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FIRST TRUST ENERGY INFRASTRUCTURE FUND
Form N-CSR
February 03, 2017

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

FORM N-CSR

CERTIFIED SHAREHOLDER REPORT OF REGISTERED MANAGEMENT INVESTMENT
COMPANIES

Investment Company Act file number 811-22528

First Trust Energy Infrastructure Fund

(Exact name of registrant as specified in charter)

120 East Liberty Drive, Suite 400
Wheaton, IL 60187

(Address of principal executive offices) (Zip code)

W. Scott Jardine, Esq.

First Trust Portfolios L.P.
120 East Liberty Drive, Suite 400
Wheaton, IL 60187

(Name and address of agent for service)

registrant's telephone number, including area code: 630-765-8000

Date of fiscal year end: November 30

Date of reporting period: November 30, 2016

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

A registrant is required to disclose the information specified by Form N-CSR, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-CSR unless the Form displays a currently valid Office of Management and Budget ("OMB") control number. Please direct comments concerning the accuracy of the information collection burden estimate and any suggestions for reducing the burden to Secretary, Securities and Exchange Commission, 100 F Street, NE, Washington, DC 20549. The OMB has reviewed this collection of information under the clearance requirements of 44 U.S.C. ss. 3507.

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ITEM 1. REPORTS TO STOCKHOLDERS.

The Report to Shareholders is attached herewith.

FIRST TRUST
ENERGY INFRASTRUCTURE FUND (FIF)

ANNUAL REPORT
FOR THE YEAR ENDED
NOVEMBER 30, 2016

ENERGY INCOME PARTNERS, LLC

FIRST TRUST

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ANNUAL REPORT
NOVEMBER 30, 2016

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CAUTION REGARDING FORWARD-LOOKING STATEMENTS

This report contains certain forward-looking statements within the meaning of the Securities Act of 1933, as amended, and the Securities Exchange Act of 1934, as amended. Forward-looking statements include statements regarding the goals, beliefs, plans or current expectations of First Trust Advisors L.P. ("First Trust" or the "Advisor") and/or Energy Income Partners, LLC ("EIP" or the "Sub-Advisor") and their respective representatives, taking into account the information currently available to them. Forward-looking statements include all statements that do not relate solely to current or historical fact. For example, forward-looking statements include the use of words such as "anticipate," "estimate," "intend," "expect," "believe," "plan," "may," "should," "would" or other words that convey uncertainty of future events or outcomes.

Forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of First Trust Energy Infrastructure Fund (the "Fund") to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. When evaluating the information included in this

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report, you are cautioned not to place undue reliance on these forward-looking statements, which reflect the judgment of the Advisor and/or Sub-Advisor and their respective representatives only as of the date hereof. We undertake no obligation to publicly revise or update these forward-looking statements to reflect events and circumstances that arise after the date hereof.

MANAGED DISTRIBUTION POLICY

The Board of Trustees of the Fund has approved a managed distribution policy for the Fund (the "Plan") in reliance on exemptive relief received from the Securities and Exchange Commission that permits the Fund to make periodic distributions of long-term capital gains as frequently as monthly each tax year. Under the Plan, the Fund currently intends to continue to pay a recurring monthly distribution in the amount of \$0.11 per Common Share that reflects the distributable cash flow of the Fund. A portion of this monthly distribution may include realized capital gains. This may result in a reduction of the long-term capital gain distribution necessary at year end by distributing realized capital gains throughout the year. The annual distribution rate is independent of the Fund's performance during any particular period. Accordingly, you should not draw any conclusions about the Fund's investment performance from the amount of any distribution or from the terms of the Plan. The Board of Trustees may amend or terminate the Plan at any time without prior notice to shareholders.

PERFORMANCE AND RISK DISCLOSURE

There is no assurance that the Fund will achieve its investment objective. The Fund is subject to market risk, which is the possibility that the market values of securities owned by the Fund will decline and that the value of the Fund shares may therefore be less than what you paid for them. Accordingly, you can lose money by investing in the Fund. See "Risk Considerations" in the Additional Information section of this report for a discussion of certain other risks of investing in the Fund.

Performance data quoted represents past performance, which is no guarantee of future results, and current performance may be lower or higher than the figures shown. For the most recent month-end performance figures, please visit <http://www.ftportfolios.com> or speak with your financial advisor. Investment returns, net asset value and common share price will fluctuate and Fund shares, when sold, may be worth more or less than their original cost.

The Advisor may also periodically provide additional information on Fund performance on the Fund's webpage at <http://www.ftportfolios.com>.

HOW TO READ THIS REPORT

This report contains information that may help you evaluate your investment in the Fund. It includes details about the Fund and presents data and analysis that provide insight into the Fund's performance and investment approach.

By reading the portfolio commentary by the portfolio management team of the Fund, you may obtain an understanding of how the market environment affected the Fund's performance. The statistical information that follows may help you understand the Fund's performance compared to that of relevant market benchmarks.

It is important to keep in mind that the opinions expressed by personnel of EIP are just that: informed opinions. They should not be considered to be promises or advice. The opinions, like the statistics, cover the period through the date on the cover of this report. The material risks of investing in the Fund are spelled out in the prospectus, the statement of additional information, this report and other Fund regulatory filings.

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SHAREHOLDER LETTER

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
ANNUAL LETTER FROM THE CHAIRMAN AND CEO
NOVEMBER 30, 2016

Dear Shareholders:

Thank you for your investment in First Trust Energy Infrastructure Fund.

First Trust Advisors L.P. ("First Trust") is pleased to provide you with the annual report which contains detailed information about your investment for the 12 months ended November 30, 2016, including a market overview and a performance analysis for the period. We encourage you to read this report and discuss it with your financial advisor.

Early in 2016, many investors were concerned that the volatility witnessed in the stock market in 2015 would continue, and it did. During the first six months of the year, one of the events that affected the global markets was the "Brexit" vote (where citizens in the UK voted to leave the European Union). Just a few days after the historic vote, the global equity markets rebounded to close June 30, 2016 at a combined market capitalization of \$62 trillion. As of November 30, 2016, the S&P 500(R) Index was up 8.49% calendar year-to-date, according to Bloomberg. From November 30, 2015 through November 30, 2016, the S&P 500(R) Index was also in positive territory at 8.06%. The last few months had investors keenly watching the presidential election in anticipation of the outcome of the vote and its effect on the stock market and economy.

On November 8, Donald J. Trump was elected to become the 45th president in our country's history. While no one has a crystal ball and the ability to predict how his presidency will shape the United States (and the world), there is no doubt that Trump's populist message resonated for many Americans. Trump's message of improving lives for the "average" American, while reducing the size and scope of the federal government, also likely won him millions of votes. Many of Trump's supporters believe that with his background in business, he will make policy changes that will help grow the economy and continue to spur stock markets. As with all change and a new administration, only time will tell.

The current bull market (measuring from March 9, 2009 through November 30, 2016) is the second longest in history. First Trust believes that having a long-term investment horizon and investing in quality products can help you reach your goals, regardless of ups and downs in the market. We strive to provide quality investment products, which has been one of the hallmarks of our firm since its inception more than 25 years ago.

Thank you for giving First Trust the opportunity to be a part of your investment plan. We value our relationship with you and will continue to focus on helping investors like you reach your financial goals.

Sincerely,

/s/ James A. Bowen

James A. Bowen
Chairman of the Board of Trustees

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Chief Executive Officer of First Trust Advisors L.P.

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FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 "AT A GLANCE"
 AS OF NOVEMBER 30, 2016 (UNAUDITED)

 FUND STATISTICS

Symbol on New York Stock Exchange	FIF
Common Share Price	\$18.83
Common Share Net Asset Value ("NAV")	\$19.32
Premium (Discount) to NAV	(2.54)%
Net Assets Applicable to Common Shares	\$339,029,316
Current Monthly Distribution per Common Share (1)	\$0.1100
Current Annualized Distribution per Common Share	\$1.3200
Current Distribution Rate on Closing Common Share Price (2)	7.01%
Current Distribution Rate on NAV (2)	6.83%

 COMMON SHARE PRICE & NAV (WEEKLY CLOSING PRICE)

	Common Share Price	NAV
11/15	16.16	18.19
	14.24	16.05
	13.05	15.22
	13.30	15.35
12/15	14.87	16.67
	14.59	16.54
	13.42	15.66
	12.06	14.53
1/16	12.84	15.23
	13.97	16.12
	13.74	16.09
	12.92	14.89
2/16	13.62	15.85
	14.26	16.17
	15.33	16.88
	15.45	17.04
3/16	15.76	17.52
	15.01	17.16
	15.14	17.08
	15.04	17.18
4/16	15.33	17.48
	16.29	18.24
	16.75	18.48
	16.12	18.15
5/16	16.30	18.34
	16.88	18.56
	16.53	18.64
	16.79	19.04
	17.05	19.18
	16.67	19.09

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6/16	16.95	19.21
	17.49	19.75
	17.54	19.69
	17.68	20.07
	18.03	20.20
7/16	17.70	20.05
	17.62	19.73
	17.75	20.06
	17.97	20.06
8/16	17.79	19.64
	17.69	19.70
	17.51	19.58
	17.44	19.46
	18.33	20.18
9/16	19.19	20.09
	18.36	19.42
	18.39	19.60
	19.16	19.81
10/16	18.66	19.61
	17.03	18.54
	17.16	18.49
	17.91	18.86
	18.54	19.37
11/16	18.83	19.32

 PERFORMANCE

	1 Year Ended 11/30/16	5 Years Ended 11/30/16	Av T ----- Ince
FUND PERFORMANCE (3)			
NAV	18.35%	9.05%	
Market Value	29.84%	10.15%	
INDEX PERFORMANCE			
Philadelphia Stock Exchange Utility Index	14.35%	9.02%	
Alerian MLP Total Return Index	9.28%	2.51%	
Blended Index (4)	12.69%	6.28%	

INDUSTRY CLASSIFICATION	% OF TOTAL INVESTMENTS
Pipelines	49.3%
Electric Power	38.5
Natural Gas Utility	3.8
Propane	3.5
Coal	2.3
Gathering & Processing	1.8
Water Utility	0.2
Other	0.6

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Total	100.0%
=====	

TOP 10 HOLDINGS	% OF TOTAL INVESTMENTS

Enbridge Energy Management, LLC	9.8%
TransCanada Corp.	5.5
Enterprise Products Partners, L.P.	4.1
Enbridge Income Fund Holdings, Inc. (CAD)	3.3
Williams (The) Cos., Inc.	3.0
American Electric Power Co., Inc.	3.0
NextEra Energy, Inc.	2.9
Eversource Energy, L.P.	2.8
NextEra Energy Partners, L.P.	2.6
Public Service Enterprise Group, Inc.	2.5

Total	39.5%
=====	

- (1) Most recent distribution paid or declared through 11/30/2016. Subject to change in the future.
- (2) Distribution rates are calculated by annualizing the most recent distribution paid or declared through the report date and then dividing by Common Share Price or NAV, as applicable, as of 11/30/2016. Subject to change in the future.
- (3) Total return is based on the combination of reinvested dividend, capital gain and return of capital distributions, if any, at prices obtained by the Dividend Reinvestment Plan and changes in NAV per share for NAV returns and changes in Common Share Price for market value returns. Total returns do not reflect sales load and are not annualized for periods of less than one year. Past performance is not indicative of future results.
- (4) The blended index consists of the following: Philadelphia Stock Exchange Utility Index (50%) and Alerian MLP Total Return Index (50%).

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 PORTFOLIO COMMENTARY

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 ANNUAL REPORT
 NOVEMBER 30, 2016 (UNAUDITED)

SUB-ADVISOR

ENERGY INCOME PARTNERS, LLC

Energy Income Partners, LLC ("EIP" or the "Sub-Advisor"), located in Westport,

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Connecticut, serves as the investment subadvisor to the First Trust Energy Infrastructure Fund (the "Fund"). EIP was founded in 2003 to provide professional asset management services in the area of energy-related master limited partnerships ("MLPs") and other high payout securities such as pipeline companies, power utilities, yield corporations ("YieldCos"), and energy infrastructure real estate investment trusts ("REITs"). EIP mainly focuses on investments in energy-related infrastructure assets such as pipelines, power transmission and distribution, petroleum storage and terminals that receive fee-based or regulated income from their corporate and individual customers. EIP manages or supervises approximately \$5.4 billion of assets as of November 30, 2016. Private funds advised by EIP include a partnership for U.S. high net worth individuals and an open-end mutual fund. EIP also serves as an advisor to separately managed accounts for individuals and institutions and provides its model portfolio to unified managed accounts. Finally, EIP serves as a sub-advisor to three closed-end management investment companies in addition to the Fund, an actively managed exchange-traded fund ("ETF"), a sleeve of an actively managed ETF and a sleeve of a series of a variable insurance trust. EIP is a registered investment advisor with the Securities and Exchange Commission.

PORTFOLIO MANAGEMENT TEAM

JAMES J. MURCHIE - CO-PORTFOLIO MANAGER, FOUNDER, CHIEF EXECUTIVE OFFICER AND PRINCIPAL OF ENERGY INCOME PARTNERS, LLC

EVA PAO - CO-PORTFOLIO MANAGER, PRINCIPAL OF ENERGY INCOME PARTNERS, LLC

JOHN TYSELAND - CO-PORTFOLIO MANAGER, PRINCIPAL OF ENERGY INCOME PARTNERS, LLC

COMMENTARY

FIRST TRUST ENERGY INFRASTRUCTURE FUND

The investment objective of the Fund is to seek a high level of total return with an emphasis on current distributions paid to shareholders. The Fund pursues its objective by investing primarily in securities of companies engaged in the energy infrastructure sector. These companies principally include publicly-traded MLPs and limited liability companies taxed as partnerships, MLP affiliates, YieldCos, pipeline companies, utilities and other infrastructure-related companies that derive at least 50% of their revenues from operating or providing services in support of infrastructure assets such as pipelines, power transmission and petroleum and natural gas storage in the petroleum, natural gas and power generation industries (collectively, "Energy Infrastructure Companies"). Under normal market conditions, the Fund invests at least 80% of its managed assets (total asset value of the Fund minus the sum of the Fund's liabilities other than the principal amount of borrowing) in securities of Energy Infrastructure Companies. There can be no assurance that the Fund will achieve its investment objective. The Fund may not be appropriate for all investors.

MARKET RECAP

As measured by the Alerian MLP Total Return Index ("AMZX") and the Philadelphia Stock Exchange Utility Index ("UTY"), the total return for the year ended November 30, 2016 was 9.28% and 14.35%, respectively. These figures are according to data collected from several sources, including Alerian Capital Management and Bloomberg. While in the short term, share appreciation of Energy Infrastructure Companies can be volatile, the Sub-Advisor believes that over the longer term, such share appreciation will approximate growth in monthly cash distributions and dividends per share. Over the last 10 years, growth in MLP distributions and utility dividends has averaged 2.2% and 3.4%, respectively. Over the last 12 months, the cash distributions of MLPs represented by the AMZX decreased by about 12.5% and utilities increased by about 3.9%.²

PERFORMANCE ANALYSIS

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On a net asset value ("NAV") basis, the Fund provided a total return³ of 18.35%, including the reinvestment of distributions for the year ended November 30, 2016. This compares, according to collected data, to a 12.69% return for a blended index consisting of the UTY (50%) and the AMZX (50%) (the "Blended Index"). Unlike the Fund, the Blended Index does not incur fees and expenses. On a market value basis, the Fund had a total return, including the reinvestment of

1 YieldCos are publicly-traded entities that own, operate and acquire contracted renewable and conventional generation and thermal and other infrastructure assets, which are generally not MLP-qualifying assets. Like MLPs, YieldCos generally seek to position themselves as vehicles for investors seeking stable and growing dividend income from a diversified portfolio of lower-risk, high-quality assets.

2 Source: Alerian Capital Management, Bloomberg, EIP calculations.

3 Total return is based on the combination of reinvested dividends, capital gains and return of capital distributions, if any, at prices obtained by the Dividend Reinvestment Plan and changes in NAV per Common Share for NAV returns and changes in Common Share price for market value returns. Total returns do not reflect sales load and are not annualized for periods of less than one year. Past performance is not indicative of future results.

