

FIRST TRUST ENERGY INFRASTRUCTURE FUND  
Form N-Q  
April 24, 2019

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: N30-765-8000

Date of fiscal year end: November 30

Date of reporting period: February 28, 2019

Form N-Q is to be used by management investment companies, other than small business investment companies registered on Form N-5 (§§ 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 quarters, 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. § 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, 2019 (Unaudited)

Shares/ Units	Description	Value
COMMON STOCKS (a) – 90.8%		
Electric Utilities – 32.4%		
175,500	Alliant Energy Corp.	\$8,050,185
173,400	American Electric Power Co., Inc. (b)	14,071,410
79,500	Duke Energy Corp. (b)	7,127,970
112,700	Emera, Inc. (CAD)	4,009,737
111,000	Eversource Energy (b)	7,748,910
376,000	Exelon Corp. (b)	18,269,840
174,000	Fortis, Inc. (CAD)	6,274,023
16,500	Hydro One Ltd. (CAD) (c)	258,919
43,900	IDACORP, Inc.	4,320,199
69,500	NextEra Energy, Inc. (b)	13,046,540
193,900	PPL Corp. (b)	6,237,763
150,600	Xcel Energy, Inc. (b)	8,261,916
		97,677,412
Gas Utilities – 4.2%		
34,800	Atmos Energy Corp.	3,439,980
2,510	Chesapeake Utilities Corp.	225,925
73,700	New Jersey Resources Corp.	3,567,080
97,718	UGI Corp.	5,364,718

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		12,597,703
	Multi-Utilities – 14.6%	
116,200	ATCO, Ltd., Class I (CAD)	3,910,862
164,400	Canadian Utilities Ltd., Class A (CAD)	4,371,257
134,100	CMS Energy Corp.	7,295,040
138,200	NiSource, Inc. (b)	3,728,636
298,400	Public Service Enterprise Group, Inc. (b)	17,548,904
30,100	Sempra Energy (b)	3,625,244
44,600	WEC Energy Group, Inc. (b)	3,402,088
		43,882,031
	Oil, Gas & Consumable Fuels – 39.2%	
425,347	Enbridge, Inc.	15,733,586
569,300	Equitrans Midstream Corp.	10,042,452
246,700	Inter Pipeline, Ltd. (CAD)	3,966,847
203,500	Keyera Corp. (CAD)	4,996,455
1,191,575	Kinder Morgan, Inc. (b)	22,830,577
122,953	ONEOK, Inc. (b)	7,900,960
57,200	Targa Resources Corp. (b)	2,301,728
692,170	TransCanada Corp. (b)	30,953,842
726,600	Williams (The) Cos., Inc. (b)	19,392,954
		118,119,401
	Water Utilities – 0.4%	
12,800	American Water Works Co., Inc.	1,300,736
	Total Common Stocks	273,577,283
	(Cost \$255,217,487)	
	MASTER LIMITED PARTNERSHIPS (a) – 40.6%	
	Chemicals – 0.2%	
31,500	Westlake Chemical Partners, L.P.	718,200
	Gas Utilities – 2.3%	

242,852 AmeriGas Partners, L.P. 6,889,711

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See Notes to Portfolio of Investments

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First Trust Energy Infrastructure Fund (FIF)  
 Portfolio of Investments (Continued)  
 February 28, 2019 (Unaudited)

