

# FTSE Infrastructure Index Series

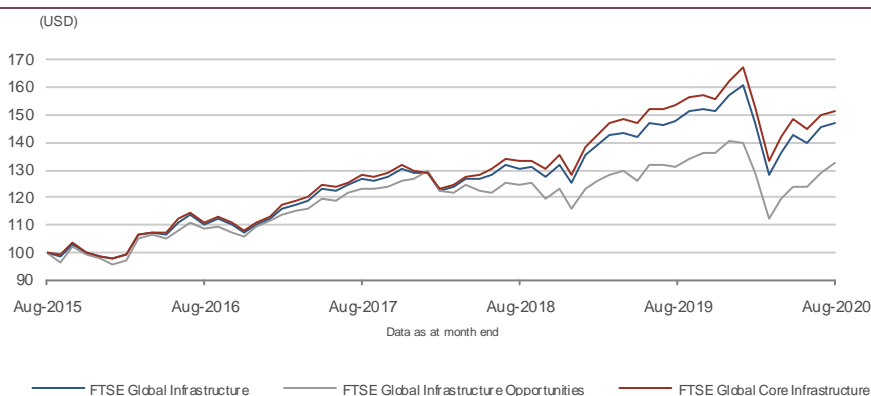
Data as at: 31 August 2020

The FTSE Infrastructure Index Series is a comprehensive set of nine cap-weighted indices, diversified across six FTSE-defined infrastructure sub-sectors, to reflect the performance of infrastructure and infrastructure-related listed securities worldwide.

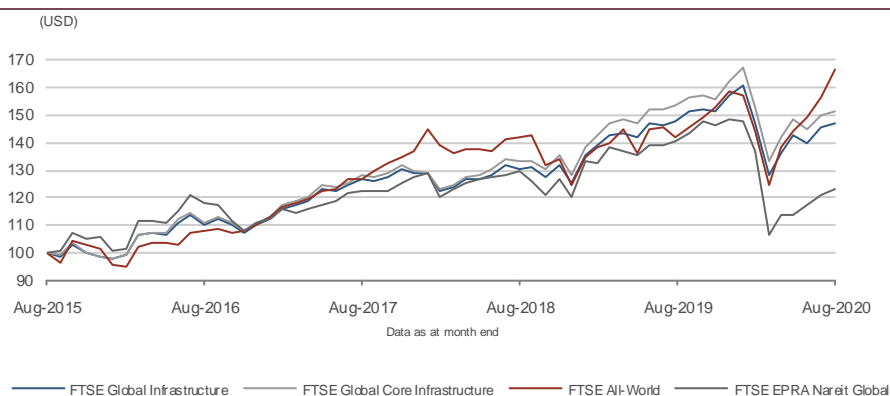
The Index Series uses a building block approach to give investors greater choice and flexibility in the way they can benchmark, research and manage their exposure to global infrastructure. Infrastructure is defined by FTSE as companies that own, manage or operate structures or networks, which are used for the processing or movement of goods, services, information/data, people, energy and necessities. This definition forms the basis for the FTSE Core Infrastructure Sectors and the FTSE Core Infrastructure Indices.

FTSE further expands the definition of infrastructure from the structures and networks to include the conveyance of goods, services, information/data, people, energy and necessities. This forms the basis for the FTSE Infrastructure-Related Sectors and the FTSE Infrastructure Opportunities Indices.

## 5-Year Performance - Total Return



## FTSE Global Infrastructure Indices against FTSE All-World and FTSE EPRA Nareit Global 5-Year Performance - Total Return



## FEATURES

### Coverage

Constituents are selected from the FTSE Global All Cap Index using FTSE Russell's definition of infrastructure. FTSE Russell applies minimum infrastructure revenue thresholds of 65% for constituents of the Core Infrastructure indexes and 20% for constituents of the Infrastructure Opportunities indexes.

### Market Cap Adjustment

FTSE applies a 10% market cap adjustment across all constituents of the Infrastructure-related sectors to reduce excessive concentration in individual sectors and provide a more balanced exposure.

### Objective

The indexes are designed for the creation of index tracking funds, derivatives and as a performance benchmark.