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PORTFOLIO COMMENTARY (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
ANNUAL REPORT
NOVEMBER 30, 2016 (UNAUDITED)

distributions, of 29.84% for the same period. As of November 30, 2016, the Fund's market price per share was \$18.83, while the NAV per Common Share was \$19.32, a discount of 2.54%. As of November 30, 2015, the Fund's market price per share was \$16.16, while the NAV per Common Share was \$18.19, a discount of 11.16%.

The Fund maintained its regular monthly Common Share distribution of \$0.11 per share for the year ended November 30, 2016.

For the year ended November 30, 2016, the Fund's NAV outperformed the 12.69% return of the Blended Index by 566 basis points. We believe our adherence to a strategy of owning non-cyclical energy infrastructure companies in North America with high dividend payout ratios across a number of diverse asset classes has helped the Fund outperform the Blended Index. We believe the MLP structure and a high payout ratio is only suitable for a narrow set of long-lived assets that have stable non-cyclical cash flows, such as regulated pipelines or other infrastructure assets that are legal or natural monopolies.

An important factor that affected the return of the Fund was its use of financial leverage through the use of a line of credit. The Fund has a committed facility agreement with The Bank of Nova Scotia, with a maximum commitment amount of \$130,000,000. The Fund uses leverage because the Sub-Advisor believes

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that, over time, leverage can enhance total return for common shareholders. However, the use of leverage can also increase the volatility of the Fund's NAV and therefore volatility of the Fund's Common Share price. For example, if the prices of securities held by the Fund decline, the effect of changes in common share NAV and common shareholder total return loss is magnified by the use of leverage. Conversely, leverage may enhance Common Share returns during periods when the prices of securities held by the Fund generally are rising. Unlike the Fund, AMZX and UTY are not leveraged. Leverage had a positive impact on the performance of the Fund over this reporting period.

MARKET AND FUND OUTLOOK

MLPs continue to play an integral role in the restructuring of more diversified energy conglomerates. This restructuring includes the creation by these more diversified conglomerates of subsidiaries with high dividend payout ratios that own assets with stable cash flows such as pipelines, storage terminals and electric power assets with long-term fixed-price contracts. The restructuring can also include the divestiture by some of the parent companies of most or all of their cyclical businesses, leaving the parent company looking very similar to an old-fashioned pipeline utility with a large holding in a subsidiary MLP. We believe these diversified energy conglomerates are restructuring so that their regulated infrastructure assets that have predictable cash flows may be better valued by the market. In our opinion, the result is a better financing tool to raise capital for the new energy infrastructure projects. This phenomenon is beginning to spread to the power utility industry, but instead of spinning out MLPs, diversified power companies are spinning out regular "C" corporations with higher dividend payout ratios (relative to earnings).

From January 1, 2016 through November 30, 2016, the MLP asset class experienced one IPO that raised \$0.3 billion compared to nine IPOs that raised \$4.9 billion during the same time period in 2015. Reduced activity may be attributed to weak MLP equity markets as many indexes were down sharply during the trailing 24 months. From January 1, 2016 through November 30, 2016, total MLP equity issuance was down 15% to \$15.6 billion compared to \$18.4 billion over the same time period in 2015. Total MLP debt transactions were down 44% to \$20.9 billion from January 1, 2016 through November 30, 2016, which compares to \$37.1 billion over the same time period in 2015, according to Barclays MLP Weekly.

Capital expenditures for the 20 companies that comprise the UTY Index were \$79.8 billion for the first three calendar quarters of 2016. The capital expenditure estimate for 2016 is \$113.5 billion. This compares to \$86.3 billion in 2014 and about \$100.3 billion in 2015. (Source: Bloomberg) The expenditures are in response to needs such as reliability, interconnection, modernization and growing demand. These capital investments are supported, in part, by federal and state regulation, which allows companies to recoup investments they have made in the rates they charge their customers.

The Fund continues to seek to weight the portfolio toward Energy Infrastructure Companies with mostly non-cyclical cash flows, investment-grade ratings, conservative balance sheets, modest and/or flexible organic growth commitments and available liquidity under revolving lines of credit. Since the Fund invests in securities that tend to have high dividend payout ratios (relative to earnings), in EIP's opinion, securities with unpredictable cyclical cash flows make a poor fit within the portfolio. While there are some businesses within the Fund's portfolio whose cash flows are cyclical, they are generally small and analyzed in the context of each company's financial and operating leverage and payout ratio.

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FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 PORTFOLIO OF INVESTMENTS
 NOVEMBER 30, 2016

SHARES	DESCRIPTION	

COMMON STOCKS - 95.7%		
ELECTRIC UTILITIES - 27.5%		
224,000	American Electric Power Co., Inc. (a).....	\$
147,600	Duke Energy Corp. (a).....	
15,000	Edison International.....	
190,600	Emera, Inc. (CAD) (a).....	
244,400	Eversource Energy (a).....	
307,100	Exelon Corp. (a).....	
159,900	Fortis, Inc. (CAD) (a).....	
256,200	Hydro One Ltd. (CAD) (a) (b).....	
62,200	IDACORP, Inc. (a).....	
113,000	NextEra Energy, Inc. (a).....	
138,700	Southern (The) Co. (a).....	
147,900	Xcel Energy, Inc. (a).....	

GAS UTILITIES - 5.7%		
43,800	Atmos Energy Corp. (a).....	
82,610	Chesapeake Utilities Corp. (a).....	
131,000	New Jersey Resources Corp. (a).....	
142,718	UGI Corp.....	

MULTI-UTILITIES - 20.3%		
87,300	Alliant Energy Corp. (a).....	
155,800	ATCO, Ltd., Class I (CAD) (a).....	
204,400	Canadian Utilities Ltd., Class A (CAD) (a).....	
158,300	CMS Energy Corp.....	
144,500	National Grid PLC, ADR (a).....	
173,400	NiSource, Inc. (a).....	
272,900	Public Service Enterprise Group, Inc. (a).....	
138,400	SCANA Corp. (a).....	
82,300	Sempra Energy (a).....	
133,700	WEC Energy Group, Inc. (a).....	

OIL, GAS & CONSUMABLE FUELS - 41.9%		
1,751,179	Enbridge Energy Management, LLC (a) (c).....	
573,300	Enbridge Income Fund Holdings, Inc. (CAD) (a).....	
130,000	Enbridge, Inc.....	
314,700	Inter Pipeline, Ltd. (CAD) (a).....	
166,600	Keyera Corp. (CAD) (a).....	
359,575	Kinder Morgan, Inc. (a).....	

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168,200	ONEOK, Inc.....	1
180,500	Plains GP Holdings L.P.....	
106,100	Targa Resources Corp (a).....	
545,570	TransCanada Corp. (a).....	
436,500	Williams (The) Cos., Inc. (a).....	

WATER UTILITIES - 0.3%		
15,000	American Water Works Co., Inc. (a).....	
TOTAL COMMON STOCKS.....		3
(Cost \$308,225,447)		

See Notes to Financial Statements

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FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 PORTFOLIO OF INVESTMENTS (CONTINUED)
 NOVEMBER 30, 2016

SHARES/ UNITS	DESCRIPTION	

MASTER LIMITED PARTNERSHIPS - 34.8%		
CHEMICALS - 0.1%		
22,000	Westlake Chemical Partners, L.P. (a).....	\$
GAS UTILITIES - 2.7%		
122,152	AmeriGas Partners, L.P. (a).....	
126,900	Suburban Propane Partners, L.P. (a).....	
INDEPENDENT POWER AND RENEWABLE ELECTRICITY PRODUCERS - 3.4%		
445,455	NextEra Energy Partners, L.P. (a) (d).....	
OIL, GAS & CONSUMABLE FUELS - 28.6%		
79,700	Alliance Holdings GP, L.P. (a).....	
339,930	Alliance Resource Partners, L.P. (a).....	
65,700	Buckeye Partners, L.P. (a).....	
262,800	Columbia Pipeline Partners, L.P. (a).....	
26,500	Dominion Midstream Partners, L.P.....	
38,600	Enbridge Energy Partners, L.P. (a).....	
707,700	Enterprise Products Partners, L.P. (a).....	
139,200	EQT Midstream Partners, L.P. (a).....	
214,676	Holly Energy Partners, L.P. (a).....	
113,300	Magellan Midstream Partners, L.P. (a).....	
123,972	NGL Energy Partners, L.P. (a).....	

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111,700	ONEOK Partners, L.P. (a)	1
62,400	Phillips 66 Partners, L.P.	
41,000	Shell Midstream Partners, L.P.	
250,300	Spectra Energy Partners, L.P. (a)	
47,328	Tallgrass Energy Partners, L.P. (a)	
131,495	TC PipeLines, L.P. (a)	
56,002	TransMontaigne Partners, L.P. (a)	

TOTAL MASTER LIMITED PARTNERSHIPS..... 1
 (Cost \$102,541,817)

REAL ESTATE INVESTMENT TRUSTS - 1.2%

EQUITY REAL ESTATE INVESTMENT TRUSTS - 1.2%		
137,550	InfraREIT, Inc. (a)	
49,101	CorEnergy Infrastructure Trust, Inc.	

TOTAL REAL ESTATE INVESTMENT TRUSTS.....
 (Cost \$4,519,858)

TOTAL INVESTMENTS - 131.7%..... 4
 (Cost \$415,287,122) (e)

NUMBER OF CONTRACTS	DESCRIPTION	
CALL OPTIONS WRITTEN - (0.4%)		
	AMERICAN ELECTRIC POWER CO., INC. CALL	
1,600	@ \$62.50 due February 2017	
	CMS ENERGY CORP. CALL	
1,100	@ 45.00 due March 2017	

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See Notes to Financial Statements

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 PORTFOLIO OF INVESTMENTS (CONTINUED)
 NOVEMBER 30, 2016

NUMBER OF CONTRACTS	DESCRIPTION	
CALL OPTIONS WRITTEN (CONTINUED)		
	DUKE ENERGY CORP. CALLS	
300	@ \$77.50 due January 2017	\$
500	@ 85.00 due January 2017	
300	@ 87.50 due January 2017	

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ENBRIDGE, INC. CALLS	
400	@ 45.00 due December 2016.....
800	@ 45.00 due January 2017.....
EVERSOURCE ENERGY CALLS	
200	@ 60.00 due January 2017 (f).....
1,200	@ 65.00 due January 2017 (f).....
400	@ 60.00 due April 2017.....
EXELON CORP. CALLS	
1,500	@ 34.00 due December 2016.....
600	@ 34.00 due January 2017.....
100	@ 35.00 due January 2017.....
100	@ 37.00 due January 2017.....
KINDER MORGAN, INC. CALLS	
1,800	@ 23.00 due December 2016.....
1,200	@ 23.00 due March 2017.....
ONEOK, INC. CALL	
1,600	@ 52.50 due December 2016.....
SCANA CORP. CALL	
1,000	@ 75.00 due February 2017.....
SEMPRA ENERGY CALL	
600	@ 105.00 due December 2016.....
SOUTHERN (THE) CO. CALLS	
500	@ 50.00 due January 2017.....
500	@ 55.00 due January 2017.....
TRANSCANADA CORP. CALLS	
3,500	@ 50.00 due January 2017.....
500	@ 50.00 due May 2017.....
UGI CORP. CALL	

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1,000	@	50.00	due April 2017.....	-----
			WILLIAMS (THE) COS., INC. CALLS	
2,000	@	32.00	due December 2016.....	-----
500	@	32.00	due February 2017.....	-----
			TOTAL CALL OPTIONS WRITTEN.....	-----
			(Premiums received \$1,367,185)	-----

See Notes to Financial Statements

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FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 PORTFOLIO OF INVESTMENTS (CONTINUED)
 NOVEMBER 30, 2016

DESCRIPTION	

OUTSTANDING LOAN - (35.8%).....	\$ (1
NET OTHER ASSETS AND LIABILITIES - 4.5%.....	
NET ASSETS - 100.0%.....	\$ 3
	=====

-
- (a) All or a portion of this security serves as collateral on the outstanding loan.
 - (b) This security is restricted in the U.S. and cannot be offered for public sale without first being registered under the Securities Act of 1933, as amended. This security is not restricted on the foreign exchange where it trades freely without any additional registration. As such, it does not require the additional disclosure required of restricted securities.
 - (c) Non-income producing security that makes payment-in-kind ("PIK") distributions. For the fiscal year ended November 30, 2016, the Fund received 171,334 PIK shares of Enbridge Energy Management, LLC.
 - (d) NextEra Energy Partners, L.P. is taxed as a "C" corporation for federal income tax purposes.
 - (e) Aggregate cost for federal income tax purposes is \$410,279,467. As of November 30, 2016, the aggregate gross unrealized appreciation for all securities in which there was an excess of value over tax cost was \$50,059,756 and the aggregate gross unrealized depreciation for all securities in which there was an excess of tax cost over value was \$13,870,906.

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(f) This security is fair valued by the First Trust Advisors L.P.'s Pricing Committee in accordance with procedures adopted by the Fund's Board of Trustees, and in accordance with the provisions of the Investment Company Act of 1940, as amended. At November 30, 2016, securities noted as such are valued at \$(38,000) or (0.0)% of net assets.

ADR American Depositary Receipt

CAD Canadian Dollar - Security is denominated in Canadian Dollars and is translated into U.S. Dollars based upon the current exchange rate.

INTEREST RATE SWAP AGREEMENTS:

COUNTERPARTY	FLOATING RATE (1)	EXPIRATION DATE	NOTIONAL AMOUNT	FIXED RATE (1)	
Bank of Nova Scotia	1 month LIBOR	10/08/20	\$ 36,475,000	2.121%	\$
Bank of Nova Scotia	1 month LIBOR	09/03/24	36,475,000	2.367%	(
			-----		----
			\$ 72,950,000		\$ (
			=====		=====

(1) The Fund pays the fixed rate and receives the floating rate. The floating rate on November 30, 2016 was 0.535% and 0.530%, respectively.

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See Notes to Financial Statements

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 PORTFOLIO OF INVESTMENTS (CONTINUED)
 NOVEMBER 30, 2016

VALUATION INPUTS

A summary of the inputs used to value the Fund's investments as of November 30, 2016 is as follows (see Note 3A - Portfolio Valuation in the Notes to Financial Statements):

	TOTAL VALUE AT 11/30/2016	LEVEL 1 QUOTED PRICES	LEVEL 2 SIGNIFICANT UNOBSERVABLE INPUTS
Common Stocks*	\$324,373,885	\$324,373,885	\$
Master Limited Partnerships*	118,129,749	118,129,749	
Real Estate Investment Trusts*	3,964,683	3,964,683	
Total Investments	\$446,468,317	\$446,468,317	\$

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LIABILITIES TABLE

	TOTAL VALUE AT 11/30/2016	LEVEL 1 QUOTED PRICES	LEVEL 2 SIGNIFICANT OBSERVABLE INPUTS
Call Options Written.....	\$ (1,485,850)	\$ (1,266,100)	\$ (219,750)
Interest Rate Swaps**.....	(2,150,883)	--	(2,150,883)
Total.....	\$ (3,636,733)	\$ (1,266,100)	\$ (2,370,633)

* See Portfolio of Investments for industry breakout.

** See Interest Rate Swap Agreements for contract detail.

All transfers in and out of the Levels during the period are assumed to be transferred on the last day of the period at their current value. There were no transfers between Levels at November 30, 2016.

See Notes to Financial Statements

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FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
STATEMENT OF ASSETS AND LIABILITIES
NOVEMBER 30, 2016

ASSETS:

Investments, at value (Cost \$415,287,122).....	.....
Cash.....	.....
Cash segregated as collateral for open swap contracts.....	.....
Receivables:	
Investment securities sold.....	.....
Dividends.....	.....
Interest.....	.....
Prepaid expenses.....	.....
 Total Assets.....	.....

