will be successful. For these and other risks, including **tax risk** and **small capitalization risk**, please see the Fund's web page at www.nuveen.com/JMLP.

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JMF Nuveen Energy MLP Total Return Fund

Performance Overview and Holding Summaries as of November 30, 2018

Refer to the Glossary of Terms Used in this Report for further definition of the terms used within this section.

Average Annual Total Returns as of November 30, 2018

| | Average Annual | | Since |
|--------------------|-----------------------|---------------|------------------|
| | 1-Year | 5-Year | Inception |
| JMF at NAV | 0.83% | (4.91)% | (0.05)% |
| JMF at Share Price | (3.98)% | (5.09)% | (1.28)% |
| Alerian MLP Index | 1.21% | (5.16)% | 1.23% |
| S&P 500® Index | 6.27% | 11.12% | 12.44% |

Since inception returns are from 2/23/11. Past performance is not predictive of future results. Current performance may be higher or lower than the data shown. Returns do not reflect the deduction of taxes that shareholders may have to pay on Fund distributions or upon the sale of Fund shares. Returns at NAV are net of Fund expenses, and assume reinvestment of distributions. Comparative index return information is provided for the Fund's shares at NAV only. Indexes are not available for direct investment.

Share Price Performance Weekly Closing Price

This data relates to the securities held in the Fund's portfolio of investments as of the end of the reporting period. It should not be construed as a measure of performance for the Fund itself. Holdings are subject to change.

Fund Allocation

(% of net assets)

| | |
|-------------------------------------------------------------------|---------------|
| Master Limited Partnerships & MLP Affiliates | 126.7% |
| Common Stocks | 16.8% |
| Repurchase Agreements | 1.4% |
| Other Assets Less Liabilities | 0.7% |
| Net Assets Plus Borrowings and Deferred Tax Liability, net | 145.6% |
| Borrowings | (41.9)% |
| Deferred Tax Liability, net | (3.7)% |
| Net Assets | 100% |

Portfolio Composition

(% of total investments)

| | |
|--------------------------------|-------------|
| Oil, Gas & Consumable Fuels | 97.6% |
| Diversified Financial Services | 0.9% |
| Energy Equipment & Services | 0.5% |
| Repurchase Agreements | 1.0% |
| Total | 100% |

Top Ten Issuers

(% of total long-term investments)

| | |
|---------------------------------|-------|
| Energy Transfer LP | 11.0% |
| DCP Midstream LP | 8.5% |
| EnLink Midstream Partners LP | 7.8% |
| Andeavor Logistics LP | 6.1% |
| Western Gas Partners LP | 5.8% |
| ONEOK, Inc. | 5.3% |
| Targa Resources Corp. | 5.1% |
| Plains All American Pipeline LP | 5.0% |
| MPLX LP | 4.9% |
| Enable Midstream Partners LP | 4.6% |

JMLP

Nuveen All Cap Energy MLP Opportunities Fund

Performance Overview and Holding Summaries as of November 30, 2018

Refer to the Glossary of Terms Used in this Report for further definition of the terms used within this section.

Average Annual Total Returns as of November 30, 2018

| | Average Annual | |
|---------------------|-----------------------|------------------------|
| | 1-Year | Since Inception |
| JMLP at NAV | (6.91)% | (10.44)% |
| JMLP at Share Price | (13.77)% | (13.14)% |
| Alerian MLP Index | 1.21% | (5.86)% |
| S&P 500® Index | 6.27% | 11.16% |

Since inception returns are from 3/26/14. Past performance is not predictive of future results. Current performance may be higher or lower than the data shown. Returns do not reflect the deduction of taxes that shareholders may have to pay on Fund distributions or upon the sale of Fund shares. Returns at NAV are net of Fund expenses, and assume reinvestment of distributions. Comparative index return information is provided for the Fund's shares at NAV only. Indexes are not available for direct investment.

Share Price Performance Weekly Closing Price

This data relates to the securities held in the Fund's portfolio of investments as of the end of the reporting period. It should not be construed as a measure of performance for the Fund itself. Holdings are subject to change.

Fund Allocation

(% of net assets)

| | |
|----------------------------------------------|---------------|
| Master Limited Partnerships & MLP Affiliates | 127.0% |
| Common Stocks | 11.9% |
| Repurchase Agreements | 0.9% |
| Other Assets Less Liabilities | 0.6% |
| Net Assets Plus Borrowings | 140.4% |
| Borrowings | (40.4)% |
| Net Assets | 100% |

Portfolio Composition

(% of total investments)

| | |
|--------------------------------|-------------|
| Oil, Gas & Consumable Fuels | 96.1% |
| Gas Utilities | 2.4% |
| Diversified Financial Services | 0.9% |
| Repurchase Agreements | 0.6% |
| Total | 100% |

Top Ten Issuers

(% of total long-term investments)

| | |
|------------------------------|------|
| DCP Midstream LP | 9.0% |
| Enable Midstream Partners LP | 8.2% |
| EnLink Midstream Partners LP | 7.9% |
| Crestwood Equity Partners LP | 6.9% |
| KNOT Offshore Partners LP | 6.3% |
| Targa Resources Corp. | 5.0% |
| NGL Energy Partners LP | 4.3% |
| NuStar Energy LP | 4.2% |
| Energy Transfer LP | 4.0% |
| Genesis Energy LP | 3.9% |

Report of Independent Registered Public Accounting Firm

To the Board of Trustees and Shareholders of

Nuveen Energy MLP Total Return Fund

Nuveen All Cap Energy MLP Opportunities Fund:

Opinions on the Financial Statements

We have audited the accompanying statements of assets and liabilities, including the portfolios of investments, of Nuveen Energy MLP Total Return Fund and Nuveen All Cap Energy MLP Opportunities Fund (hereafter collectively referred to as the Funds) as of November 30, 2018, the related statements of operations and cash flows for the year ended November 30, 2018, the statements of changes in net assets for each of the two years in the period ended November 30, 2018, including the related notes, and the financial highlights for each of the periods indicated therein (collectively referred to as the financial statements). In our opinion, the financial statements present fairly, in all material respects, the financial position of each of the Funds as of November 30, 2018, the results of each of their operations and each of their cash flows for the year then ended, the changes in each of their net assets for each of the two years in the period ended November 30, 2018 and each of the financial highlights for each of the periods indicated therein in conformity with accounting principles generally accepted in the United States of America.

Basis for Opinions

These financial statements are the responsibility of the Funds' management. Our responsibility is to express an opinion on the Funds' financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Funds in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits of these financial statements in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. Our procedures included confirmation of securities owned as of November 30, 2018 by correspondence with the custodian. We believe that our audits provide a reasonable basis for our opinions.

PricewaterhouseCoopers LLP

Chicago, Illinois

January 25, 2019

We have served as the auditor of one or more investment companies in Nuveen Funds since 2002.

JMF Nuveen Energy MLP Total Return Fund**Portfolio of Investments November 30, 2018**

| Shares/Units | Description (1) | Value |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------|
| LONG-TERM INVESTMENTS 143.5% (99.0% of Total Investments) | | |
| MASTER LIMITED PARTNERSHIPS & MLP AFFILIATES 126.7% (87.4% of Total Investments) | | |
| Oil, Gas & Consumable Fuels 126.7% (87.4% of Total Investments) | | |
| 949,467 | Andeavor Logistics LP | \$ 35,434,108 |
| 877,229 | Crestwood Equity Partners LP | 26,053,701 |
| 1,451,565 | DCP Midstream LP | 49,469,335 |
| 589,088 | Delek Logistics Partners LP | 17,955,402 |
| 2,001,365 | Enable Midstream Partners LP | 26,698,209 |
| 1,068,223 | Enbridge Energy Management LLC, (2) | 11,643,631 |
| 1,488,940 | Enbridge Energy Partners LP | 16,184,778 |
| 4,388,853 | Energy Transfer LP | 63,945,588 |
| 3,456,765 | EnLink Midstream Partners LP | 45,733,001 |
| 818,834 | Enterprise Products Partners LP | 21,494,393 |
| 1,095,257 | Genesis Energy LP | 24,150,417 |
| 642,250 | KNOT Offshore Partners LP, (3) | 12,870,690 |
| 224,025 | Martin Midstream Partners LP | 2,376,905 |
| 863,415 | MPLX LP | 28,604,939 |
| 2,498,135 | NGL Energy Partners LP | 23,182,693 |
| 547,100 | PBF Logistics LP | 10,985,768 |
| 1,270,678 | Plains All American Pipeline LP | 29,263,714 |
| 132,855 | Sunoco LP | 3,714,626 |
| 1,020,255 | Tallgrass Energy LP | 21,792,647 |
| 980,540 | USD Partners LP | 10,285,865 |
| 760,895 | Western Gas Partners LP | 33,814,174 |
| | Total Oil, Gas & Consumable Fuels | 515,654,584 |
| | Total Master Limited Partnerships & MLP Affiliates (cost \$498,553,373) | 515,654,584 |
| Shares | Description (1) | Value |
| COMMON STOCKS 16.8% (11.6% of Total Investments) | | |
| Diversified Financial Services 1.3% (0.9% of Total Investments) | | |
| 699,900 | Altus Midstream Company, (4), (5), (6) | \$ 5,245,536 |
| Energy Equipment & Services 0.7% (0.5% of Total Investments) | | |
| 263,822 | Archrock Inc. | 2,690,984 |
| Oil, Gas & Consumable Fuels 14.8% (10.2% of Total Investments) | | |
| 499,208 | ONEOK, Inc., (3) | 30,666,347 |
| 664,005 | Targa Resources Corp. | 29,634,543 |
| | Total Oil, Gas & Consumable Fuels | 60,300,890 |

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| | |
|---------------------------------------------------------|--------------------|
| Total Common Stocks (cost \$49,277,187) | 68,237,410 |
| Total Long-Term Investments (cost \$547,830,560) | 583,891,994 |

| Principal Amount (000) | Description (1) | Coupon | Maturity | Value |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------|-----------------------|
| | SHORT-TERM INVESTMENTS | 1.4% (1.0% of Total Investments) | | |
| | REPURCHASE AGREEMENTS | 1.4% (1.0% of Total Investments) | | |
| \$ 5,877 | Repurchase Agreement with Fixed Income Clearing Corporation, dated 11/30/18, repurchase price \$5,878,011, collateralized by \$5,990,000 U.S. Treasury Notes, 2.750%, due 2/15/24, value \$5,996,739 | 1.050% | 12/03/18 | \$ 5,877,497 |
| | Total Short-Term Investments (cost \$5,877,497) | | | 5,877,497 |
| | Total Investments (cost \$553,708,057) | 144.9% | | 589,769,491 |
| | Borrowings | (41.9)% (7), (8) | | (170,400,000) |
| | Deferred Tax Liability, net | (3.7)% | | (15,278,080) |
| | Other Assets Less Liabilities | 0.7% (9) | | 2,916,764 |
| | Net Assets | 100% | | \$ 407,008,175 |

JMF Nuveen Energy MLP Total Return Fund (continued)
Portfolio of Investments November 30, 2018

Investments in Derivatives

Interest Rate Swaps OTC Uncleared

| Counterparty | Notional Amount | Fund Pay/Receive | Floating Rate | Fixed Rate (Annualized) | Fixed Rate Payment Frequency | Effective Date (10) | Optional Termination Date | Maturity Date | Value | Delta |
|---------------------------|-----------------|------------------|---------------|-------------------------|------------------------------|---------------------|---------------------------|---------------|--------------|-------|
| JPMorgan Chase Bank, N.A. | \$ 94,500,000 | Receive | 1-Month LIBOR | 1.969% | Monthly | 6/01/18 | 7/01/25 | 7/01/27 | \$ 4,449,268 | |

For Fund portfolio compliance purposes, the Fund's industry classifications refer to any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine industry sub-classifications into sectors for reporting ease.

- (1) All percentages shown in the Portfolio of Investments are based on net assets unless otherwise noted.
- (2) Payment-in-kind (PIK) security. Depending on the terms of the security, distributions may be received in the form of cash, securities, or a combination of both.
- (3) Distribution designated as ordinary income which is recognized as Dividends on the Statement of Operations.
- (4) Non-income producing; issuer has not declared a dividend within the past twelve months.
- (5) Investment valued at fair value using methods determined in good faith by, or at the discretion of, the Board. For fair value measurement disclosure purposes, investment classified as Level 3. See Notes to Financial Statements, Note 2 Investment Valuation and Fair Value Measurements for more information.
- (6) Security is restricted and may be resold only in transactions exempt from registration, normally to qualified institutional buyers.
- (7) The Fund segregates 100% of its eligible investments (excluding any investments separately pledged as collateral for specific investments in derivatives, when applicable) in the Portfolio Investments as collateral for borrowings. As of the end of the reporting period, investments with a value of \$440,344,253 have been

pledged as collateral for borrowings.

- (8) Borrowings as a percentage of Total Investments is 28.9%.
- (9) Other assets less liabilities includes the unrealized appreciation (depreciation) of certain over-the-counter (OTC) derivatives as presented on the Statement of Assets and Liabilities, when applicable. The unrealized appreciation (depreciation) of OTC cleared and exchange-traded derivatives is recognized as part of the cash collateral at brokers and/or the receivable or payable for variation margin as presented on the Statement of Assets and Liabilities, when applicable.
- (10) Effective date represents the date on which both the Fund and counterparty commence interest payment accruals on each contract.

LIBOR London Inter-Bank Offered Rate

See accompanying notes to financial statements.

JMLP
Nuveen All Cap Energy
MLP Opportunities Fund

Portfolio of Investments November 30, 2018

| Shares/Units | Description (1) | Value |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------|
| LONG-TERM INVESTMENTS 138.9% (99.4% of Total Investments) | | |
| MASTER LIMITED PARTNERSHIPS & MLP AFFILIATES 127.0% (90.8% of Total Investments) | | |
| Gas Utilities 3.4% (2.4% of Total Investments) | | |
| 84,049 | AmeriGas Partners LP | \$ 3,123,261 |
| Oil, Gas & Consumable Fuels 123.6% (88.4% of Total Investments) | | |
| 301,794 | Crestwood Equity Partners LP | 8,963,282 |
| 343,048 | DCP Midstream LP | 11,691,076 |
| 146,150 | Delek Logistics Partners LP | 4,454,652 |
| 799,975 | Enable Midstream Partners LP | 10,671,666 |
| 214,905 | Enbridge Energy Management LLC, (2) | 2,342,464 |
| 368,305 | Enbridge Energy Partners LP | 4,003,475 |
| 355,975 | Energy Transfer LP | 5,186,556 |
| 775,365 | EnLink Midstream Partners LP | 10,258,079 |
| 229,710 | Genesis Energy LP | 5,065,105 |
| 264,695 | Global Partners LP | 4,573,930 |
| 265,885 | Hoegh LNG Partners LP, (3) | 4,559,928 |
| 173,590 | Holly Energy Partners LP | 4,883,087 |
| 410,190 | KNOT Offshore Partners LP, (3) | 8,220,208 |
| 124,795 | Martin Midstream Partners LP | 1,324,075 |
| 597,868 | NGL Energy Partners LP | 5,548,215 |
| 227,100 | NuStar Energy LP | 5,489,007 |
| 200,000 | Oasis Midstream Partners LP | 4,030,000 |
| 141,340 | PBF Logistics LP | 2,838,107 |
| 279,950 | Summit Midstream Partners LP | 3,440,586 |
| 217,770 | Tallgrass Energy LP | 4,651,567 |
| 314,902 | USD Partners LP | 3,303,322 |
| | Total Oil, Gas & Consumable Fuels | 115,498,387 |
| | Total Master Limited Partnerships & MLP Affiliates (cost \$116,225,044) | 118,621,648 |
| Shares | Description (1) | Value |
| COMMON STOCKS 11.9% (8.6% of Total Investments) | | |
| Diversified Financial Services 1.2% (0.9% of Total Investments) | | |
| 153,500 | Altus Midstream Company, (4), (5), (6) | \$ 1,150,435 |
| Oil, Gas & Consumable Fuels 10.7% (7.7% of Total Investments) | | |
| 57,055 | ONEOK, Inc., (3) | 3,504,889 |
| 145,645 | Targa Resources Corp. | 6,500,136 |

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| | |
|---------------------------------------------------------|--------------------|
| Total Oil, Gas & Consumable Fuels | 10,005,025 |
| Total Common Stocks (cost \$11,839,159) | 11,155,460 |
| Total Long-Term Investments (cost \$128,064,203) | 129,777,108 |

| Principal Amount (000) | Description (1) | Coupon | Maturity | Value |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------|----------------------|
| | SHORT-TERM INVESTMENTS | 0.9% (0.6% of Total Investments) | | |
| | REPURCHASE AGREEMENTS | 0.9% (0.6% of Total Investments) | | |
| \$ 821 | Repurchase Agreement with Fixed Income Clearing Corporation, dated 11/30/18, repurchase price \$821,523, collateralized by \$845,000 U.S. Treasury Notes, 2.875%, due 5/31/25, value \$841,666 | 1.050% | 12/03/18 | \$ 821,451 |
| | Total Short-Term Investments (cost \$821,451) | | | 821,451 |
| | Total Investments (cost \$128,885,654) | 139.8% | | 130,598,559 |
| | Borrowings (40.4)% (7), (8) | | | (37,750,000) |
| | Other Assets Less Liabilities | 0.6% (9) | | 567,368 |
| | Net Assets | 100% | | \$ 93,415,927 |

JMLP Nuveen All Cap Energy MLP Opportunities Fund (continued)
Portfolio of Investments November 30, 2018

Investments in Derivatives

Interest Rate Swaps OTC Uncleared

| Counterparty | Notional Amount | Fund Pay/Receive Floating Rate | Floating Rate | Fixed Rate (Annualized) | Fixed Rate Payment Frequency | Effective Date (10) | Optional Termination Date | Maturity Date | Value | Unrealized Depreciation |
|-------------------------------------|-----------------|--------------------------------|---------------|-------------------------|------------------------------|---------------------|---------------------------|---------------|------------|-------------------------|
| Morgan Stanley Capital Services LLC | \$ 21,000,000 | Receive | 1-Month LIBOR | 2.042% | Monthly | 6/01/18 | 7/01/25 | 7/01/27 | \$ 888,178 | \$ |

For Fund portfolio compliance purposes, the Fund's industry classifications refer to any one or more of the industry sub-classifications used by one or more widely recognized market indexes or ratings group indexes, and/or as defined by Fund management. This definition may not apply for purposes of this report, which may combine industry sub-classifications into sectors for reporting ease.