Shares/ Units	Description	Value
MASTER LIMITED PARTNERSHIPS (a) (Continued)		
	Independent Power and Renewable Electricity Producers – 5.0%	
347,055	NextEra Energy Partners, L.P. (d)	\$14,989,306
	Oil, Gas & Consumable Fuels – 33.1%	
195,241	Alliance Resource Partners, L.P.	3,787,676
147,944	BP Midstream Partners, L.P.	2,424,802
801,680	Energy Transfer, L.P.	11,856,847
875,000	Enterprise Products Partners, L.P. (b)	24,193,750
196,276	Holly Energy Partners, L.P.	5,725,371
189,500	Magellan Midstream Partners, L.P.	11,534,865
118,633	MPLX, L.P.	3,933,870
116,600	Phillips 66 Partners, L.P.	5,720,396
644,900	Plains GP Holdings, L.P., Class A (d)	14,955,231
95,200	Shell Midstream Partners, L.P.	1,702,176
140,800	Tallgrass Energy, L.P.	3,186,304
341,013	TC PipeLines, L.P.	10,837,393
		99,858,681
	Total Master Limited Partnerships	122,455,898
	(Cost \$113,408,925)	
REAL ESTATE INVESTMENT TRUSTS (a) – 0.6%		
	Equity Real Estate Investment Trusts – 0.6%	
48,601	CorEnergy Infrastructure Trust, Inc.	1,771,992
	(Cost \$1,336,336)	
	Total Investments – 132.0%	397,805,173
	(Cost \$369,962,748) (e)	

Number of Contracts Description Notional Amount Exercise Price Expiration Date Value

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CALL OPTIONS WRITTEN – (1.3)%

714	<u>American Electric Power Co., Inc.</u>	\$5,794,110	\$77.50	May 2019	(335,580)
1,020	<u>American Electric Power Co., Inc.</u>	8,277,300	80.00	May 2019	(290,700)
750	<u>Duke Energy Corp.</u>	6,724,500	90.00	Apr 2019	(120,000)
2,500	<u>Enterprise Products Partners, L.P.</u>	6,912,500	30.00	Jun 2019	(50,000)
155	<u>Eversource Energy</u>	1,082,055	70.00	Mar 2019	(6,200)
955	<u>Eversource Energy</u>	6,666,855	70.00	Apr 2019	(105,050)
1,200	<u>Exelon Corp.</u>	5,830,800	47.00	Apr 2019	(266,400)
700	<u>Exelon Corp.</u>	3,401,300	48.00	Apr 2019	(102,900)
3,000	<u>Kinder Morgan, Inc.</u>	5,748,000	18.00	Mar 2019	(375,000)
695	<u>NextEra Energy, Inc.</u>	13,046,540	185.00	Mar 2019	(309,275)
1,382	<u>NiSource, Inc.</u>	3,728,636	28.00	Apr 2019	(42,842)
1,075	<u>ONEOK, Inc. (f)</u>				
	9/30/2017				

2,519.44

2,407.70

2,519.36  
10/1/2017

12/31/2017

2,694.97

2,520.40

2,673.61  
1/1/2018

2/6/2018

2,872.87

2,593.07

2,695.14

PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS.

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#### EURO STOXX 50<sup>®</sup> Index (“SX5E”)

The SX5E was created by STOXX Limited, a subsidiary of Deutsche Börse AG. Publication of the SX5E began in February 1998, based on an initial index level of 1,000 at December 31, 1991.

#### Composition and Maintenance

The SX5E is composed of 50 component stocks of market sector leaders from within the 19 EURO STOXX<sup>®</sup> Supersector indices, which represent the Eurozone portion of the STOXX Europe 600<sup>®</sup> Supersector indices. The composition of the SX5E is reviewed annually, based on the closing stock data on the last trading day in August. The component stocks are announced on the first trading day in September. Changes to the component stocks are implemented on the third Friday in September and are effective the following trading day. Changes in the composition of the SX5E are made to ensure that the SX5E includes the 50 market sector leaders from within the SX5E. The free float factors for each component stock used to calculate the SX5E, as described below, are reviewed, calculated, and implemented on a quarterly basis and are fixed until the next quarterly review. The SX5E is also reviewed on an ongoing monthly basis. Corporate actions (including initial public offerings, mergers and takeovers, spin-offs, delistings, and bankruptcy) that affect the SX5E composition are announced immediately, implemented two trading days later and become effective on the next trading day after implementation.

#### Calculation of the SX5E

The SX5E is calculated with the “Laspeyres formula,” which measures the aggregate price changes in the component stocks against a fixed base quantity weight. The formula for calculating the SX5E value can be expressed as follows:

$$\text{SX5E} = \frac{\text{Free float market capitalization of the SX5E}}{\text{Divisor}} \times 1,000$$

The “free float market capitalization of the SX5E” is equal to the sum of the products of the price, the number of shares, the free float factor and the weighting cap factor for each component stock as of the time the SX5E is being calculated.

