## FIRST TRUST ENERGY INFRASTRUCTURE FUND Form N-O

April 17, 2014

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

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

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: February 28, 2014

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (ss.ss. 239.24 and 274.5 of this chapter), to file reports with the Commission, not later than 60 days after the close of the first and third fiscal guarters, pursuant to rule 30b1-5 under the Investment Company Act of 1940 (17 CFR 270.30b1-5). The Commission may use the information provided on Form N-Q in its regulatory, disclosure review, inspection, and policymaking roles.

A registrant is required to disclose the information specified by Form N-Q, and the Commission will make this information public. A registrant is not required to respond to the collection of information contained in Form N-Q 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 the 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.

ITEM 1. SCHEDULE OF INVESTMENTS. The Schedule(s) of Investments is attached herewith.

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF) PORTFOLIO OF INVESTMENTS FEBRUARY 28, 2014 (UNAUDITED)

SHARES/ UNITS		DESCRIPTION		
COMMON	STOCKS -	98.5%		
	12,000 220,800 224,400 180,800 98,600 248,300 378,600 127,400 636,900	Fortis, Inc. (CAD) (a)  ITC Holdings Corp. (a)  NextEra Energy, Inc. (a)  Northeast Utilities (a)  NRG Yield, Inc., Class A (a)	\$ 15 6 5 10 22 16 2	
	50,800 119,385 375,500 400,479	Laclede Group, Inc. (a)Questar Corp. (a)	109 	
	113,200 149,000 50,000 281,900 177,000 242,800 60,000 29,000 265,100	Canadian Utilities, Ltd., Class A (CAD) (a)	19 12 8 2 2 13	
1	1,510,438 508,600 253,569 467,000 49,300 557,657 616,500 202,100 399,400 299,500	Enbridge Income Fund Holdings, Inc. (CAD) (a)  Enbridge, Inc. (a)  Inter Pipeline, Ltd. (a)  Keyera Corp. (CAD) (a).  Kinder Morgan Management, LLC (a) (b).  Kinder Morgan, Inc. (a).  Pembina Pipeline Corp. (CAD) (a).  Spectra Energy Corp. (a).	40 11 10 12 2 38 19	

290,500	Williams (The) Cos., Inc. (a)
	TOTAL COMMON CTOCKS
	TOTAL COMMON STOCKS (Cost \$364,841,745)
STER LIMITED F	PARTNERSHIPS - 33.6%
	GAS UTILITIES - 2.5%
172,764	4 AmeriGas Partners, L.P. (a)
	See Notes to Quarterly Portfolio of Investments Page 1
	RGY INFRASTRUCTURE FUND (FIF) VESTMENTS (CONTINUED)
BRUARY 28, 201	
SHARES/	
	PERCENTAGE
	DESCRIPTION  PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)
STER LIMITED F	PARTNERSHIPS (CONTINUED)
STER LIMITED F	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
STER LIMITED F	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)
STER LIMITED F	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
STER LIMITED F 60,000	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
STER LIMITED F	GAS UTILITIES (CONTINUED) Suburban Propane Partners, L.P. (a)
5,000	GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000 24,000 47,000 132,715 187,200	GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000	GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000 151,400	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED) Suburban Propane Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000 151,400 130,600	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000 151,400 130,600 102,700	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)  INDEPENDENT POWER PRODUCERS & ENERGY TRADERS - 0.0%  Brookfield Renewable Energy Partners, L.P. (CAD) (a)  OIL, GAS & CONSUMABLE FUELS - 31.1%  Access Midstream Partners, L.P. (a)  Alliance Holdings GP, L.P. (a)  Alliance Resource Partners, L.P. (a)  El Paso Pipeline Partners, L.P. (a)  Energy Transfer Equity, L.P. (a)  Energy Transfer Partners, L.P. (a)  Energy Transfer Partners, L.P. (a)  Energy Transfer Partners, L.P. (a)  Enterprise Products Partners, L.P. (a)  EQT Midstream Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED) Suburban Propane Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876 92,600	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED) Suburban Propane Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876	GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)  INDEPENDENT POWER PRODUCERS & ENERGY TRADERS - 0.0% Brookfield Renewable Energy Partners, L.P. (CAD) (a)  OIL, GAS & CONSUMABLE FUELS - 31.1% Access Midstream Partners, L.P. (a) Alliance Holdings GP, L.P. (a) Alliance Resource Partners, L.P. (a) El Paso Pipeline Partners, L.P. (a) Energy Transfer Equity, L.P. (a) Energy Transfer Partners, L.P. (a) Enterprise Products Partners, L.P. (a) Enterprise Products Partners, L.P. (a) Holly Energy Partners, L.P. (a) Magellan Midstream Partners, L.P. (a) Natural Resource Partners, L.P. (a)
5,000 5,000 24,000 47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876 92,600 120,239	PARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000  24,000  47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876 92,600 120,239 103,472 154,200 8,100	CARTNERSHIPS (CONTINUED)  GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000  24,000  47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876 92,600 120,239 103,472 154,200 8,100 129,886	GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000  24,000  47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876 92,600 120,239 103,472 154,200 8,100 129,886 180,500	GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)
5,000  24,000  47,000 132,715 187,200 160,000 151,400 130,600 102,700 168,876 92,600 120,239 103,472 154,200 8,100 129,886	GAS UTILITIES (CONTINUED)  Suburban Propane Partners, L.P. (a)