LIABILITIES:

Outstanding loan.....	.....
Options written, at value (Premiums received \$1,367,185).....	.....
Swap contracts, at value (\$569).....	.....
Payables:	
Investment securities purchased.....	.....
Investment advisory fees.....	.....
Interest and fees on loan.....
Audit and tax fees.....
Printing fees.....
Custodian fees.....
Administrative fees.....

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Transfer agent fees.....
Legal fees.....
Trustees' fees and expenses.....
Financial reporting fees.....
Other liabilities.....

Total Liabilities.....

NET ASSETS.....

NET ASSETS CONSIST OF:

Paid-in capital.....
Par value.....
Accumulated net investment income (loss).....
Accumulated net realized gain (loss) on investments, written options, swap
contracts and

foreign currency transactions.....
Net unrealized appreciation (depreciation) on investments, written options, swap
contracts and

foreign currency translation.....

NET ASSETS.....

NET ASSET VALUE, per Common Share (par value \$0.01 per Common Share).....

Number of Common Shares outstanding (unlimited number of Common Shares has been authorized).....

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See Notes to Financial Statements

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
STATEMENT OF OPERATIONS
FOR THE YEAR ENDED NOVEMBER 30, 2016

INVESTMENT INCOME:

Dividends (net of foreign withholding tax of \$499,637).....
Interest.....

Total investment income.....

EXPENSES:

Investment advisory fees.....
Interest and fees on loan.....
Administrative fees.....
Printing fees.....
Audit and tax fees.....
Custodian fees.....
Transfer agent fees.....
Trustees' fees and expenses.....

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Legal fees.....	
Financial reporting fees.....	
Other.....	
Total expenses.....	
NET INVESTMENT INCOME (LOSS).....	
NET REALIZED AND UNREALIZED GAIN (LOSS):	
Net realized gain (loss) on:	
Investments.....	
Written options.....	
Swap contracts.....	
Foreign currency transactions.....	
Net realized gain (loss).....	
Net increase from payment by the sub-advisor.....	
Net change in unrealized appreciation (depreciation) on:	
Investments.....	
Written options.....	
Swap contracts.....	
Foreign currency translation.....	
Net change in unrealized appreciation (depreciation).....	
NET REALIZED AND UNREALIZED GAIN (LOSS).....	
NET INCREASE (DECREASE) IN NET ASSETS RESULTING FROM OPERATIONS.....	

See Notes to Financial Statements

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FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
STATEMENTS OF CHANGES IN NET ASSETS

	FOR THE YEAR ENDED 11/30/2
OPERATIONS:	
Net investment income (loss).....	\$ 3,62
Net realized gain (loss).....	(13,61
Net increase from payment by the sub-advisor.....	
Net change in unrealized appreciation (depreciation).....	58,87
Net increase (decrease) in net assets resulting from operations.....	48,88

DISTRIBUTIONS TO SHAREHOLDERS FROM:

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Net investment income.....	(3,98)
Net realized gain.....	(5,32)
Return of capital.....	(19,82)

Total distributions to shareholders.....	(29,13)

Total increase (decrease) in net assets.....	19,74
 NET ASSETS:	
Beginning of period.....	319,28

End of period.....	\$ 339,02
	=====
Accumulated net investment income (loss) at end of period.....	\$ 9,58
	=====
 COMMON SHARES:	
Common Shares at end of period*.....	17,55
	=====

* On September 15, 2016, the Fund commenced a share repurchase program. The program will continue until the earlier of (i) the repurchase of 877,512 common shares or (ii) March 15, 2017. Since September 15, 2016, the Fund has not repurchased any common shares.

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See Notes to Financial Statements

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED NOVEMBER 30, 2016

CASH FLOWS FROM OPERATING ACTIVITIES:

Net increase (decrease) in net assets resulting from operations	\$ 48,880,996
Adjustments to reconcile net increase (decrease) in net assets resulting from operations to net cash provided by operating activities:	
Purchases of investments.....	(279,192,328)
Sales of investments.....	296,340,279
Proceeds from written options.....	7,330,129
Amount paid to close written options.....	(5,060,591)
Return of capital distributions received from investment in MLPs and REITs.....	8,246,351
Net realized gain/loss on investments and written options.....	12,183,514
Net increase from payment by sub-advisor.....	(1,600)
Net change in unrealized appreciation/depreciation on investments and written options.....	(58,085,732)
Net change in unrealized appreciation/depreciation on swap contracts...	(786,229)
Increase in cash segregated as collateral for open swap contracts.....	(310,554)

CHANGES IN ASSETS AND LIABILITIES:

Increase in interest receivable.....	(97)
--------------------------------------	------

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Decrease in dividends receivable.....	79,441
Decrease in prepaid expenses.....	5,261
Increase in interest and fees on loan payable.....	57,295
Increase in investment advisory fees payable.....	4,824
Increase in audit and tax fees payable.....	1,190
Increase in legal fees payable.....	1,063
Increase in printing fees payable.....	9,909
Decrease in administrative fees payable.....	(193)
Increase in custodian fees payable.....	11,472
Increase in transfer agent fees payable.....	2,516
Decrease in Trustees' fees and expenses payable.....	(404)
Increase in other liabilities payable.....	2,800

CASH PROVIDED BY OPERATING ACTIVITIES.....	
CASH FLOWS FROM FINANCING ACTIVITIES:	
Distributions to Common Shareholders from net investment income.....	(3,981,810)
Distributions to Common Shareholders from net realized gain.....	(5,326,861)
Distributions to Common Shareholders from return of capital.....	(19,824,721)
Proceeds from borrowing.....	27,000,000
Repayment of borrowing.....	(16,000,000)

CASH USED IN FINANCING ACTIVITIES.....	
Increase in cash and foreign currency (a).....	
Cash and foreign currency at beginning of period.....	
CASH AND FOREIGN CURRENCY AT END OF PERIOD.....	
SUPPLEMENTAL DISCLOSURE OF CASH FLOW INFORMATION:	
Cash paid during the period for interest and fees.....	

(a) Includes net change in unrealized appreciation (depreciation) on foreign currency of \$4,063.

See Notes to Financial Statements

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FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
FINANCIAL HIGHLIGHTS
FOR A COMMON SHARE OUTSTANDING THROUGHOUT EACH PERIOD

	YEAR ENDED NOVEMBER		
	2016	2015	2014
	-----	-----	-----
Net asset value, beginning of period.....	\$ 18.19	\$ 25.97	\$ 22.30
	-----	-----	-----

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INCOME FROM INVESTMENT OPERATIONS:

Net investment income (loss).....	0.21	0.34	0.22
Net realized and unrealized gain (loss).....	2.58 (a)	(6.80)	6.20
	-----	-----	-----
Total from investment operations.....	2.79	(6.46)	6.42
	-----	-----	-----

Common Shares offering costs charged to paid-in capital.....

--	--	--
-----	-----	-----

DISTRIBUTIONS PAID TO SHAREHOLDERS FROM:

Net investment income.....	(0.23)	(0.36)	(0.45)
Net realized gain.....	(0.30)	(0.96)	(2.21)
Return of capital.....	(1.13)	--	(0.09)
	-----	-----	-----

Total distributions to Common Shareholders.....

(1.66)	(1.32)	(2.75)
-----	-----	-----

Net asset value, end of period.....

\$ 19.32	\$ 18.19	\$ 25.97
=====	=====	=====

Market value, end of period.....

\$ 18.83	\$ 16.16	\$ 23.00
=====	=====	=====

TOTAL RETURN BASED ON NET ASSET VALUE (b).....

18.35%	(25.29)%	31.02%
=====	=====	=====

TOTAL RETURN BASED ON MARKET VALUE (b).....

29.84%	(25.05)%	19.18%
=====	=====	=====

RATIOS TO AVERAGE NET ASSETS/SUPPLEMENTAL DATA:

Net assets, end of period (in 000's).....	\$ 339,029	\$ 319,282	\$ 455,849
Ratio of net expenses to average net assets.....	1.95%	1.83%	1.80%
Ratio of total expenses to average net assets excluding interest expense and fees on loan.....	1.54%	1.49%	1.53%
Ratio of net investment income (loss) to average net assets.....	1.14%	1.47%	0.88%
Portfolio turnover rate.....	72%	42%	42%

INDEBTEDNESS:

Total loan outstanding (in 000's).....	\$ 121,500	\$ 110,500	\$ 158,000
Asset coverage per \$1,000 of indebtedness (c).....	\$ 3,790	\$ 3,889	\$ 3,885

(a) During the years ended November 30, 2016, 2013 and 2012, the Fund received a reimbursement from the sub-advisor in the amount of \$1,600, \$5,421 and \$104, respectively, in connection with trade errors, which represent less than \$0.01 per share. Since the sub-advisor reimbursed the Fund, there was no effect on the total return.

(b) Total return is based on the combination of reinvested dividend, capital gain and return of capital distributions, if any, at prices obtained by the Dividend Reinvestment Plan, and changes in net asset value per share for net asset value returns and changes in Common Share Price for market value returns. Total returns do not reflect sales load and are not annualized for periods of less than one year. Past performance is not indicative of future results.

(c) Calculated by taking the Fund's total assets less the Fund's total liabilities (not including the loan outstanding) and dividing by the outstanding loan balance in 000's.

NOTES TO FINANCIAL STATEMENTS

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
NOVEMBER 30, 2016

1. ORGANIZATION

First Trust Energy Infrastructure Fund (the "Fund") is a non-diversified, closed-end management investment company organized as a Massachusetts business trust on February 22, 2011 and is registered with the Securities and Exchange Commission (the "SEC") under the Investment Company Act of 1940, as amended (the "1940 Act"). The Fund trades under the ticker symbol FIF on the New York Stock Exchange ("NYSE").

The Fund's investment objective is to seek a high level of total return with an emphasis on current distributions paid to shareholders. The Fund seeks to achieve its objective by investing primarily in securities of companies engaged in the energy infrastructure sector. Energy infrastructure companies principally include publicly-traded master limited partnerships and limited liability companies taxed as partnerships ("MLPs"), MLP affiliates, YieldCos, pipeline companies, utilities, and other companies that derive at least 50% of their revenues from operating or providing services in support of infrastructure assets such as pipelines, power transmission and petroleum and natural gas storage in the petroleum, natural gas and power generation industries (collectively, "Energy Infrastructure Companies"). For purposes of the Fund's investment objective, total return includes capital appreciation of, and all distributions received from, securities in which the Fund will invest, taking into account the varying tax characteristics of such securities. There can be no assurance that the Fund will achieve its investment objective. The Fund may not be appropriate for all investors.

2. MANAGED DISTRIBUTION POLICY

The Board of Trustees of the Fund has approved a managed distribution policy for the Fund (the "Plan") in reliance on exemptive relief received from the Securities and Exchange Commission that permits the Fund to make periodic distributions of long-term capital gains as frequently as monthly each tax year. Under the Plan, the Fund currently intends to continue to pay a recurring monthly distribution in the amount of \$0.11 per Common Share that reflects the distributable cash flow of the Fund. A portion of this monthly distribution may include realized capital gains. This may result in a reduction of the long-term capital gain distribution necessary at year end by distributing realized capital gains throughout the year. The annual distribution rate is independent of the Fund's performance during any particular period. Accordingly, you should not draw any conclusions about the Fund's investment performance from the amount of any distribution or from the terms of the Plan. The Board of Trustees may amend or terminate the Plan at any time without prior notice to shareholders.

3. SIGNIFICANT ACCOUNTING POLICIES

The Fund is considered an investment company and follows accounting and reporting guidance under Financial Accounting Standards Board Accounting Standards Codification Topic 946, "Financial Services-Investment Companies." The following is a summary of significant accounting policies consistently followed by the Fund in the preparation of its financial statements. The preparation of financial statements in accordance with accounting principles generally accepted

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in the United States of America ("U.S. GAAP") requires management to make estimates and assumptions that affect the reported amounts and disclosures in the financial statements. Actual results could differ from those estimates.

A. PORTFOLIO VALUATION

The net asset value ("NAV") of the Common Shares of the Fund is determined daily as of the close of regular trading on the NYSE, normally 4:00 p.m. Eastern time, on each day the NYSE is open for trading. If the NYSE closes early on a valuation day, the NAV is determined as of that time. Foreign securities are priced using data reflecting the earlier closing of the principal markets for those securities. The Fund's NAV per Common Share is calculated by dividing the value of all assets of the Fund (including accrued interest and dividends), less all liabilities (including accrued expenses, dividends declared but unpaid and any borrowings of the Fund) by the total number of Common Shares outstanding.

The Fund's investments are valued daily at market value or, in the absence of market value with respect to any portfolio securities, at fair value. Market value prices represent last sale or official closing prices from a national or foreign exchange (i.e., a regulated market) and are primarily obtained from third-party pricing services. Fair value prices represent any prices not considered market value prices and are either obtained from a third-party pricing service or are determined by the Pricing Committee of the Fund's investment advisor, First Trust Advisors L.P. ("First Trust" or the "Advisor"), in accordance with valuation procedures adopted by the Fund's Board of Trustees, and in accordance with provisions of the 1940 Act. Investments valued by the Advisor's Pricing Committee, if any, are footnoted as such in the footnotes to the Portfolio of Investments. The Fund's investments are valued as follows:

Common stocks, MLPs, real estate investment trusts ("REITs"), and other equity securities listed on any national or foreign exchange (excluding The Nasdaq Stock Market LLC ("Nasdaq") and the London Stock Exchange Alternative Investment Market ("AIM")) are valued at the last sale price on the exchange on which they are principally traded, or for Nasdaq and AIM securities, the official closing price. Securities traded on more than one securities exchange are valued at the last sale price or official closing price, as applicable, at the close of the securities exchange representing the principal market for such securities.

Exchange-traded options contracts are valued at the closing price in the market where such contracts are principally traded. If no closing price is available, exchange-traded options contracts are fair valued at the mean of their most recent bid and asked price, if available, and otherwise at their closing bid price. Over-the-counter options contracts are fair valued at the mean of their most recent bid and asked price, if available, and otherwise their closing bid price.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
NOVEMBER 30, 2016

Securities traded in an over-the-counter market are fair valued at the

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mean of their most recent bid and asked price, if available, and otherwise at their closing bid price.

Swaps are fair valued utilizing quotations provided by a third-party pricing service or, if the pricing service does not provide a value, by quotes provided by the selling dealer or financial institution.

Certain securities may not be able to be priced by pre-established pricing methods. Such securities may be valued by the Fund's Board of Trustees or its delegate, the Advisor's Pricing Committee, 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 (the "1933 Act")) for which a third-party pricing service is unable to provide a market price; securities whose trading has been formally suspended; a security whose market or fair value 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 the Fund's NAV or make it difficult or impossible to obtain a reliable market quotation; and a security whose price, as provided by the third-party pricing service, does not reflect the security's fair value. As a general principle, the current fair value of a security would appear to be the amount which the owner might reasonably expect to receive for the security upon its current sale. When fair value prices are used, generally they will differ from market quotations or official closing prices on the applicable exchanges. A variety of factors may be considered in determining the fair value of such securities, including, but not limited to, the following:

- 1) the type of security;
- 2) the size of the holding;
- 3) the initial cost of the security;
- 4) transactions in comparable securities;
- 5) price quotes from dealers and/or third-party pricing services;
- 6) relationships among various securities;
- 7) information obtained by contacting the issuer, analysts, or the appropriate stock exchange;
- 8) an analysis of the issuer's financial statements; and
- 9) the existence of merger proposals or tender offers that might affect the value of the security.

If the securities in question are foreign securities, the following additional information may be considered:

- 1) the value of similar foreign securities traded on other foreign markets;
- 2) ADR trading of similar securities;
- 3) closed-end fund trading of similar securities;
- 4) foreign currency exchange activity;
- 5) the trading prices of financial products that are tied to baskets of foreign securities;

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- 6) factors relating to the event that precipitated the pricing problem;
- 7) whether the event is likely to recur; and
- 8) whether the effects of the event are isolated or whether they affect entire markets, countries or regions.