The SX5E is also subject to a divisor, which is adjusted to maintain the continuity of the SX5E values across changes due to corporate actions, such as the deletion and addition of stocks, the substitution of stocks, stock dividends, and stock splits.

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#### License Agreement

We have entered into a non-exclusive license agreement with STOXX providing for the license to us and certain of our affiliated or subsidiary companies, in exchange for a fee, of the right to use indices owned and published by STOXX (including the SX5E) in connection with certain securities, including the Notes offered hereby.

The license agreement between us and STOXX requires that the following language be stated in this document: STOXX has no relationship to us, other than the licensing of the SX5E and the related trademarks for use in connection with the Notes. STOXX does not:

- sponsor, endorse, sell, or promote the Notes;
- recommend that any person invest in the Notes offered hereby or any other securities;
- have any responsibility or liability for or make any decisions about the timing, amount, or pricing of the Notes;
- have any responsibility or liability for the administration, management, or marketing of the Notes; or
- consider the needs of the Notes or the holders of the Notes in determining, composing, or calculating the SX5E, or have any obligation to do so.

STOXX will not have any liability in connection with the Notes. Specifically:

- STOXX does not make any warranty, express or implied, and disclaims any and all warranty concerning:
  - the results to be obtained by the Notes, the holders of the Notes or any other person in connection with the use of the SX5E and the data included in the SX5E;
  - the accuracy or completeness of the SX5E and its data;
  - the merchantability and the fitness for a particular purpose or use of the SX5E and its data;
- STOXX will have no liability for any errors, omissions, or interruptions in the SX5E or its data; and

Under no circumstances will STOXX be liable for any lost profits or indirect, punitive, special, or consequential damages or losses, even if STOXX knows that they might occur.

The licensing agreement between us and STOXX is solely for their benefit and our benefit, and not for the benefit of the holders of the Notes or any other third parties.

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#### Historical Information

The graph below sets forth the information relating to the historical performance of the SX5E. In addition, below the graph is a table setting forth the intra-day high, intra-day low and period-end closing levels of the SX5E. The information provided in this table is for the four calendar quarters of 2013 through 2017, and for the period from January 1, 2018 through February 6, 2018.

We obtained the information regarding the historical performance of the SX5E in the chart below from Bloomberg Financial Markets. We have not independently verified the accuracy or completeness of the information obtained from Bloomberg Financial Markets. The historical performance of the SX5E should not be taken as an indication of its future performance, and no assurance can be given as to the Final Level of the SX5E. We cannot give you assurance that the performance of the SX5E will result in any positive return on your initial investment.

#### EURO STOXX 50<sup>®</sup> Index (“SX5E”)

Period-Start Date	Period-End Date	High Intra-Day Level of this Reference Asset	Low Intra-Day Level of this Reference Asset	Period-End Closing Level of this Reference Asset
1/1/2013	3/31/2013	2,754.80	2,563.64	2,624.02
4/1/2013	6/30/2013	2,851.48	2,494.54	2,602.59
7/1/2013	9/30/2013	2,955.47	2,539.15	2,893.15
10/1/2013	12/31/2013	3,116.23	2,891.39	3,109.00
1/1/2014	3/31/2014	3,185.68	2,944.13	3,161.60
4/1/2014	6/30/2014	3,325.50	3,083.43	3,228.24
7/1/2014	9/30/2014	3,301.15	2,977.52	3,225.93
10/1/2014	12/31/2014	3,278.97	2,789.63	3,146.43
1/1/2015	3/31/2015	3,742.42	2,998.53	3,697.38
4/1/2015	6/30/2015	3,836.28	3,374.18	3,424.30
7/1/2015	9/30/2015	3,714.26	2,973.16	3,100.67
10/1/2015	12/31/2015	3,524.04	3,036.17	3,267.52
1/1/2016	3/31/2016	3,266.01	2,672.73	3,004.93
4/1/2016	6/30/2016	3,156.86	2,678.27	2,864.74
7/1/2016	9/30/2016	3,101.75	2,742.66	3,002.24
10/1/2016	12/31/2016	3,290.52	2,937.98	3,290.52
1/1/2017	3/31/2017	3,500.93	3,214.31	3,500.93
4/1/2017	6/30/2017	3,666.80	3,407.33	3,441.88
7/1/2017	9/30/2017	3,594.85	3,363.68	3,594.85
10/1/2017	12/31/2017	3,708.82	3,503.20	3,503.96
1/1/2018	2/6/2018	3,687.22	3,362.85	3,394.92