50,000	Williams Partners, L.P. (a)	
	TOTAL MASTER LIMITED PARTNERSHIPS(Cost \$100,907,721)	
	TOTAL INVESTMENTS - 132.1%	
NUMBER OF CONTRACTS	DESCRIPTION	
CALL OPTIONS WRI		
CALL OPITONS WEI	CMS Energy Corp. Call	
290	@ \$30.00 due March 2014	
	Dominion Resources, Inc. Calls	
700	•	
170 700	0 70.00 due April 2014	
	Duke Energy Corp. Call	
1,320	0 @ 72.50 due April 2014	

1,320	Duke Energy Corp. Call  @ 72.50 due April 2014	
Page 2	See Notes to Quarterly Portfolio of Investments	
	RGY INFRASTRUCTURE FUND (FIF) VESTMENTS (CONTINUED) 4 (UNAUDITED)	
NUMBER OF CONTRACTS	DESCRIPTION	VA 
		VA 
CONTRACTS CALL OPTIONS WRI		VA 
CONTRACTS	TITEN (CONTINUED)  Enbridge, Inc. Call	VA  \$ 

1,500	Nextera Energy, Inc. Call  @ 95.00 due March 2014	
1,300 150	±	
2,270	Northeast Utilities Call @ 45.00 due April 2014	
800	Plains All Amer Pipeline L.P. Call @ 55.00 due May 2014	_
2,250	Questar Corp. Call @ 25.00 due July 2014	
350	Scana Corp. Call @ 50.00 due May 2014	
2,820	Southern (The) Co. Call @ 44.00 due May 2014	
100 210 2,080	@ 37.00 due March 2014	
1,510	TransCanada Corp. Call @ 47.50 due March 2014	
2,400	UGI Corp. Call @ 45.00 due April 2014	_
1,000	Williams (The) Cos., Inc. Call @ 44.00 due May 2014	

See Notes to Quarterly Portfolio of Investments Page 3

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
PORTFOLIO OF INVESTMENTS (CONTINUED)
FEBRUARY 28, 2014 (UNAUDITED)

CONTRACTS	DESCRIPTION	VA
NUMBER OF		

CALL OPTIONS WRITTEN (CONTINUED)

Wisconsin Energy Corp. Calls @ \$45.00 due April 2014 @ 45.00 due July 2014	\$
TOTAL CALL OPTIONS WRITTEN (Premiums received \$1,241,726)	 (1 
OUTSTANDING LOAN - (36.1%)	(145
NET OTHER ASSETS AND LIABILITIES - 4.5%	18
NET ASSETS - 100.0%	\$ 404

- (a) All or a portion of this security serves as collateral on the outstanding loan.
- (b) Non-income producing security which pays in-kind distributions.
- (c) Aggregate cost for financial reporting purposes, which approximates the aggregate cost for federal income tax purposes. As of February 28, 2014, the aggregate gross unrealized appreciation for all securities in which there was an excess of value over tax cost was \$77,313,513 and the aggregate gross unrealized depreciation for all securities in which there was an excess of tax cost over value was \$9,139,354.
- 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%	\$

- (1) The Fund pays the fixed rate and receives the floating rate. The floating rate on February 28, 2014 was 0.163%.
- Page 4 See Notes to Quarterly Portfolio of Investments

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
PORTFOLIO OF INVESTMENTS (CONTINUED)
FEBRUARY 28, 2014 (UNAUDITED)

#### VALUATION INPUTS

A summary of the inputs used to value the Fund's investments as of February 28, 2014 is as follows (see Note 2A - Portfolio Valuation in the Notes to Quarterly Portfolio of Investments):

	A.S	SSETS TABLE		
INVESTMENTS		TOTAL VALUE AT 2/28/2014	 LEVEL 1 QUOTED PRICES	
Common Stocks*  Master Limited Partnerships *	\$	398,050,825 135,872,800	• •	\$
TOTAL	\$	533,923,625	533,923,625	\$ =========
I	IAE	BILITIES TABLE		LEVEL 2
		TOTAL VALUE AT 2/28/2014	LEVEL 1 QUOTED PRICES	SIGNIFICANT OBSERVABLE INPUTS
Call Options Written	\$	(1,948,285) (346,366)	\$ (1,948,285)	\$ (346,366)

ACCUTC TABLE

- \* 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 February 28, 2014.