### Investability

Stocks are selected and weighted to ensure that the index is investable.

### Liquidity

Stocks are screened to ensure that the index is tradable.

### Transparency

Index methodologies are freely available on the FTSE Russell website.

### Availability

The indexes are calculated based on price and total return methodologies, on an end-of-day basis.

### Industry Classification Benchmark (ICB)

Index constituents are categorized in accordance with the Industry Classification Benchmark (ICB), the global standard for industry sector analysis. Constituents are screened according to ICB Subsectors that meet FTSE's definition of infrastructure.

**Performance and Volatility - Total Return**

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE Global Infrastructure	3.4	0.0	-6.2	-0.6	16.2	47.3	5.1	8.0	28.4	16.0	12.0
FTSE Global Infrastructure Opportunities	7.2	3.3	-5.6	1.2	7.9	32.9	2.6	5.9	25.2	15.8	12.3
FTSE Global Core Infrastructure	1.8	-0.9	-6.6	-1.3	18.2	51.5	5.7	8.7	29.7	16.2	12.1
FTSE Global All Cap	15.2	14.8	4.1	16.1	29.4	64.1	9.0	10.4	26.6	18.9	14.9
FTSE All-World	15.3	15.4	4.9	17.1	31.1	66.6	9.5	10.7	26.3	18.4	14.6

\* Compound annual returns measured over 3 and 5 years respectively

\*\* Volatility – 1YR based on 12 months daily data. 3YR based on weekly data (Wednesday to Wednesday). 5YR based on monthly data

**Year-on-Year Performance - Total Return**

Index % (USD)	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
FTSE Global Infrastructure	12.5	3.6	9.7	17.2	15.3	-9.3	12.1	16.9	-2.4	24.9
FTSE Global Infrastructure Opportunities	11.0	-5.7	10.1	19.9	5.6	-7.5	11.8	16.4	-8.9	21.6
FTSE Global Core Infrastructure	13.8	7.8	9.9	17.1	18.9	-10.6	13.1	16.9	-0.9	26.3
FTSE Global All Cap	14.8	-7.6	17.2	23.9	4.5	-1.7	9.0	24.4	-9.6	27.1
FTSE All-World	13.2	-7.3	17.1	23.3	4.8	-1.7	8.6	24.6	-9.1	27.2

**Return/Risk Ratio and Drawdown - Total Return**

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Global Infrastructure	0.0	0.3	0.7	0.8	-34.5	-34.5	-34.5	-34.5
FTSE Global Infrastructure Opportunities	0.0	0.2	0.5	0.5	-32.7	-32.7	-32.7	-32.7
FTSE Global Core Infrastructure	0.0	0.3	0.7	0.9	-35.3	-35.3	-35.3	-35.3
FTSE Global All Cap	0.6	0.5	0.7	0.7	-34.3	-34.3	-34.3	-34.3
FTSE All-World	0.6	0.5	0.7	0.7	-33.7	-33.7	-33.7	-33.7

Return/Risk Ratio – based on compound annual returns and volatility in Performance and Volatility table

Drawdown - based on daily data

**FTSE Global Infrastructure Index - Top 10 Constituents**

Constituent	Country	ICB Subsector	Net MCap (USDm)	Wgt %
NextEra Energy Inc	USA	Conventional Electricity	136,416	4.98
Union Pacific Corp	USA	Railroads	130,449	4.76
American Tower Corp	USA	Specialty REITs	109,733	4.01
Iberdrola	Spain	Conventional Electricity	75,896	2.77
Canadian National Railway	Canada	Railroads	74,782	2.73
Crown Castle Intl Corp	USA	Specialty REITs	67,714	2.47
Dominion Energy	USA	Conventional Electricity	65,658	2.40
Enbridge	Canada	Pipelines	64,784	2.36
Duke Energy Corp	USA	Mult utilities	58,915	2.15
CSX Corp	USA	Railroads	58,208	2.12
<b>Totals</b>			<b>842,554</b>	<b>30.75</b>

**INFORMATION****Index Universe**

FTSE Global All Cap Index

**Index Launch**

31 March 2011

**Base Date**

16 December 2005

**Base Value**

1000

**Investability Screen**

Actual free float applied and liquidity screened

**Index Calculation**

End-of-day

**End-of-Day Distribution**

Via FTP and email

**Currency**

USD, EUR, GBP, JPY and AUD

**Review Dates**

Semi-annually in March &amp; September

**History**

Available from December 2005

**Fundamental Research**

Fundamental research on the constituents of the FTSE Infrastructure Index Series is provided by LPX Group.

