ING Infrastructure, Industrials & Materials Fund Form N-Q July 26, 2013

OMB APPROVAL

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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: 811-22051

ING Infrastructure, Industrials and Materials Fund

(Exact name of registrant as specified in charter)

7337 East Doubletree Ranch Rd., Suite 100, Scottsdale, AZ 85258

(Address of principal executive offices) (Zip code)

Huey P. Falgout, Jr., 7337 East Doubletree Ranch Road, Scottsdale, AZ 85258

(Name and address of agent for service)

Registrant s telephone number, including area code: 1-800-992-0180

Date of fiscal year end: February 28
Date of reporting period: May 31, 2013

Item 1. Schedule of Investments

The schedules of investments as of the close of the reporting period are set forth below for:

ING Infrastructure, Industrials and Materials Fund

The schedules are not audited.

$\begin{array}{ll} ING \ Infrastructure, \ Industrials \ and \\ Materials \ Fund \\ \end{array} \begin{array}{ll} PORTFOLIO \ OF \ Investments \\ as \ of \ May \ 31, \ 2013 \ (Unaudited) \\ \end{array}$

Shares		Value	Percentage of Net Assets
COMMON STOC	EK: 98.0%		
136,300	CPFL Energia SA ADR	\$ 2,901,827	0.8
282,500	Weg S.A.	3,685,241	1.0
		6,587,068	1.8
531,600	Bombardier, Inc. Class B	2,409,954	0.7
129,800	Enersis SA ADR	2,175,448	0.6
80,000	China Mobile Ltd. ADR	4,144,000	1.1
310,000	China Unicom Hong Kong Ltd. ADR	4,200,500	1.2
1,718,639	Dongfang Electrical Machinery Co., Ltd.	2,645,785	0.8
	,	10,990,285	3.1

Shares			Value	Percentage of Net Assets
		Finland: 1.0%		
266,736		Outotec Oyj	3,562,537	1.0
42,210		Air Liquide	5,427,905	1.5
158,628	@	CGG	3,901,349	1.1
79,298		Schneider Electric S.A.	6,274,947	1.8
178,583		Suez Environnement S.A.	2,299,544	0.6
47,023		Technip S.A.	5,227,240	1.5
93,276		Vinci S.A.	4,783,639	1.3
			27,914,624	7.8
		Germany: 8.7 %		
64,788		BASF AG	6,278,944	1.8
224,486		Deutsche Post AG	5,657,011	1.6
406,989		Deutsche Telekom AG	4,634,943	1.3
217,737		E.ON AG	3,669,111	1.0
98,840		GEA Group AG	3,587,520	1.0
69,434		Siemens AG	7,319,196	2.0
			31,146,725	8.7
58,900		Larsen & Toubro Ltd.	1,456,189	0.4
233,167		CRH PLC	4,923,865	1.4
1,384,960		Enel S.p.A.	5 212 962	1.5
388,232		Fiat Industrial SpA	5,212,863 4,465,215	1.2
300,232		riat muustiai SpA	9,678,078	2.7
828,000		Hitachi Ltd.	5,573,124	1.5
163,300		Komatsu Ltd.	4,089,307	1.1
419,000		Mitsubishi Electric Corp.	3,941,055	1.1
49,900		Shin-Etsu Chemical Co., Ltd.	3,126,293	0.9
			16,729,779	4.6
244.222				
344,300	_	ArcelorMittal	4,358,838	1.2
49,400	@	Millicom International Cellular SA	3,964,350	1.1
			8,323,188	2.3
104,653		Netherlands: 2.6% European Aeronautic Defence and Space Co. NV	6,025,971	1.7
53,000		Koninklijke DSM NV	3,477,357	0.9
33,000		Tomming Dom 111	9,503,328	2.6
223,700		Mobile Telesystems OJSC ADR	4,310,699	1.2