The Fund is subject to fair value accounting standards that define fair value, establish the framework for measuring fair value and provide a three-level hierarchy for fair valuation based upon the inputs to the valuation as of the measurement date. The three levels of the fair value hierarchy are as follows:

- o Level 1 - Level 1 inputs are quoted prices in active markets for identical investments. An active market is a market in which transactions for the investment occur with sufficient frequency and volume to provide pricing information on an ongoing basis.
- o Level 2 - Level 2 inputs are observable inputs, either directly or indirectly, and include the following:
 - o Quoted prices for similar investments in active markets.
 - o Quoted prices for identical or similar investments in markets that are non-active. A non-active market is a market where there are few transactions for the investment, the prices are not current, or price quotations vary substantially either over time or among market makers, or in which little information is released publicly.
 - o Inputs other than quoted prices that are observable for the investment (for example, interest rates and yield curves observable at commonly quoted intervals, volatilities, prepayment speeds, loss severities, credit risks, and default rates).
 - o Inputs that are derived principally from or corroborated by observable market data by correlation or other means.
- o Level 3 - Level 3 inputs are unobservable inputs. Unobservable inputs may reflect the reporting entity's own assumptions about the assumptions that market participants would use in pricing the investment.

The inputs or methodologies used for valuing investments are not necessarily an indication of the risk associated with investing in those investments. A summary of the inputs used to value the Fund's investments as of November 30, 2016, is included with the Fund's Portfolio of Investments.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
NOVEMBER 30, 2016

B. OPTION CONTRACTS

The Fund is subject to equity price risk in the normal course of pursuing its investment objective and may write (sell) options to hedge against changes in the value of equities. Also, the Fund seeks to generate additional income, in the form of premiums received, from writing (selling) the options. The Fund may write (sell) covered call or put options ("options") on all or a portion of the common stock and MLPs held in the Fund's portfolio as determined to be appropriate by Energy Income Partners, LLC ("EIP" or the "Sub-Advisor"). The number of options the Fund can write (sell) is limited by the amount of common stock and MLPs the Fund holds in its portfolio. The Fund will not write (sell) "naked" or uncovered options. When the Fund writes (sells) an option, an amount equal to the premium received by the Fund is included in "Options written, at value" on the Fund's Statement of Assets and Liabilities. Options are marked-to-market daily and their value will be affected by changes in the value and dividend rates of the underlying equity securities, changes in interest rates, changes in the actual or perceived volatility of the securities markets and the underlying equity securities and the remaining time to the options' expiration. The value of options may also be adversely affected if the market for the options becomes less liquid or trading volume diminishes.

Options the Fund writes (sells) will either be exercised, expire or be cancelled pursuant to a closing transaction. If the price of the underlying equity security exceeds the option's exercise price, it is likely that the option holder will exercise the option. If an option written (sold) by the Fund is exercised, the Fund would be obligated to deliver the underlying equity security to the option holder upon payment of the strike price. In this case, the option premium received by the Fund will be added to the amount realized on the sale of the underlying security for purposes of determining gain or loss and is included in "Net realized gain (loss) on investments" on the Statement of Operations. If the price of the underlying equity security is less than the option's strike price, the option will likely expire without being exercised. The option premium received by the Fund will, in this case, be treated as short-term capital gain on the expiration date of the option. The Fund may also elect to close out its position in an option prior to its expiration by purchasing an option of the same series as the option written (sold) by the Fund. Gain or loss on options is presented separately as "Net realized gain (loss) on written options" on the Statement of Operations.

The options that the Fund writes (sells) give the option holder the right, but not the obligation, to purchase a security from the Fund at the strike price on or prior to the option's expiration date. The ability to successfully implement the writing (selling) of covered call options depends on the ability of the Sub-Advisor to predict pertinent market movements, which cannot be assured. Thus, the use of options may require the Fund to sell portfolio securities at inopportune times or for prices other than current market value, which may limit the amount of appreciation the Fund can realize on an investment, or may cause the Fund to hold a security that it might otherwise sell. As the writer (seller) of a covered option, the Fund foregoes, during the option's life, the opportunity to profit from increases in the market value of the security covering the option above the sum of the premium and the strike price of the option, but has retained the risk of loss should the price of the underlying security decline. The writer (seller) of an option has no control over the time when it may be required to fulfill its obligation as a writer (seller) of the option. Once an option writer (seller) has received an exercise notice, it cannot effect a closing purchase transaction in order to terminate its obligation under the option and must deliver the underlying security to the option holder at the exercise price.

Over-the-counter options have the risk of the potential inability of

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counterparties to meet the terms of their contracts. The Fund's maximum equity price risk for purchased options is limited to the premium initially paid. In addition, certain risks may arise upon entering into option contracts including the risk that an illiquid secondary market will limit the Fund's ability to close out an option contract prior to the expiration date and that a change in the value of the option contract may not correlate exactly with changes in the value of the securities hedged.

C. SWAP AGREEMENTS

The Fund may enter into total return equity swap and interest rate swap agreements. A swap is a financial instrument that typically involves the exchange of cash flows between two parties ("Counterparties") on specified dates (settlement dates) where the cash flows are based on agreed upon prices, rates, etc. Payment received or made by the Fund for interest rate swaps are recorded on the Statement of Operations as "Net realized gain (loss) on swap contracts." When an interest rate swap is terminated, the Fund will record a realized gain or loss equal to the difference between the proceeds from (or cost of) the closing transaction and the Fund's basis in the contract, if any. Generally, the basis of the contracts, if any, is the premium received or paid. Swap agreements are individually negotiated and involve the risk of the potential inability of the Counterparties to meet the terms of the agreement. In connection with these agreements, cash and securities may be identified as collateral in accordance with the terms of the respective swap agreements to provide assets of value and recourse in the event of default under the swap agreement or bankruptcy/insolvency of a party to the swap agreement. In the event of a default by a Counterparty, the Fund will seek withdrawal of the collateral and may incur certain costs exercising its rights with respect to the collateral. If a Counterparty becomes bankrupt or otherwise fails to perform its obligations due to financial difficulties, the Fund may experience significant delays in obtaining any recovery in a bankruptcy or other reorganization proceeding. The Fund may obtain only limited recovery or may obtain no recovery in such circumstances.

Swap agreements may increase or decrease the overall volatility of the investments of the Fund. The performance of swap agreements may be affected by changes in the specific interest rate, security, currency, or other factors that determine the amounts of payments due to and from the Fund. The Fund's maximum equity price risk to meet its future payments under swap agreements outstanding at November 30, 2016 is equal to the total notional amount as shown on the Portfolio of Investments. The notional amount represents the U.S. dollar value of the contract as of the day of the opening transaction or contract reset. When the Fund enters into a swap agreement, any premium paid is included in "Swap contracts, at value" on the Statement of Assets and Liabilities.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
NOVEMBER 30, 2016

The Fund held interest rate swap agreements at November 30, 2016 to hedge against changes in borrowing rates under the Fund's committed facility agreement. An interest rate swap agreement involves the Fund's agreement to

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exchange a stream of interest payments for another party's stream of cash flows. Interest rate swaps do not involve the delivery of securities or other underlying assets or principal. Accordingly, the risk of loss with respect to interest rate swaps is limited to the net amount of interest payments that the Fund is contractually obligated to make. Cash segregated as collateral for open swap contracts in the amount of \$5,664,059 is shown on the Statement of Assets and Liabilities.

D. SECURITIES TRANSACTIONS AND INVESTMENT INCOME

Securities transactions are recorded as of the trade date. Realized gains and losses from securities transactions are recorded on the identified cost basis. Dividend income is recorded on the ex-dividend date. Interest income is recorded daily on the accrual basis. The Fund will rely to some extent on information provided by MLPs, which is not necessarily timely, to estimate taxable income allocable to the MLP units held in the Fund's portfolio.

Distributions received from the Fund's investments in MLPs generally are comprised of return of capital and investment income. The Fund records estimated return of capital and investment income based on historical information available from each MLP. These estimates may subsequently be revised based on information received from the MLPs after their tax reporting periods are concluded. For the year ended November 30, 2016, distributions of \$8,187,381 received from MLPs have been reclassified as return of capital. The cost basis of applicable MLPs has been reduced accordingly.

The Fund holds shares of REITs. Distributions from such investments may be comprised of return of capital, capital gains and income. The actual character of amounts received during the year is not known until after the REIT's fiscal year end. The Fund records the character of distributions received from REITs during the year based on estimates available. The characterization of distributions received by the Fund may be subsequently revised based on information received from the REITs after their tax reporting periods conclude.

E. DIVIDENDS AND DISTRIBUTIONS TO SHAREHOLDERS

The Fund intends to pay holders of its Common Shares a recurring monthly distribution that reflects the distributable cash flow of the Fund. Distributions will automatically be reinvested into additional Common Shares pursuant to the Fund's Dividend Reinvestment Plan unless cash distributions are elected by the shareholder.

Distributions from income and capital gains are determined in accordance with federal income tax regulations, which may differ from U.S. GAAP. Certain capital accounts in the financial statements are periodically adjusted for permanent differences in order to reflect their tax character. These permanent differences are primarily due to the varying treatment of income and gain/loss on portfolio securities held by the Fund and have no impact on net assets or NAV per Common Share. Temporary differences, which arise from recognizing certain items of income, expense and gain/loss in different periods for financial statement and tax purposes, will reverse at some point in the future. Permanent differences incurred during the year ended November 30, 2016, primarily as a result of differing book and tax treatments on the sale of MLP investments, have been reclassified at year end to reflect a decrease in accumulated net investment income (loss) of \$2,630,476, an increase in accumulated net realized gain (loss) on investments of \$2,668,887 and a decrease to paid-in capital of \$38,411. Net assets were not affected by these reclassifications.

The tax character of distributions paid during the fiscal years ended November 30, 2016 and 2015 is as follows:

Distributions paid from:	2016	2015
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Ordinary income.....	\$ 3,981,810	\$ 9,729,196
Capital gain.....	5,326,861	13,437,116
Return of capital.....	19,824,721	--

As of November 30, 2016, the components of distributable earnings and net assets on a tax basis were as follows:

Undistributed ordinary income.....	\$ --	
Undistributed capital gains.....	--	

Total undistributed earnings.....	--	
Accumulated capital and other losses.....	(7,301,850)	
Net unrealized appreciation (depreciation).....	33,903,845	

Total accumulated earnings (losses).....	26,601,995	
Other.....	(53,352)	
Paid-in capital.....	312,480,673	

Net assets.....	\$339,029,316	
	=====	

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
NOVEMBER 30, 2016

F. INCOME TAXES

The Fund intends to continue to qualify as a regulated investment company by complying with the requirements under Subchapter M of the Internal Revenue Code of 1986, as amended, which includes distributing substantially all of its net investment income and net realized gains to shareholders. Accordingly, no provision has been made for federal and state income taxes. However, due to the timing and amount of distributions, the Fund may be subject to an excise tax of 4% of the amount by which approximately 98% of the Fund's taxable income exceeds the distributions from such taxable income for the calendar year.

The Fund intends to utilize provisions of the federal income tax laws, which allow it to carry a realized capital loss forward indefinitely following the year of the loss and offset such loss against any future realized capital gains. The Fund is subject to certain limitations under U.S. tax rules on the use of capital loss carryforwards and net unrealized built-in losses. These limitations apply when there has been a 50% change in ownership. At November 30, 2016, the Fund had capital loss carryforwards for federal income tax purposes of \$7,301,850.

Certain losses realized during the current fiscal year may be deferred and treated as occurring on the first day of the following fiscal year for federal income tax purposes. For the fiscal year ended November 30, 2016, the Fund had no qualified late year losses.

The Fund is subject to accounting standards that establish a minimum threshold

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for recognizing, and a system for measuring, the benefits of a tax position taken or expected to be taken in a tax return. Taxable years ending 2013, 2014, 2015 and 2016 remain open to federal and state audit. As of November 30, 2016, management has evaluated the application of these standards to the Fund and has determined that no provision for income tax is required in the Fund's financial statements for uncertain tax positions.

G. EXPENSES

The Fund will pay all expenses directly related to its operations.

H. FOREIGN CURRENCY

The books and records of the Fund are maintained in U.S. dollars. Foreign currencies, investments and other assets and liabilities are translated into U.S. dollars at the exchange rates prevailing at the end of the period. Purchases and sales of investments and items of income and expense are translated on the respective dates of such transactions. Unrealized gains and losses on assets and liabilities, other than investments in securities, which result from changes in foreign currency exchange rates have been included in "Net change in unrealized appreciation (depreciation) on foreign currency translation" on the Statement of Operations. Unrealized gains and losses on investments in securities which result from changes in foreign exchange rates are included with fluctuations arising from changes in market price and are shown in "Net change in unrealized appreciation (depreciation) on investments" on the Statement of Operations. Net realized foreign currency gains and losses include the effect of changes in exchange rates between trade date and settlement date on investment security transactions, foreign currency transactions and interest and dividends received and are shown in "Net realized gain (loss) on foreign currency transactions" on the Statement of Operations. The portion of foreign currency gains and losses related to fluctuation in exchange rates between the initial purchase settlement date and subsequent sale trade date is included in "Net realized gain (loss) on investments" on the Statement of Operations.

I. OFFSETTING ON THE STATEMENT OF ASSETS AND LIABILITIES

Offsetting assets and liabilities require entities to disclose both gross and net information about instruments and transactions eligible for offset on the Statements of Assets and Liabilities, and disclose instruments and transactions subject to master netting or similar agreements. These disclosure requirements are intended to help investors and other financial statement users better assess the effect or potential effect of offsetting arrangements on a fund's financial position. The transactions subject to offsetting disclosures are derivative instruments, repurchase agreements and reverse repurchase agreements, and securities borrowing and securities lending transactions.

For financial reporting purposes, the Fund does not offset financial assets and financial liabilities that are subject to master netting arrangements ("MNAs") or similar agreements on the Statement of Assets and Liabilities. MNAs provide the right, in the event of default (including bankruptcy and insolvency), for the non-defaulting counterparty to liquidate the collateral and calculate the net exposure to the defaulting party or request additional collateral.

At November 30, 2016, derivative assets and liabilities (by type) on a gross basis are as follows:

GROSS AMOUNTS OF
IN THE
NET AMOUNTS OF
ASSETS

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	GROSS AMOUNTS OF RECOGNIZED LIABILITIES	GROSS AMOUNTS OFFSET IN THE STATEMENT OF ASSETS AND LIABILITIES	LIABILITIES PRESENTED IN THE STATEMENT OF ASSETS AND LIABILITIES	FINANCIAL INSTRUMENTS
Interest Rate Swap Contracts	\$ (2,150,883)	\$ --	\$ (2,150,883)	\$ --

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
NOVEMBER 30, 2016

J. NEW AND AMENDED FINANCIAL REPORTING RULES AND FORMS

On October 13, 2016 the SEC adopted new rules and forms, and amended existing rules and forms. The new and amended rules and forms are intended to modernize the reporting of information provided by funds and to improve the quality and type of information that funds provide to the SEC and investors. The new and amended rules and forms will be effective for the First Trust funds, including the Fund, for reporting periods beginning on and after June 1, 2018. Management is evaluating the new and amended rules and forms to determine the impact to the Fund.

4. INVESTMENT ADVISORY FEE, AFFILIATED TRANSACTIONS AND OTHER FEE ARRANGEMENTS

First Trust, the investment advisor to the Fund, is a limited partnership with one limited partner, Grace Partners of DuPage L.P., and one general partner, The Charger Corporation. The Charger Corporation is an Illinois corporation controlled by James A. Bowen, Chief Executive Officer of First Trust. First Trust is responsible for the ongoing monitoring of the Fund's investment portfolio, managing the Fund's business affairs and providing certain administrative services necessary for the management of the Fund. For these investment management services, First Trust is entitled to a monthly fee calculated at an annual rate of 1.00% of the Fund's Managed Assets (the average daily total asset value of the Fund minus the sum of the Fund's liabilities other than the principal amount of borrowings). First Trust also provides fund reporting services to the Fund for a flat annual fee in the amount of \$9,250.

