TORTOISE ENERGY INFRASTRUCTURE CORP Form N-Q October 26, 2011

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 811-21462

Tortoise Energy Infrastructure Corporation (Exact name of registrant as specified in charter)

11550 Ash Street, Suite 300, Leawood, KS 66211 (Address of principal executive offices) (Zip code)

David J. Schulte 11550 Ash Street, Suite 300, Leawood, KS 66211 (Name and address of agent for service)

913-981-1020 Registrant's telephone number, including area code

Date of fiscal year end: November 30

Date of reporting period: August 31, 2011

Item 1. Schedule of Investments.

Tortoise Energy Infrastructure Corporation SCHEDULE OF INVESTMENTS (Unaudited)

August 31, 2011

	August 31, 2011			
Master Limited Partnerships and Related Companies -				
168.0% (1)	Shares		Fair Value	
Crude/Refined Products Pipelines - 65.0% (1)				
United States - 65.0% (1)				
Blueknight Energy Partners, L.P. (2)	342,162	\$	2,617,539	
Buckeye Partners, L.P.	1,297,200		81,697,656	
Enbridge Energy Partners, L.P.	3,178,982		90,600,987	
Holly Energy Partners, L.P.	616,000		31,231,200	
Kinder Morgan Management, LLC (3)	1,347,434		81,519,751	
Magellan Midstream Partners, L.P.	1,504,429		90,220,607	
NuStar Energy L.P.	917,171		54,296,523	
Oiltanking Partners, L.P.	137,415		3,296,586	
Plains All American Pipeline, L.P.	993,100		60,211,653	
Sunoco Logistics Partners L.P.	828,729		71,063,512	
Tesoro Logistics LP	204,800		4,794,368	
			571,550,382	
Natural Gas/Natural Gas Liquids Pipelines - 75.2% (1)				
United States - 75.2% (1)				
Boardwalk Pipeline Partners, LP	2,581,900		64,805,690	
Duncan Energy Partners L.P.	424,700		18,058,244	
El Paso Pipeline Partners, L.P.	1,716,985		63,167,878	
Energy Transfer Equity, L.P.	514,400		19,670,656	
Energy Transfer Partners, L.P.	2,234,800		100,700,088	
Enterprise Products Partners L.P.	2,869,400		120,945,210	
Niska Gas Storage Partners LLC	501,300		6,356,484	
ONEOK Partners, L.P.	1,543,750		67,091,375	
PAA Natural Gas Storage, L.P.	770,671		13,941,438	
Regency Energy Partners LP	2,681,427		64,032,477	
Spectra Energy Partners, LP	509,651		14,805,361	
TC PipeLines, LP	1,230,100		53,632,360	
Williams Partners L.P.	988,487		53,556,226	
	,		660,763,487	
Natural Gas Gathering/Processing - 23.4% (1)				
United States - 23.4% (1)				
Chesapeake Midstream Partners, L.P.	359,698		10,024,783	
Copano Energy, L.L.C.	885,900		28,720,878	
Crestwood Midstream Partners LP(3)(4)	631,426		15,634,108	
DCP Midstream Partners, LP	1,098,200		42,577,214	
MarkWest Energy Partners, L.P.	919,000		44,157,950	
Targa Resources Partners LP	1,666,061		57,145,892	
Western Gas Partners LP	211,402		7,678,121	
John Guldelo II	211,102		205,938,946	
Propane Distribution - 4.4% (1)			200,700,710	
Tropule Distribution 1.17/2 (1)				

United States - 4.	4% (1)			
Inergy, L.P.		1,350,600		38,303,016
	ited Partnerships and Related Companies			
(Cost \$819,341,20	51)			1,476,555,831
Chart Tama Incom	to and 0.00/ (1)			
Short-Term Inves	estment - 0.0% (1)			
	nal Money Market Portfolio - Class I,			
0.11% (5) (Cost \$		103,074		103,074
0.11 % (3) (Cost ¢	105,074)	103,077		103,074
Total Investments	- 168.0% (1) (Cost \$819,444,335)			1,476,658,905
Other Assets and	Liabilities - (37.5%) (1)			(329,717,711)
Ü	Obligations - (22.2%) (1)			(194,975,000)
-	mable Preferred Stock at Liquidation			
Value - (8.3%) (1				(73,000,000)
	Applicable to Common Stockholders -			
100.0% (1)			\$	878,966,194
	Coloulated as a management of a first assets			
(1)	Calculated as a percentage of net assets applicable to common stockholders.			
(1)	Non-income producing.			
(3)	Security distributions are paid-in-kind.			
(3)	Restricted securities have been fair valued in	n accordance with procedures an	nrove	ed by the Board
(4)	of Directors and	in accordance with procedures up)	prove	od by the Board
	have a total fair value of \$15,634,108, which	h represents 1.8% of net assets.		
	Rate indicated is the current yield as of	•		
(5)	August 31, 2011.			
	-			

Various inputs are used in determining the value of the Company's investments. These inputs are summarized in the three broad levels listed below:

Level 1 – quoted prices in active markets for identical investments

Level 2 – other significant observable inputs (including quoted prices for similar investments, market corroborated inputs, etc.)