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Shares		Value	Percentage of Net Assets
55,373	POSCO ADR	3,912,103	1.1
323,157	Volvo AB B Shares	4,715,886	1.3
		, .,,	
227,500	ABB Ltd. ADR	4,957,225	1.4
60,768	Wolseley PLC	3,089,862	0.8
		8,047,087	2.2
172,602	Anglo American PLC	3,954,739	1.1
175,000	Antofagasta PLC	2,483,555	0.7
272,276	BHP Billiton PLC	7,829,396	2.2
132,899	Rio Tinto PLC	5,676,258	1.6
293,050	Vesuvius PLC	1,684,629	0.4
2,658,085	Vodafone Group PLC	7,703,487	2.1
102,301	Weir Group PLC	3,591,247	1.0
		32,923,311	9.1
72,800	Acuity Brands, Inc.	5,465,096	1.5
218,500	CenterPoint Energy, Inc.	5,064,830	1.4
255,600	CSX Corp.	6,443,676	1.8
57,600	Cummins, Inc.	6,890,688	1.9
78,400	Donaldson Co., Inc.	2,940,784	0.8
70,900	DTE Energy Co.	4,722,649	1.3
102,000	@ Eaton Corp. PLC	6,738,120	1.9
103,600	EI Du Pont de Nemours & Co.	5,779,844	1.6
99,000	Fluor Corp.	6,257,790	1.7
95,700	General Dynamics Corp.	7,378,470	2.1
187,600	General Electric Co.	4,374,832	1.2
121,600	Honeywell International, Inc.	9,540,736	2.7
117,700	KBR, Inc.	4,248,970	1.2
53,800	Lincoln Electric Holdings, Inc.	3,217,240	0.9
61,200	Lockheed Martin Corp.	6,476,796	1.8
154,700	Manitowoc Co., Inc.	3,250,247	0.9
47,900	Monsanto Co.	4,820,656	1.3
79,700	National Oilwell Varco, Inc.	5,602,910	1.6
130,900	NV Energy, Inc.	3,068,296	0.9
72,900	@ Old Dominion Freight Line	3,139,074	0.9
48,900	Pall Corp.	3,334,980	0.9

ING Infrastructure, Industrials and PORTFOLIO OF INVESTMENTS as of May 31, 2013 (Unaudited) (Continued)

Materials Fund

Shares			Value	Percentage of Net Assets
142,300		Patterson-UTI Energy, Inc.	\$ 2,989,723	0.8
192,200		Peabody Energy Corp.	3,780,574	1.0
100,900	@	Quanta Services, Inc.	2,862,533	0.8
120,800		Republic Services, Inc.	4,119,280	1.1
45,200		Roper Industries, Inc.	5,614,744	1.6
95,900		Schlumberger Ltd.	7,003,577	1.9
75,900		TAL International Group, Inc.	3,207,534	0.9
23,600		TransDigm Group, Inc.	3,447,960	1.0
98,800	@	Trimble Navigation Ltd.	2,756,520	0.8
91,400		UGI Corp.	3,490,566	1.0
63,200		Union Pacific Corp.	9,771,984	2.7
70,600	@	WABCO Holdings, Inc.	5,324,652	1.5
			163,126,331	45.4
		Total Common Stock (Cost \$313,555,606)	352,436,485	98.0
SHORT-TERM	M INVEST	FMENTS: 1.8%		
		Mutual Funds: 1.8%		
6,431,000		BlackRock Liquidity Funds, TempFund, Institutional Class		
		(Cost \$6,431,000)	6,431,000	1.8
		Total Short-Term Investments (Cost \$6,431,000)	6,431,000	1.8
		Total Investments in Securities (Cost \$319,986,606)	\$ 358,867,485	99.8
		Assets in Excess of Other Liabilities	738,266	0.2
		Net Assets	\$ 359,605,751	100.0

@ Non-income producing security

ADR American Depositary Receipt

Cost for federal income tax purposes is \$320,582,686.

Net unrealized appreciation consists of:	
Gross Unrealized Appreciation	\$ 64,842,650
Gross Unrealized Depreciation	(26,557,851)
Net Unrealized Appreciation	\$ 38,284,799

Sector Diversification Percentage of Net Assets

Sector Diversification	Percentage of Net Assets
Industrials	53.4%
Materials	17.3
Utilities	9.1
Telecommunication Services	8.0
Energy	7.9
Information Technology	2.3
Short-Term Investments	1.8
Assets in Excess of Other Liabilities	0.2
Net Assets	100.0%

 $\begin{array}{ll} ING \ Infrastructure, \ Industrials \ and \\ Materials \ Fund & as \ of \ May \ 31, \ 2013 \ (Unaudited) \ (Continued) \end{array}$