EIP serves as the Fund's sub-advisor and manages the Fund's portfolio subject to First Trust's supervision. The Sub-Advisor receives a monthly sub-advisory fee calculated at an annual rate of 0.50% of the Fund's Managed Assets that is paid by First Trust out of its investment advisory fee.

During the year ended November 30, 2016, the Fund received a payment from the Sub-Advisor of \$1,600 in connection with a trade error.

First Trust Capital Partners, LLC, an affiliate of First Trust, owns, through a wholly-owned subsidiary, a 15% ownership interest in each of EIP and EIP Partners, LLC, an affiliate of the EIP.

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BNY Mellon Investment Servicing (US) Inc. ("BNYM IS") serves as the Fund's administrator, fund accountant and transfer agent in accordance with certain fee arrangements. As administrator and fund accountant, BNYM IS is responsible for providing certain administrative and accounting services to the Fund, including maintaining the Fund's books of account, records of the Fund's securities transactions, and certain other books and records. As transfer agent, BNYM IS is responsible for maintaining shareholder records for the Fund. The Bank of New York Mellon ("BNYM") serves as the Fund's custodian in accordance with certain fee arrangements. As custodian, BNYM is responsible for custody of the Fund's assets. BNYM IS and BNYM are subsidiaries of The Bank of New York Mellon Corporation, a financial holding company.

Each Trustee who is not an officer or employee of First Trust, any sub-advisor or any of their affiliates ("Independent Trustees") is paid a fixed annual retainer that is allocated equally among each fund in the First Trust Fund Complex. Prior to January 1, 2016, the fixed annual retainer was allocated pro rata based on each fund's net assets. Each Independent Trustee is also paid an annual per fund fee that varies based on whether the fund is a closed-end or other actively managed fund, or is an index fund.

Additionally, the Lead Independent Trustee and the Chairmen of the Audit Committee, Nominating and Governance Committee and Valuation Committee are paid annual fees to serve in such capacities, with such compensation allocated pro rata among each fund in the First Trust Fund Complex based on net assets. Independent Trustees are reimbursed for travel and out-of-pocket expenses in connection with all meetings. The Lead Independent Trustee and Committee Chairmen rotate every three years. The officers and "Interested" Trustee receive no compensation from the Fund for acting in such capacities.

5. PURCHASES AND SALES OF SECURITIES

Cost of purchases and proceeds from sales of investments, excluding short-term investments, for the year ended November 30, 2016, were \$291,796,579 and \$301,599,948, respectively.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF) NOVEMBER 30, 2016

6. DERIVATIVE TRANSACTIONS

Written option activity for the Fund was as follows:

WRITTEN OPTIONS	NUMBER OF CONTRACTS	PREMIUMS
Options outstanding at November 30, 2015.....	25,130	\$ 1,352,376
Options Written.....	135,240	7,330,129
Options Expired.....	(71,730)	(3,621,493)
Options Exercised.....	(42,451)	(2,358,943)
Options Closed.....	(22,389)	(1,334,884)

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Options outstanding at November 30, 2016.....	23,800	\$ 1,367,185
	=====	=====

The following table presents the types of derivatives held by the Fund at November 30, 2016, the primary underlying risk exposure and the location of these instruments as presented on the Statement of Assets and Liabilities.

DERIVATIVE INSTRUMENTS	RISK EXPOSURE	ASSET DERIVATIVES		LIABILITIES
		STATEMENT OF ASSETS AND LIABILITIES LOCATION	VALUE	STATEMENT OF ASSETS AND LIABILITIES LOCATION
Written Options	Equity Risk	--	--	Options written,
Interest Rate Swap Agreement	Interest Rate Risk	--	--	Swap contracts,

The following table presents the amount of net realized gain (loss) and change in net unrealized appreciation (depreciation) recognized for the year ended November 30, 2016, on derivative instruments, as well as the primary underlying risk exposure associated with each instrument.

STATEMENT OF OPERATIONS LOCATION

EQUITY RISK EXPOSURE

Net realized gain (loss) on written options	\$ (104,215)
Net change in unrealized appreciation (depreciation) on written options	(765,736)

INTEREST RATE RISK EXPOSURE

Net realized gain (loss) on swap contracts	(1,339,446)
Net change in unrealized appreciation (depreciation) on swap contracts	786,229

The average volume of interest rate swaps was \$72,950,000 for the year ended November 30, 2016.

The Fund does not have the right to offset financial assets and financial liabilities related to option contracts on the Statement of Assets and Liabilities.

7. BORROWINGS

The Fund has a committed facility agreement with The Bank of Nova Scotia ("Scotia"). Effective March 1, 2016, the committed facility agreement was amended. The maximum commitment amount was reduced to \$130,000,000 from \$200,000,000. In addition, the borrowing rate was increased to the 1-month LIBOR plus 85 basis points from the 1-month LIBOR plus 70 basis points. Under the facility, the Fund pays a commitment fee of 0.15% when the undrawn amount of such facility is greater than 50% of the maximum commitment. The average amount outstanding under the facility for the fiscal year ended November 30, 2016 was \$109,808,743, with a weighted average interest rate of 1.29%. As of November 30, 2016, the Fund had outstanding borrowings of \$121,500,000 under this committed facility agreement. The high and low annual interest rates for the fiscal year ended November 30, 2016, were 1.47% and 0.94%, respectively. The interest rate at November 30, 2016 was 1.47%.

8. INDEMNIFICATION

The Fund has a variety of indemnification obligations under contracts with its service providers. The Fund's maximum exposure under these arrangements is unknown. However, the Fund has not had prior claims or losses pursuant to these contracts and expects the risk of loss to be remote.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
NOVEMBER 30, 2016

9. INDUSTRY CONCENTRATION RISK

The Fund invests at least 80% of its Managed Assets in securities issued by Energy Infrastructure Companies. Given this industry concentration, the Fund is more susceptible to adverse economic or regulatory occurrences affecting that industry than an investment company that is not concentrated in a single industry. Energy Infrastructure Company issuers may be subject to a variety of factors that may adversely affect their business or operations, including high interest costs in connection with capital construction programs, high leverage costs associated with environmental and other regulations, the effects of economic slowdown, surplus capacity, increased competition from other providers of services, uncertainties concerning the availability of fuel at reasonable prices, the effects of energy conservation policies and other factors.

10. NON-FUNDAMENTAL CHANGE IN INVESTMENT STRATEGY

On February 1, 2016, the Board of Trustees for the Fund approved the following non-fundamental change to the Fund's investment strategy:

The Fund's covered call limit was increased from 30% to 35%. Accordingly, effective on or about April 11, 2016, the Fund may write (or sell) covered call options on up to 35% of its Managed Assets.

The Fund's investment objective did not change.

11. SUBSEQUENT EVENTS

Management has evaluated the impact of all subsequent events to the Fund through the date the financial statements were issued and has determined that there was the following subsequent event:

On December 20, 2016, the Fund declared a distribution of \$0.11 per share to Common Shareholders of record on January 5, 2017, payable January 17, 2017.

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

TO THE BOARD OF TRUSTEES AND SHAREHOLDERS OF FIRST TRUST ENERGY INFRASTRUCTURE FUND:

We have audited the accompanying statement of assets and liabilities of First Trust Energy Infrastructure Fund (the "Fund"), including the portfolio of investments, as of November 30, 2016, and the related statements of operations and cash flows for the year then ended, the statements of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. The Fund is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of November 30, 2016 by correspondence with the Fund's custodian and brokers; where replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of First Trust Energy Infrastructure Fund, as of November 30, 2016, the results of its operations and its cash flows for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America.

/s/ Deloitte & Touche LLP

Chicago, Illinois
January 24, 2017

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ADDITIONAL INFORMATION

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)

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NOVEMBER 30, 2016 (UNAUDITED)

DIVIDEND REINVESTMENT PLAN

If your Common Shares are registered directly with the Fund or if you hold your Common Shares with a brokerage firm that participates in the Fund's Dividend Reinvestment Plan (the "Plan"), unless you elect, by written notice to the Fund, to receive cash distributions, all dividends, including any capital gain distributions, on your Common Shares will be automatically reinvested by BNY Mellon Investment Servicing (US) Inc. (the "Plan Agent"), in additional Common Shares under the Plan. If you elect to receive cash distributions, you will receive all distributions in cash paid by check mailed directly to you by the Plan Agent, as the dividend paying agent.

If you decide to participate in the Plan, the number of Common Shares you will receive will be determined as follows:

- (1) If Common Shares are trading at or above net asset value ("NAV") at the time of valuation, the Fund will issue new shares at a price equal to the greater of (i) NAV per Common Share on that date or (ii) 95% of the market price on that date.
- (2) If Common Shares are trading below NAV at the time of valuation, the Plan Agent will receive the dividend or distribution in cash and will purchase Common Shares in the open market, on the NYSE or elsewhere, for the participants' accounts. It is possible that the market price for the Common Shares may increase before the Plan Agent has completed its purchases. Therefore, the average purchase price per share paid by the Plan Agent may exceed the market price at the time of valuation, resulting in the purchase of fewer shares than if the dividend or distribution had been paid in Common Shares issued by the Fund. The Plan Agent will use all dividends and distributions received in cash to purchase Common Shares in the open market within 30 days of the valuation date except where temporary curtailment or suspension of purchases is necessary to comply with federal securities laws. Interest will not be paid on any uninvested cash payments.

You may elect to opt-out of or withdraw from the Plan at any time by giving written notice to the Plan Agent, or by telephone at (866) 340-1104, in accordance with such reasonable requirements as the Plan Agent and the Fund may agree upon. If you withdraw or the Plan is terminated, you will receive a certificate for each whole share in your account under the Plan, and you will receive a cash payment for any fraction of a share in your account. If you wish, the Plan Agent will sell your shares and send you the proceeds, minus brokerage commissions.

The Plan Agent maintains all Common Shareholders' accounts in the Plan and gives written confirmation of all transactions in the accounts, including information you may need for tax records. Common Shares in your account will be held by the Plan Agent in non-certificated form. The Plan Agent will forward to each participant any proxy solicitation material and will vote any shares so held only in accordance with proxies returned to the Fund. Any proxy you receive will include all Common Shares you have received under the Plan.

There is no brokerage charge for reinvestment of your dividends or distributions in Common Shares. However, all participants will pay a pro rata share of brokerage commissions incurred by the Plan Agent when it makes open market purchases.

Automatically reinvesting dividends and distributions does not mean that you do not have to pay income taxes due upon receiving dividends and distributions.

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Capital gains and income are realized although cash is not received by you. Consult your financial advisor for more information.

If you hold your Common Shares with a brokerage firm that does not participate in the Plan, you will not be able to participate in the Plan and any dividend reinvestment may be effected on different terms than those described above.

The Fund reserves the right to amend or terminate the Plan if in the judgment of the Board of Trustees the change is warranted. There is no direct service charge to participants in the Plan; however, the Fund reserves the right to amend the Plan to include a service charge payable by the participants. Additional information about the Plan may be obtained by writing BNY Mellon Investment Servicing (US) Inc., 301 Bellevue Parkway, Wilmington, Delaware 19809.

PROXY VOTING POLICIES AND PROCEDURES

A description of the policies and procedures that the Fund uses to determine how to vote proxies and information on how the Fund voted proxies relating to portfolio investments during the most recent 12-month period ended June 30 is available (1) without charge, upon request, by calling (800) 988-5891; (2) on the Fund's website located at <http://www.ftportfolios.com>; and (3) on the Securities and Exchange Commission's ("SEC") website located at <http://www.sec.gov>.

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ADDITIONAL INFORMATION (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF) NOVEMBER 30, 2016 (UNAUDITED)

PORTFOLIO HOLDINGS

The Fund files its complete schedule of portfolio holdings with the SEC for the first and third quarters of each fiscal year on Form N-Q. The Fund's Form N-Qs are available (1) by calling (800) 988-5891; (2) on the Fund's website located at <http://www.ftportfolios.com>; (3) on the SEC's website at <http://www.sec.gov>; and (4) for review and copying at the SEC's Public Reference Room ("PRR") in Washington, DC. Information regarding the operation of the PRR may be obtained by calling (800) SEC-0330.

TAX INFORMATION

Of the ordinary income (including short-term capital gain) distributions made by the Fund during the fiscal year ended November 30, 2016, 69.75% qualified for the corporate dividends received deduction available to corporate shareholders.

The Fund hereby designates as qualified dividend income 100.00% of the ordinary income distributions for the year ended November 30, 2016.

For the fiscal year ended November 30, 2016, the amount of long-term capital gain distributions by the Fund was \$5,326,861 which is taxable at the maximum rate of 20% for federal income tax purposes.

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NYSE CERTIFICATION INFORMATION

In accordance with Section 303A-12 of the New York Stock Exchange ("NYSE") Listed Company Manual, the Fund's President has certified to the NYSE that, as of April 26, 2016, he was not aware of any violation by the Fund of NYSE corporate governance listing standards. In addition, the Fund's reports to the SEC on Forms N-CSR, N-CSRS and N-Q contain certifications by the Fund's principal executive officer and principal financial officer that relate to the Fund's public disclosure in such reports and are required by Rule 30a-2 under the 1940 Act.

SUBMISSION OF MATTERS TO A VOTE OF SHAREHOLDERS

The Joint Annual Meeting of Shareholders of the Common Shares of Macquarie/First Trust Global Infrastructure/Utilities Dividend & Income Fund, First Trust Energy Income and Growth Fund, First Trust Enhanced Equity Income Fund, First Trust/Aberdeen Global Opportunity Income Fund, First Trust Mortgage Income Fund, First Trust Strategic High Income Fund II, First Trust/Aberdeen Emerging Opportunity Fund, First Trust Specialty Finance and Financial Opportunities Fund, First Trust High Income Long/Short Fund, First Trust Energy Infrastructure Fund, First Trust MLP and Energy Income Fund, First Trust New Opportunities MLP & Energy Fund and First Trust Intermediate Duration Preferred & Income Fund was held on April 22, 2016 (the "Annual Meeting"). At the Annual Meeting, James A. Bowen and Niel B. Nielson were elected by the Common Shareholders of the First Trust Energy Infrastructure Fund as a Class III Trustees for a three-year term expiring at the Fund's Annual Meeting of Shareholders in 2019. The number of votes cast for Mr. Bowen was 15,200,150, the number of votes against was 254,313 and the number of broker non-votes was 2,095,773. The number of votes cast for Mr. Nielson was 15,190,444, the number of votes against was 264,019 and the number of broker non-votes was 2,095,773. Richard E. Erickson, Thomas R. Kadlec, and Robert F. Keith are the other current and continuing Trustees.

RISK CONSIDERATIONS

Risks are inherent in all investing. The following summarizes some, but not all, of the risks that should be considered for the Fund. For additional information about the risks associated with investing in the Fund, please see the Fund's prospectus and statement of additional information, as well as other Fund regulatory filings.

CURRENCY RISK: The value of securities denominated or quoted in foreign currencies may be adversely affected by fluctuations in the relative currency exchange rates and by exchange control regulations. The Fund's investment performance may be negatively affected by a devaluation of a currency in which the Fund's investments are denominated or quoted. Further, the Fund's investment performance may be significantly affected, either positively or negatively, by currency exchange rates because the U.S. dollar value of securities denominated or quoted in another currency will increase or decrease in response to changes in the value of such currency in relation to the U.S. dollar. While certain of the Fund's non-U.S. dollar-denominated securities may be hedged into U.S. dollars, hedging may not alleviate all currency risks.