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#### SUPPLEMENTAL DISCUSSION OF U.S. FEDERAL INCOME TAX CONSEQUENCES

The following disclosure supplements, and to the extent inconsistent supersedes, the discussion in the product prospectus supplement dated January 12, 2016 under “Supplemental Discussion of U.S. Federal Income Tax Consequences.”

Under Section 871(m) of the Code, a “dividend equivalent” payment is treated as a dividend from sources within the United States. Such payments generally would be subject to a 30% U.S. withholding tax if paid to a non-U.S. holder. Under U.S. Treasury Department regulations, payments (including deemed payments) with respect to equity-linked instruments (“ELIs”) that are “specified ELIs” may be treated as dividend equivalents if such specified ELIs reference an interest in an “underlying security,” which is generally any interest in an entity taxable as a corporation for U.S. federal income tax purposes if a payment with respect to such interest could give rise to a U.S. source dividend. However, the IRS has issued guidance that states that the U.S. Treasury Department and the IRS intend to amend the effective dates of the U.S. Treasury Department regulations to provide that withholding on dividend equivalent payments will not apply to specified ELIs that are not delta-one instruments and that are issued before January 1, 2019. Based on our determination that the Notes are not delta-one instruments, non-U.S. holders should not be subject to withholding on dividend equivalent payments, if any, under the Notes. However, it is possible that the Notes could be treated as deemed reissued for U.S. federal income tax purposes upon the occurrence of certain events affecting the Reference Assets or the Notes (for example, upon a Reference Asset rebalancing) and following such occurrence the Notes could be treated as subject to withholding on dividend equivalent payments. Non-U.S. holders that enter, or have entered, into other transactions in respect of the Reference Assets or the Notes should consult their tax advisors as to the application of the dividend equivalent withholding tax in the context of the Notes and their other transactions. If any payments are treated as dividend equivalents subject to withholding, we (or the applicable withholding agent) would be entitled to withhold taxes without being required to pay any additional amounts with respect to amounts so withheld.

#### SUPPLEMENTAL PLAN OF DISTRIBUTION (CONFLICTS OF INTEREST)

We expect that delivery of the Notes will be made against payment for the Notes on or about February 28, 2018, which is the third (3rd) business day following the Pricing Date (this settlement cycle being referred to as “T+3”). See “Plan of Distribution” in the prospectus dated January 8, 2016. For additional information as to the relationship between us and RBCCM, please see the section “Plan of Distribution—Conflicts of Interest” in the prospectus dated January 8, 2016.

In the initial offering of the Notes, they will be offered to investors at a purchase price equal to par, except with respect to certain accounts as indicated on the cover page of this document.

We expect that delivery of the Notes will be made against payment for the Notes on a date that is more than two business days following the Pricing Date. Under Rule 15c6-1 under the Securities Exchange Act of 1934, trades in the secondary market generally are required to settle in two business days, unless the parties to that trade expressly agree otherwise. Accordingly, purchasers who wish to trade the Notes more than two business days prior to the Original Issue Date will be required to specify an alternate settlement cycle at the time of any such trade to prevent a failed settlement, and should consult their own advisors.