TOTAL ..... \$ (2,294,651) \$ (1,948,285) \$

See Notes to Quarterly Portfolio of Investments

Page 5

\_\_\_\_\_\_

\_\_\_\_\_\_

NOTES TO QUARTERLY PORTFOLIO OF INVESTMENTS

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
FEBRUARY 28, 2014 (UNAUDITED)

#### 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 ("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").

(346, 366)

#### 2. VALUATION AND INVESTMENT PRACTICES

#### 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. The 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 in accordance with valuation procedures adopted by the Fund's Board of Trustees, and in accordance with provisions of the 1940 Act. Market quotations and prices used to value the Fund's investments are primarily obtained from third party pricing services. The Fund's investments are valued as follows:

Common stocks, master limited partnerships ("MLPs") and other equity securities listed on any national or foreign exchange (excluding The NASDAQ(R) 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 valued at the mean of the most recent bid and asked prices, if available, and otherwise at their closing bid price. Over-the-counter options contracts are valued at the mean of the most recent bid and asked prices, if available, and otherwise at their closing bid price.

Securities traded in an over-the-counter market are valued at the mean of the most recent bid and asked prices, if available, and otherwise at the closing bid price.

Swaps are 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.

Short-term investments that mature in less than 60 days when purchased are valued at amortized cost.

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 at fair value. These securities generally include, but are not limited to, restricted securities (securities which may not be publicly sold without registration under the Securities Act of 1933, as amended) for which a pricing service is unable to provide a market price; securities whose trading has been formally suspended; a security whose market price is not available from a pre-established pricing source; a security with respect to which an event has occurred that is likely to materially affect the value of the security after the market has closed but before the calculation of a Fund's NAV or make it difficult or impossible to obtain a reliable market quotation; and a security

whose price, as provided by the 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. The use of fair value prices by a Fund generally results in prices used by the Fund that may differ from current market quotations or official closing prices on the applicable exchange. 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 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:

Page 6

NOTES TO QUARTERLY PORTFOLIO OF INVESTMENTS (CONTINUED)

# FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF) FEBRUARY 28, 2014 (UNAUDITED)

- 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;
- 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.
  - 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.
- 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 methodology 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 February 28, 2014, is included with the Fund's Portfolio of Investments.

### 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. 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 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 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. If the price of the underlying 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.

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

Page 7

NOTES TO QUARTERLY PORTFOLIO OF INVESTMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
FEBRUARY 28, 2014 (UNAUDITED)

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 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. 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 the Counterparty, the Fund will seek withdrawal of this collateral and may incur certain costs exercising its right 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 a change 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 February 28, 2014 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.

#### Total Return Equity Swap Agreement

In a typical total return equity swap agreement, one party agrees to pay another party the return on an equity security or basket of equity securities in return for payment of a specified interest rate. By entering into total return equity swaps, the Fund can gain exposure to a security without actually purchasing the underlying asset. Total return equity swap agreements expose the Fund to the same equity price risk as it would have if the underlying equity securities were purchased, as well as the risk that the performance of the security, including any dividends, will not exceed the interest that the Fund will be committed to pay under the swap. The Fund did not hold any total return equity swap agreements during the fiscal year-to-date period (December 1, 2013 through February 28, 2014).

#### Interest Rate Swap Agreement

An interest rate swap agreement involves the Fund's agreement to 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. The average volume of interest rate swaps was \$36,475,000 for the fiscal year-to-date period (December 1, 2013 through February 28, 2014).

#### D. SECURITIES TRANSACTIONS:

Securities transactions are recorded as of the trade date. Realized gains and losses from securities transactions are recorded on the identified cost basis.

### E. 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.

Page 8

NOTES TO QUARTERLY PORTFOLIO OF INVESTMENTS (CONTINUED)

FIRST TRUST ENERGY INFRASTRUCTURE FUND (FIF)
FEBRUARY 28, 2014 (UNAUDITED)

#### 3. OPTION ACTIVITY

Written option activity for the Fund for the fiscal year-to-date period (December 1, 2013 through February 28, 2014) was as follows:

Written Options	Number of Contracts	Premiums
Options outstanding at November 30, 2013 Options Written Options Expired Options Exercised Options Closed	32,393 27,880 (24,311) (3,512) (4,700)	\$ 1,571,359 1,256,810 (950,469) (301,275) (334,699)
Options outstanding at February 28, 2014	27,750	\$ 1,241,726

Page 9

#### ITEM 2. 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 last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the registrant's internal control over financial reporting.

#### ITEM 3. EXHIBITS.

Certifications pursuant to Rule 30a-2(a) under the 1940 Act and Section 302 of the Sarbanes-Oxley Act of 2002 are attached hereto.

#### SIGNATURES

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

(Registrant) First Trust Energy Infrastructure Fund

By (Signature and Title) \*

/s/ Mark R. Bradley

-----

Mark R. Bradley

President and Chief Executive Officer

(principal executive officer)

Date: March 20, 2014

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

By (Signature and Title)\*

/s/ Mark R. Bradley

\_\_\_\_\_

Mark R. Bradley

President and Chief Executive Officer

(principal executive officer)

Date: March 20, 2014

By (Signature and Title) \*

/s/ James M. Dykas

\_\_\_\_\_

James M. Dykas

Treasurer, Chief Financial Officer and

Chief Accounting Officer (principal financial officer)

Date: March 20, 2014

<sup>\*</sup>Print the name and title of each signing officer under his or her signature.