DERIVATIVES RISK: The Fund may enter into total return swaps, credit default swaps or other types of swaps, options, forwards and combinations thereof and related derivatives. These transactions generally provide for the transfer from one counterparty to another of certain risks inherent in the ownership of a financial asset such as a common stock or debt instrument. Such risks include, among other things, the risk of default and insolvency of the obligor of such asset, the risk that the credit of the obligor or the underlying collateral will decline or the risk that the common stock of the underlying issuer will decline in value. The Fund's ability to successfully use hedging and interest rate

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derivative transactions depends on the Sub-Advisor's ability to predict pertinent market movements, which cannot be assured. Thus, the use of derivatives for hedging and interest rate management purposes may result in losses greater than if they had not been used, may require the Fund to sell or

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ADDITIONAL INFORMATION (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
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purchase portfolio securities at inopportune times or for prices other than current market values, may limit the amount of appreciation the Fund can realize on an investment, or may cause the Fund to hold a security that it might otherwise sell. Additionally, amounts paid by the Fund as premiums and cash or other assets held in margin accounts with respect to hedging and strategic transactions are not otherwise available to the Fund for investment purposes. As the writer of a covered call option, the Fund forgoes, during the option's life, the opportunity to profit from increases in the market value of the security covering the call option above the sum of the premium and the strike price of the call, but has retained the risk of loss should the price of the underlying security decline. The writer of an option has no control over the time when it may be required to fulfill its obligation as a writer of the option. Once an option writer has received an exercise notice, it cannot effect a closing purchase transaction in order to terminate its obligation under the option and must deliver the underlying security at the exercise price.

ENERGY INFRASTRUCTURE COMPANIES RISK: The Fund invests in Energy Infrastructure Companies and is subject to certain risks inherent in investing in these types of securities. Energy Infrastructure Companies may be directly affected by energy commodity prices, especially those Energy Infrastructure Companies which own the underlying energy commodity. A decrease in the production or availability of natural gas, natural gas liquids ("NGLs"), crude oil, coal or other energy commodities or a decrease in the volume of such commodities available for transportation, processing, storage or distribution may adversely impact the financial performance of Energy Infrastructure Companies. Energy Infrastructure Companies are subject to significant federal, state and local government regulation in virtually every aspect of their operations, including how facilities are constructed, maintained and operated, environmental and safety controls, and the prices they may charge for products and services. Various governmental authorities have the power to enforce compliance with these regulations and the permits issued under them and violators are subject to administrative, civil and criminal penalties, including civil fines, injunctions or both. Stricter laws, regulations or enforcement policies could be enacted in the future which would likely increase compliance costs and may adversely affect the financial performance of Energy Infrastructure Companies. Natural disasters, such as hurricanes in the Gulf of Mexico, also may impact Energy Infrastructure Companies.

Certain Energy Infrastructure Companies are subject to the imposition of rate caps, increased competition due to deregulation, the difficulty in obtaining an adequate return on invested capital or in financing large construction projects, the limitations on operations and increased costs and delays attributable to environmental considerations, and the capital market's ability to absorb utility

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debt. In addition, taxes, government regulation, international politics, price and supply fluctuations, volatile interest rates and energy conservation may cause difficulties for these companies. Such issuers have been experiencing certain of these problems to varying degrees.

EQUITY SECURITIES RISK: Because the Fund invests in equity securities, the value of the Fund's shares will fluctuate with changes in the value of these equity securities. Equity securities prices fluctuate for several reasons, including changes in investors' perceptions of the financial condition of an issuer or the general condition of the relevant stock market, such as market volatility, or when political or economic events affecting the issuers occur. In addition, common stock prices may be particularly sensitive to rising interest rates, as the cost of the capital rises and borrowing costs increase.

INDUSTRY CONCENTRATION RISK: The Fund invests at least 80% of its Managed Assets in securities issued by Energy Infrastructure Companies. Given this industry concentration, the Fund is more susceptible to adverse economic or regulatory occurrences affecting that industry than an investment company that is not concentrated in a single industry. Energy Infrastructure Company issuers may be subject to a variety of factors that may adversely affect their business or operations, including high interest costs in connection with capital construction programs, high leverage costs associated with environmental and other regulations, the effects of economic slowdown, surplus capacity, increased competition from other providers of services, uncertainties concerning the availability of fuel at reasonable prices, the effects of energy conservation policies and other factors.

INVESTMENT AND MARKET RISK: An investment in the Fund's Common Shares is subject to investment risk, including the possible loss of the entire principal invested. An investment in Common Shares represents an indirect investment in the securities owned by the Fund. The value of these securities, like other market investments, may move up or down, sometimes rapidly and unpredictably. Common Shares at any point in time may be worth less than the original investment, even after taking into account the reinvestment of Fund dividends and distributions. Security prices can fluctuate for several reasons including the general condition of the securities markets, or when political or economic events affecting the issuers occur. When the Advisor or Sub-Advisor determines that it is temporarily unable to follow the Fund's investment strategy or that it is impractical to do so (such as when a market disruption event has occurred and trading in the securities is extremely limited or absent), the Fund may take temporary defensive positions.

LEVERAGE RISK: The use of leverage results in additional risks and can magnify the effect of any losses. The funds borrowed pursuant to a leverage borrowing program constitute a substantial lien and burden by reason of their prior claim against the income of the Fund and against the net assets of the Fund in liquidation. If the Fund is not in compliance with certain credit facility provisions, the Fund may not be permitted to declare dividends or other distributions.

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ADDITIONAL INFORMATION (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)

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MLP RISK: An investment in MLP units involves risks which differ from an investment in common stock of a corporation. Holders of MLP units have limited control and voting rights on matters affecting the partnership. In addition, there are certain tax risks associated with an investment in MLP units and conflicts of interest exist between common unit holders and the general partner, including those arising from incentive distribution payments.

NON-DIVERSIFIED RISK: The Fund is a non-diversified investment company under the 1940 Act and will not be treated as a regulated investment company under the Internal Revenue Code. Accordingly, there are no regulatory requirements under the 1940 Act of the Internal Revenue Code on the minimum number or size of securities held by the Fund.

NON-U.S. RISK: The Fund may invest a portion of its assets in the equity securities of issuers domiciled in jurisdictions other than the U.S. Investments in the securities and instruments of non-U.S. issuers involve certain considerations and risks not ordinarily associated with investments in securities and instruments of U.S. issuers. Non-U.S. companies are not generally subject to uniform accounting, auditing and financial standards and requirements comparable to those applicable to U.S. companies. Non-U.S. securities exchanges, brokers and listed companies may be subject to less government supervision and regulation than exists in the United States. Dividend and interest income may be subject to withholding and other non-U.S. taxes, which may adversely affect the net return on such investments. A related risk is that there may be difficulty in obtaining or enforcing a court judgment abroad.

QUALIFIED DIVIDEND INCOME TAX RISK: There can be no assurance as to what portion of the distributions paid to the Fund's Common Shareholders will consist of tax-advantaged qualified dividend income. Certain distributions designated by the Fund as derived from qualified dividend income will be taxed in the hands of non-corporate Common Shareholders at the rates applicable to long-term capital gains, provided certain holding period and other requirements are satisfied by both the Fund and the Common Shareholders. Additional requirements apply in determining whether distributions by foreign issuers should be regarded as qualified dividend income. Certain investment strategies of the Fund will limit the Fund's ability to meet these requirements and consequently will limit the amount of qualified dividend income received and distributed by the Fund. A change in the favorable provisions of the federal tax laws with respect to qualified dividends may result in a widespread reduction in announced dividends and may adversely impact the valuation of the shares of dividend-paying companies.

RESTRICTED SECURITIES RISK: The Fund may invest in unregistered or otherwise restricted securities. The term "restricted securities" refers to securities that are unregistered or are held by control persons of the issuer and securities that are subject to contractual restrictions on their resale. As a result, restricted securities may be more difficult to value and the Fund may have difficulty disposing of such assets either in a timely manner or for a reasonable price. In order to dispose of an unregistered security, the Fund, where it has contractual rights to do so, may have to cause such security to be registered. A considerable period may elapse between the time the decision is made to sell the security and the time the security is registered so that the Fund could sell it. Contractual restrictions on the resale of securities vary in length and scope and are generally the result of a negotiation between the issuer and acquirer of the securities. The Fund would, in either case, bear market risks during that period.

ADVISORY AND SUB-ADVISORY AGREEMENTS

BOARD CONSIDERATIONS REGARDING APPROVAL OF INVESTMENT MANAGEMENT AGREEMENT AND

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INVESTMENT SUB-ADVISORY AGREEMENT

The Board of Trustees of First Trust Energy Infrastructure Fund (the "Fund"), including the Independent Trustees, unanimously approved the continuation of the Investment Management Agreement (the "Advisory Agreement") between the Fund and First Trust Advisors L.P. (the "Advisor") and the Investment Sub-Advisory Agreement (the "Sub-Advisory Agreement" and together with the Advisory Agreement, the "Agreements") among the Fund, the Advisor and Energy Income Partners, LLC (the "Sub-Advisor") for a one-year period ending June 30, 2017 at a meeting held on June 13, 2016. The Board determined that the continuation of the Agreements is in the best interests of the Fund in light of the extent and quality of the services provided and such other matters as the Board considered to be relevant in the exercise of its reasonable business judgment.

To reach this determination, the Board considered its duties under the Investment Company Act of 1940, as amended (the "1940 Act"), as well as under the general principles of state law in reviewing and approving advisory contracts; the requirements of the 1940 Act in such matters; the fiduciary duty of investment advisors with respect to advisory agreements and compensation; the standards used by courts in determining whether investment company boards have fulfilled their duties; and the factors to be considered by the Board in voting on such agreements. At meetings held on April 22, 2016 and June 13, 2016, the Board, including the Independent Trustees, reviewed materials provided by the Advisor and the Sub-Advisor responding to requests for information from counsel to the Independent Trustees that, among other things, outlined the services provided by the Advisor and the Sub-Advisor to the Fund (including the relevant personnel responsible for these services and their experience); the advisory fee rate payable by the Fund and the sub-advisory fees for the Fund as compared to fees charged to a peer group of funds compiled by Management Practice, Inc. ("MPI"), an independent source (the "MPI Peer Group"), and as compared to fees charged to other clients of the Advisor and the Sub-Advisor; expenses of the Fund as compared to expense ratios of the funds in the MPI Peer Group; performance information for the Fund; the nature of expenses incurred in providing services to the Fund and the potential for economies of scale,

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ADDITIONAL INFORMATION (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
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if any; financial data on the Advisor and the Sub-Advisor; any fall out benefits to the Advisor and its affiliate, First Trust Capital Partners, LLC ("FTCP"), and the Sub-Advisor; and information on the Advisor's and the Sub-Advisor's compliance programs. The Board reviewed initial materials with the Advisor at a special meeting held on April 22, 2016, prior to which the Independent Trustees and their counsel met separately to discuss the information provided by the Advisor and the Sub-Advisor. Following the April meeting, independent legal counsel on behalf of the Independent Trustees requested certain clarifications and supplements to the materials provided, and the information provided in response to those requests was considered at an executive session of the Independent Trustees and independent legal counsel held prior to the June 13, 2016 meeting, as well as at the meeting held that day. The Board applied its business judgment to determine whether the arrangements between the Fund and the

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Advisor and among the Fund, the Advisor and the Sub-Advisor continue to be reasonable business arrangements from the Fund's perspective as well as from the perspective of shareholders. The Board determined that, given the totality of the information provided with respect to the Agreements, the Board had received sufficient information to renew the Agreements. The Board considered that shareholders chose to invest or remain invested in the Fund knowing that the Advisor and the Sub-Advisor manage the Fund.

In reviewing the Agreements, the Board considered the nature, extent and quality of the services provided by the Advisor and the Sub-Advisor under the Agreements. With respect to the Advisory Agreement, the Board considered that the Advisor is responsible for the overall management and administration of the Fund and reviewed all of the services provided by the Advisor to the Fund, including the oversight of the Sub-Advisor, as well as the background and experience of the persons responsible for such services. In reviewing the services provided, the Board noted the compliance program that had been developed by the Advisor and considered that it includes a robust program for monitoring the Advisor's, the Sub-Advisor's and the Fund's compliance with the 1940 Act, as well as the Fund's compliance with its investment objective and policies. In addition, as part of the Board's consideration of the Advisor's services, the Advisor, in its written materials and at the April 22, 2016 meeting, described to the Board the scope of its ongoing investment in additional infrastructure and personnel to maintain and improve the quality of services provided to the Fund and the other funds in the First Trust Fund Complex. With respect to the Sub-Advisory Agreement, the Board reviewed the materials provided by the Sub-Advisor and considered the services that the Sub-Advisor provides to the Fund, including the Sub-Advisor's day-to-day management of the Fund's investments. In considering the Sub-Advisor's management of the Fund, the Board noted the background and experience of the Sub-Advisor's portfolio management team. In light of the information presented and the considerations made, the Board concluded that the nature, extent and quality of the services provided to the Fund by the Advisor and the Sub-Advisor under the Agreements have been and are expected to remain satisfactory and that the Sub-Advisor, under the oversight of the Advisor, has managed the Fund consistent with its investment objective and policies.

The Board considered the advisory and sub-advisory fee rates payable under the Agreements for the services provided. The Board noted that the sub-advisory fee is paid by the Advisor from its advisory fee. The Board received and reviewed information showing the advisory fee rates and expense ratios of the peer funds in the MPI Peer Group, as well as advisory fee rates charged by the Advisor and the Sub-Advisor to other fund and non-fund clients, as applicable. With respect to the MPI Peer Group, the Board discussed with representatives of the Advisor the limitations in creating a relevant peer group for the Fund, including that (i) the Fund is unique in its composition, which makes assembling peers with similar strategies and asset mix difficult; (ii) peer funds may use different amounts and types of leverage with different costs associated with them or may use no leverage; (iii) only two of the peer funds employ an advisor/sub-advisor management structure and only one of those peer funds employs an unaffiliated sub-advisor; and (iv) some of the peer funds are part of a larger fund complex that may allow for additional economies of scale. The Board took these limitations into account in considering the peer data, and noted that the advisory fee rate payable by the Fund, based on average net assets, was above the median of the MPI Peer Group. With respect to fees charged to other clients, the Board considered differences between the Fund and other clients that limited their comparability. In considering the advisory fee rate overall, the Board also considered the Advisor's statement that it seeks to meet investor needs through innovative and value-added investment solutions and the Advisor's description of its long-term commitment to the Fund.

The Board considered performance information for the Fund. The Board noted the process it has established for monitoring the Fund's performance and portfolio

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risk on an ongoing basis, which includes quarterly performance reporting from the Advisor and Sub-Advisor for the Fund. The Board determined that this process continues to be effective for reviewing the Fund's performance. The Board received and reviewed information comparing the Fund's performance for periods ended December 31, 2015 to the performance of the MPI Peer Group and to a blended benchmark index. In reviewing the Fund's performance as compared to the performance of the MPI Peer Group, the Board took into account the limitations described above with respect to creating a relevant peer group for the Fund. Based on the information provided on net asset value performance, the Board noted that the Fund outperformed the MPI Peer Group average for the one- and three-year periods ended December 31, 2015. The Board also noted that the Fund underperformed its blended benchmark index in the one- and three-year periods ended December 31, 2015. In addition, the Board considered information provided by the Advisor on the impact of leverage on the Fund's returns. The Board also received information on the Fund's annual distribution rate as of December 31, 2015 and the Fund's average trading discount during 2015 and comparable information for the peer group.

On the basis of all the information provided on the fees, expenses and performance of the Fund and the ongoing oversight by the Board, the Board concluded that the advisory and sub-advisory fees continue to be reasonable and appropriate in light of the nature, extent and quality of the services provided by the Advisor and the Sub-Advisor to the Fund under the Agreements.

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ADDITIONAL INFORMATION (CONTINUED)

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The Board considered information and discussed with the Advisor whether there were any economies of scale in connection with providing advisory services to the Fund and noted the Advisor's statement that it expects its expenses to increase over the next twelve months as the Advisor continues to make investments in personnel and infrastructure. The Board determined that due to the Fund's closed-end structure, the potential for realization of economies of scale as Fund assets grow was not a material factor to be considered. The Board considered the revenues and allocated costs (including the allocation methodology) of the Advisor in serving as investment advisor to the Fund for the twelve months ended December 31, 2015 and the estimated profitability level for the Fund calculated by the Advisor based on such data, as well as complex-wide and product-line profitability data for the same period. The Board noted the inherent limitations in the profitability analysis, and concluded that, based on the information provided, the Advisor's profitability level for the Fund was not unreasonable. In addition, the Board considered fall-out benefits described by the Advisor that may be realized from its relationship with the Fund. The Board considered the ownership interest of FTCP in the Sub-Advisor and potential fall-out benefits to the Advisor from such ownership interest. The Board noted that in addition to the advisory fees paid by the Fund, the Advisor is compensated for fund reporting services pursuant to a separate Fund Reporting Services Agreement.