- (1) All percentages shown in the Portfolio of Investments are based on net assets unless otherwise noted.
- (2) Payment-in-kind (PIK) security. Depending on the terms of the security, distributions may be received in the form of cash, securities, or a combination of both.
- (3) Distribution designated as ordinary income which is recognized as Dividends on the Statement of Operations.
- (4) Non-income producing; issuer has not declared a dividend within the past twelve months.
- (5) Investment valued at fair value using methods determined in good faith by, or at the discretion of, the Board. For fair value measurement disclosure purposes, investment classified as Level 3. See Notes to Financial Statements, Note 2 Investment Valuation and Fair Value Measurements for more information.
- (6) Security is restricted and may be resold only in transactions exempt from registration, normally to qualified institutional buyers.
- (7) The Fund segregates 100% of its eligible investments (excluding any investments separately pledged as collateral for specific investments in derivatives, when applicable) in the Portfolio Investments as collateral

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for borrowings. As of the end of the reporting period, investments with a value of \$96,499,124 have been pledged as collateral for borrowings.

- (8) Borrowings as a percentage of Total Investments is 28.9%.
- (9) Other assets less liabilities includes the unrealized appreciation (depreciation) of certain over-the-counter (OTC) derivatives as presented on the Statement of Assets and Liabilities, when applicable. The unrealized appreciation (depreciation) of OTC cleared and exchange-traded derivatives is recognized as part of the cash collateral at brokers and/or the receivable or payable for variation margin as presented on the Statement of Assets and Liabilities, when applicable.
- (10) Effective date represents the date on which both the Fund and counterparty commence interest payment accruals on each contract.

LIBOR London Inter-Bank Offered Rate

See accompanying notes to financial statements.

Statement of Assets and Liabilities**November 30, 2018**

| | JMF | JMLP |
|--------------------------------------------------------------------------------------|-----------------------|----------------------|
| Assets | | |
| Long-term investments, at value (cost \$547,830,560 and \$128,064,203, respectively) | \$ 583,891,994 | \$ 129,777,108 |
| Short-term investments, at value (cost approximates value) | 5,877,497 | 821,451 |
| Unrealized appreciation on interest rate swaps | 4,449,268 | 888,178 |
| Receivable for interest | 171 | 24 |
| Other assets | 71,448 | 13,782 |
| Total assets | 594,290,378 | 131,500,543 |
| Liabilities | | |
| Cash overdraft | 1,683 | 1,704 |
| Borrowings | 170,400,000 | 37,750,000 |
| Payable for: | | |
| Interest | 439,465 | 97,946 |
| State income tax | 262,652 | 8,989 |
| Deferred tax liability, net | 15,278,080 | |
| Accrued expenses: | | |
| State franchise tax | 27,314 | 3,476 |
| Management fees | 513,774 | 119,974 |
| Trustees fees | 72,084 | 11,423 |
| Other | 287,151 | 91,104 |
| Total liabilities | 187,282,203 | 38,084,616 |
| Net assets | \$ 407,008,175 | \$ 93,415,927 |
| Shares outstanding | 40,786,741 | 13,500,221 |
| Net asset value (NAV) per share outstanding | \$ 9.98 | \$ 6.92 |
| Net assets consist of: | | |
| Shares, \$0.01 par value per share | \$ 407,867 | \$ 135,002 |
| Paid-in surplus | 370,312,518 | 184,953,711 |
| Total distributable earnings, net of tax | 36,287,790 | (91,672,786) |
| Net assets | \$ 407,008,175 | \$ 93,415,927 |
| Authorized shares | Unlimited | Unlimited |

See accompanying notes to financial statements.

Statement of Operations**Year Ended November 30, 2018**

| | JMF | JMLP |
|---------------------------------------------------------------------|---------------|----------------|
| Investment Income | | |
| Distributions from Master Limited Partnerships (MLPs) | \$ 52,162,544 | \$ 11,534,258 |
| Less: Return of capital on distributions from MLPs | (52,162,544) | (11,534,258) |
| Dividends ⁽¹⁾ | 1,965,882 | 710,871 |
| Interest | 35,231 | 6,893 |
| Total investment income | 2,001,113 | 717,764 |
| Expenses | | |
| Management fees | (6,646,250) | (1,585,170) |
| Interest expense on borrowings | (4,613,998) | (1,055,581) |
| Custodian fees | (63,388) | (29,814) |
| Trustees fees | (40,349) | (9,530) |
| Professional fees | (167,617) | (139,759) |
| Shareholder reporting expenses | (103,031) | (50,652) |
| Shareholder servicing agent fees | (1,587) | (218) |
| Stock exchange listing fees | (11,149) | (8,411) |
| Investor relations expenses | (27,252) | (6,527) |
| Franchise tax expenses | (35,053) | (32,502) |
| Shelf offering expenses | | (158,061) |
| Other | (80,529) | (87,868) |
| Total expenses | (11,790,203) | (3,164,093) |
| Net investment income (loss) before taxes | (9,789,090) | (2,446,329) |
| Deferred tax benefit | 25,494,850 | |
| Current tax (expense)/benefit | (4,147) | |
| Net investment income (loss) | 15,701,613 | (2,446,329) |
| Realized and Unrealized Gain (Loss) | | |
| Net realized gain (loss) from: | | |
| Investments before taxes | 12,318,695 | (11,291,525) |
| Swaps before taxes | 68,212 | 9,147 |
| Deferred tax (expense)/benefit | (32,260,643) | |
| Net realized gain (loss) from investments | (19,873,736) | (11,282,378) |
| Change in net unrealized appreciation (depreciation) of: | | |
| Investments before taxes | (10,395,353) | 6,642,195 |
| Swaps before taxes | 3,318,282 | 746,546 |
| Deferred tax (expense)/benefit | 18,431,625 | |
| Change in net unrealized appreciation (depreciation) of investments | 11,354,554 | 7,388,741 |
| Net realized and unrealized gain (loss) | (8,519,182) | (3,893,637) |
| Net increase (decrease) in net assets from operations | \$ 7,182,431 | \$ (6,339,966) |

(1) See Notes to Financial Statements, Note 1 General Information and Significant Accounting Policies, Investment Income for more information.

See accompanying notes to financial statements.

Statement of Changes in Net Assets

| | JMF | | JMLP | |
|----------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------|--------------------------------|--------------------------------------------------|
| | Year Ended 11/30/18 | Year Ended⁽¹⁾ 11/30/17 | Year Ended 11/30/18 | Year Ended⁽¹⁾ 11/30/17 |
| Operations | | | | |
| Net investment income (loss) | \$ 15,701,613 | \$ (5,258,603) | \$ (2,446,329) | \$ (928,988) |
| Net realized gain (loss) from: | | | | |
| Investments | (19,941,948) | 15,318,442 | (11,291,525) | (11,465,552) |
| Swaps | 68,212 | (7,220,235) | 9,147 | |
| Change in net unrealized appreciation (depreciation) of: | | | | |
| Investments | 8,036,272 | (58,471,713) | 6,642,195 | 7,700,171 |
| Swaps | 3,318,282 | 9,413,579 | 746,546 | 141,632 |
| Net increase (decrease) in net assets from operations | 7,182,431 | (46,218,530) | (6,339,966) | (4,552,737) |
| Distributions to Shareholders⁽²⁾ | | | | |
| Dividends ⁽³⁾ | (21,108,108) | (7,093,871) | | |
| Return of capital | (23,571,772) | (46,224,336) | (11,086,585) | (12,646,074) |
| Decrease in net assets from distributions to shareholders | (44,679,880) | (53,318,207) | (11,086,585) | (12,646,074) |
| Fund Share Transactions | | | | |
| Proceeds from shelf offering, net of offering costs | 7,353,662 | 4,819,170 | 2,713,917 | 3,479,922 |
| Proceeds from shares issued to shareholders due to reinvestment of distributions | | 1,737,280 | | 24,162 |
| Net increase (decrease) in net assets from Fund share transactions | 7,353,662 | 6,556,450 | 2,713,917 | 3,504,084 |
| Net increase (decrease) in net assets | (30,143,787) | (92,980,287) | (14,712,634) | (13,694,727) |
| Net assets at the beginning of period | 437,151,962 | 530,132,249 | 108,128,561 | 121,823,288 |
| Net assets at the end of period | \$ 407,008,175 | \$ 437,151,962 | \$ 93,415,927 | \$ 108,128,561 |

(1) Prior period amounts have been conformed to current year presentation. See Notes to Financial Statements, Note 8 New Accounting Pronouncements for further details.

(2) The composition and per share amounts of the Funds' distributions are presented in the Financial Highlights. The distribution information for the Fund as of its most recent tax year end is presented within the Notes to Financial Statements, Note 1 Income Taxes.

(3) For the fiscal year ended November 30, 2017 the Fund's distributions to shareholders were paid from net investment income.

See accompanying notes to financial statements.

Statement of Cash Flows**Year Ended November 30, 2018**

| | JMF | JMLP |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------|
| Cash Flows from Operating Activities: | | |
| Net Increase (Decrease) in Net Assets from Operations | \$ 7,182,431 | \$ (6,339,966) |
| Adjustments to reconcile the net increase (decrease) in net assets from operations to net cash provided by (used in) operating activities: | | |
| Purchases of investments | (148,230,391) | (34,989,751) |
| Proceeds from sales of investments | 152,579,132 | 36,981,001 |
| Proceeds from (Purchases of) short-term investments, net | (4,699,075) | 789,411 |
| Return of capital distributions from MLPs | 52,162,544 | 11,534,258 |
| (Increase) Decrease in: | | |
| Receivable for interest | (171) | (24) |
| Other assets | (9,677) | (3,641) |
| Increase (Decrease) in: | | |
| Deferred tax liability, net | (11,665,832) | |
| Payable for interest | 130,933 | 40,682 |
| Payable for interest rate swaps purchased | (210,079) | |
| Payable for state income tax | 4,147 | |
| Accrued state franchise tax expense | (13,695) | (2,760) |
| Accrued management fees | (15,035) | (10,983) |
| Accrued Trustees fees | 10,702 | 2,316 |
| Accrued other expenses | (58,089) | (15,017) |
| Net realized (gain) loss from investments before taxes | (12,318,695) | 11,291,525 |
| Change in net unrealized appreciation (depreciation) of: | | |
| Investments before taxes | 10,395,353 | (6,642,195) |
| Swaps before taxes | (3,318,282) | (746,546) |
| Net cash provided by (used in) operating activities | 41,926,221 | 11,888,310 |
| Cash Flows from Financing Activities | | |
| Proceeds from borrowings | 7,000,000 | 1,600,000 |
| Repayments of borrowings | (11,600,000) | (5,350,000) |
| Proceeds from shelf offering, net of offering costs | 7,353,662 | 2,767,119 |
| Increase (Decrease) in cash overdraft | (3) | 71 |
| Cash distributions paid to shareholders | (44,679,880) | (11,086,585) |
| (Payments for) deferred offering costs | | 181,085 |
| Net cash provided by (used in) financing activities | (41,926,221) | (11,888,310) |
| Net Increase (Decrease) in Cash | | |
| Cash at the beginning of period | | |
| Cash at the end of period | \$ | \$ |
| Supplemental Disclosures of Cash Flow Information | JMF | JMLP |
| Cash paid for interest on borrowings (excluding borrowing costs) | \$ 4,483,065 | \$ 1,014,899 |
| Net cash paid (received) for taxes | 48,748 | 35,262 |

See accompanying notes to financial statements.

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Financial Highlights

Selected data for a share outstanding throughout each period:

| | Investment Operations | | | Less Distributions | | | | | Premium from Shares Sold through Offering | Ending NAV | Ending Share Price |
|-------------------|-----------------------|------------|-------------|------------------------------------|-------------------------|-----------|-----------|--------|----------------------------------------------------------|---------------|--------------------------|
| | Beginning NAV | Net | Net | From Net Investment Total | Return of Capital | Total | Total | | | | |
| | | Investment | Unrealized | | | | | | | | |
| | | Income | Gain (Loss) | | | | | | | | |
| | | | | | | | | | | | |
| JMF | | | | | | | | | | | |
| Year Ended 11/30: | | | | | | | | | | | |
| 2018 | \$ 10.90 | \$ 0.39 | \$ (0.21) | \$ 0.18 | \$ (0.52) | \$ (0.58) | \$ (1.10) | \$ | \$ | \$ 9.98 | \$ 9.19 |
| 2017 | 13.42 | (0.13) | (1.04) | (1.17) | (0.18) | (1.17) | (1.35) | | ** | 10.90 | 10.57 |
| 2016 | 13.45 | (0.12) | 1.44 | 1.32 | | (1.35) | (1.35) | | | 13.42 | 13.32 |
| 2015 | 22.10 | (0.08) | (7.23) | (7.31) | | (1.34) | (1.34) | | | 13.45 | 11.91 |
| 2014 | 20.22 | (0.32) | 3.48 | 3.16 | (0.12) | (1.16) | (1.28) | | | 22.10 | 20.72 |
| JMLP | | | | | | | | | | | |
| Year Ended 11/30: | | | | | | | | | | | |
| 2018 | 8.21 | (0.18) | (0.28) | (0.46) | | (0.83) | (0.83) | | | 6.92 | 6.24 |
| 2017 | 9.55 | (0.07) | (0.29) | (0.36) | | (0.98) | (0.98) | | ** | 8.21 | 8.02 |
| 2016 | 8.94 | (0.05) | 1.69 | 1.64 | | (1.03) | (1.03) | | | 9.55 | 9.80 |
| 2015 | 18.52 | (0.12) | (8.09) | (8.21) | | (1.37) | (1.37) | | | 8.94 | 8.35 |
| 2014(g) | 19.10 | (0.27) | 0.73 | 0.46 | (0.21) | (0.79) | (1.00) | (0.04) | | 18.52 | 16.35 |

| | Borrowings at the End of Period | |
|-------------------|------------------------------------|----------------------------|
| | Aggregate Amount Outstanding (000) | Asset Coverage Per \$1,000 |
| JMF | | |
| Year Ended 11/30: | | |
| 2018 | \$ 170,400 | \$ 3,389 |
| 2017 | 175,000 | 3,498 |
| 2016 | 185,550 | 3,857 |
| 2015 | 199,000 | 3,666 |
| 2014 | 315,000 | 3,768 |
| JMLP | | |
| Year Ended 11/30: | | |

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| | | |
|---------|--------|-------|
| 2018 | 37,750 | 3,475 |
| 2017 | 41,500 | 3,606 |
| 2016 | 39,000 | 4,124 |
| 2015 | 41,800 | 3,727 |
| 2014(g) | 85,000 | 3,780 |

(a) Per share Net Investment Income (Loss) is calculated using the average daily shares method.

(b) Total Return Based on NAV is the combination of changes in NAV, reinvested dividend income at NAV and reinvested capital gains distributions at NAV, if any. The last dividend declared in the period, which is typically paid on the first business day of the following month, is assumed to be reinvested at the ending NAV. The actual reinvest price for the last dividend declared in the period may often be based on the Fund's market price (and not its NAV), and therefore may be different from the price used in the calculation. Total returns are not annualized.