Fair Value Measurements

The following is a summary of the fair valuations according to the inputs used as of May 31, 2013 in valuing the assets and liabilities:

Investments, at fair value		Quoted Pri in Active Mai for Identic Investmen (Level 1)	rkets Other cal Observable ts Inputs#	Significant Unobservable Inputs (Level 3)	Fair Value at May 31, 2013
Common Stock S \$ \$ \$ 6,587,068 \$ \$ 6,587,068 \$ \$ 6,587,068 \$ \$ 6,587,068 \$ \$ 6,587,068 \$ \$ 6,587,068 \$ \$ 6,587,068 \$ \$ 6,587,068 \$ \$ 6,587,068 \$ 2,409,954 2,503,285 3,562,537 3,562,537 3,562,537 3,562,537 3,562,537 3,562,537 3,562,537 3,562,537 3,562,537 3,146,725 31,146,725 31,146,725 31,146,725 31,146,725 31,146,725 31,146,725 31,146,725 31,146,725 4,923,865 4,923,865 4,923,865 4,923,865 4,923,865 4,923,865 4,923,865 4,923,865 4,923,865 4,923,865 4,923,865	Asset Table				
Brazil \$ 6,587,068 \$ \$ 6,587,068 Canada 2,409,954 2,409,954 Chile 2,175,448 2,175,448 China 8,344,500 2,645,785 10,990,285 Finland 3,562,537 3,562,537 France 27,914,624 27,914,624 Germany 31,146,725 31,146,725 India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Investments, at fair value				
Canada 2,409,954 2,409,954 Chile 2,175,448 2,175,448 China 8,344,500 2,645,785 10,990,285 Finland 3,562,537 3,562,537 France 27,914,624 27,914,624 Germany 31,146,725 31,146,725 India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Common Stock				
Chile 2,175,448 2,175,448 China 8,344,500 2,645,785 10,990,285 Finland 3,562,537 3,562,537 France 27,914,624 27,914,624 Germany 31,146,725 31,146,725 India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Brazil	\$ 6,587,0	68 \$	\$	\$ 6,587,068
China 8,344,500 2,645,785 10,990,285 Finland 3,562,537 3,562,537 France 27,914,624 27,914,624 Germany 31,146,725 31,146,725 India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Canada	2,409,9	54		2,409,954
Finland 3,562,537 3,562,537 France 27,914,624 27,914,624 Germany 31,146,725 31,146,725 India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Chile	2,175,4	48		2,175,448
France 27,914,624 27,914,624 Germany 31,146,725 31,146,725 India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	China	8,344,5	00 2,645,785		10,990,285
Germany 31,146,725 31,146,725 India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Finland		3,562,537		3,562,537
India 1,456,189 1,456,189 Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	France		27,914,624		27,914,624
Ireland 4,923,865 4,923,865 Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Germany		31,146,725		31,146,725
Italy 9,678,078 9,678,078 Japan 16,729,779 16,729,779 Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	India		1,456,189		1,456,189
Japan 16,729,779 Luxembourg 8,323,188 Netherlands 9,503,328 Russia 4,310,699 South Korea 3,912,103 Sweden 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Ireland		4,923,865		4,923,865
Luxembourg 8,323,188 8,323,188 Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Italy		9,678,078		9,678,078
Netherlands 9,503,328 9,503,328 Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Japan		16,729,779		16,729,779
Russia 4,310,699 4,310,699 South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Luxembourg	8,323,1	88		8,323,188
South Korea 3,912,103 3,912,103 Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Netherlands		9,503,328		9,503,328
Sweden 4,715,886 4,715,886 Switzerland 4,957,225 3,089,862 8,047,087	Russia	4,310,6	99		4,310,699
Switzerland 4,957,225 3,089,862 8,047,087	South Korea	3,912,1	03		3,912,103
, ,	Sweden		4,715,886		4,715,886
United Kingdom 32,923,311 32,923,311	Switzerland	4,957,2	3,089,862		8,047,087
	United Kingdom		32,923,311		32,923,311

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	Quoted Prices in Active Markets for Identical Investments (Level 1)	Significant Other Observable Inputs# (Level 2)	Significant Unobservable Inputs (Level 3)	Fair Value at May 31, 2013
United States	163,126,331			163,126,331
Total Common Stock	204,146,516	148,289,969		352,436,485
Short-Term Investments	6,431,000			6,431,000
Total Investments, at fair value	\$210,577,516	\$148,289,969	\$	\$358,867,485
Liabilities Table				
Other Financial Instruments+				
Written Options	\$	\$ (1,493,817)	\$	\$ (1,493,817)
Total Liabilities	\$	\$ (1,493,817)	\$	\$ (1,493,817)