The Board considered that the Sub-Advisor's investment services expenses are primarily fixed, and that the Sub-Advisor has made recent investments in

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infrastructure and personnel. The Board considered that the sub advisory fee rate was negotiated at arm's length between the Advisor and the Sub-Advisor. The Board also considered information provided by the Sub-Advisor as to the profitability of the Sub Advisory Agreement to the Sub-Advisor. The Board noted the inherent limitations in the profitability analysis and concluded that the profitability analysis for the Advisor was more relevant. The Board considered fall-out benefits that may be realized by the Sub-Advisor from its relationship with the Fund, including soft-dollar arrangements, and considered a summary of such arrangements. The Board also considered the potential fall-out benefits to the Sub-Advisor from FTCP's ownership interest in the Sub-Advisor.

Based on all of the information considered and the conclusions reached, the Board, including the Independent Trustees, unanimously determined that the terms of the Agreements continue to be fair and reasonable and that the continuation of the Agreements is in the best interests of the Fund. No single factor was determinative in the Board's analysis.

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 BOARD OF TRUSTEES AND OFFICERS

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
 NOVEMBER 30, 2016 (UNAUDITED)

NAME, ADDRESS, DATE OF BIRTH AND POSITION WITH THE FUND	TERM OF OFFICE AND LENGTH OF SERVICE (1)	PRINCIPAL OCCUPATIONS DURING PAST 5 YEARS
----- INDEPENDENT TRUSTEES -----		
Richard E. Erickson, Trustee c/o First Trust Advisors L.P. 120 E. Liberty Drive, Suite 400 Wheaton, IL 60187 D.O.B.: 04/51	o Three-Year Term o Since Fund Inception	Physician; President, Wheaton Orthopedics; Limited Partner, Gundersen Real Estate Limited Partnership; Member, Sportsmed LLC (April 2007 to November 2015)
Thomas R. Kadlec, Trustee c/o First Trust Advisors L.P. 120 E. Liberty Drive, Suite 400 Wheaton, IL 60187 D.O.B.: 11/57	o Three-Year Term o Since Fund Inception	President ADM Investor Services, Inc. (Futures Commission Merchant)
Robert F. Keith, Trustee c/o First Trust Advisors L.P. 120 E. Liberty Drive, Suite 400	o Three-Year Term o Since Fund Inception	President, Hibs Enterprises (Financial and Management Consulting)

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Wheaton, IL 60187
D.O.B.: 11/56

Niel B. Nielson, Trustee c/o First Trust Advisors L.P. 120 E. Liberty Drive, Suite 400 Wheaton, IL 60187 D.O.B.: 03/54	o Three-Year Term o Since Fund Inception	Managing Director and Chief Operating Officer (January 2015 to Present), Pelita Harapan Educational Foundation (Educational Products and Services); President and Chief Executive Officer (June 2012 to September 2014), Servant Interactive LLC (Educational Products and Services); President and Chief Executive Officer (June 2012 to September 2014), Dew Learning LLC (Educational Products and Services); President (June 2002 to June 2012), Covenant College
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INTERESTED TRUSTEE

James A. Bowen(2), Trustee, Chairman of the Board 120 E. Liberty Drive, Wheaton, IL 60187 D.O.B.: 09/55	o Three-Year Term o Since Fund Inception	Chief Executive Officer, First Trust Advisors L.P. and First Trust Portfolios L.P.; Chairman of the Board of Directors, BondWave LLC Suite 400 (Software Development Company) and Stonebridge Advisors LLC (Investment Advisor)
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(1) Currently, Robert F. Keith, as a Class I Trustee, is serving as a trustee until the Fund's 2017 annual meeting of shareholders. Richard E. Erickson and Thomas R. Kadlec, as Class II Trustees, are serving as trustees until the Fund's 2018 annual meeting of shareholders. James A. Bowen and Niel B. Nielson, as Class III Trustees, are serving as trustees until the Fund's 2019 annual meeting of shareholders.

(2) Mr. Bowen is deemed an "interested person" of the Fund due to his position as Chief Executive Officer of First Trust Advisors L.P., investment advisor of the Fund.

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BOARD OF TRUSTEES AND OFFICERS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
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NAME, ADDRESS AND DATE OF BIRTH	POSITION AND OFFICES WITH FUND	TERM OF OFFICE AND LENGTH OF SERVICE	PRI DU
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OFFICERS (3)

James M. Dykas	President and Chief	o Indefinite Term	Managing Director and
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120 E. Liberty Drive, Executive Officer Suite 400 Wheaton, IL 60187 D.O.B.: 01/66	o Since January 2016	(January 2016 to Present) 2011 to January 2016 (April 2007 to January 2011) Advisors L.P. and First Trust Chief Financial Officer (Software Development) 2016 to Present) and (Investment Advisor)
Donald P. Swade 120 E. Liberty Drive, Suite 400 Wheaton, IL 60187 D.O.B.: 08/72	Treasurer, Chief Financial Officer and Chief Accounting Officer o Indefinite Term o Since January 2016	Senior Vice President Vice President (April 2011 to Present), First Trust Trust Advisors L.P. L.P.; Vice President (2007 to 2012), Guggenheim Fund Services, L.P., Claymore Securities, L.P.
W. Scott Jardine 120 E. Liberty Drive, Suite 400 Wheaton, IL 60187 D.O.B.: 05/60	Secretary and Chief Legal Officer o Indefinite Term o Since Fund Inception	General Counsel, First Trust Portfolio Management L.P.; General Counsel, Bond Fund of Stonebridge Advisors L.P.
Daniel J. Lindquist 120 E. Liberty Drive, Suite 400 Wheaton, IL 60187 D.O.B.: 02/70	Vice President o Indefinite Term o Since Fund Inception	Managing Director (January 2011 to Present), Senior Vice President (2007 to 2012), First Trust Asset Management L.P.
Kristi A. Maher 120 E. Liberty Drive, Suite 400 Wheaton, IL 60187 D.O.B.: 12/66	Chief Compliance Officer and Assistant Secretary o Indefinite Term o Since Fund Inception	Deputy General Counsel, First Trust Energy Infrastructure Fund L.P. and First Trust Energy Infrastructure Fund L.P.

(3) Officers of the Fund have an indefinite term. The term "officer" means the president, vice president, secretary, treasurer, controller or any other officer who performs a policy making function.

PRIVACY POLICY

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
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PRIVACY POLICY

First Trust values our relationship with you and considers your privacy an important priority in maintaining that relationship. We are committed to protecting the security and confidentiality of your personal information.

SOURCES OF INFORMATION

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We collect nonpublic personal information about you from the following sources:

- o Information we receive from you and your broker-dealer, investment advisor or financial representative through interviews, applications, agreements or other forms;
- o Information about your transactions with us, our affiliates or others;
- o Information we receive from your inquiries by mail, e-mail or telephone; and
- o Information we collect on our website through the use of "cookies". For example, we may identify the pages on our website that your browser requests or visits.

INFORMATION COLLECTED

The type of data we collect may include your name, address, social security number, age, financial status, assets, income, tax information, retirement and estate plan information, transaction history, account balance, payment history, investment objectives, marital status, family relationships and other personal information.

DISCLOSURE OF INFORMATION

We do not disclose any nonpublic personal information about our customers or former customers to anyone, except as permitted by law. In addition to using this information to verify your identity (as required under law), the permitted uses may also include the disclosure of such information to unaffiliated companies for the following reasons:

- o In order to provide you with products and services and to effect transactions that you request or authorize, we may disclose your personal information as described above to unaffiliated financial service providers and other companies that perform administrative or other services on our behalf, such as transfer agents, custodians and trustees, or that assist us in the distribution of investor materials such as trustees, banks, financial representatives, proxy services, solicitors and printers.
- o We may release information we have about you if you direct us to do so, if we are compelled by law to do so, or in other legally limited circumstances (for example to protect your account from fraud).

In addition, in order to alert you to our other financial products and services, we may share your personal information within First Trust.

PRIVACY ONLINE

We allow third-party companies, including AddThis (a social media sharing service), to collect certain anonymous information when you visit our website. These companies may use non-personally identifiable information during your visits to this and other websites in order to provide advertisements about goods and services likely to be of greater interest to you. These companies typically use a cookie, third party web beacon or pixel tags, to collect this information. To learn more about this behavioral advertising practice, you can visit www.networkadvertising.org.

CONFIDENTIALITY AND SECURITY

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With regard to our internal security procedures, First Trust restricts access to your nonpublic personal information to those First Trust employees who need to know that information to provide products or services to you. We maintain physical, electronic and procedural safeguards to protect your nonpublic personal information.

POLICY UPDATES AND INQUIRIES

As required by federal law, we will notify you of our privacy policy annually. We reserve the right to modify this policy at any time, however, if we do change it, we will tell you promptly. For questions about our policy, or for additional copies of this notice, please go to www.ftportfolios.com, or contact us at 1-800-621-1675 (First Trust Portfolios) or 1-800-222-6822 (First Trust Advisors).

March 2016

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FIRST TRUST

INVESTMENT ADVISOR

First Trust Advisors L.P.
120 E. Liberty Drive, Suite 400
Wheaton, IL 60187

INVESTMENT SUB-ADVISOR

Energy Income Partners, LLC
10 Wright Street
Westport, CT 06880

ADMINISTRATOR, FUND ACCOUNTANT & TRANSFER AGENT

BNY Mellon Investment Servicing (US) Inc.
301 Bellevue Parkway
Wilmington, DE 19809

CUSTODIAN

The Bank of New York Mellon
101 Barclay Street, 20th Floor
New York, NY 10286

INDEPENDENT REGISTERED

PUBLIC ACCOUNTING FIRM

Deloitte & Touche LLP
111 S. Wacker Drive
Chicago, IL 60606

LEGAL COUNSEL

Chapman and Cutler LLP
111 W. Monroe Street
Chicago, IL 60603

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ITEM 2. CODE OF ETHICS.

- (a) The registrant, as of the end of the period covered by this report, has adopted a code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party.
- (c) There have been no amendments, during the period covered by this report, to a provision of the code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party, and that relates to any element of the code of ethics description.
- (d) The registrant has not granted any waivers, including an implicit waiver, from a provision of the code of ethics that applies to the registrant's principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions, regardless of whether these individuals are employed by the registrant or a third party, that relates to one or more of the items set forth in paragraph (b) of this item's instructions.

ITEM 3. AUDIT COMMITTEE FINANCIAL EXPERT.

As of the end of the period covered by the report, the Registrant's board of trustees has determined that Thomas R. Kadlec and Robert F. Keith are qualified to serve as audit committee financial experts serving on its audit committee and that each of them is "independent," as defined by Item 3 of Form N-CSR.

ITEM 4. PRINCIPAL ACCOUNTANT FEES AND SERVICES.

(a) Audit Fees (Registrant) -- The aggregate fees billed for each of the last two fiscal years for professional services rendered by the principal accountant for the audit of the Registrant's annual financial statements or services that are normally provided by the accountant in connection with statutory and regulatory filings or engagements for those fiscal years were \$44,000 for the fiscal year ended November 30, 2015 and \$44,000 for the fiscal year ended November 30, 2016.

(b) Audit-Related Fees (Registrant) -- The aggregate fees billed in each of the last two fiscal years for assurance and related services by the principal accountant that are reasonably related to the performance of the audit of the registrant's financial statements and are not reported under paragraph (a) of this Item were \$0 for the fiscal year ended November 30, 2015 and \$92 for the fiscal year ended November 30, 2016.

Audit-Related Fees (Investment Adviser) -- The aggregate fees billed in each of the last two fiscal years for assurance and related services by the principal accountant that are reasonably related to the performance of the audit of the registrant's financial statements and are not reported under paragraph (a) of this Item were \$0 for the fiscal year ended November 30, 2015 and \$0 for

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the fiscal year ended November 30, 2016.

(c) Tax Fees (Registrant) -- The aggregate fees billed in each of the last two fiscal years for professional services rendered by the principal accountant for tax compliance, tax advice, and tax planning to the registrant were \$6,300 for the fiscal year ended November 30, 2015 and \$6,300 for the fiscal year ended November 30, 2016.

Tax Fees (Investment Adviser) -- The aggregate fees billed in each of the last two fiscal years for professional services rendered by the principal accountant for tax compliance, tax advice, and tax planning to the registrant's adviser were \$0 for the fiscal year ended November 30, 2015 and \$0 for the fiscal year ended November 30, 2016.

(d) All Other Fees (Registrant) -- The aggregate fees billed in each of the last two fiscal years for products and services provided by the principal accountant to the registrant, other than the services reported in paragraphs (a) through (c) of this Item were \$3,000 for the fiscal year ended November 30, 2015 and \$0 for the fiscal year ended November 30, 2016.

All Other Fees (Investment Adviser) -- The aggregate fees billed in each of the last two fiscal years for products and services provided by the principal accountant to the registrant's investment adviser, other than the services reported in paragraphs (a) through (c) of this Item were \$0 for the fiscal year ended November 30, 2015 and \$0 for the fiscal year ended November 30, 2016.

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

Pursuant to its charter and its Audit and Non-Audit Services Pre-Approval Policy, the Audit Committee (the "Committee") is responsible for the pre-approval of all audit services and permitted non-audit services (including the fees and terms thereof) to be performed for the Registrant by its independent auditors. The Chairman of the Committee authorized to give such pre-approvals on behalf of the Committee up to \$25,000 and report any such pre-approval to the full Committee.

The Committee is also responsible for the pre-approval of the independent auditor's engagements for non-audit services with the Registrant's adviser (not including a sub-adviser whose role is primarily portfolio management and is sub-contracted or overseen by another investment adviser) and any entity controlling, controlled by or under common control with the investment adviser that provides ongoing services to the Registrant, if the engagement relates directly to the operations and financial reporting of the Registrant, subject to the de minimis exceptions for non-audit services described in Rule 2-01 of Regulation S-X. If the independent auditor has provided non-audit services to the Registrant's adviser (other than any sub-adviser whose role is primarily portfolio management and is sub-contracted with or overseen by another investment adviser) and any entity controlling, controlled by or under common control with the investment adviser that provides ongoing services to the Registrant that were not pre-approved pursuant to the de minimis exception, the Committee will consider whether the provision of such non-audit services is compatible with the auditor's independence.

(e) (2) The percentage of services described in each of paragraphs (b) through (d) for the Registrant and the Registrant's investment adviser of this Item that were approved by the audit committee pursuant to the pre-approval exceptions included in paragraph (c) (7) (i) (c) or paragraph (c) (7) (ii) of Rule 2-01 of Regulation S-X are as follows:

(b) 0%
(c) 0%

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(d) 0%

(f) The percentage of hours expended on the principal accountant's engagement to audit the registrant's financial statements for the most recent fiscal year that were attributed to work performed by persons other than the principal accountant's full-time, permanent employees was less than fifty percent.

(g) The aggregate non-audit fees billed by the registrant's accountant for services rendered to the Registrant, and rendered to the Registrant's investment adviser (not including any sub-adviser whose role is primarily portfolio management and is subcontracted with or overseen by another investment adviser), and any entity controlling, controlled by, or under common control with the adviser that provides ongoing services to the Registrant for the fiscal year ended November 30, 2015 were \$9,300 for the Registrant and \$12,500 for the Registrant's investment adviser, and for the fiscal year ended November 30, 2016 were \$6,300 for the registrant and \$13,000 for the Registrant's investment adviser.

(h) The Registrant's audit committee of its Board of Trustees has determined that the provision of non-audit services that were rendered to the Registrant's investment adviser (not including any sub-adviser whose role is primarily portfolio management and is subcontracted with or overseen by another investment adviser), and any entity controlling, controlled by, or under common control with the investment adviser that provides ongoing services to the Registrant that were not pre-approved pursuant to paragraph (c)(7)(ii) of Rule 2-01 of Regulation S-X is compatible with maintaining the principal accountant's independence.