Total Return Based on Share Price is the combination of changes in the market price per share and the effect of reinvested dividend income and reinvested capital gains distributions, if any, at the average price paid per share at the time of reinvestment. The last dividend declared in the period, which is typically paid on the first business day of the following month, is assumed to be reinvested at the ending market price. The actual reinvestment for the last dividend declared in the period may take place over several days, and in some instances may not be based on the market price, so the actual reinvestment price may be different from the price used in the calculation. Total returns are not annualized.

| Total Returns | | | Ratios/Supplemental Data | | | | | | |
|-----------------|-------------------------|-------------------------|-----------------------------------------------------|------------------------------|--------------------------------------|--------------------------------------------------------|------------------------------------------------|------------------------------|--|
| | | | Ratios to Average Net Assets Before | | | Ratios to Average Net Assets After | | Ratios to Average Net Assets | |
| | | | Reimbursement/Income Taxes/Tax Benefit (Expense)(e) | | | Reimbursement/Income Taxes/Tax Benefit (Expense)(d)(e) | | | |
| | | | | | | | | | |
| Based on NAV(b) | Based on Share Price(b) | Ending Net Assets (000) | Net Investment Income (Loss) Expense | Net Investment Income (Loss) | Net Investment Income (Loss) Expense | Net Investment Income (Loss) | Current and Net Deferred Tax Benefit (Expense) | Portfolio Turnover Rate(f) | |
| 0.83% | (3.98)% | \$ 407,008 | (2.56)% | (2.12)% | (0.03)% | 3.41% | 2.53% | 23% | |
| (9.44) | (11.44) | 437,152 | (2.23) | (1.67) | 3.45 | (1.05) | 5.68 | 12 | |
| 12.27 | 27.51 | 530,132 | (1.99) | (1.46) | (8.10) | (1.05) | (6.11) | 28 | |
| (34.43) | (37.51) | 530,525 | (1.95) | (0.68) | 22.29(c) | (0.42)(c) | 24.23 | 18 | |
| 15.67 | 13.67 | 871,905 | (1.84) | (1.45) | (10.38) | (1.47) | (8.54) | 6 | |
| (6.91) | (13.77) | 93,416 | (2.86) | (2.21) | (2.86) | (2.21) | 0.00 | 24 | |
| (4.22) | (8.91) | 108,129 | (2.32) | (0.76) | (2.33) | (0.77) | (0.01) | 24 | |
| 22.62 | 34.48 | 121,823 | (2.15) | (0.59) | (2.14) | (0.58) | 0.01 | 37 | |
| (46.47) | (43.24) | 114,004 | (2.02) | (1.42) | (0.16) | (0.85) | 1.86 | 37 | |
| 1.97 | (13.76) | 236,281 | (1.77)* | (1.40)* | (3.13)* | (1.82)* | (1.36) | 25 | |

(c) During the fiscal year ended November 30, 2015, the Adviser voluntarily reimbursed the Fund for certain expenses incurred in connection with an equity shelf program. As a result, the Expenses and Net Investment Income (Loss) Ratios to Average Net Assets reflect this voluntary expense reimbursement from Adviser. The Expenses and Net Investment Income (Loss) Ratios to Average Net Assets excluding this expense reimbursement after income taxes/tax benefit (expenses) from the Adviser were as follows:

| JMF | Ratios to Average Net Assets | |
|-------------------|------------------------------|------------------------------|
| | Expenses | Net Investment Income (Loss) |
| Year Ended 11/30: | | |
| 2015 | 22.27% | (0.44)% |

(d) Expense ratios include the current and deferred tax benefit (expense) allocated to net investment income (loss) and the deferred tax benefit (expense) allocated to realized and unrealized gain (loss). Net Investment Income (Loss) ratios exclude the deferred tax benefit (expense) allocated to realized and unrealized gain (loss).

(e)

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Net Investment Income (Loss) ratios reflect income earned and expenses incurred on assets attributable to borrowings, as described in Note 7 Borrowing Arrangements.

Each ratio includes the effect of all interest expense paid and other costs related to borrowings as follows:

**Ratios of Borrowings Interest Expense
to Average Net Assets**

JMF

Year Ended 11/30:

| | |
|------|---------|
| 2018 | (1.00)% |
| 2017 | (0.68) |
| 2016 | (0.45) |
| 2015 | (0.37) |
| 2014 | (0.32) |

**Ratios of Borrowings Interest Expense
to Average Net Assets**

JMLP

Year Ended 11/30:

| | |
|---------|---------|
| 2018 | (0.95)% |
| 2017 | (0.62) |
| 2016 | (0.40) |
| 2015 | (0.34) |
| 2014(g) | (0.29)* |

(f) Portfolio Turnover Rate is calculated based on the lesser of long-term purchases or sales (as disclosed in Note 5 Investment Transactions) divided by the average long-term market value during the period.

(g) For the period March 26, 2014 (commencement of operations) through November 30, 2014.

* Annualized.

** Rounds to less than \$0.01.

See accompanying notes to financial statements.

Notes to

Financial Statements

1. General Information and Significant Accounting Policies

General Information

Fund Information

The funds covered in this report and their corresponding New York Stock Exchange (NYSE) symbols are as follows (each a Fund and collectively, the Funds):

Nuveen Energy MLP Total Return Fund (JMF)

Nuveen All Cap Energy MLP Opportunities Fund (JMLP)

The Funds are registered under the Investment Company Act of 1940, as amended, as non-diversified closed-end management investment companies. JMF and JMLP were each organized as a Massachusetts business trust on September 27, 2010 and July 25, 2013, respectively.

The end of the reporting period for the Funds is November 30, 2018, and the period covered by these Notes to Financial Statements is the fiscal year ended November 30, 2018 (the current fiscal period).

Investment Adviser

The Funds' investment adviser is Nuveen Fund Advisors, LLC (the Adviser), a subsidiary of Nuveen, LLC (Nuveen). Nuveen is the investment management arm of Teachers Insurance and Annuity Association of America (TIAA). The Adviser has overall responsibility for management of the Funds, oversees the management of the Funds' portfolios, manages the Funds' business affairs and provides certain clerical, bookkeeping and other administrative services, and, if necessary, asset allocation decisions. The Adviser has entered into sub-advisory agreements with Advisory Research Inc., (the Sub-Adviser), a wholly-owned subsidiary of Piper Jaffray Companies, under which the Sub-Adviser's MLP & Energy Infrastructure team manages the investment portfolios of the Funds.

Investment Objectives and Principal Investment Strategies

JMF's investment objective is to provide tax-advantaged total return. The Fund seeks to achieve its investment objective by investing primarily in a portfolio of master limited partnerships (MLPs) in the energy sector. Under normal market circumstances, the Fund will invest at least 80% of its managed assets (as defined in Note 6 Management Fees and Other Transactions with Affiliates) in MLPs in the energy sector. The Fund considers investments in MLPs to include investments that offer economic exposure to publicly traded and private MLPs in the form of equity securities of MLPs, securities of entities holding primarily general partner or managing member interests in MLPs, securities that are derivatives of interests in MLPs and debt securities of MLPs. Further, the Fund considers an entity to be part of the energy sector if it derives at least 50% of its revenues from the business of exploring, developing, producing, gathering, transporting, processing, storing, refining, distributing, mining or marketing natural gas, natural gas liquids, crude oil, refined petroleum products or coal.

JMLP's investment objective is to provide a high level of total return including current distributions and capital appreciation. Under normal circumstances, the Fund will invest at least 80% of its managed assets in energy MLPs. The Fund considers investments in MLPs to include investments that offer economic exposure to publicly traded MLPs and private investments that have MLP characteristics, but are not publicly traded. The Fund considers an MLP to be part of the energy sector if it derives at least 50% of its revenues from the business of exploring, developing, producing, transporting, gathering and processing, storing, refining, distributing, mining or marketing of natural gas, natural gas liquids (including propane), crude oil, refined petroleum products or coal. The Fund will invest at least 60% of its managed assets in small and mid cap energy MLPs. The Fund considers an MLP to be small cap if its market capitalization at the time of investment is less than the capitalization limit for the small cap MLPs included in the Solactive Junior MLP Composite Index immediately after its first reconstitution in each calendar quarter. The Fund considers an MLP to be large cap if its market capitalization at the time of investment is greater than the median market capitalization of the Alerian Large Cap MLP Index immediately after its first reconstitution in each calendar year. The Fund considers an MLP to be mid cap if its market capitalization at the time of investment is less than the median market capitalization of the Alerian Large Cap MLP Index and greater than the capitalization limit for the Solactive Junior MLP Composite Index. The Fund's capitalization thresholds will change over time as the composition of these indices change.

Significant Accounting Policies

Each Fund is an investment company and follows accounting and reporting guidance under Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) Topic 946 Financial Services-Investment Companies. The following is a summary of significant accounting policies followed by the Funds in the preparation of their financial statements in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP).

Investment Transactions

Investment transactions are recorded on a trade date basis. Realized gains and losses from investment transactions are determined on the specific identification method, which is the same basis used for federal income tax purposes.

Investment Income

Dividend income from corporate securities is recorded on the ex-dividend date or, for foreign securities, when information is available. A portion of the dividend income reported may in fact be return of capital; however, such information is not available until after the reporting period. Each Fund will therefore estimate how much of corporate distributions received is to be treated as dividend income using prior year information. Once the true nature of the corporate distributions becomes available, true-up adjustments will be made to dividend income in the subsequent reporting period. These adjustments may cause dividend income to be presented as a negative number on the Statement of Operations. Non-cash dividends received in the form of stock, if any, are recognized on the ex-dividend date and recorded at fair value. Interest income is recorded on an accrual basis.

Each Fund records the character of distributions received from MLPs based on estimates made at the time such distributions are received. These estimates are based upon a historical review of information available from each MLP and other industry sources. Each Fund's characterization of the estimates may subsequently be revised based on information received from MLPs after their tax reporting periods conclude. Distributions, recognized as Distributions from MLPs on the Statement of Operations, are offset by amounts characterized as return of capital from the MLP entities, which are recognized as Return of capital on distributions from MLPs on the Statement of Operations. During the current fiscal period, each Fund estimated and characterized 100% of its distributions from MLPs as return of capital, unless otherwise noted in their Portfolio of Investments.

Professional Fees

Professional fees presented on the Statement of Operations consist of legal fees incurred in the normal course of operations, audit fees, tax consulting fees and, in some cases, workout expenditures. Workout expenditures are incurred in an attempt to protect or enhance an investment or to pursue other claims or legal actions on behalf of Fund shareholders. If a refund is received for workout expenditures paid in a prior reporting period, such amounts will be recognized as Legal fee refund on the Statement of Operations.

Income Taxes

Each Fund is treated as a regular corporation, or C corporation, for U.S. federal income tax purposes. Accordingly, each Fund is generally subject to U.S. federal income tax on its taxable income at statutory rates applicable to corporations (currently at a maximum rate of 21%). The estimated effective state income tax rate for JMF and JMLP are 3.90% and 2.23%, respectively. Each Fund may be subject to a 20% federal alternative minimum tax on its federal alternative minimum taxable income to the extent that its alternative minimum tax exceeds its regular federal income tax. Current tax expense may include non-deductible interest and penalties.

Each Fund's income tax provision consists of the following as of the end of the reporting period:

| | JMF | JMLP |
|--------------------------------|-----|------|
| Current tax expense (benefit): | | |

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| | | |
|--------------------------------------|-----------------|----|
| Federal | \$ | \$ |
| State | 4,147 | |
| Total current tax expense (benefit) | \$ 4,147 | \$ |
| Deferred tax expense (benefit): | | |
| Federal | \$ (11,837,154) | \$ |
| State | 171,322 | |
| Total deferred tax expense (benefit) | \$ (11,665,832) | \$ |

The reconciliation between the federal statutory income tax rate of 21% and the effective tax rate on net investment income (loss) and realized and unrealized gain (loss) follows:

| Description | JMF | | JMLP | |
|--------------------------------------------------------------|-----------------|---------|----------------|----------|
| | Amount | Rate | Amount | Rate |
| Application of statutory income tax rate | \$ (940,643) | 21.00% | \$ (1,331,393) | 21.00% |
| State income taxes, net of federal benefit | 174,597 | (3.90) | (141,357) | 2.23 |
| Effect of permanent differences Dividends Received Deduction | (354,512) | 7.91 | (125,621) | 1.98 |
| Effect of valuation allowance | | | (10,563,930) | 166.62 |
| Effect of statutory rate reduction from 35% to 21% | (10,531,167) | 235.11 | 12,087,034 | (190.65) |
| Other | (9,960) | 0.23 | 75,267 | (1.18) |
| Total income tax expense (benefit) | \$ (11,661,685) | 260.35% | \$ | % |

Notes to Financial Statements (continued)

Each Fund invests its assets primarily in MLPs, which generally are treated as partnerships for federal income tax purposes. As a limited partner in the MLPs, each Fund includes its allocable share of the MLPs' taxable income in computing its own taxable income. Each Fund's tax expense or benefit is recognized on the Statement of Operations based on the component of income or gains (losses) to which such expense or benefit relates. Deferred income taxes reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. Such temporary differences are principally: (i) taxes on unrealized gains/(losses), which are attributable to the temporary difference between fair market value and tax basis, (ii) the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial reporting and income tax purposes and (iii) the net tax benefit of accumulated net operating losses. Deferred tax assets and liabilities are measured using effective tax rates expected to apply to taxable income in the years such temporary differences are realized or otherwise settled. To the extent a Fund has a deferred tax asset, consideration is given to whether or not a valuation allowance is required. The determination of whether a valuation allowance is required is based on the evaluation criterion provided by ASC 740, Income Taxes (ASC 740) that it is more-likely-than-not that some portion or all of the deferred tax asset will not be realized. Among the factors considered in assessing each Fund's valuation allowance: the nature, frequency and severity of current and cumulative losses, forecasts of future profitability, the duration of statutory carryforward periods and the associated risk that operating and capital loss carryforwards may expire unused. Significant appreciation or depreciation of Fund assets subsequent to the reporting period can impact future determinations of whether a deferred tax asset is more-likely-than-not to be realized, which in turn may result in adjustments to the valuation allowance reported in the tables below.

Components of the Funds' deferred tax assets and liabilities as of the end of the reporting period, are as follows:

| Description | JMF Deferred Benefit (Liability) | JMLP Deferred Benefit (Liability) |
|---------------------------------------------------------------|-------------------------------------------|--------------------------------------------|
| Deferred tax assets: | | |
| Federal net operating loss | \$ 14,417,553 | \$ 9,852,917 |
| Federal capital loss carryforward | | 14,329,091 |
| State net operating and capital loss carryforward (tax basis) | 2,749,905 | 2,319,920 |
| Accumulated net unrealized loss on investments (tax basis) | | |
| Accumulated net unrealized loss on swaps (tax basis) | | |
| Tax credit carryforward - AMT | 984,326 | |
| Foreign Tax Credit | 267,564 | |
| Other | 39,891 | 5,535 |
| | \$ 18,459,239 | \$ 26,507,463 |
| Deferred tax liabilities: | | |
| Accumulated net unrealized gain on swaps (tax basis) | \$ (1,044,175) | \$ (213,414) |
| Accumulated net unrealized gain on investments (tax basis) | (31,486,333) | (5,162,494) |
| | \$ (32,530,508) | \$ (5,375,908) |
| Net deferred taxes before valuation allowance | \$ (14,071,269) | \$ 21,131,555 |
| Less: valuation allowance | (1,206,811) | (21,131,555) |
| Net deferred tax assets (liabilities) | \$ (15,278,080) | \$ |

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Changes in the valuation allowance were as follows:

| | | |
|----------------------------------------------------------------------------|--------------|---------------|
| Balance at the beginning of period | \$ 1,206,811 | \$ 31,695,484 |
| Initial allowance recorded | | |
| Provision to return | | 100,274 |
| Decrease in valuation allowance due to statutory income tax rate reduction | | (12,087,034) |
| Increase of valuation allowance | | 1,106,833 |
| Change in state tax deferred rate | | 315,998 |
| Balance at the end of period | \$ 1,206,811 | \$ 21,131,555 |

As of November 30, 2018, the Funds' tax year end to date, the Funds had net operating loss carryforwards available for federal income tax purposes to be applied against future taxable income, if any. If not applied, the carryforwards will expire as follows:

| Net Operating Loss Carryforwards: | JMF | JMLP |
|------------------------------------------|---------------|---------------|
| Expiration: | | |
| November 30, 2034 | \$ 7,143,293 | \$ |
| November 30, 2035 | 13,680,649 | 18,213,944 |
| November 30, 2036 | | 5,995,088 |
| November 30, 2037 | 22,977,879 | 8,076,328 |
| No expiration | 24,853,191 | 14,633,291 |
| Total | \$ 68,655,012 | \$ 46,918,651 |

As of November 30, 2018, the Funds' tax year end to date, the Funds had unused capital loss carryforwards available for federal income tax purposes to be applied against future capital gains, if any. If not applied, the carryforwards will expire as follows:

| | JMF | JMLP |
|-------------------|------------|---------------|
| Expiration: | | |
| November 30, 2020 | \$ | \$ 18,438,620 |
| November 30, 2021 | | 34,789,250 |
| November 30, 2022 | | 14,075,458 |
| November 30, 2023 | | 930,441 |
| Total | \$ | \$ 68,233,769 |

As of November 30, 2018, JMF had AMT credit carryforwards of \$984,326. Beginning with fiscal year ending November 30, 2019, this amount is partially refundable and will be fully refundable when the tax filing is made for fiscal year ending November 30, 2022.

For all open tax years and all major taxing jurisdictions, management of the Funds has concluded that there are no significant uncertain tax positions that would require recognition in the financial statements. Open tax years are those that are open for examination by taxing authorities (i.e., generally the last four tax year ends and the interim tax period since then). Furthermore, management of the Funds is also not aware of any tax positions for which it is reasonably possible that the total amounts of unrecognized tax benefits will significantly change in the next twelve months.

The tables below present the cost and unrealized appreciation (depreciation) of each Fund's investment portfolio, as determined on a federal income tax basis, as of November 30, 2018.