ING Infrastructure, Industrials and Materials Fund Written OTC Options on May 31, 2013:

Number of Contracts	Counterparty	Description	Exercise Price	Expiration Date	Premiums Received	Fair Value
Options on Securities						
302,112	UBS Warburg LLC	Call on Custom Basket of Equity Securities	100 .000 EUR	06/21/13	\$ 682,056	\$ (756,752)
84,976	Credit Suisse First Boston	Call on Custom Basket of Equity Securities	100 .000 GBP	06/21/13	300,268	(184,955)
357,940	Credit Suisse First Boston	Call on Custom Basket of Equity Securities	100 .000 USD	06/19/13	604,920	(123,597)
390,480	Goldman Sachs & Co.	Call on Custom Basket of Equity Securities	100 .000 USD	06/19/13	613,054	(428,513)
				Total Written OTC Options	\$2,200,298	\$(1,493,817)

ING Infrastructure, Industrials and Portfolio of Investments

Materials Fund as of May 31, 2013 (Unaudited) (Continued)

Other Financial Instruments are derivatives not reflected in the Portfolio of Investments and may include open forward foreign currency contracts, equity forwards, futures, swaps, and written options. Forward foreign currency contracts, equity forwards and futures are valued at the unrealized gain (loss) on the instrument. Swaps and written options are valued at the fair value of the instrument.

[#] The earlier close of the foreign markets gives rise to the possibility that significant events, including broad market moves, may have occurred in the interim and may materially affect the value of those securities. To account for this, the Fund may frequently value many of its foreign equity securities using fair value prices based on third party vendor modeling tools to the extent available. Accordingly, a portion of the Fund s investments are categorized as Level 2 investments.

The fair value of derivative instruments as of May 31, 2013 was as follows:

	Derivative Type	Fair Value
Derivatives not accounted for as hedging instruments <u>Liability Derivatives</u>		
	Writen	
Equity contracts	options	\$1,493,817
Total Liability Derivatives		\$1,493,817

The following is a summary by counterparty of the fair value of OTC derivative instruments subject to Master Netting Agreements and collateral (received)/pledged, if any, at May 31, 2013⁽¹⁾:

Counterparty	Total Fair Value of OTC Derivative Instruments ⁽²⁾	Collateral	Net Exposure d at May 31, 2013 ⁽³⁾
Credit Suisse First Boston	\$ (308,552)	\$	\$(308,552)
Goldman Sachs & Co.	(428,513)		(428,513)
UBS Warburg LLC	(756,752)		(756,752)

⁽¹⁾ Please refer to the table above for the gross fair values of all open OTC derivative instruments broken down by assets and liabilities at May 31, 2013.

Item 2. Controls and Procedures.

Based on our evaluation conducted within 90 days of the filing date, hereof, the design and operation of the registrant s disclosure controls and procedures are effective to ensure that material information relating to the registrant is made known to the certifying officers by others within the appropriate entities, particularly during the period in which Forms N-Q are being prepared, and the registrant s disclosure controls and procedures allow timely preparation and review of the information for the registrant s Form N-Q and the officer certifications of such Form N-Q.

There were no significant changes in the registrant s internal controls over financial reporting that occurred during the registrant s last 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 3. Exhibits.

(b)

A separate certification for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2 under the Act (17 CFR 270.30a-2) is attached hereto as EX-99.CERT.

⁽²⁾ Represents the net fair value of all open OTC derivative instruments with each respective broker(s).

⁽³⁾ Net exposure represents the fair value of the net receivable/(payable) that would be due from/(to) the counterparty in the event of default.

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): ING Infrastructure, Industrials and Materials Fund

By /s/ Shaun P. Mathews

Shaun P. Mathews

President and Chief Executive Officer

Date: July 26, 2013

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 /s/ Shaun P. Mathews

Shaun P. Mathews

President and Chief Executive Officer

Date: July 26, 2013

By /s/ Todd Modic

Todd Modic

Senior Vice President and Chief Financial Officer

Date: July 26, 2013