Level 3 – significant unobservable inputs (including the Company's own assumptions in determining the fair value of investments)

The inputs or methodology used for valuing securities are not necessarily an indication of the risk associated with investing in those securities.

The following table provides the fair value measurements of applicable Company assets by level within the fair value hierarchy as of August 31, 2011. These assets are measured on a recurring basis.

	Fair Value at			
	August 31,			
Description	2011	Level 1	Level 2	Level 3
Equity Securities:				
Master Limited Partnerships and Related Companies(a)	\$1,476,555,831	\$1,460,921,723	\$15,634,108	\$-
Total Equity Securities	1,476,555,831	1,460,921,723	15,634,108	-
Other:				
Short-Term Investment(b)	103,074	103,074	-	-
Total Other	103,074	103,074	-	-
Total	\$1,476,658,905	\$1,461,024,797	\$15,634,108	\$-

- (a) All other industry classifications are identified in the Schedule of Investments.
- (b) Short-term investment is a sweep investment for cash balances in the Company at August 31, 2011.

Valuation Techniques

In general, and where applicable, the Company uses readily available market quotations based upon the last updated sales price from the principal market to determine fair value. This pricing methodology applies to the Company's Level 1 investments.

An equity security of a publicly traded company acquired in a private placement transaction without registration under the Securities Act of 1933, as amended (the "1933 Act"), is subject to restrictions on resale that can affect the security's fair value. If such a security is convertible into publicly-traded common shares, the security generally will be valued at the common share market price adjusted by a percentage discount due to the restrictions and categorized as Level 2 in the fair value hierarchy. If the security has characteristics that are dissimilar to the class of security that trades on the open market, the security will generally be valued and categorized as Level 3 in the fair value hierarchy.

The Company utilizes the beginning of reporting period method for determining transfers between levels. There were no transfers between levels during the period from December 1, 2010 through August 31, 2011.

Certain of the Company's investments are restricted and are valued as determined in accordance with procedures established by the Board of Directors. The table below shows the number of units held, acquisition date, acquisition cost, fair value, fair value per share and percent of net assets which the security comprises at August 31, 2011.

Investment Security

Acquisition Fair Value Fair Value

		Number of	Acquisitio	n Cost		Per Share	Fair Value
		Shares	Date				as Percent
							of Net
							Assets
Crestwood Midstream	Unregistered	631,426	4/1/11	\$	\$	\$ 24.76	1.8%
Partners LP	Class C Units			15,000,027	15,634,108		

The carrying value per unit of unrestricted common units of Crestwood Midstream Partners LP was \$30.37 on February 18, 2011, the date of the purchase agreement and the date an enforceable right to acquire the restricted Crestwood Midstream Partners LP units was obtained by the Company.

As of August 31, 2011, the aggregate cost of securities for federal income tax purposes was \$652,905,209. The aggregate gross unrealized appreciation for all securities in which there was an excess of fair value over tax cost was \$831,553,216, the aggregate gross unrealized depreciation for all securities in which there was an excess of tax cost over fair value was \$7,799,520 and the net unrealized appreciation was \$823,753,696.

Item 2. Controls and Procedures.

- (a) The registrant's Chief Executive Officer and its Chief Financial Officer have concluded that the registrant's disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940 (the "1940 Act")) are effective as of a date within 90 days of the filing date of this report, based on the evaluation of these controls and procedures required by Rule 30a-3(b) under the 1940 Act and Rule 13a-15(b) or 15d-15(b) under the Securities Exchange Act of 1934, as amended.
- (b) There was no change in the registrant's internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 Act) that occurred during the registrant's last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting.

Item 3. Exhibits.

Separate certifications for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the 1940 Act (17 CFR 270.30a-2(a)) are filed herewith.

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.

Tortoise Energy Infrastructure Corporation

Date: October 26, 2011 By: /s/ Terry Matlack

Terry Matlack

Chief Executive Officer

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.

Tortoise Energy Infrastructure Corporation

Date: October 26, 2011 By: /s/ Terry Matlack

Terry Matlack

Chief Executive Officer

Tortoise Energy Infrastructure Corporation

Date: October 26, 2011 By: /s/ P. Bradley Adams

P. Bradley Adams Chief Financial Officer