For purposes of this disclosure, derivative tax cost is generally the sum of any upfront fees or premiums exchanged and any amounts unrealized for income statement reporting but realized in income and/or capital gains for tax reporting. If a particular derivative category does not disclose any tax unrealized appreciation or depreciation, the change in value of those derivatives have generally been fully realized for tax purposes.

| | JMF | JMLP |
|-----------------------------------------------------------|----------------|----------------|
| Tax cost of investments | \$ 456,365,865 | \$ 109,222,603 |
| Gross unrealized: | | |
| Appreciation | \$ 191,109,003 | \$ 37,246,531 |
| Depreciation | (57,705,377) | (15,870,575) |
| Net unrealized appreciation (depreciation) of investments | \$ 133,403,626 | \$ 21,375,956 |

| | JMF | JMLP |
|-----------------------------------------------------|------------|-------------|
| Tax cost of swaps | \$ | \$ |
| Net unrealized appreciation (depreciation) of swaps | 4,423,231 | 883,665 |

Dividends and Distributions to Shareholders

Distributions to shareholders are recorded on the ex-dividend date. The amount and timing of distributions are determined in accordance with federal income tax regulations, which may differ from U.S. GAAP.

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Each Fund uses a cash flow-based distribution approach, designed to provide attractive quarterly distributions throughout the year, in amounts based on each Fund's net cash flow received from portfolio investments. Net cash flow consists primarily of distributions received from each Fund's investments in shares of energy MLPs, less payments on any of its leveraging instruments and other Fund expenses. Currently, each Fund intends to distribute substantially all of its net distributable cash flow received without sourcing incremental amounts from other components, such as realized or unrealized capital gains and/or returns of Fund principal.

For purposes of determining the income tax characterization of each Fund's distributions, the amount of each Fund's distributions attributable to each Fund's earnings and profits for federal income tax purposes are characterized to Fund shareholders as taxable ordinary dividends, while the amount of distributions in excess of each Fund's earnings and profits for federal income tax purposes are characterized as a return of capital. Each Fund will calculate its earnings and profits based on its taxable period ended November 30 and will report the character of its distributions to shareholders shortly after the end of the calendar year. The primary components of each Fund's annual earnings and profits calculation are: income, loss and other flow-through items (including earnings and profits adjustments) reported by each MLP held by each Fund on the MLP's Schedule K-1, realized gain or loss on sales of Fund investments and deductible operating expenses.

Each Fund treats distributions from any given MLP holding as a return of capital to the extent of each Fund's income tax basis in that MLP, and will reduce its basis in that MLP holding by the amount of such distribution so treated as a return of capital. In contrast, each Fund will recognize income (and thereby increase its earnings and profits) if and to the extent that it receives a distribution from an MLP holding that exceeds its income tax basis in that MLP holding.

Notes to Financial Statements (continued)

The character of each Fund's distributions for U.S. GAAP purposes, which can often differ from the tax character, is based on estimates of the sources of those distributions (which can be from a combination of income and/or a return of capital) made at the time such distributions are received, which in turn are based upon a historical review of information available from each MLP and other industry sources. Each Fund's accounting characterization of the estimates may subsequently be revised based on information received from MLPs after their tax reporting periods conclude. It is currently estimated that a significant portion of each Fund's distributions during the current fiscal period, will be characterized for U.S. GAAP purposes as a return of capital.

Compensation

The Funds pay no compensation directly to those of its trustees who are affiliated with the Adviser or to its officers, all of whom receive remuneration for their services to the Funds from the Adviser or its affiliates. The Funds' Board of Trustees (the "Board") has adopted a deferred compensation plan for independent trustees that enables trustees to elect to defer receipt of all or a portion of the annual compensation they are entitled to receive from certain Nuveen-advised funds. Under the plan, deferred amounts are treated as though equal dollar amounts had been invested in shares of select Nuveen-advised funds.

Indemnifications

Under the Funds' organizational documents, their officers and trustees are indemnified against certain liabilities arising out of the performance of their duties to the Funds. In addition, in the normal course of business, the Funds enter into contracts that provide general indemnifications to other parties. The Funds' maximum exposure under these arrangements is unknown as this would involve future claims that may be made against the Funds that have not yet occurred. However, the Funds have not had prior claims or losses pursuant to these contracts and expect the risk of loss to be remote.

Netting Agreements

In the ordinary course of business, the Funds may enter into transactions subject to enforceable master repurchase agreements, International Swaps and Derivatives Association, Inc. (ISDA) master agreements or other similar arrangements ("netting agreements"). Generally, the right to offset in netting agreements allows each Fund to offset certain securities and derivatives with a specific counterparty, when applicable, with any collateral received or delivered to that counterparty based on the terms of the agreements. Generally, each Fund manages its cash collateral and securities collateral on a counterparty basis.

The Funds' investments subject to netting agreements as of the end of the reporting period, if any, are further described in Note 3 "Portfolio Securities and Investments in Derivatives."

Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of increases and decreases in net assets from operations during the current fiscal period. Actual results may differ from those estimates.

2. Investment Valuation and Fair Value Measurements

The fair valuation input levels as described below are for fair value measurement purposes.

Fair value is defined as the price that would be received upon selling an investment or transferring a liability in an orderly transaction to an independent buyer in the principal or most advantageous market for the investment. A three-tier hierarchy is used to maximize the use of observable market data and minimize the use of unobservable inputs and to establish classification of fair value measurements for disclosure purposes. Observable inputs reflect the assumptions market participants would use in pricing the asset or liability. Observable inputs are based on market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the reporting entity's own assumptions about the assumptions market participants would use in pricing the asset or liability. Unobservable inputs are based on the best information available in the circumstances. The following is a summary of the three-tiered hierarchy of valuation input levels.

Level 1 Inputs are unadjusted and prices are determined using quoted prices in active markets for identical securities.

Level 2 Prices are determined using other significant observable inputs (including quoted prices for similar securities, interest rates, credit spreads, etc.).

Level 3 Prices are determined using significant unobservable inputs (including management's assumptions in determining the fair value of investments).

Common stocks and other equity-type securities, such as MLPs, are valued at the last sales price on the securities exchange on which such securities are primarily traded and are generally classified as Level 1. Securities primarily traded on the Nasdaq National Market (Nasdaq) are valued at the Nasdaq Official Closing Price and are generally classified as Level 1. However, securities traded on a securities exchange or Nasdaq for which there were no transactions on a given day or securities not listed on a securities exchange or Nasdaq are valued at the quoted bid price and are generally classified as Level 2.

Prices of swap contracts are provided by an independent pricing service (pricing service) approved by the Board. The pricing service establishes a security's fair value using methods that may include consideration of the following: evaluations of anticipated cash flows or collateral, general market conditions and other information and analysis, including the obligor's credit characteristics considered relevant. These securities are generally classified as Level 2. In pricing certain securities, particularly less liquid and lower quality securities, the pricing service may consider information about a security, its issuer or market activity provided by the Adviser. These investments are generally classified as Level 2 or Level 3 depending on the observability of the significant inputs.

Repurchase agreements are valued at contract amount plus accrued interest, which approximates market value. These securities are generally classified as Level 2.

Certain securities may not be able to be priced by the pre-established pricing methods as described above. Such securities may be valued by the Board and/or its appointee at fair value. These securities generally include, but are not limited to, restricted securities (securities which may not be publicly sold without registration under the Securities Act of 1933, as amended) for which a pricing service is unable to provide a market price; securities whose trading has been formally suspended; debt securities that have gone into default and for which there is no current market quotation; a security whose market price is not available from a pre-established pricing source; a security with respect to which an event has occurred that is likely to materially affect the value of the security after the market has closed but before the calculation of a Fund's net asset value (NAV) (as may be the case in non-U.S. markets on which the security is primarily traded) or make it difficult or impossible to obtain a reliable market quotation; and a security whose price, as provided by the pricing service, is not deemed to reflect the security's fair value. As a general principle, the fair value of a security would appear to be the amount that the owner might reasonably expect to receive for it in a current sale. A variety of factors may be considered in determining the fair value of such securities, which may include consideration of the following: yields or prices of investments of comparable quality, type of issue, coupon, maturity and rating, market quotes or indications of value from security dealers, evaluations of anticipated cash flows or collateral, general market conditions and other information and analysis, including the obligor's credit characteristics considered relevant. These securities are generally classified as Level 2 or Level 3 depending on the observability of the significant inputs. Regardless of the method employed to value a particular security, all valuations are subject to review by the Board and/or its appointee.

The inputs or methodologies used for valuing securities are not an indication of the risks associated with investing in those securities. The following is a summary of each Fund's fair value measurements as of the end of the reporting period:

| JMF | Level 1 | Level 2 | Level 3 | Total |
|----------------------------------------------|-----------------------|----------------------|---------------------|-----------------------|
| Long-Term Investments*: | | | | |
| Master Limited Partnerships & MLP Affiliates | \$ 515,654,584 | \$ | \$ | \$ 515,654,584 |
| Common Stocks | 62,991,874 | | 5,245,536** | 68,237,410 |
| Short-Term Investments: | | | | |
| Repurchase Agreements | | 5,877,497 | | 5,877,497 |
| Investments in Derivatives: | | | | |
| Interest Rate Swaps*** | | 4,449,268 | | 4,449,268 |
| Total | \$ 578,646,458 | \$ 10,326,765 | \$ 5,245,536 | \$ 594,218,759 |
| JMLP | | | | |
| Long-Term Investments*: | | | | |

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| | | | | |
|----------------------------------------------|----------------|--------------|--------------|----------------|
| Master Limited Partnerships & MLP Affiliates | \$ 118,621,648 | \$ | \$ | \$ 118,621,648 |
| Common Stocks | 10,005,025 | | 1,150,435** | 11,155,460 |
| Short-Term Investments: | | | | |
| Repurchase Agreements | | 821,451 | | 821,451 |
| Investments in Derivatives: | | | | |
| Interest Rate Swaps*** | | 888,178 | | 888,178 |
| Total | \$ 128,626,673 | \$ 1,709,629 | \$ 1,150,435 | \$ 131,486,737 |

* Refer to the Fund's Portfolio of Investments for industry classifications.

** Refer to the Fund's Portfolio of Investments for securities classified as Level 3.

*** Represents net unrealized appreciation (depreciation) as reported in the Fund's Portfolio of Investments.

Notes to Financial Statements (continued)

The following is a reconciliation of the Funds' Level 3 investments held at the beginning and end of the measurement period:

| | JMF Level 3 Common Stocks | JMLP Level 3 Common Stocks |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------|
| Balance at the beginning of period | \$ | \$ |
| Gains (losses): | | |
| Net realized gains (losses) | | |
| Change in net unrealized appreciation (depreciation) | (1,753,464) | (384,565) |
| Purchases at cost | 6,999,000 | 1,535,000 |
| Sales at proceeds | | |
| Net discounts (premiums) | | |
| Transfers into | | |
| Transfers (out of) | | |
| Balance at the end of period | \$ 5,245,536 | \$ 1,150,435 |
| Change in net unrealized appreciation (depreciation) during the period of Level 3 securities held as of period end | \$ (1,753,464) | \$ (384,565) |

As of the measurement date, the Common Stocks categorized as Level 3 are fair valued by amortizing a discount to reflect a lack of marketability during the restricted period.

3. Portfolio Securities and Investments in Derivatives**Portfolio Securities***Master Limited Partnerships*

An MLP consists of a general partner and limited partners (or in the case of MLPs organized as limited liability companies, a managing member and members). The general partner or managing member typically controls the operations and management of the MLP and has an ownership stake in the MLP. The limited partners or members, through their ownership of limited partner or member interests, provide capital to the entity, which are intended to have no role in the operation and management of the entity and receive cash distributions.

Each Fund may purchase both domestic and international MLPs. Each Fund's investment in MLPs may include ownership of MLP common units and MLP subordinated units. Each Fund also may purchase MLP I-Shares (together with the MLPs, the MLP Entities). MLP I-Shares are pay-in-kind securities created as a means to facilitate institutional ownership of MLPs by simplifying the tax and administrative implications of the MLP structure. Generally, when an MLP pays its quarterly cash distribution to unitholders, holders of I-Shares do not receive a cash distribution; rather, they receive a dividend of additional I-Shares from the MLP of comparable value to the cash distribution paid to each unitholder. Each Fund may purchase interests in MLP Entities on an exchange or may utilize non-public market transactions to obtain its holdings, including but not limited to privately negotiated purchases of securities from the issuers themselves, broker-dealers or other qualified institutional buyers.

Repurchase Agreements

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In connection with transactions in repurchase agreements, it is each Fund's policy that its custodian take possession of the underlying collateral securities, the fair value of which exceeds the principal amount of the repurchase transaction, including accrued interest, at all times. If the counterparty defaults, and the fair value of the collateral declines, realization of the collateral may be delayed or limited.

The following table presents the repurchase agreements for the Funds that are subject to netting agreements as of the end of the reporting period, and the collateral delivered related to those repurchase agreements.

| Fund | Counterparty | Short-Term Investments, at Value | Collateral Pledged (From) Counterparty* | Net Exposure |
|-------------|-----------------------------------|---------------------------------------------|--------------------------------------------------------|-------------------------|
| JMF | Fixed Income Clearing Corporation | \$ 5,877,497 | \$ (5,877,497) | \$ |
| JMLP | Fixed Income Clearing Corporation | \$ 821,451 | \$ (821,451) | \$ |

* As of the end of the reporting period, the value of the collateral pledged from the counterparty exceeded the value of the repurchase agreements. Refer to the Fund's Portfolio of Investments for details on the repurchase agreements.

Investments in Derivatives

Each Fund is authorized to invest in certain derivative instruments such as futures, options and swap contracts. Each Fund limits its investments in futures, options on futures and swap contracts to the extent necessary for the Adviser to claim the exclusion from registration by the Commodity Futures Trading Commission as a commodity pool operator with respect to the Fund. The Funds record derivative instruments at fair value with changes in fair value

recognized on the Statement of Operations, when applicable. Even though the Funds' investments in derivatives may represent economic hedges, they are not considered to be hedge transactions for financial reporting purposes.

Interest Rate Swap Contracts

Interest rate swap contracts involve a Fund's agreement with the counterparty to pay or receive a fixed rate payment in exchange for the counterparty receiving or paying a variable rate payment. Forward interest rate swap contracts involve a Fund's agreement with a counterparty to pay, in the future, a fixed or variable rate payment in exchange for the counterparty paying the Fund a variable or fixed rate payment, the accruals for which begin at a specified date in the future (the effective date).

The amount of the payment obligation for an interest rate swap is based on the notional amount and the termination date of the swap contract. Interest rate swap contracts do not involve the delivery of securities or other underlying assets or principal. Accordingly, the risk of loss with respect to the swap counterparty on such transactions is limited to the net amount of interest payments that the Fund is to receive.

Interest rate swap contracts are valued daily. Upon entering into an interest rate swap contract (and beginning on the effective date for a forward interest rate swap contract), the Fund accrues the fixed rate payment expected to be paid or received and the variable rate payment expected to be received or paid on the interest rate swap contracts on a daily basis, and recognizes the daily change in the fair value of the Fund's contractual rights and obligations under the contracts. For an over-the-counter (OTC) swap that is not cleared through a clearing house (OTC Uncleared), the amount recorded on these transactions is recognized on the Statement of Assets and Liabilities as a component of Unrealized appreciation or depreciation on interest rate swaps.

Upon the execution of an OTC swap cleared through a clearing house (OTC Cleared), the Fund is obligated to deposit cash or eligible securities, also known as initial margin, into an account at its clearing broker equal to a specified percentage of the contract amount. Cash deposited by the Fund to cover initial margin requirements on open swap contracts, if any, is recognized as a component of Cash collateral at brokers for investments in swaps on the Statement of Assets and Liabilities. Investments in OTC Cleared swaps obligate the Fund and the clearing broker to settle monies on a daily basis representing changes in the prior day's mark-to-market of the swap contract. If the Fund has unrealized appreciation, the clearing broker will credit the Fund's account with an amount equal to the appreciation. Conversely, if the Fund has unrealized depreciation, the clearing broker will debit the Fund's account with an amount equal to the depreciation. These daily cash settlements are also known as variation margin. Variation margin for OTC Cleared swaps is recognized as a receivable and/or payable for Variation margin on swap contracts on the Statement of Assets and Liabilities. Upon the execution of an OTC Uncleared swap, neither the Fund nor the counterparty is required to deposit initial margin as the trades are recorded bilaterally between both parties to the swap contract, and the terms of the variation margin are subject to a predetermined threshold negotiated by the Fund and the counterparty. Variation margin for OTC Uncleared swaps is recognized as a component of Unrealized appreciation or depreciation on interest rate swaps as described in the preceding paragraph.

The net amount of periodic payments settled in cash are recognized as a component of Net realized gain (loss) from swaps before taxes on the Statement of Operations, in addition to the net realized gain or loss recorded upon the termination of the swap contract. For tax purposes, payments expected to be received or paid on the swap contracts are treated as ordinary income or expense, respectively. Changes in the value of the swap contracts during the fiscal period are recognized as a component of Change in net unrealized appreciation (depreciation) of swaps before taxes on the Statement of Operations. In certain instances, payments are made or received upon entering into the swap contract to compensate for differences between the stated terms of the swap agreements and prevailing market conditions (credit spreads, currency exchange rates, interest rates, and other relevant factors). Payments received or

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made at the beginning of the measurement period, if any, are recognized as Interest rate swaps premiums paid and/or received on the Statement of Assets and Liabilities.

