

# FTSE Developed Infrastructure Indices

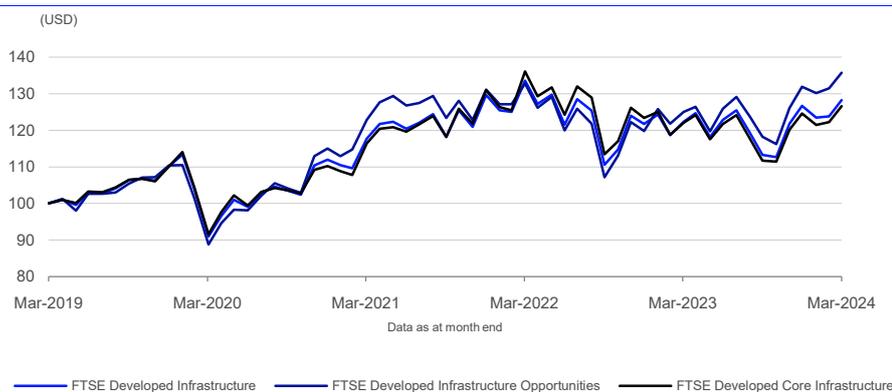
Data as at: 29 March 2024

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 world wide.

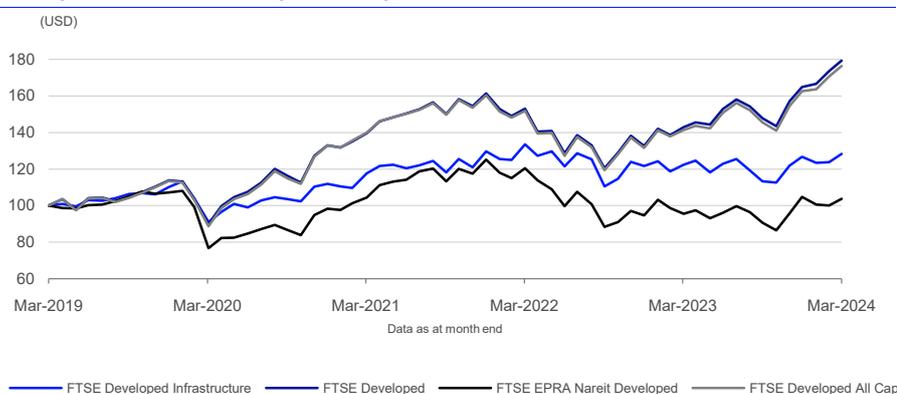
The Index Series uses a building block approach to give investors greater choice and flexibility in the way they can benchmark, research and manage their exposure to global infrastructure. Infrastructure is defined by FTSE Russell as companies that own, manage or operate structures or networks, which 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 Russell 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 Developed Infrastructure Indices against FTSE Developed, FTSE EPRA Nareit Developed and FTSE Developed All Cap 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 indices 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 indices 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 Developed Infrastructure	1.2	13.3	1.2	4.9	9.0	28.3	2.9	5.1	11.5	15.3	16.0
FTSE Developed Infrastructure Opportunities	2.9	14.7	2.9	8.5	10.5	35.7	3.4	6.3	10.3	14.2	16.1
FTSE Developed Core Infrastructure	1.6	13.3	1.6	3.7	8.7	26.6	2.8	4.8	12.2	15.8	16.0
FTSE Developed	8.8	21.3	8.8	25.4	28.4	79.3	8.7	12.4	9.9	15.7	18.1
FTSE EPRA Nareit Developed	-1.0	14.4	-1.0	8.6	-0.6	3.8	-0.2	0.7	15.0	17.3	21.0
FTSE Developed All Cap	8.5	21.2	8.5	24.8	26.1	76.5	8.0	12.0	10.2	16.0	18.4

\* 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)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
FTSE Developed Infrastructure	16.6	-9.0	12.3	16.1	-1.8	25.4	1.6	15.8	-6.1	4.1
FTSE Developed Infrastructure Opportunities	6.7	-5.7	12.2	15.4	-8.3	23.2	4.2	14.1	-8.7	10.1
FTSE Developed Core Infrastructure	20.1	-10.7	13.1	16.2	-0.5	26.4	0.1	18.8	-5.8	1.0
FTSE Developed	5.1	-0.3	8.2	23.9	-8.6	28.0	16.7	21.4	-17.8	24.2
FTSE EPRA Nareit Developed	15.9	0.1	5.0	11.4	-4.7	23.1	-8.2	27.2	-24.4	10.9
FTSE Developed All Cap	4.8	-0.4	8.6	23.6	-9.2	27.9	16.9	20.7	-17.9	23.6

## Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE Developed Infrastructure	0.5	0.2	0.3	0.5	-14.0	-21.4	-34.5	-34.5
FTSE Developed Infrastructure Opportunities	0.9	0.2	0.4	0.4	-11.9	-22.0	-32.8	-32.8
FTSE Developed Core Infrastructure	0.4	0.2	0.3	0.5	-14.3	-21.7	-35.2	-35.2
FTSE Developed	2.7	0.6	0.7	0.7	-10.4	-26.1	-34.0	-34.0
FTSE EPRA Nareit Developed	0.8	0.0	0.0	0.2	-15.9	-32.0	-43.0	-43.0
FTSE Developed All Cap	2.6	0.5	0.7	0.6	-10.9	-26.1	-34.7	-34.7