ITEM 5. AUDIT COMMITTEE OF LISTED REGISTRANTS.

The Registrant has a separately designated audit committee consisting of all the independent trustees of the Registrant. The members of the audit committee are: Thomas R. Kadlec, Niel B. Nielson, Richard E. Erickson and Robert F. Keith.

ITEM 6. INVESTMENTS.

- (a) Schedule of Investments in securities of unaffiliated issuers as of the close of the reporting period is included as part of the report to shareholders filed under Item 1 of this form.
- (b) Not applicable.

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

PROXY VOTING POLICIES AND PROCEDURES

If an adviser exercises voting authority with respect to client securities, Advisers Act Rule 206(4)-6 requires the adviser to adopt and implement written policies and procedures reasonably designed to ensure that client securities are voted in the best interest of the client. This is consistent with legal interpretations which hold that an adviser's fiduciary duty includes handling the voting of proxies on securities held in client accounts over which the adviser exercises investment or voting discretion, in a manner consistent with the best interest of the client.

Absent unusual circumstances, EIP exercises voting authority with respect to securities held in client accounts pursuant to provisions in its advisory agreements. Accordingly, EIP has adopted these policies and procedures with the aim of meeting the following requirements of Rule 206(4)-6:

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- o ensuring that proxies are voted in the best interest of clients;
- o addressing material conflicts that may arise between EIP's interests and those of its clients in the voting of proxies;
- o disclosing to clients how they may obtain information on how EIP voted proxies with respect to the client's securities;
- o describing to clients EIP's proxy voting policies and procedures and, upon request, furnishing a copy of the policies and procedures to the requesting client.

ENGAGEMENT OF INSTITUTIONAL SHAREHOLDER SERVICES INC.

With the aim of ensuring that proxies are voted in the best interest of EIP clients, EIP has engaged Institutional Shareholder Services Inc. ("ISS"), as its independent proxy voting service to provide EIP with proxy voting recommendations, as well as to handle the administrative mechanics of proxy voting. EIP has directed ISS to utilize its Proxy Voting Guidelines in making recommendations to vote, as those guidelines may be amended from time to time.

CONFLICTS OF INTEREST IN PROXY VOTING

There may be instances where EIP's interests conflict, or appear to conflict, with client interests in the voting of proxies. For example, EIP may provide services to, or have an investor who is a senior member of, a company whose management is soliciting proxies. There may be a concern that EIP would vote in favor of management because of its relationship with the company or a senior officer. Or, for example, EIP (or its senior executive officers) may have business or personal relationships with corporate directors or candidates for directorship.

EIP addresses these conflicts or appearances of conflicts by ensuring that proxies are voted in accordance with the recommendations made by ISS, an independent third party proxy voting service. As previously noted, in most cases, proxies will be voted in accordance with ISS's own pre-existing proxy voting guidelines.

DISCLOSURE ON HOW PROXIES WERE VOTED

EIP will disclose to clients in Part 2A of its Form ADV how clients can obtain information on how their proxies were voted, by contacting EIP at its office in Westport, CT. EIP will also disclose in the ADV a summary of these proxy voting policies and procedures and that upon request, clients will be furnished a full copy of these policies and procedures.

It is the responsibility of the CCO to ensure that any requests made by clients for proxy voting information are responded to in a timely fashion and that a record of requests and responses are maintained in EIP's books and records.

PROXY MATERIALS

EIP personnel will instruct custodians to forward to ISS all proxy materials received on securities held in EIP client accounts.

LIMITATIONS

In certain circumstances, where EIP has determined that it is consistent with the client's best interest, EIP will not take steps to ensure that proxies are voted on securities in the client's account. The following are circumstances

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where this may occur:

*Limited Value: Proxies will not be required to be voted on securities in a client's account if the value of the client's economic interest in the securities is indeterminable or insignificant (less than \$1,000). Proxies will also not be required to be voted for any securities that are no longer held by the client's account.

*Securities Lending Program: When securities are out on loan, they are transferred into the borrower's name and are voted by the borrower, in its discretion. In most cases, EIP will not take steps to see that loaned securities are voted. However, where EIP determines that a proxy vote, or other shareholder action, is materially important to the client's account, EIP will make a good faith effort to recall the security for purposes of voting, understanding that in certain cases, the attempt to recall the security may not be effective in time for voting deadlines to be met.

*Unjustifiable Costs: In certain circumstances, after doing a cost-benefit analysis, EIP may choose not to vote where the cost of voting a client's proxy would exceed any anticipated benefits to the client of the proxy proposal.

OVERSIGHT OF POLICY

The Chief Compliance Officer ("CCO") will follow the following procedures with respect to the oversight of each proxy advisory firm retained by the Adviser(s):

- o Periodically, but no less frequently than semi-annually, sample proxy votes to review whether they complied with the Advisers' proxy voting policies and procedures including a review of those items that relate to certain proposals that may require more analysis (e.g. other than voting for directors).
- o Collect information, no less frequently than annually, reasonably sufficient to support the conclusion that the proxy voting service provide has the capacity and competency to adequately analyze proxy issues. In this regard, the CCO shall consider, among other things:
 - o the adequacy and quality of the proxy advisory firm's staffing and personnel;
 - o the robustness of its policies and procedures regarding its ability to (i) ensure that its proxy voting recommendations are based on current and accurate information and (ii) identify and address any conflicts of interest; and
 - o any other considerations that the CCO believes would be appropriate in considering the nature and quality of the services provided by the proxy voting service.

For purposes of these procedures, the CCO may rely upon information posted by a proxy advisory firm on its website, provided that the proxy advisory firm represents that the information is complete and current.

RECORDKEEPING ON PROXIES

It is the responsibility of EIP's CCO to ensure that the following proxy voting records are maintained:

- o a copy of EIP's proxy voting policies and procedures;

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- o a copy of all proxy statements received on securities in client accounts (EIP may rely on ISS or the SEC's EDGAR system to satisfy this requirement);
- o a record of each vote cast on behalf of a client (EIP relies on ISS to satisfy this requirement);
- o a copy of any document prepared by EIP that was material to making a voting decision or that memorializes the basis for that decision;
- o a copy of each written client request for information on how proxies were voted on the client's behalf or for a copy of EIP's proxy voting policies and procedures, and
- o a copy of any written response to any client request for information on how proxies were voted on their behalf or furnishing a copy of EIP's proxy voting policies and procedures.

The CCO will see that these books and records are made and maintained in accordance with the requirements and time periods provided in Rule 204-2 of the Advisers Act. For any registered investment companies advised by EIP, votes made on its behalf will be stored electronically or otherwise recorded so that they are available for preparation of the Form N-PX, Annual Report of Proxy Voting Record of Registered Management Investment Company.

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

(A) (1) IDENTIFICATION OF PORTFOLIO MANAGER(S) OR MANAGEMENT TEAM MEMBERS AND DESCRIPTION OF ROLE OF PORTFOLIO MANAGER(S) OR MANAGEMENT TEAM MEMBERS

Information provided as of February 1, 2017.

James Murchie, Chief Executive Officer and Founder of Energy Income Partners, LLC ("EIP" or "Sub-Advisor"), and Eva Pao, principal of EIP, are co-portfolio managers responsible for the day-to-day management of the registrant's portfolio. Both portfolio managers have served in such capacity for 159 months. John Tysseland is also a co-portfolio manager responsible for the day-to-day management of the registrant's portfolio and has served in such capacity for 7 months.

JAMES J. MURCHIE
Co-Portfolio Manager

James J. Murchie is the Founder, Chief Executive Officer, co-portfolio manager and a Principal of Energy Income Partners. After founding Energy Income Partners in October 2003, Mr. Murchie and the Energy Income Partners investment team joined Pequot Capital Management Inc. ("Pequot Capital") in December 2004. In August 2006, Mr. Murchie and the Energy Income Partners investment team left Pequot Capital and re-established Energy Income Partners. Prior to founding Energy Income Partners, Mr. Murchie was a Portfolio Manager at Lawhill Capital Partners, LLC ("Lawhill Capital"), a long/short equity hedge fund investing in commodities and equities in the energy and basic industry sectors. Before Lawhill Capital, Mr. Murchie was a Managing Director at Tiger Management, LLC, where his primary responsibility was managing a portfolio of investments in commodities and related equities. Mr. Murchie was also a Principal at Sanford C. Bernstein. He began his career at British Petroleum, PLC. Mr. Murchie holds a BA from Rice University and an MA from Harvard University.

EVA PAO
Co-Portfolio Manager

Eva Pao is a Principal of Energy Income Partners and is co-portfolio manager for

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all its funds. She has been with EIP since inception in 2003. From 2005 to mid-2006, Ms. Pao joined Pequot Capital Management during EIP's affiliation with Pequot. Prior to Harvard Business School, Ms. Pao was a Manager at Enron Corp where she managed a portfolio in Canadian oil and gas equities for Enron's internal hedge fund that specialized in energy-related equities and managed a natural gas trading book. Ms. Pao holds degrees from Rice University and Harvard Business School.

JOHN K. TYSSSELAND
Co-Portfolio Manager

John Tysseland is a Senior Research Analyst. From 2005 to 2014, he worked at Citi Research most currently serving as a Managing Director where he covered midstream energy companies and MLPs. From 1998 to 2005, he worked at Raymond James & Associates as a Vice President who covered the oilfield service industry and established the firm's initial coverage of MLPs in 2001. Prior to that, he was an Equity Trader at Momentum Securities from 1997 to 1998 and an Assistant Executive Director at Sumar Enterprises from 1996 to 1997. He graduated from The University of Texas at Austin in 1996 with a BA in economics.

(A) (2) OTHER ACCOUNTS MANAGED BY PORTFOLIO MANAGER AND POTENTIAL CONFLICTS OF INTEREST

OTHER ACCOUNTS MANAGED BY PORTFOLIO MANAGER

Information provided as of November 30, 2016.

Name of Portfolio Manager or Team Member -----	Type of Accounts*	Total # of Accounts Managed** -----	Total Assets -----
1. James Murchie	Registered Investment Companies:	7	\$ 3631.9
	Other Pooled Investment Vehicles:	1	\$ 198.4
	Other Accounts:	698	\$ 1379.2
2. EvaPao	Registered Investment Companies:	7	\$ 3631.9
	Other Pooled Investment Vehicles:	1	\$ 198.4
	Other Accounts:	698	\$ 1379.2
3. John Tysseland	Registered Investment Companies:	7	\$ 3631.9
	Other Pooled Investment Vehicles:	1	\$ 198.4
	Other Accounts:	698	\$ 1379.2

*Examples for Types of Accounts:

Other Registered Investment Companies: Any investment vehicle which is registered with the SEC, such as mutual funds of registered hedge funds.

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Other Pooled Investment Vehicles: Any unregistered account for which investor assets are pooled together, such as an unregistered hedge fund.

Other Accounts: Any accounts managed not covered by the other two categories, such as privately managed accounts.

POTENTIAL CONFLICTS OF INTERESTS

Energy Income Partners, LLC ("EIP" or the "Firm") investment professionals who serve as portfolio managers to separately managed accounts, one of which charges a performance fee, and provides its model portfolio to unified managed accounts. The portfolio managers also serve as portfolio managers to one private investment fund (the "Private Fund"), which charges a performance fee and a registered mutual fund. EIP serves as a sub-advisor to three closed-end management investment companies other than the Fund, an actively managed exchange-traded fund (ETF), a sleeve of an ETF and a sleeve of a series of a variable insurance trust.

EIP has written policies and procedures regarding Order Aggregation and Allocation to ensure that all accounts are treated fairly and equitably and that no account is at a disadvantage. EIP will generally execute client transactions on an aggregated basis when the Firm believes that to do so will allow it to obtain best execution and to negotiate more favorable commission rates or avoid certain transaction costs that might have otherwise been paid had such orders been placed independently. EIP's ability to implement this may be limited by an account's custodian, directed brokerage arrangements or other constraints limiting EIP's use of a common executing broker.

An aggregated order may be allocated on a basis different from that specified herein provided that all clients receive fair and equitable treatment and there is a legitimate reason for the different allocation. Reasons for deviation may include (but are not limited to): a client's investment guidelines and restrictions, available cash, liquidity or legal reasons, and to avoid odd-lots or in cases when a normal allocation would result in a de minimis allocation to one or more clients.

Notwithstanding the above, due to differing tax ramifications and compliance ratios, as well as dissimilar risk constraints and tolerances, accounts with similar investment mandates may trade the same securities at differing points in time. Additionally, for the reasons noted above, certain accounts, including funds in which EIP, its affiliates and/or employees ("EIP Funds") have a financial interest, may trade separately from other accounts and participate in transactions which are deemed to be inappropriate for other accounts with similar investment mandates. Further, during periods in which EIP intends to trade the same securities across multiple accounts, transactions for those accounts that must be traded through specific brokers and/or platforms will often be executed after those for accounts over which EIP exercises full brokerage discretion.

(A) (3) COMPENSATION STRUCTURE OF PORTFOLIO MANAGER(S) OR MANAGEMENT TEAM MEMBERS

Information provided as of November 30, 2016.

The Fund's portfolio managers are compensated by a competitive minimum base salary and share in the profits of EIP in relation to their ownership of EIP. EIP's profits are influenced by the assets under management and the performance of the Funds (i.e. all Funds managed or sub-advised by EIP) as described above. Therefore, their success is based on the growth and success of all EIP managed products, not just the funds that charge an incentive fee.

The compensation of the EIP team members is determined according to

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prevailing rates within the industry for similar positions.

(A) (4) DISCLOSURE OF SECURITIES OWNERSHIP

Information provided as of November 30, 2016.

Name	Dollar Range of Fund Shares Beneficially Owned
-----	-----
James Murchie	\$50,000-100,000
Eva Pao	\$0
John Tysseland	\$50,000-100,000

(B) Not applicable.

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 the shareholders may recommend nominees to the Registrant's board of trustees, where those changes were implemented after the Registrant last provided disclosure in response to the requirements of Item 407(c)(2)(iv) of Regulation S-K (17 CFR 229.407) (as required by Item 22(b)(15) of Schedule 14A (17 CFR 240.14a-101)), or 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 the report that includes the disclosure required by this paragraph, based on their evaluation of these 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 (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 Registrant's second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the Registrant's internal control over financial reporting.

ITEM 12. EXHIBITS.

- (a) (1) Code of ethics, or any amendment thereto, that is the subject of disclosure required by Item 2 is attached hereto.
- (a) (2) Certifications pursuant to Rule 30a-2(a) under the 1940 Act and Section 302 of the Sarbanes-Oxley Act of 2002 are attached hereto.
- (a) (3) Not applicable.
- (b) Certifications pursuant to Rule 30a-2(b) under the 1940 Act and Section 906 of the Sarbanes-Oxley Act of 2002 are attached hereto.

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- (c) Notices to the registrant's common shareholders in accordance with the order under Section 6(c) of the 1940 Act granting an exemption from Section 19(b) of the 1940 Act and Rule 19a-1 under the 1940 Act. (1)
- (1) The Fund received exemptive relief from the Securities and Exchange Commission which permits the Fund to make periodic distributions of long-term capital gains as frequently as monthly each taxable year. The relief is conditioned, in part, on an undertaking by the Fund to make the disclosures to the holders of the Fund's common shares, in addition to the information required by Section 19(a) of the 1940 Act and Rule 19a-1 thereunder. The Fund is likewise obligated to file with the SEC the information contained in any such notice to shareholders. In that regard, attached as an exhibit to this filing is a copy of such notice made during the period.

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) First Trust Energy Infrastructure Fund

By (Signature and Title)* /s/ James M. Dykas

James M. Dykas, President and
Chief Executive Officer
(principal executive officer)

Date: January 24, 2017

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

By (Signature and Title)* /s/ James M. Dykas

James M. Dykas, President and
Chief Executive Officer
(principal executive officer)

Date: January 24, 2017

By (Signature and Title)* /s/ Donald P. Swade

Donald P. Swade, Treasurer,
Chief Financial Officer and
Chief Accounting Officer
(principal financial officer)

Date: January 24, 2017

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