The value of the Notes shown on your account statement may be based on RBCCM’s estimate of the value of the Notes if RBCCM or another of our affiliates were to make a market in the Notes (which it is not obligated to do). That estimate will be based upon the price that RBCCM may pay for the Notes in light of then prevailing market conditions, our creditworthiness and transaction costs. For a period of approximately 12 months after the issue date of

the Notes, the value of the Notes that may be shown on your account statement may be higher than RBCCM's estimated value of the Notes at that time. This is because the estimated value of the Notes will not include the underwriting discount and our hedging costs and profits; however, the value of the Notes shown on your account statement during that period may be a higher amount, reflecting the addition of RBCCM's underwriting discount and our estimated costs and profits from hedging the Notes. This excess is expected to decrease over time until the end of this period. After this period, if RBCCM repurchases your Notes, it expects to do so at prices that reflect their estimated value.

We may use this terms supplement in the initial sale of the Notes. In addition, RBCCM or another of our affiliates may use this terms supplement in a market-making transaction in the Notes after their initial sale. Unless we or our agent informs the purchaser otherwise in the confirmation of sale, this terms supplement is being used in a market-making transaction.

No Prospectus (as defined in Directive 2003/71/EC (as amended, the "Prospectus Directive")) will be prepared in connection with the Notes. Accordingly, the Notes may not be offered to the public in any member state of the European Economic Area (the "EEA"), and any purchaser of the Notes who subsequently sells any of the Notes in any EEA member state must do so only in accordance with the requirements of the Prospectus Directive, as implemented in that member state.

The Notes are not intended to be offered, sold or otherwise made available to, and should not be offered, sold or otherwise made available to, any retail investor in the EEA. For these purposes, the expression "offer" includes the communication in any form and by

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any means of sufficient information on the terms of the offer and the Notes to be offered so as to enable an investor to decide to purchase or subscribe the Notes, and a “retail investor” means a person who is one (or more) of: (a) a retail client, as defined in point (11) of Article 4(1) of Directive 2014/65/EU (as amended, “MiFID II”); or (b) a customer, within the meaning of Insurance Distribution Directive 2016/97/EU, as amended, where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or (c) not a qualified investor as defined in the Prospectus Directive. Consequently, no key information document required by Regulation (EU) No 1286/2014 (as amended, the “PRIIPs Regulation”) for offering or selling the Notes or otherwise making them available to retail investors in the EEA has been prepared, and therefore, offering or selling the Notes or otherwise making them available to any retail investor in the EEA may be unlawful under the PRIIPs Regulation.

#### STRUCTURING THE NOTES

The Notes are our debt securities, the return on which is linked to the performance of the Reference Assets. As is the case for all of our debt securities, including our structured notes, the economic terms of the Notes reflect our actual or perceived creditworthiness at the time of pricing. In addition, because structured notes result in increased operational, funding and liability management costs to us, we typically borrow the funds under these Notes at a rate that is more favorable to us than the rate that we might pay for a conventional fixed or floating rate debt security of comparable maturity. Using this relatively lower implied borrowing rate rather than the secondary market rate, is a factor that is likely to reduce the initial estimated value of the Notes at the time their terms are set. Unlike the estimated value included in this terms supplement or in the final pricing supplement, any value of the Notes determined for purposes of a secondary market transaction may be based on a different funding rate, which may result in a lower value for the Notes than if our initial internal funding rate were used.

In order to satisfy our payment obligations under the Notes, we may choose to enter into certain hedging arrangements (which may include call options, put options or other derivatives) on the issue date with RBCCM or one of our other subsidiaries. The terms of these hedging arrangements take into account a number of factors, including our creditworthiness, interest rate movements, the volatility of the Reference Assets, and the tenor of the Notes. The economic terms of the Notes and their initial estimated value depend in part on the terms of these hedging arrangements.

The lower implied borrowing rate is a factor that reduces the economic terms of the Notes to you. The initial offering price of the Notes also reflects the underwriting commission and our estimated hedging costs. These factors result in the initial estimated value for the Notes on the Pricing Date being less than their public offering price. See “Selected Risk Considerations—The Initial Estimated Value of the Notes Will Be Less than the Price to the Public” above.

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