During the current fiscal period, the Funds continued to utilize forward interest rate swap contracts to hedge the future interest expense of its leverage.

The average notional amount of interest rate swap contracts outstanding during the current fiscal period was as follows:

| | JMF | JMLP |
|----------------------------------------------------------------------|---------------|---------------|
| Average notional amount of interest rate swap contracts outstanding* | \$ 94,500,000 | \$ 21,000,000 |

* The average notional amount is calculated based on the outstanding notional at the beginning of the fiscal period and at the end of each fiscal quarter within the current fiscal period.

The following table presents the fair value of all swap contracts held by the Funds as of the end of the reporting period, the location of these instruments on the Statement of Assets and Liabilities and the primary underlying risk exposure.

| Underlying Risk Exposure | Derivative Instrument | Location on the Statement of Assets and Liabilities | | | |
|-----------------------------|--------------------------|-----------------------------------------------------|--------------|-------------------------|-------|
| | | Asset Derivatives | | (Liability) Derivatives | |
| | | Location | Value | Location | Value |
| JMF | | | | | |
| Interest rate | Swaps (OTC Uncleared) | Unrealized appreciation on interest rate swaps | \$ 4,449,268 | | \$ |
| JMLP | | | | | |
| Interest rate | Swaps (OTC Uncleared) | Unrealized appreciation on interest rate swaps | \$ 888,178 | | \$ |

Notes to Financial Statements (continued)

The following table presents the Funds' swap contracts subject to netting agreements and the collateral delivered related to those swap contracts as of the end of the reporting period.

| Fund | Counterparty | Gross Unrealized Appreciation (Depreciation) on Interest Rate Swaps** | Gross Unrealized Depreciation (Appreciation) on Interest Rate Swaps** | Net Unrealized Appreciation (Depreciation) on Interest Rate Swaps | Collateral Pledged to (from) Counterparty | Net Exposure |
|-------------|-------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------|---------------------|
| JMF | JPMorgan Chase Bank, N.A. | \$ 4,449,268 | \$ | \$ 4,449,268 | \$ (4,449,268) | \$ |
| JMLP | Morgan Stanley Capital Services LLC | \$ 888,178 | \$ | \$ 888,178 | \$ (888,178) | \$ |

**Represents gross unrealized appreciation (depreciation) for the counterparty as reported in the Fund's Portfolio of Investments.

The following table presents the amount of net realized gain (loss) and change in net unrealized appreciation (depreciation) recognized on swap contracts on the Statement of Operations during the current fiscal period, and the primary underlying risk exposure.

| Fund | Underlying Risk Exposure | Derivative Instrument | Net Realized Gain/(Loss) from Swaps Before Taxes | Change in Net Unrealized Appreciation (Depreciation) of Swaps Before Taxes |
|-------------|---------------------------------|------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|
| JMF | Interest rate | Swaps | \$ 68,212 | \$ 3,318,282 |
| JMLP | Interest rate | Swaps | \$ 9,147 | \$ 746,546 |

Market and Counterparty Credit Risk

In the normal course of business each Fund may invest in financial instruments and enter into financial transactions where risk of potential loss exists due to changes in the market (market risk) or failure of the other party to the transaction to perform (counterparty credit risk). The potential loss could exceed the value of the financial assets recorded on the financial statements. Financial assets, which potentially expose each Fund to counterparty credit risk, consist principally of cash due from counterparties on forward, option and swap transactions, when applicable. The extent of each Fund's exposure to counterparty credit risk in respect to these financial assets approximates their carrying value as recorded on the Statement of Assets and Liabilities.

Each Fund helps manage counterparty credit risk by entering into agreements only with counterparties the Adviser believes have the financial resources to honor their obligations and by having the Adviser monitor the financial stability of the counterparties. Additionally, counterparties may be required to pledge collateral daily (based on the daily valuation of the financial asset) on behalf of each Fund with a value approximately equal to the amount of any unrealized gain above a pre-determined threshold. Reciprocally, when each Fund has an unrealized loss, the Funds

have instructed the custodian to pledge assets of the Funds as collateral with a value approximately equal to the amount of the unrealized loss above a pre-determined threshold. Collateral pledges are monitored and subsequently adjusted if and when the valuations fluctuate, either up or down, by at least the pre-determined threshold amount.

4. Fund Shares

Shares Equity Shelf Programs and Offering Costs

The following Funds have each filed registration statements with the Securities and Exchange Commission (SEC) authorizing each Fund to issue additional shares through one or more equity shelf programs (Shelf Offering), which became effective with the SEC during the current and prior fiscal period.

Under these Shelf Offerings, the Funds, subject to market conditions, may raise additional equity capital by issuing additional shares from time to time in varying amounts and by different offering methods at a net price at or above the Fund's NAV per share. In the event a Fund's Shelf Offering registration statement is no longer current, the Fund may not issue additional shares until a post-effective amendment to the registration statement has been filed with the SEC.

Additional authorized shares, shares sold and offering proceeds, net of offering costs under each Fund's Shelf Offering during each Fund's current and prior fiscal period were as follows:

| | JMF | | JMLP | |
|------------------------------------------|------------------------------------|-------------------------------------|------------------------------------|--------------------------------------|
| | Year Ended 11/30/18 | Year Ended 11/30/17* | Year Ended 11/30/18 | Year Ended 11/30/17** |
| Additional authorized shares | 9,800,000 | 9,800,000 | 3,100,000 | 3,100,000 |
| Shares sold | 688,792 | 450,848 | 337,500 | 399,500 |
| Offering proceeds, net of offering costs | \$ 7,353,662 | \$ 4,819,170 | \$ 2,713,917 | \$ 3,479,922 |

* Represents additional authorized shares for the period October 17, 2017 through November 30, 2017.

** Represents additional authorized shares for the period July 12, 2017 through November 30, 2017.

Costs incurred by the Funds in connection with their initial shelf registration is recorded as a prepaid expense and recognized as "Deferred offering costs" on the Statement of Assets and Liabilities. These costs are amortized pro rata as shares are sold and are recognized as a component of "Proceeds from shelf offering, net of offering costs" on the Statement of Changes in Net Assets. Any deferred offering costs remaining one year after effectiveness of the initial shelf registration will be expensed. Costs incurred by the Funds to keep the shelf registration current are expensed as incurred and recognized as a component of "shelf offering expenses" on the Statement of Operations.

Share Transactions

Transactions in shares during the Funds' current and prior fiscal period were as follows:

| | JMF | | JMLP | |
|-------------------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | Year Ended 11/30/18 | Year Ended 11/30/17 | Year Ended 11/30/18 | Year Ended 11/30/17 |
| Shares: | | | | |
| Sold through shelf offering | 688,792 | 450,848 | 337,500 | 399,500 |
| Issued to shareholders due to reinvestment of distributions | | 144,671 | | 2,728 |
| Weighted average share: | | | | |
| Premium to NAV per shelf offering share sold | 1.63% | 1.54% | 1.57% | 1.65% |

5. Investment Transactions

Long-term purchases and sales (excluding derivative transactions, where applicable) during the current fiscal period were as follows:

| | JMF | JMLP |
|-----------|----------------|---------------|
| Purchases | \$ 148,230,391 | \$ 34,989,751 |
| Sales | 152,579,132 | 36,981,001 |

6. Management Fees and Other Transactions with Affiliates

Management Fees

Each Fund's management fee compensates the Adviser for overall investment advisory and administrative services and general office facilities. The Sub-Adviser is compensated for its services to the Funds from the management fees paid to the Adviser.

Each Fund's management fee consists of two components: a fund-level fee, based only on the amount of assets within each individual Fund, and a complex-level fee, based on the aggregate amount of all eligible fund assets managed by the Adviser. This pricing structure enables Fund shareholders to benefit from growth in the assets within their respective Fund as well as from growth in the amount of complex-wide assets managed by the Adviser.

The annual fund-level fee, payable monthly, for each Fund is calculated according to the following schedule:

| Average Daily Managed Assets* | Fund-Level Fee Rate |
|--------------------------------------|----------------------------|
| For the first \$500 million | 0.9000% |
| For the next \$500 million | 0.8750 |
| For the next \$500 million | 0.8500 |
| For the next \$500 million | 0.8250 |
| For managed assets over \$2 billion | 0.8000 |

Notes to Financial Statements (continued)

The annual complex-level fee, payable monthly, for each Fund is calculated by multiplying the current complex-wide fee rate, determined according to the following schedule by the Fund's daily managed assets:

| Complex-Level Eligible Asset Breakpoint Level* | Effective Complex-Level Fee Rate at Breakpoint Level |
|-------------------------------------------------------|-------------------------------------------------------------|
| \$55 billion | 0.2000% |
| \$56 billion | 0.1996 |
| \$57 billion | 0.1989 |
| \$60 billion | 0.1961 |
| \$63 billion | 0.1931 |
| \$66 billion | 0.1900 |
| \$71 billion | 0.1851 |
| \$76 billion | 0.1806 |
| \$80 billion | 0.1773 |
| \$91 billion | 0.1691 |
| \$125 billion | 0.1599 |
| \$200 billion | 0.1505 |
| \$250 billion | 0.1469 |
| \$300 billion | 0.1445 |

* For the complex-level fees, managed assets include closed-end fund assets managed by the Adviser that are attributable to certain types of leverage. For these purposes, leverage includes the funds' use of preferred stock and borrowings and certain investments in the residual interest certificates (also called inverse floating rate securities) in tender option bond (TOB) trusts, including the portion of assets held by a TOB trust that has been effectively financed by the trust's issuance of floating rate securities, subject to an agreement by the Adviser as to certain funds to limit the amount of such assets for determining managed assets in certain circumstances. The complex-level fee is calculated based upon the aggregate daily managed assets of all Nuveen open-end and closed-end funds that constitute eligible assets. Eligible assets do not include assets attributable to investments in other Nuveen funds or assets in excess of a determined amount (originally \$2 billion) added to the Nuveen fund complex in connection with the Adviser's assumption of the management of the former First American Funds effective January 1, 2011. As of November 30, 2018, the complex-level fee for each Fund was 0.1595%.

7. Borrowing Arrangements

Each Fund has entered into a borrowing arrangement ("Borrowings") as a means of leverage.

The Funds have entered into a credit agreement with a bank and its affiliate. Each Fund's maximum commitment amount under its Borrowings is as follows:

| | JMF | JMLP |
|---------------------------|----------------|---------------|
| Maximum commitment amount | \$ 230,000,000 | \$ 60,000,000 |

As of the end of the reporting period, each Fund's outstanding balance on its Borrowings was as follows:

| | JMF | JMLP |
|-----------------------------------|----------------|---------------|
| Outstanding balance on Borrowings | \$ 170,400,000 | \$ 37,750,000 |

Interest charged on these Borrowings is at a rate per annum equal to the 1-Month LIBOR (London Inter-Bank Offered Rate) plus 0.75% for JMF and plus 0.70% for JMLP. The Funds also accrue a commitment fee of 0.15% per annum on the daily undrawn portion of the Borrowings unless the undrawn portion of the Borrowings on that day is less than 40% of the maximum commitment amount.

During the current fiscal period, the average daily balance outstanding and average annual interest rate on each Fund's Borrowings were as follows:

| | JMF | JMLP |
|-----------------------------------|----------------|---------------|
| Average daily balance outstanding | \$ 169,768,493 | \$ 39,077,945 |
| Average annual interest rate | 2.69% | 2.64% |

Other Borrowings Information for the Funds

In order to maintain the Borrowings, the Funds must meet certain collateral, asset coverage and other requirements. Borrowings outstanding are fully secured by eligible securities held in each Fund's Portfolio of Investments.

Each Fund's Borrowings outstanding is recognized as Borrowings on the Statement of Assets and Liabilities. Interest expense incurred on the borrowed amount and undrawn balance are recognized as a component of Interest expense on borrowings on the Statement of Operations.

Inter-Fund Borrowing and Lending

The SEC has granted an exemptive order permitting registered open-end and closed-end Nuveen funds to participate in an inter-fund lending facility whereby the Nuveen funds may directly lend to and borrow money from each other for temporary purposes (e.g., to satisfy redemption requests or when a sale of securities fails, resulting in an unanticipated cash shortfall) (the Inter-Fund Program). The closed-end Nuveen funds, including the Funds covered by this shareholder report, will participate only as lenders, and not as borrowers, in the Inter-Fund Program because such closed-end funds rarely, if ever, need to borrow cash to meet redemptions. The Inter-Fund Program is subject to a number of conditions, including, among other things, the requirements that (1) no fund may borrow or lend money through the Inter-Fund Program unless it receives a more favorable interest rate than is typically available from a bank or other financial institution for a comparable transaction; (2) no fund may borrow on an unsecured basis through the Inter-Fund Program unless the fund's outstanding borrowings from all sources immediately after the inter-fund borrowing total 10% or less of its total assets; provided that if the borrowing fund has a secured borrowing outstanding from any other lender, including but not limited to another fund, the inter-fund loan must be secured on at least an equal priority basis with at least an equivalent percentage of collateral to loan value; (3) if a fund's total outstanding borrowings immediately after an inter-fund borrowing would be greater than 10% of its total assets, the fund may borrow through the inter-fund loan on a secured basis only; (4) no fund may lend money if the loan would cause its aggregate outstanding loans through the Inter-Fund Program to exceed 15% of its net assets at the time of the loan; (5) a fund's inter-fund loans to any one fund shall not exceed 5% of the lending fund's net assets; (6) the duration of inter-fund loans will be limited to the time required to receive payment for securities sold, but in no event more than seven days; and (7) each inter-fund loan may be called on one business day's notice by a lending fund and may be repaid on any day by a borrowing fund. In addition, a Nuveen fund may participate in the Inter-Fund Program only if and to the extent that such participation is consistent with the fund's investment objective and investment policies. The Board is responsible for overseeing the Inter-Fund Program.

The limitations detailed above and the other conditions of the SEC exemptive order permitting the Inter-Fund Program are designed to minimize the risks associated with Inter-Fund Program for both the lending fund and the borrowing fund. However, no borrowing or lending activity is without risk. When a fund borrows money from another fund, there is a risk that the loan could be called on one day's notice or not renewed, in which case the fund may have to borrow from a bank at a higher rate or take other actions to payoff such loan if an inter-fund loan is not available from another fund. Any delay in repayment to a lending fund could result in a lost investment opportunity or additional borrowing costs.

During the current reporting period, none of the Funds covered by this shareholder report have entered into any inter-fund loan activity.

8. New Accounting Pronouncements

Disclosure Update and Simplification

During August 2018, the SEC issued Final Rule Release No. 33-10532, Disclosure Update and Simplification (Final Rule Release No. 33-10532). Final Rule Release No. 33-10532 amends certain financial statement disclosure requirements to conform to U.S. GAAP. The amendments to Rule 6-04.17 of Regulation S-X (balance sheet) remove the requirement to separately state the book basis components of net assets: accumulated net investment income (loss), net of tax, accumulated net realized gain (loss), net of tax, and net unrealized appreciation (depreciation), net of tax at the balance sheet date. Instead, consistent with U.S. GAAP, funds will be required to disclose total distributable earnings. The amendments to Rule 6-09 of Regulation S-X (statement of changes in net assets) remove the requirement to separately state the sources of distributions paid. Instead, consistent with U.S. GAAP, funds will be

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required to disclose the total amount of distributions paid, except that any tax return of capital must be separately disclosed. The amendments also remove the requirement to parenthetically state the book basis amount of Accumulated net investment income (loss), net of tax on the statement of changes in net assets.

The requirements of Final Rule Release No. 33-10532 are effective November 5, 2018, and the Funds' Statement of Assets and Liabilities and Statement of Changes in Net Assets for the current reporting period have been modified accordingly. In addition, certain amounts within each Fund's Statement of Changes in Net Assets for the prior fiscal period have been modified to conform to Final Rule Release No. 33-10532.

For the prior fiscal period, the total amount of distributions paid to shareholders from net investment income and from accumulated net realized gains, if any, are recognized as Dividends on the Statement of Changes in Net Assets.

As of November 30, 2017, the Funds' Statement of Changes in Net Assets reflected the following Accumulated net investment income (loss), net of tax balances.

| | JMF | JMLP |
|---------------------------------------------------------------------------|-----------------|----------------|
| Accumulated net investment income (loss), net of tax at the end of period | \$ (83,163,451) | \$ (9,161,203) |

Additional Fund

Information

(Unaudited)

Board of Trustees

Margo Cook* Jack B. Evans William C. Hunter Albin F. Moschner John K. Nelson William J. Schneider**
 Judith M. Stockdale Carole E. Stone Terence J. Toth Margaret L. Wolff Robert L. Young

*Interested Board Member.