**LPX Group Website**

www.lpx-group.com

## ICB Subsector Breakdown

ICB Code	ICB Subsector	FTSE Global Infrastructure			FTSE Global Infrastructure Opportunities			FTSE Global Core Infrastructure		
		No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
0577	Pipelines	51	733,968	8.93	51	733,968	4.87	48	721,429	10.96
1753	Aluminum/Aluminium	54	6,388	0.08	54	63,879	0.42	-	-	-
1757	Iron & Steel	306	53,019	0.65	306	530,194	3.52	-	-	-
2353	Building Materials & Fixtures	300	77,937	0.95	300	779,368	5.17	-	-	-
2357	Heavy Construction	453	78,272	0.95	453	738,855	4.91	3	4,874	0.07
2771	Delivery Services	63	77,326	0.94	63	773,259	5.13	-	-	-
2773	Marine Transportation	147	17,660	0.21	147	176,602	1.17	-	-	-
2775	Railroads	30	1,171,706	14.26	30	1,171,706	7.78	30	1,171,706	17.79
2777	Transportation Services	207	383,760	4.67	207	438,610	2.91	180	359,142	5.45
2779	Trucking	51	31,658	0.39	51	316,577	2.10	-	-	-
2791	Business Support Services	15	1,819	0.02	15	18,187	0.12	-	-	-
5553	Broadcasting & Entertainment	6	7,439	0.09	6	7,439	0.05	6	7,439	0.11
5751	Airlines	159	16,852	0.21	159	168,519	1.12	-	-	-
5759	Travel & Tourism	90	341,788	4.16	90	373,133	2.48	24	211,750	3.22
6535	Fixed Line Telecommunications	165	219,250	2.67	165	2,148,644	14.27	6	4,873	0.07
6575	Mobile Telecommunications	213	266,735	3.25	213	1,888,748	12.54	12	86,511	1.31
7535	Conventional Electricity	246	2,726,263	33.17	246	2,726,263	18.10	210	2,212,709	33.60
7573	Gas Distribution	117	361,708	4.40	117	361,708	2.40	102	324,935	4.93
7575	Multiutilities	45	698,244	8.50	45	698,244	4.64	36	609,439	9.26
7577	Water	75	286,663	3.49	75	286,851	1.90	54	209,359	3.18
8675	Specialty REITs	12	639,212	7.78	12	639,212	4.24	12	639,212	9.71
9578	Telecommunications Equipment	18	21,284	0.26	18	21,284	0.14	18	21,284	0.32
<b>Totals</b>		<b>2823</b>	<b>8,218,951</b>	<b>100.00</b>	<b>2823</b>	<b>15,061,253</b>	<b>100.00</b>	<b>741</b>	<b>6,584,661</b>	<b>100.00</b>