**Retired from the Funds Board of Trustees effective December 31, 2018.

| Fund Manager | Custodian | Legal Counsel | Independent Registered Public Accounting Firm | Transfer Agent and Shareholder Services |
|------------------------------------------------------|--------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Nuveen Fund Advisors, LLC | State Street Bank & Trust Company | Chapman and Cutler LLP Chicago, IL 60603 | PricewaterhouseCoopers LLP One North Wacker Drive Chicago, IL 60606 | Computershare Trust Company, N.A. 250 Royall Street Canton, MA 02021 (800) 257-8787 |
| 333 West Wacker Drive Chicago, IL 60606 | One Lincoln Street Boston, MA 02111 | | | |

Quarterly Form N-Q Portfolio of Investments Information

Each Fund is required to file its complete schedule of portfolio holdings with the Securities and Exchange Commission (SEC) for the first and third quarters of each fiscal year on Form N-Q. You may obtain this information directly from the SEC. Visit the SEC on-line at <http://www.sec.gov> or in person at the SEC's Public Reference Room in Washington, D.C. Call the SEC toll-free at (800) SEC-0330 for room hours and operation.

Nuveen Funds Proxy Voting Information

You may obtain (i) information regarding how each fund voted proxies relating to portfolio securities held during the most recent twelve-month period ended June 30, without charge, upon request, by calling Nuveen toll-free at (800) 257-8787 or on Nuveen's website at www.nuveen.com and (ii) a description of the policies and procedures that each fund used to determine how to vote proxies relating to portfolio securities without charge, upon request, by calling Nuveen toll free at (800) 257-8787. You may also obtain this information directly from the SEC. Visit the SEC on-line at <http://www.sec.gov>.

CEO Certification Disclosure

Each Fund's Chief Executive Officer (CEO) has submitted to the New York Stock Exchange (NYSE) the annual CEO certification as required by Section 303A.12(a) of the NYSE Listed Company Manual. Each Fund has filed with the SEC the certification of its CEO and Chief Financial Officer required by Section 302 of the Sarbanes-Oxley Act.

Share Repurchases

Each Fund intends to repurchase, through its open-market share repurchase program, shares of its own common stock at such times and in such amounts as is deemed advisable. During the period covered by this report, each Fund repurchased shares of its common stock, as shown in the accompanying table. Any future repurchases will be reported to shareholders in the next annual or semi-annual report.

| | JMF | JMLP |
|--------------------------|-----|------|
| Shares repurchased | | |
| FINRA BrokerCheck | | |

The Financial Industry Regulatory Authority (FINRA) provides information regarding the disciplinary history of FINRA member firms and associated investment professionals. This information as well as an investor brochure describing FINRA BrokerCheck is available to the public by calling the FINRA BrokerCheck Hotline number at (800) 289-9999 or by visiting www.FINRA.org.

Glossary of Terms

Used in this Report

(Unaudited)

Alerian MLP Index: A composite of the 50 most prominent energy Master Limited Partnerships. The index, which is calculated using a float-adjusted, capitalization-weighted methodology, is disseminated real-time on a price-return basis, and the corresponding total-return index is disseminated daily. The index returns assume reinvestment of distributions, but do not reflect any applicable sales charges or management fees.

Average Annual Total Return: This is a commonly used method to express an investment's performance over a particular, usually multi-year time period. It expresses the return that would have been necessary each year to equal the investment's actual cumulative performance (including change in NAV or market price and reinvested dividends and capital gains distributions, if any) over the time period being considered.

Effective Leverage: Effective leverage is a fund's effective economic leverage, and includes both regulatory leverage (see Leverage) and the leverage effects of certain derivative investments in the fund's portfolio.

Gross Domestic Product (GDP): The total market value of all final goods and services produced in a country/region in a given year, equal to total consumer, investment and government spending, plus the value of exports, minus the value of imports.

Leverage: Leverage is created whenever a fund has investment exposure (both reward and/or risk) equivalent to more than 100% of the investment capital.

Net Asset Value (NAV) Per Share: A fund's Net Assets is equal to its total assets (securities, cash, accrued earnings and receivables) less its total liabilities. NAV per share is equal to the fund's Net Assets divided by its number of shares outstanding.

Regulatory Leverage: Regulatory Leverage consists of preferred shares issued by or borrowings of a fund. Both of these are part of a fund's capital structure. Regulatory leverage is subject to asset coverage limits set in the Investment Company Act of 1940.

S&P 500®: An unmanaged index generally considered representative of the U.S. stock market. Index returns assume reinvestment of distributions, but do not reflect any applicable sales charges or management fees.

Reinvest Automatically,

Easily and Conveniently

Nuveen makes reinvesting easy. A phone call is all it takes to set up your reinvestment account.

Nuveen Closed-End Funds Automatic Reinvestment Plan

Nuveen Closed-End Fund allows you to conveniently reinvest distributions in additional Fund shares. By choosing to reinvest, you will be able to invest money regularly and automatically, and watch your investment grow through the power of compounding. Just like distributions in cash, there may be times when income or capital gains taxes may be payable on distributions that are reinvested. It is important to note that an automatic reinvestment plan does not ensure a profit, nor does it protect you against loss in a declining market.

Easy and convenient

To make recordkeeping easy and convenient, each month you will receive a statement showing your total distributions, the date of investment, the shares acquired and the price per share, and the total number of shares you own.

How shares are purchased

The shares you acquire by reinvesting will either be purchased on the open market or newly issued by the Fund. If the shares are trading at or above net asset value at the time of valuation, the Fund will issue new shares at the greater of the net asset value or 95% of the then-current market price. If the shares are trading at less than net asset value, shares for your account will be purchased on the open market. If the Plan Agent begins purchasing Fund shares on the open market while shares are trading below net asset value, but the Fund's shares subsequently trade at or above their net asset value before the Plan Agent is able to complete its purchases, the Plan Agent may cease open-market purchases and may invest the uninvested portion of the distribution in newly-issued Fund shares at a price equal to the greater of the shares' net asset value or 95% of the shares' market value on the last business day immediately prior to the purchase date. Distributions received to purchase shares in the open market will normally be invested shortly after the distribution payment date. No interest will be paid on distributions awaiting reinvestment. Because the market price of the shares may increase before purchases are completed, the average purchase price per share may exceed the market price at the time of valuation, resulting in the acquisition of fewer shares than if the distribution had been paid in shares issued by the Fund. A pro rata portion of any applicable brokerage commissions on open market purchases will be paid by Plan participants. These commissions usually will be lower than those charged on individual transactions.

Flexible

You may change your distribution option or withdraw from the Plan at any time, should your needs or situation change. You can reinvest whether your shares are registered in your name, or in the name of a brokerage firm, bank, or other nominee. Ask your investment advisor if his or her firm will participate on your behalf. Participants whose shares are registered in the name of one firm may not be able to transfer the shares to another firm and continue to participate in the Plan. The Fund reserves the right to amend or terminate the Plan at any time. Although the Fund reserves the right to amend the Plan to include a service charge payable by the participants, there is no direct service

charge to participants in the Plan at this time.

Call today to start reinvesting distributions

For more information on the Nuveen Automatic Reinvestment Plan or to enroll in or withdraw from the Plan, speak with your financial advisor or call us at (800) 257-8787.

Board Members & Officers

(Unaudited)

The management of the Funds, including general supervision of the duties performed for the Funds by the Adviser, is the responsibility of the Board of Trustees of the Funds. The number of trustees of the Funds is set at ten. None of the trustees who are not interested persons of the Funds (referred to herein as independent board members) has ever been a director or employee of, or consultant to, Nuveen or its affiliates. The names and business addresses of the trustees and officers of the Funds, their principal occupations and other affiliations during the past five years, the number of portfolios each oversees and other directorships they hold are set forth below.

| Name, Year of Birth & Address | Position(s) Held with the Funds | Year First Elected or Appointed and Term⁽¹⁾ | Principal Occupation(s) Including other Directorships During Past 5 Years | Number of Portfolios in Fund Complex Overseen by Board Member |
|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|

Independent Board Members:

| | | | | |
|-------------------------------------------------------------------------------------------|------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| TERENCE J. TOTH 1959 333 W. Wacker Drive Chicago, IL 60606 | Chairman and Board Member | 2008 Class II | Formerly, a Co-Founding Partner, Promus Capital (2008-2017); Director, Fulcrum IT Service LLC (since 2010) and Quality Control Corporation (since 2012); member: Catalyst Schools of Chicago Board (since 2008) and Mather Foundation Board (since 2012), and chair of its Investment Committee; formerly, Director, Legal & General Investment Management America, Inc. (2008-2013); formerly, CEO and President, Northern Trust Global Investments (2004-2007); Executive Vice President, Quantitative Management & Securities Lending (2000-2004); prior thereto, various positions with Northern Trust Company (since 1994); formerly, Member, Northern Trust Mutual Funds Board (2005-2007), Northern Trust Global | 169 |
|-------------------------------------------------------------------------------------------|------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|

| | | | | |
|-----------------------------------------------------------------------------------------|--------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| | | | Investments Board (2004-2007), Northern Trust Japan Board (2004-2007), Northern Trust Securities Inc. Board (2003-2007) and Northern Trust Hong Kong Board (1997-2004). | |
| JACK B. EVANS 1948 333 W. Wacker Drive Chicago, IL 60606 | Board Member | 1999 Class III | Chairman (since 2019), formerly, President (1996-2019), The Hall-Perrine Foundation, a private philanthropic corporation; Director and Chairman, United Fire Group, a publicly held company; Director, Public Member, American Board of Orthopaedic Surgery (since 2015); Life Trustee of Coe College and the Iowa College Foundation; formerly, President Pro-Tem of the Board of Regents for the State of Iowa University System; formerly, Director, Alliant Energy and The Gazette Company; formerly, Director, Federal Reserve Bank of Chicago; formerly, President and Chief Operating Officer, SCI Financial Group, Inc., a regional financial services firm. | 169 |
| WILLIAM C. HUNTER 1948 333 W. Wacker Drive Chicago, IL 60606 | Board Member | 2003 Class I | Dean Emeritus, formerly, Dean, Tippie College of Business, University of Iowa (2006-2012); Director of Wellmark, Inc. (since 2009); past Director (2005-2015), and past President (2010-2014) Beta Gamma Sigma, Inc., The International Business Honor Society; formerly, Director (2004-2018) of Xerox Corporation; Dean and Distinguished Professor of Finance, School of Business at the University of Connecticut (2003-2006); previously, Senior Vice President and Director of Research at the Federal Reserve Bank of Chicago (1995-2003); formerly, Director (1997-2007), Credit Research Center at Georgetown University. | 169 |
| ALBIN F. MOSCHNER 1952 333 W. Wacker Drive Chicago, IL 60606 | Board Member | 2016 Class III | Founder and Chief Executive Officer, Northcroft Partners, LLC, a management consulting firm (since 2012); Director, USA Technologies, Inc., a provider of solutions and services to facilitate electronic payment transactions (since 2012); formerly, Director, Wintrust Financial Corporation (1996-2016); | 169 |

previously, held positions at Leap Wireless International, Inc., including Consultant (2011-2012), Chief Operating Officer (2008-2011), and Chief Marketing Officer (2004-2008); formerly, President, Verizon Card Services division of Verizon Communications, Inc. (2000-2003); formerly, President, One Point Services at One Point Communications (1999-2000); formerly, Vice Chairman of the Board, Diba, Incorporated (1996-1997); formerly, various executive positions with Zenith Electronics Corporation (1991-1996).

Board Members & Officers (continued)

(Unaudited)

| Name, Year of Birth & Address | Position(s) Held with the Funds | Year First Elected or Appointed and Term⁽¹⁾ | Principal Occupation(s) Including other Directorships During Past 5 Years | Number of Portfolios in Fund Complex Overseen by Board Member |
|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|

Independent Board Members (continued):

| | | | | |
|------------------------------------------------------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| JOHN K. NELSON 1962 333 W. Wacker Drive Chicago, IL 60606 | Board Member | 2013 Class II | Member of Board of Directors of Core12 LLC (since 2008), a private firm which develops branding, marketing and communications strategies for clients; Director of The Curran Center for Catholic American Studies (since 2009) and The President's Council, Fordham University (since 2010); formerly, senior external advisor to the financial services practice of Deloitte Consulting LLP (2012-2014); formerly, Chairman of the Board of Trustees of Marian University (2010 as trustee, 2011-2014 as Chairman); formerly, Chief Executive Officer of ABN AMRO N.V. North America, and Global Head of its Financial Markets Division (2007-2008); prior senior positions held at ABN AMRO include Corporate Executive Vice President and Head of Global Markets-the Americas (2006-2007), CEO of Wholesale Banking North America and Global Head of Foreign Exchange and Futures Markets (2001-2006), and Regional Commercial Treasurer and Senior Vice President Trading-North America (1996-2001); formerly, Trustee at St. Edmund Preparatory School in New | 169 |
|------------------------------------------------------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|

York City.

| | | | | |
|----------------------------------------------|--------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| JUDITH M. STOCKDALE 1947 | Board Member | 1997 Class I | Board Member, Land Trust Alliance (since 2013) and U.S. Endowment for Forestry and Communities (since 2013); formerly, Executive Director (1994-2012), Gaylord and Dorothy Donnelley Foundation; prior thereto, Executive Director, Great Lakes Protection Fund (1990-1994). | 169 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |
| CAROLE E. STONE 1947 | Board Member | 2007 Class I | Former Director, Chicago Board Options Exchange, Inc. (2006-2017); and C2 Options Exchange, Incorporated (2009-2017); Director, CBOE Global Markets, Inc., formerly, CBOE Holdings, Inc. (since 2010); formerly, Commissioner, New York State Commission on Public Authority Reform (2005-2010). | 169 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |
| MARGARET L. WOLFF 1955 | Board Member | 2016 Class I | Formerly, member of the Board of Directors (2013-2017) of Travelers Insurance Company of Canada and The Dominion of Canada General Insurance Company (each, a part of Travelers Canada, the Canadian operation of The Travelers Companies, Inc.); formerly, Of Counsel, Skadden, Arps, Slate, Meagher & Flom LLP (Mergers & Acquisitions Group) (2005-2014); Member of the Board of Trustees of New York-Presbyterian Hospital (since 2005); Member (since 2004) and Chair (since 2015) of the Board of Trustees of The John A. Hartford Foundation (a philanthropy dedicated to improving the care of older adults); formerly, Member (2005-2015) and Vice Chair (2011-2015) of the Board of Trustees of Mt. Holyoke College. | 169 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |
| ROBERT L. YOUNG⁽²⁾ 1963 | Board Member | 2017 Class II | Formerly, Chief Operating Officer and Director, J.P.Morgan Investment Management Inc. (2010-2016); formerly, President and Principal Executive Officer (2013-2016), and Senior Vice President and Chief Operating Officer (2005-2010), of J.P.Morgan Funds; formerly, Director and various officer positions for J.P.Morgan Investment Management | 167 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |

Inc. (formerly, JPMorgan Funds Management, Inc. and formerly, One Group Administrative Services) and JPMorgan Distribution Services, Inc. (formerly, One Group Dealer Services, Inc.) (1999-2017).

| Name, Year of Birth & Address | Position(s) Held with the Funds | Year First Elected or Appointed and Term⁽¹⁾ | Principal Occupation(s) Including other Directorships During Past 5 Years | Number of Portfolios in Fund Complex Overseen by Board Member |
|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|

Interested Board Member:

| | | | | |
|-------------------------------------------------------------------------------------------------------|--------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| MARGO L. COOK⁽³⁾ 1964 333 W. Wacker Drive Chicago, IL 60606 | Board Member | 2016 Class III | President (since 2017), formerly, Co-Chief Executive Officer and Co-President (2016-2017), formerly, Senior Executive Vice President of Nuveen Investments, Inc.; President, Global Products and Solutions (since 2017), and, Co-Chief Executive Officer (since 2015), formerly, Executive Vice President (2013-2015), of Nuveen Securities, LLC; Executive Vice President (since 2017) of Nuveen, LLC; President (since August 2017), formerly Co-President (2016- 2017), formerly, Senior Executive Vice President of Nuveen Fund Advisors, LLC (Executive Vice President since 2011); President (since 2017), Nuveen Alternative Investments, LLC; Chartered Financial Analyst. | 169 |
|-------------------------------------------------------------------------------------------------------|--------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|

| Name, Year of Birth & Address | Position(s) Held with the Funds | Year First Elected or Appointed⁽⁴⁾ | Principal Occupation(s) During Past 5 Years | Number of Portfolios in Fund Complex Overseen by Officer |
|--------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|
|--------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|

Officers of the Funds:

| | | | | |
|--------------------------------------|--|-------------|-----------------------------------------------------------------------|-----------|
| CEDRIC H. ANTOSIEWICZ 1962 | | 2007 | Senior Managing Director (since 2017), formerly, Managing Director | 75 |
|--------------------------------------|--|-------------|-----------------------------------------------------------------------|-----------|

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| | | | | |
|------------------------------------------|---------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 333 W. Wacker Drive Chicago, IL 60606 | Chief Administrative Officer | | (2004-2017) of Nuveen Securities, LLC; Senior Managing Director (since 2017), formerly, Managing Director (2014-2017) of Nuveen Fund Advisors, LLC. | |
| STEPHEN D. FOY 1954 | Vice President and Controller | 1998 | Managing Director (since 2014), formerly, Senior Vice President (2013-2014) and Vice President (2005-2013) of Nuveen Fund Advisors, LLC; Managing Director (since 2016) of Nuveen Securities, LLC Managing Director (since 2016) of Nuveen Alternative Investments, LLC; Certified Public Accountant. | 169 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |
| NATHANIEL T. JONES 1979 | Vice President and Treasurer | 2016 | Managing Director (since 2017), formerly, Senior Vice President (2016-2017), formerly, Vice President (2011-2016) of Nuveen; Managing Director of Nuveen Fund Advisors, LLC; Chartered Financial Analyst. | 169 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |
| WALTER M. KELLY 1970 | Chief Compliance Officer and Vice President | 2003 | Managing Director (since 2017), formerly, Senior Vice President (2008-2017) of Nuveen. | 169 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |
| DAVID J. LAMB 1963 | Vice President | 2015 | Managing Director (since 2017), formerly, Senior Vice President of Nuveen (since 2006), Vice President prior to 2006. | 75 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |
| TINA M. LAZAR 1961 | Vice President | 2002 | Managing Director (since 2017), formerly, Senior Vice President (2014-2017) of Nuveen Securities, LLC. | 169 |
| 333 W. Wacker Drive Chicago, IL 60606 | | | | |

Board Members & Officers (continued)

(Unaudited)

| Name, Year of Birth & Address | Position(s) Held with the Funds | Year First Elected or Appointed⁽⁴⁾ | Principal Occupation(s) During Past 5 Years | Number of Portfolios in Fund Complex Overseen by Officer |
|--------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------|
|--------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------|

Officers of the Funds (continued):

| | | | | |
|---------------------------------------------------------------------------------------------|----------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| KEVIN J. MCCARTHY 1966 333 W. Wacker Drive Chicago, IL 60606 | Vice President and Assistant Secretary | 2007 | Senior Managing Director (since 2017) and Secretary and General Counsel (since 2016) of Nuveen Investments, Inc., formerly, Executive Vice President (2016-2017) and Managing Director and Assistant Secretary (2008-2016); Senior Managing Director (since 2017) and Assistant Secretary (since 2008) of Nuveen Securities, LLC, formerly Executive Vice President (2016-2017) and Managing Director (2008-2016); Senior Managing Director (since 2017), Secretary (since 2016) and Co-General Counsel (since 2011) of Nuveen Fund Advisors, LLC, formerly, Executive Vice President (2016-2017), Managing Director (2008-2016) and Assistant Secretary (2007-2016); Senior Managing Director (since 2017), Secretary (since 2016) and Associate General Counsel (since 2011) of Nuveen Asset Management, LLC, formerly Executive Vice President (2016-2017) and Managing Director and Assistant Secretary (2011-2016); Senior Managing Director (since 2017) and Secretary (since 2016) of Nuveen Investments Advisers, LLC, formerly Executive Vice President (2016-2017); Vice President (since 2007) and Secretary (since 2016), formerly, | 169 |
|---------------------------------------------------------------------------------------------|----------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|

Assistant Secretary, of NWQ Investment Management Company, LLC, Symphony Asset Management LLC, Santa Barbara Asset Management, LLC and Winslow Capital Management, LLC (since 2010). Senior Managing Director (since 2017) and Secretary (since 2016) of Nuveen Alternative Investments, LLC.

| | | | | |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <p>WILLIAM T. MEYERS 1966</p> <p>333 W. Wacker Drive</p> <p>Chicago, IL 60606</p> | <p>Vice President</p> | <p>2018</p> | <p>Senior Managing Director (since 2017), formerly, Managing Director (2016-2017), Senior Vice President (2010-2016) of Nuveen Securities, LLC; and Nuveen Fund Advisors, LLC; Senior Managing Director (since 2017), formerly, Managing Director (2016-2017), Senior Vice President (2010-2016) of Nuveen, has held various positions with Nuveen since 1991.</p> | <p>75</p> |
| <p>MICHAEL A. PERRY 1967</p> <p>333 W. Wacker Drive</p> <p>Chicago, IL 60606</p> | <p>Vice President</p> | <p>2017</p> | <p>Executive Vice President (since 2017), previously Managing Director from 2016), of Nuveen Fund Advisors, LLC and Nuveen Alternative Investments, LLC; Executive Vice President (since 2017), formerly, Managing Director (2015-2017), of Nuveen Securities, LLC; formerly, Managing Director (2010-2015) of UBS Securities, LLC.</p> | <p>75</p> |
| <p>CHRISTOPHER M. ROHRBACHER 1971</p> <p>333 W. Wacker Drive</p> <p>Chicago, IL 60606</p> | <p>Vice President and Assistant Secretary</p> | <p>2008</p> | <p>Managing Director (since 2017) and Assistant Secretary of Nuveen Securities, LLC; Managing Director (since 2017), formerly, Senior Vice President (2016-2017) and Assistant Secretary (since 2016) of Nuveen Fund Advisors, LLC.</p> | <p>169</p> |
| <p>WILLIAM A. SIFFERMANN 1975</p> <p>333 W. Wacker Drive</p> <p>Chicago, IL 60606</p> | <p>Vice President</p> | <p>2017</p> | <p>Managing Director (since 2017), formerly Senior Vice President (2016-2017) and Vice President (2011-2016) of Nuveen.</p> | <p>169</p> |

| | | | | |
|-----------------------|----------------|-------------|----------------------------------------|------------|
| JOEL T. SLAGER | | | Fund Tax Director for Nuveen Funds | |
| 1978 | Vice President | 2013 | (since 2013); previously, Vice | 169 |
| | and Assistant | | President of Morgan Stanley | |
| 333 W. Wacker | Secretary | | Investment Management, Inc., | |
| Drive | | | Assistant Treasurer of the Morgan | |
| | | | Stanley Funds (from 2010 to 2013). | |
| Chicago, IL 60606 | | | | |
| MARK L. WINGET | | | Vice President and Assistant Secretary | |
| 1968 | Vice President | 2008 | of Nuveen Securities, LLC (since | 169 |
| | and Assistant | | 2008); Vice President (since 2010) and | |
| 333 W. Wacker | Secretary | | Associate General Counsel (since | |
| Drive | | | 2008) of Nuveen. | |
| Chicago, IL 60606 | | | | |

| Name, Year of Birth & Address | Position(s) Held with the Funds | Year First Elected or Appointed⁽⁴⁾ | Principal Occupation(s) During Past 5 Years | Number of Portfolios in Fund Complex Overseen by Officer |
|--------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|
|--------------------------------------------------|--------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------|

Officers of the Funds (continued):

| | | | | |
|----------------------------------------------------------------------------------------|-----------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| GIFFORD R. ZIMMERMAN 1956 333 W. Wacker Drive Chicago, IL 60606 | Vice President Secretary | 1988 | Managing Director (since 2002), and Assistant Secretary of Nuveen Securities, LLC; Managing Director (since 2004) and Assistant Secretary (since 1994) of Nuveen Investments, Inc.; Managing Director (since 2002), Assistant Secretary (since 1997) and Co-General Counsel (since 2011) of Nuveen Fund Advisors, LLC; Managing Director, Assistant Secretary and Associate General Counsel of Nuveen Asset Management, LLC (since 2011); Vice President (since 2017), formerly, Managing Director (2003-2017) and Assistant Secretary (since 2003) of Symphony Asset Management LLC; Managing Director and Assistant Secretary (since 2002) of Nuveen Investments Advisers, LLC; Vice President and Assistant Secretary of NWQ Investment Management Company, LLC (since 2002), Santa Barbara Asset Management, LLC (since 2006), and of Winslow Capital Management, LLC, (since 2010); Chartered Financial Analyst. | 169 |
|----------------------------------------------------------------------------------------|-----------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|

(1) The Board of Trustees is divided into three classes, Class I, Class II, and Class III, with each being elected to serve until the third succeeding annual shareholders meeting subsequent to its election or thereafter in each case when its respective successors are duly elected or appointed, except two board members are elected by the holders of Preferred Shares, when applicable, to serve until the next annual shareholders meeting subsequent to its election or thereafter in each case when its respective successors are duly elected or appointed. The year first elected or appointed represents the year in which the board member was first elected or appointed to any fund in the Nuveen Complex.

(2) On May 25, 2017, Mr. Young was appointed as a Board Member, effective July 1, 2017. He is a Board Member of each of the Nuveen Funds, except Nuveen Diversified Dividend and Income Fund and Nuveen Real Estate Income

Fund.

- (3) Interested person as defined in the 1940 Act, by reason of her position with Nuveen, LLC. and certain of its subsidiaries, which are affiliates of the Nuveen Funds.
- (4) Officers serve one year terms through August of each year. The year first elected or appointed represents the year in which the Officer was first elected or appointed to any fund in the Nuveen Complex.

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Nuveen:

Serving Investors for Generations

Since 1898, financial advisors and their clients have relied on Nuveen to provide dependable investment solutions through continued adherence to proven, long-term investing principles. Today, we offer a range of high quality solutions designed to be integral components of a well-diversified core portfolio.

Focused on meeting investor needs.

Nuveen is the investment manager of TIAA. We have grown into one of the world's premier global asset managers, with specialist knowledge across all major asset classes and particular strength in solutions that provide income for investors and that draw on our expertise in alternatives and responsible investing. Nuveen is driven not only by the independent investment processes across the firm, but also the insights, risk management, analytics and other tools and resources that a truly world-class platform provides. As a global asset manager, our mission is to work in partnership with our clients to create solutions which help them secure their financial future.

Find out how we can help you.

To learn more about how the products and services of Nuveen may be able to help you meet your financial goals, talk to your financial advisor, or call us at (800) 257-8787. Please read the information provided carefully before you invest. Investors should consider the investment objective and policies, risk considerations, charges and expenses of any investment carefully.

Learn more about Nuveen Funds at: **www.nuveen.com/closed-end-funds**

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EAN-A-1118D 702446-INV-Y-01/19

ITEM 2. CODE OF ETHICS.

As of the end of the period covered by this 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. There were no amendments to or waivers from the Code during the period covered by this report. The registrant has posted the code of ethics on its website at www.nuveen.com/CEF/Shareholder/FundGovernance.aspx. (To view the code, click on Code of Conduct.)

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

As of the end of the period covered by this report, the registrant's Board of Directors or Trustees (the "Board") determined that the registrant has at least one audit committee financial expert (as defined in Item 3 of Form N-CSR) serving on its Audit Committee. The registrant's audit committee financial experts are Carole E. Stone, Jack B. Evans and William C. Hunter, who are independent for purposes of Item 3 of Form N-CSR.

Ms. Stone served for five years as Director of the New York State Division of the Budget. As part of her role as Director, Ms. Stone was actively involved in overseeing the development of the State's operating, local assistance and capital budgets, its financial plan and related documents; overseeing the development of the State's bond-related disclosure documents and certifying that they fairly presented the State's financial position; reviewing audits of various State and local agencies and programs; and coordinating the State's system of internal audit and control. Prior to serving as Director, Ms. Stone worked as a budget analyst/examiner with increasing levels of responsibility over a 30 year period, including approximately five years as Deputy Budget Director. Ms. Stone has also served as Chair of the New York State Racing Association Oversight Board, as Chair of the Public Authorities Control Board, as a Commissioner on the New York State Commission on Public Authority Reform and as a member of the Boards of Directors of several New York State public authorities. These positions have involved overseeing operations and finances of certain entities and assessing the adequacy of project/entity financing and financial reporting. Currently, Ms. Stone is on the Board of Directors of CBOE Holdings, Inc., of the Chicago Board Options Exchange, and of C2 Options Exchange. Ms. Stone's position on the boards of these entities and as a member of both CBOE Holdings' Audit Committee and its Finance Committee has involved, among other things, the oversight of audits, audit plans and preparation of financial statements.

Mr. Evans was formerly President and Chief Operating Officer of SCI Financial Group, Inc., a full service registered broker-dealer and registered investment adviser (the "SCI"). As part of his role as President and Chief Operating Officer, Mr. Evans actively supervised the Chief Financial Officer (the "CFO") and actively supervised the CFO's preparation of financial statements and other filings with various regulatory authorities. In such capacity, Mr. Evans was actively involved in the preparation of SCI's financial statements and the resolution of issues raised in connection therewith. Mr. Evans has also served on the audit committee of various reporting companies. At such companies, Mr. Evans was involved in the oversight of audits, audit plans, and the preparation of financial statements. Mr. Evans also formerly chaired the audit committee of the Federal Reserve Bank of Chicago.

Mr. Hunter was formerly a Senior Vice President at the Federal Reserve Bank of Chicago. As part of his role as Senior Vice President, Mr. Hunter was the senior officer responsible for all operations of each of the Economic Research, Statistics, and Community and Consumer Affairs units at the Federal Reserve Bank of Chicago. In such capacity, Mr. Hunter oversaw the subunits of the Statistics and Community and Consumer Affairs divisions responsible for the analysis and evaluation of bank and bank holding company financial statements and financial filings. Prior to serving as Senior Vice President at the Federal Reserve Bank of Chicago, Mr. Hunter was the Vice President of the Financial Markets unit at the Federal Reserve Bank of Atlanta where he supervised financial staff and bank holding company analysts who analyzed and evaluated bank and bank holding company financial statements. Mr. Hunter also currently serves on the Boards of Directors of Xerox Corporation and Wellmark, Inc. as well as on the Audit Committees of such Boards. As an Audit Committee member, Mr. Hunter's responsibilities include, among

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other things, reviewing financial statements, internal audits and internal controls over financial reporting. Mr. Hunter also formerly was a Professor of Finance at the University of Connecticut School of Business and has authored numerous scholarly articles on the topics of finance, accounting and economics.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

| Fiscal Year Ended | Audit-Related Fees | | | All |
|--------------------------------------------------------|----------------------------------------|-----------------------------|--------------------------------------|----------------------------------------|
| | Audit Fees Billed to Fund ¹ | Billed to Fund ² | Tax Fees Billed to Fund ³ | Other Fees Billed to Fund ⁴ |
| November 30, 2018 | \$ 61,174 | \$ 5,500 | \$ 35,000 | \$ 0 |
| Percentage approved pursuant to pre-approval exception | 0% | 0% | 0% | 0% |
| November 30, 2017 | \$ 60,096 | \$ 5,500 | \$ 38,500 | \$ 0 |
| Percentage approved pursuant to pre-approval exception | 0% | 0% | 0% | 0% |

¹ Audit Fees are the aggregate fees billed for professional services for the audit of the Fund's annual financial statements and services provided in connection with statutory and regulatory filings or engagements.

² Audit Related Fees are the aggregate fees billed for assurance and related services reasonably related to the performance of the audit or review of financial statements that are not reported under Audit Fees. These fees include offerings related to the Fund's common shares and leverage.

³ Tax Fees are the aggregate fees billed for professional services for tax advice, tax compliance, and tax planning. These fees include: all global withholding tax services; excise and state tax reviews; capital gain, tax equalization and taxable basis calculation performed by the principal accountant.

⁴ All Other Fees are the aggregate fees billed for products and services other than Audit Fees, Audit-Related Fees and Tax Fees. These fees represent all Agreed-Upon Procedures engagements pertaining to the Fund's use of leverage.

SERVICES THAT THE FUND'S AUDITOR BILLED TO THE

ADVISER AND AFFILIATED FUND SERVICE PROVIDERS

The following tables show the amount of fees billed by PricewaterhouseCoopers LLP to Nuveen Fund Advisors, LLC (formerly Nuveen Fund Advisors, Inc.) (the Adviser), and any entity controlling, controlled by or under common control with the Adviser that provides ongoing services to the Fund (Affiliated Fund Service Provider), for engagements directly related to the Fund's operations and financial reporting, during the Fund's last two full fiscal years.

The tables also show the percentage of fees subject to the pre-approval exception. The pre-approval exception for services provided to the Adviser and any Affiliated Fund Service Provider (other than audit, review or attest services) waives the pre-approval requirement if: (A) the aggregate amount of all such services provided constitutes no more than 5% of the total amount of revenues paid to PricewaterhouseCoopers LLP by the Fund, the Adviser and Affiliated Fund Service Providers during the fiscal year in which the services are provided that would have to be pre-approved by the Audit Committee; (B) the Fund did not recognize the services as non-audit services at the time of the engagement; and (C) the services are promptly brought to the Audit Committee's attention, and the Committee (or its delegate) approves the services before the Fund's audit is completed.

| Fiscal Year Ended | Audit-Related Fees | | | Fees Billed to | | |
|--------------------------------------------------------|-----------------------|----|--|---------------------|----|--|
| | Billed to Adviser and | | | Adviser | | |
| | Affiliated | | | and | | |
| | Fund | | | Affiliated | | |
| | Service | | | Fund | | |
| | Providers | | | Service | | |
| | | | | Providers | | |
| | | | | | | |
| | | | | All Other Fees | | |
| | | | | Billed to Adviser | | |
| | | | | and Affiliated Fund | | |
| | | | | Service | | |
| | | | | Providers | | |
| | | | | | | |
| November 30, 2018 | \$ | 0 | | \$ | 0 | |
| Percentage approved pursuant to pre-approval exception | | 0% | | | 0% | |
| November 30, 2017 | \$ | 0 | | \$ | 0 | |
| Percentage approved pursuant to pre-approval exception | | 0% | | | 0% | |

NON-AUDIT SERVICES

The following table shows the amount of fees that PricewaterhouseCoopers LLP billed during the Fund's last two full fiscal years for non-audit services. The Audit Committee is required to pre-approve non-audit services that PricewaterhouseCoopers LLP provide to the Adviser and any Affiliated Fund Services Provider, if the engagement related directly to the Fund's operations and financial reporting (except for those subject to the pre-approval exception described above). The Audit Committee requested and received information from PricewaterhouseCoopers LLP about any non-audit services that PricewaterhouseCoopers LLP rendered during the Fund's last fiscal year to the Adviser and any Affiliated Fund Service Provider. The Committee considered this information in evaluating PricewaterhouseCoopers LLP's independence.

| | Total Non-Audit Fees billed to Adviser and Affiliated Fund Service Providers (engagements related directly to the operations and financial reporting of the Fund) | | | | Total Non-Audit Fees billed to Adviser and Affiliated Fund Service Providers (all other engagements) | | | | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|---|------------------------------------------------------------------------------------------------------|---|----|---|-----------|
| Fiscal Year Ended | Billed to Fund | | | | Billed to Fund | | | | Total |
| November 30, 2018 | \$ | 35,000 | \$ | 0 | \$ | 0 | \$ | 0 | \$ 35,000 |
| November 30, 2017 | \$ | 38,500 | \$ | 0 | \$ | 0 | \$ | 0 | \$ 38,500 |

Non-Audit Fees billed to Fund for both fiscal year ends represent Tax Fees and All Other Fees billed to Fund in their respective amounts from the previous table.