## Country Breakdown

Country	FTSE Global Infrastructure			FTSE Global Infrastructure Opportunities			FTSE Global Core Infrastructure		
	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
Australia	27	63,218	2.31	27	96,946	1.93	8	56,531	2.58
Austria	6	1,469	0.05	6	6,385	0.13	2	923	0.04
Belgium	7	4,475	0.16	7	10,704	0.21	1	3,782	0.17
Brazil	24	29,101	1.06	24	74,643	1.49	14	22,862	1.04
Canada	21	287,717	10.50	21	327,853	6.53	11	279,663	12.74
Chile	12	8,877	0.32	12	11,266	0.22	4	6,125	0.28
China	150	53,588	1.96	150	159,341	3.17	42	39,290	1.79
Colombia	4	2,628	0.10	4	4,145	0.08	1	2,460	0.11
Czech Rep.	2	3,309	0.12	2	3,744	0.07	-	-	-
Denmark	5	4,779	0.17	5	47,786	0.95	-	-	-
Egypt	3	64	0.00	3	644	0.01	-	-	-
Finland	5	1,151	0.04	5	11,509	0.23	-	-	-
France	18	66,495	2.43	18	161,277	3.21	4	14,340	0.65
Germany	13	14,334	0.52	13	124,753	2.48	2	2,066	0.09
Greece	6	1,289	0.05	6	5,302	0.11	2	843	0.04
Hong Kong	16	51,098	1.87	16	58,984	1.17	6	50,222	2.29
Hungary	1	48	0.00	1	481	0.01	-	-	-
India	44	20,898	0.76	44	66,976	1.33	13	15,778	0.72
Indonesia	12	2,875	0.10	12	15,397	0.31	2	1,484	0.07
Ireland	1	61	0.00	1	612	0.01	-	-	-
Israel	5	472	0.02	5	4,716	0.09	-	-	-
Italy	16	42,072	1.54	16	54,307	1.08	7	36,867	1.68
Japan	121	193,796	7.07	121	515,650	10.27	19	118,895	5.42
Korea	32	9,258	0.34	32	47,215	0.94	3	5,041	0.23
Kuwait	1	405	0.01	1	4,053	0.08	-	-	-
Malaysia	18	4,070	0.15	18	22,613	0.45	2	2,010	0.09
Mexico	13	14,837	0.54	13	37,204	0.74	7	12,352	0.56
Netherlands	9	2,794	0.10	9	27,936	0.56	-	-	-
New Zealand	7	7,230	0.26	7	17,854	0.36	2	6,049	0.28
Norway	9	1,795	0.07	9	17,954	0.36	-	-	-
Pakistan	5	332	0.01	5	1,152	0.02	2	241	0.01
Philippines	8	5,532	0.20	8	9,450	0.19	4	5,097	0.23
Poland	4	805	0.03	4	2,924	0.06	-	-	-
Portugal	3	1,181	0.04	3	1,749	0.03	1	1,118	0.05
Qatar	4	486	0.02	4	4,857	0.10	-	-	-
Russia	14	7,973	0.29	14	18,578	0.37	5	6,795	0.31
Saudi Arabia	16	5,850	0.21	16	28,603	0.57	1	3,322	0.15
Singapore	8	5,308	0.19	8	22,863	0.46	2	1,959	0.09
South Africa	8	1,378	0.05	8	13,775	0.27	-	-	-
Spain	14	132,861	4.85	14	172,779	3.44	5	52,530	2.39
Sweden	10	3,728	0.14	10	37,281	0.74	-	-	-
Switzerland	6	11,413	0.42	6	88,418	1.76	1	2,857	0.13
Taiwan	27	7,428	0.27	27	53,519	1.07	1	2,307	0.11
Thailand	22	18,870	0.69	22	37,802	0.75	6	13,954	0.64
Turkey	17	1,334	0.05	17	7,817	0.16	2	614	0.03
UAE	2	856	0.03	2	8,564	0.17	-	-	-
UK	28	92,370	3.37	28	184,991	3.68	5	58,560	2.67
USA	137	1,547,743	56.49	137	2,387,045	47.55	60	1,367,953	62.32
<b>Totals</b>	<b>941</b>	<b>2,739,650</b>	<b>100.00</b>	<b>941</b>	<b>5,020,418</b>	<b>100.00</b>	<b>247</b>	<b>2,194,887</b>	<b>100.00</b>

## Index Characteristics

Attributes	FTSE Global Infrastructure	FTSE Global Infrastructure Opportunities	FTSE Global Core Infrastructure
Number of constituents	941	941	247
Net MCap (USDm)	2,739,650	5,020,418	2,194,887
Dividend Yield %	3.28	3.38	3.37
Constituent Sizes (Net MCap USDm)			
Average	2,911	5,335	8,886
Largest	136,416	245,228	136,416
Smallest	1	7	49
Median	168	967	2,458
Weight of Largest Constituent (%)	4.98	4.88	6.22
Top 10 Holdings (% Index MCap)	30.75	25.26	37.44

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