Less than 50 percent of the hours expended on the principal accountant's engagement to audit the registrant's financial statements for the most recent fiscal year were attributed to work performed by persons other than the principal accountant's full-time, permanent employees.

Audit Committee Pre-Approval Policies and Procedures. Generally, the Audit Committee must approve (i) all non-audit services to be performed for the Fund by the Fund's independent accountants and (ii) all audit and non-audit services to be performed by the Fund's independent accountants for the Affiliated Fund Service Providers with respect to operations and financial reporting of the Fund. Regarding tax and research projects conducted by the independent accountants for the Fund and Affiliated Fund Service Providers (with respect to operations and financial reports of the Fund) such engagements will be (i) pre-approved by the Audit Committee if they are expected to be for amounts greater than \$10,000; (ii) reported to the Audit Committee chairman for his verbal approval prior to engagement if they are expected to be for amounts under \$10,000 but greater than \$5,000; and (iii) reported to the Audit Committee at the next Audit Committee meeting if they are expected to be for an amount under \$5,000.

ITEM 5. AUDIT COMMITTEE OF LISTED REGISTRANTS.

The registrant's Board has a separately designated Audit Committee established in accordance with Section 3(a)(58)(A) of the Securities Exchange Act of 1934, as amended (15 U.S.C. 78c(a)(58)(A)). As of the end of the period covered by this report, the members of the audit committee are Jack B. Evans, Chair, William C. Hunter, John K. Nelson, Carole E. Stone and Terence J. Toth.

ITEM 6. SCHEDULE OF INVESTMENTS.

(a) See Portfolio of Investments in Item 1.

(b) Not applicable.

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

The registrant has delegated the voting of proxies relating to its voting securities to its investment sub-adviser, Advisory Research Inc. (the Sub-Adviser or ARI). The Sub-Adviser's Proxy Voting Policies and Procedures are as follows:

Proxy Voting Policy and Procedures

Regulatory Requirement

An adviser exercising proxy voting for clients must:

- a) **Written Policies and Procedures.** Adopt written policies and procedures that (1) are reasonably designed to ensure that the adviser votes proxies in the best interest of its clients, and (2) address how the adviser resolves any material conflicts of interest that may arise when voting client proxies;
- b) **Information Disclosures.** Disclose to clients how they can obtain information about how the adviser voted their securities, and how clients can obtain a copy of the adviser's proxy voting policies and procedures; and
- c) **Policies and Procedures Description.** Describe in its Form ADV Part 2 or in a separate disclosure document the adviser's proxy voting policies and procedures.

[Rule 206(4)-6]

Policy

ARI seeks to vote or otherwise process, such as by a decision to abstain from voting or to take no action on, proxies over which it has voting authority in the best interests of ARI's clients.

Procedures for MLP & Energy Infrastructure Strategies:

Voting decisions. ARI shall evaluate each proxy of a Master Limited Partnership (MLP) on a case by case basis due to their unique nature. Any proxies received for equity or debt securities other than MLP's will be voted with management because ARI believes that recommendations by management teams or their board of directors generally are in shareholders' best interests, and therefore in the best economic interest of ARI's clients. There are times when ARI believes management's position on a particular proxy issue is not in the best interests of our clients but it does not warrant a sale of the clients' shares. In these circumstances, ARI will vote contrary to management's recommendations.

Decision to abstain. ARI may process certain proxies without voting them, such as by making a decision to abstain from voting or take no action on such proxies (or on certain proposals within such proxies). Examples include, without limitation, proxies issued by companies that ARI has decided to sell, proxies issued for securities that ARI did not select for a client portfolio (such as, without limitation, securities that were selected by the client or by a previous adviser, unsupervised securities held in a client's account, money market securities, or other securities selected by clients or their representatives other than ARI), or proxies issued by foreign companies that impose burdensome or unreasonable voting, power of attorney, or holding requirements.

ARI also may abstain from voting, or take no action on, proxies in other circumstances, such as when voting may not be in the best interests of clients, as an alternative to voting with (or against) management, or when voting may be unduly burdensome or expensive.

Conflicts of Interest. In certain circumstances, such as when the proponent of a proxy proposal is also a client of ARI, an appearance might arise of a potential conflict between ARI's interests and the interests of affected clients in how the proxies of that issuer are voted. When ARI itself knowingly does business with a particular proxy issuer and a material conflict of interest between ARI's interests and clients' interests may appear to exist, ARI generally would, to avoid any appearance concerns, follow an alternative procedure rather than vote proxies as recommended by management. Such an alternative procedure generally would involve causing the proxies to be voted in accordance with the recommendations of an independent service provider that ARI may use to assist in voting proxies.

ARI generally will not notify clients if it uses this procedure to resolve an apparent material conflict of interest. ARI will document the identification of any material conflict of interest and its procedure for resolving the particular conflict.

In unusual cases, ARI may use other alternative procedures to address circumstances when a material conflict of interest may appear to exist, such as, without limitation:

- (i) Notifying affected clients of the conflict of interest (if practical), and seeking a waiver of the conflict to permit ARI to vote the proxies under its usual policy;
- (ii) Abstaining from voting the proxies; or
- (iii) Forwarding the proxies to clients so that clients may vote the proxies themselves. ARI generally will notify clients if it uses one of these alternative procedures to resolve a material conflict of interest.

Voting by Client Instead of ARI

An ARI client may vote its own proxies instead of directing ARI to do so. ARI recommends this approach if a client believes that proxies should be voted based on political or social interests. ARI generally will not accept proxy voting authority from a client (and will encourage the client to vote its own proxies) if the client seeks to impose client-specific voting guidelines that may be inconsistent with ARI's procedures or with the client's best economic interest in ARI's view.

ARI generally will abstain from voting on (or otherwise participating in) the commencement of legal proceedings such as shareholder class actions or bankruptcy proceedings.

Recordkeeping. ARI or a service provider maintains, in accordance with Rule 204-2 of the Investment Advisers Act:

- (i) Copies of all proxy voting policies and procedures;
- (ii) Copies of proxy statements received (unless maintained elsewhere as described below);
- (iii) Records of proxy votes cast on behalf of clients;
- (iv) Documents prepared by ARI that are material to a decision on how to vote or memorializing the basis for a decision;
- (v) Written client requests for proxy voting information and
- (vi) Written responses by ARI to written or oral client requests.

ARI will obtain an undertaking from any service provider that the service provider will provide copies of proxy voting records and other documents promptly upon request if ARI relies on the service provider to maintain related records.

ARI or its service provider may rely on the SEC's EDGAR system to keep records of certain proxy statements if the proxy statements are maintained by issuers on that system (as is generally true in the case of larger U.S.-based issuers).

Adopted effective August 1, 2003 and as amended July 31, 2014.

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

Nuveen Fund Advisors, LLC is the registrant's investment adviser (also referred to as the Adviser). The Adviser is responsible for the selection and on-going monitoring of the Fund's investment portfolio, managing the Fund's business affairs and providing certain clerical, bookkeeping and administrative services. The Adviser has engaged Advisory Research Inc., (Advisory Research or Sub-Adviser), as sub-adviser to provide discretionary investment advisory services. The following section provides information on the portfolio managers at the Sub-Adviser.

Item 8(a)(1). PORTFOLIO MANAGER BIOGRAPHIES

As of the date of filing this report, the following individuals at the Sub-Adviser (the Portfolio Managers) have primary responsibility for the day-to-day implementation of the Fund's investment strategy:

James J. Cunnane Jr., CFA Managing Director, Chief Investment Officer-MLPs

Mr. Cunnane is a Managing Director and Chief Investment Officer of the Advisory Research MLP & Energy Infrastructure team. He oversees the firm's MLP and energy infrastructure product lines and chairs the Risk Management Committee. He joined the MLP team in 1996 and currently serves as a portfolio manager for the team's MLP & Energy Infrastructure accounts. Mr. Cunnane holds a B.S. in finance from Indiana University and is a Chartered Financial Analyst (CFA®) charterholder. He serves as an independent trustee to several institutional investment plans and is a member of the Board of Directors of St. Patrick's Center.

Quinn T. Kiley Managing Director, Senior Portfolio Manager

Mr. Kiley is a Managing Director and a Senior Portfolio Manager of the Advisory Research MLP & Energy infrastructure team. His responsibilities include portfolio management of various energy infrastructure assets and oversight of the energy infrastructure research process. He joined the MLP team in 2005. Prior to that, Mr. Kiley served as Vice President of Corporate & Investment Banking at Banc of America Securities in New York. He was responsible for executing strategic advisory and financing transactions for clients in the Energy & Power sectors. Mr. Kiley holds a B.S. with Honors in Geology from Washington & Lee University, a M.S. in Geology from the University of Montana, a Juris Doctorate from Indiana University School of Law, and a M.B.A. from the Kelley School of Business at Indiana University. Mr. Kiley has been admitted to the New York State Bar. He serves on the finance committee of Rossman School and the Magic House.

Item 8(a)(2). OTHER ACCOUNTS MANAGED BY THE PORTFOLIO MANAGERS

Other Accounts Managed by Portfolio Manager(s) or Management team member as of November 30, 2018

| (i) Name of Portfolio Manager | (ii) Number of Other Accounts | | (iii) Number of Other Accounts and | | |
|-------------------------------|-------------------------------|--------------|------------------------------------|------------|------------|
| | Managed | | Assets for Which Advisory Fee | | |
| | and Assets by Account | | is Performance-Based | | |
| | Type | | | | |
| | Other | Other Pooled | Other | Other | Other |
| | Registered | Investment | Accounts | Registered | Pooled |
| | Investment | Vehicles | | Investment | Investment |

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| | Companies | | | Companies Vehicles | | | |
|-----------------------|------------------|------|----------------|--------------------|------|------|------|
| James J. Cunnane, Jr. | 5 | 0 | 337 | 0 | 0 | 0 | 0 |
| | \$ 1,912,201,005 | \$ 0 | \$ 964,217,061 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |
| Quinn T. Kiley | 5 | 0 | 337 | 0 | 0 | 0 | 0 |
| | \$ 1,912,201,005 | \$ 0 | \$ 964,217,061 | \$ 0 | \$ 0 | \$ 0 | \$ 0 |

POTENTIAL MATERIAL CONFLICTS OF INTEREST

Actual or apparent conflicts of interest may arise when a portfolio manager has day-to-day management responsibilities with respect to more than one fund or other account. More specifically, portfolio managers who manage multiple funds and/or other accounts may be presented with one or more of the following potential conflicts:

The management of multiple funds and/or other accounts may result in a portfolio manager devoting unequal time and attention to the management of each fund and/or other account. The Sub-Adviser seeks to manage such competing interests for the time and attention of a portfolio manager by having the portfolio manager focus on a particular investment discipline. Most other accounts managed by a portfolio manager are managed using the same investment models that are used in connection with the management of the Fund.

If a portfolio manager identifies a limited investment opportunity which may be suitable for more than one fund or other account, a fund may not be able to take full advantage of that opportunity due to an allocation of filled purchase or sale orders across all eligible funds and other accounts. To deal with these situations, the Sub-Adviser has adopted procedures for allocating portfolio transactions across multiple accounts. With respect to securities transactions for the Fund, the Sub-Adviser determines which broker to use to execute each order, consistent with its duty to seek best execution of the transaction. However, with respect to certain other accounts (such as pooled investment vehicles that are not registered mutual funds, and other accounts managed for organizations and individuals), the Sub-Adviser may be limited by the client with respect to the selection of brokers or may be instructed to direct trades through a particular broker. In these cases, trades for a fund in a particular security may be placed separately from, rather than aggregated with, such other accounts. Having separate transactions with respect to a security may temporarily affect the market price of the security or the execution of the transaction, or both, to the possible detriment of a fund or other account(s) involved.

The Sub-Adviser has adopted certain compliance procedures which are designed to address these types of conflicts. However, there is no guarantee that such procedures will detect each and every situation in which a conflict arises.

Item 8(a)(3). FUND MANAGER COMPENSATION

Compensation Structure. As of the most recently completed fiscal year end, the primary portfolio managers compensation is as follows for **James J. Cunnane, Jr.** and **Quinn T. Kiley**:

Each portfolio manager is paid a competitive salary and an annual bonus from a formula-based incentive pool created for the investment team. In addition to the salary and bonus paid, each portfolio manager is offered a comprehensive and competitive benefits program.

Investment team incentive compensation is tied to net revenue generated by the team's products and not to the performance of the investment strategy employed for the Funds or other clients of the team. Advisory Research performs regular assessments of our compensation plans and employees benefits to ensure we are competitive with the industry.

Item 8(a)(4). OWNERSHIP OF JMF SECURITIES AS OF NOVEMBER 30, 2018:

| Name of Portfolio | None | \$1 - \$10,000 | \$10,001- \$50,000 | \$50,001- \$100,000 | \$100,001- \$500,000 | \$500,001- \$1,000,000 | Over \$1,000,000 |
|-------------------|------|-------------------|-----------------------|------------------------|-------------------------|---------------------------|------------------|
|-------------------|------|-------------------|-----------------------|------------------------|-------------------------|---------------------------|------------------|

Manager

| | | |
|-----------------------|---|---|
| James J. Cunnane, Jr. | x | |
| Quinn T. Kiley | | x |

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

Not applicable.

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

There have been no material changes to the procedures by which shareholders may recommend nominees to the registrant's Board implemented after the registrant last provided disclosure in response to this Item.

ITEM 11. CONTROLS AND PROCEDURES.

- (a) The registrant's principal executive and principal financial officers, or persons performing similar functions, have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940, as amended (the "1940 Act") (17 CFR 270.30a-3(c))) are effective, as of a date within 90 days of the filing date of this report that includes the disclosure required by this paragraph, based on their evaluation of the controls and procedures required by Rule 30a-3(b) under the 1940 Act (17 CFR 270.30a-3(b)) and Rules 13a-15(b) or 15d-15 (b) under the Securities Exchange Act of 1934, as amended (the "Exchange Act") (17 CFR 240.13a-15(b) or 240.15d-15 (b)).
- (b) There were no changes in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act (17 CFR 270.30a-3(d))) that occurred during 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.

ITEM 12. DISCLOSURE OF SECURITIES LENDING ACTIVITIES FOR CLOSED-END MANAGEMENT INVESTMENT COMPANIES.

Not applicable.

ITEM 13. EXHIBITS.

File the exhibits listed below as part of this Form.

(a)(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: Not applicable because the code is posted on registrant's website at www.nuveen.com/CEF/Shareholder/FundGovernance.aspx and there were no amendments during the period covered by this report. (To view the code, click on Code of Conduct.)

(a)(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 1940 Act (17 CFR 270.30a-2(a)) in the exact form set forth below: Ex-99.CERT Attached hereto.

(a)(3) Any written solicitation to purchase securities under Rule 23c-1 under the 1940 Act (17 CFR 270.23c-1) sent or given during the period covered by the report by or on behalf of the registrant to 10 or more persons. Not applicable.

(a)(4) Change in the registrant's independent public accountant. Not applicable.

(b) If the report is filed under Section 13(a) or 15(d) of the Exchange Act, provide the certifications required by Rule 30a-2(b) under the 1940 Act (17 CFR 270.30a-2(b)); Rule 13a-14(b) or Rule 15d-14(b) under the Exchange Act (17 CFR 240.13a-14(b) or 240.15d-14(b)), and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. 1350) as an exhibit. A certification furnished pursuant to this paragraph will not be deemed filed for purposes of Section 18 of the Exchange Act (15 U.S.C. 78r), or otherwise subject to the liability of that section. Such certification will not be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Exchange Act, except to the extent that the registrant specifically incorporates it by reference. Ex-99.906 CERT attached hereto.

SIGNATURES

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) Nuveen Energy MLP Total Return Fund

By (Signature and Title) /s/ Gifford R. Zimmerman
Gifford R. Zimmerman
Vice President and Secretary

Date: February 7, 2019

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

By (Signature and Title) /s/ Cedric H. Antosiewicz
Cedric H. Antosiewicz
Chief Administrative Officer
(principal executive officer)

Date: February 7, 2019

By (Signature and Title) /s/ Stephen D. Foy
Stephen D. Foy
Vice President and Controller
(principal financial officer)

Date: February 7, 2019