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

Drawdown - based on daily data

## FTSE Developed Infrastructure Index - Top 10 Constituents

Constituent	Country	ICB Subsector	Net MCap (USDm)	Wgt %
Union Pacific Corp	USA	Railroads	149,718	5.24
NextEra Energy Inc	USA	Conventional Electricity	131,021	4.59
American Tower Corp	USA	Infrastructure REITs	91,867	3.22
Canadian Pacific Kansas City Limited	Canada	Railroads	81,930	2.87
Southern Co	USA	Conventional Electricity	78,071	2.73
Enbridge	Canada	Pipelines	76,412	2.67
Canadian National Railway	Canada	Railroads	75,363	2.64
Duke Energy Corp	USA	Multi-utilities	74,447	2.61
CSX Corp	USA	Railroads	73,047	2.56
Iberdrola	Spain	Conventional Electricity	72,769	2.55
<b>Totals</b>			<b>904,644</b>	<b>31.66</b>

## INFORMATION

## Index Universe

FTSE Global All Cap Index

## Index Launch

31 March 2011

## Index history start date

16 December 2005

## 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

## ICB Subsector Breakdown

ICB Code	ICB Subsector	FTSE Developed Infrastructure			FTSE Developed Infrastructure Opportunities			FTSE Developed Core Infrastructure		
		No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
10101010	Computer Services	7	3,295	0.12	7	32,953	0.65	-	-	-
10101020	Consumer Digital Services	1	181	0.01	1	1,807	0.04	-	-	-
15101010	Telecommunications Equipment	13	4,548	0.16	13	13,102	0.26	4	3,598	0.16
15102015	Telecommunications Services	60	117,932	4.13	60	880,955	17.48	7	33,151	1.45
35102025	Infrastructure REITs	4	162,201	5.68	4	162,201	3.22	4	162,201	7.07
40501010	Airlines	23	5,684	0.20	23	56,837	1.13	-	-	-
40501015	Travel and Tourism	5	7,821	0.27	5	9,033	0.18	-	-	-
50101010	Construction	63	21,169	0.74	63	211,692	4.20	-	-	-
50101015	Engineering and Contracting Services	31	11,046	0.39	31	110,455	2.19	-	-	-
50101030	Cement	14	14,065	0.49	14	140,653	2.79	-	-	-
50101035	Building Materials: Other	13	17,370	0.61	13	173,700	3.45	-	-	-
50201010	Aerospace	3	3,358	0.12	3	33,584	0.67	-	-	-
50205020	Professional Business Support Services	3	2,367	0.08	3	23,671	0.47	-	-	-
50206010	Trucking	15	10,989	0.38	15	109,892	2.18	-	-	-
50206020	Railroads	15	521,011	18.24	15	521,011	10.34	10	496,363	21.65
50206030	Marine Transportation	32	8,345	0.29	32	83,453	1.66	-	-	-
50206040	Delivery Services	18	24,015	0.84	18	240,146	4.77	-	-	-
50206060	Transportation Services	31	80,816	2.83	31	150,124	2.98	11	66,720	2.91
55101000	Diversified Materials	6	1,935	0.07	6	19,347	0.38	-	-	-
55102010	Iron and Steel	40	22,558	0.79	40	225,583	4.48	-	-	-
55102035	Aluminum	11	2,434	0.09	11	24,339	0.48	-	-	-
60101035	Pipelines	13	363,126	12.71	13	363,126	7.21	11	351,813	15.34
65101010	Alternative Electricity	1	11,724	0.41	1	11,724	0.23	-	-	-
65101015	Conventional Electricity	53	967,920	33.88	53	967,920	19.21	47	785,372	34.25
65102000	Multi-utilities	16	293,688	10.28	16	293,688	5.83	14	258,175	11.26
65102020	Gas Distribution	23	97,692	3.42	23	97,692	1.94	17	75,909	3.31
65102030	Water	10	79,816	2.79	10	80,110	1.59	8	59,560	2.60
<b>Totals</b>		<b>524</b>	<b>2,857,106</b>	<b>100.00</b>	<b>524</b>	<b>5,038,796</b>	<b>100.00</b>	<b>133</b>	<b>2,292,862</b>	<b>100.00</b>

## Country Breakdown

Country	FTSE Developed Infrastructure			FTSE Developed Infrastructure Opportunities			FTSE Developed Core Infrastructure		
	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %	No. of Cons	Net MCap (USDm)	Wgt %
Australia	23	50,664	1.77	23	88,792	1.76	5	42,704	1.86
Austria	7	1,675	0.06	7	6,869	0.14	2	1,098	0.05
Belgium	8	5,614	0.20	8	19,606	0.39	1	4,059	0.18
Canada	17	348,376	12.19	17	375,328	7.45	10	339,192	14.79
Denmark	7	4,040	0.14	7	40,396	0.80	-	-	-
Finland	4	855	0.03	4	8,551	0.17	-	-	-
France	17	77,655	2.72	17	209,265	4.15	4	13,485	0.59
Germany	13	17,482	0.61	13	153,942	3.06	2	2,320	0.10
Hong Kong	15	38,492	1.35	15	47,542	0.94	5	37,486	1.63
Israel	5	508	0.02	5	5,078	0.10	-	-	-
Italy	14	85,472	2.99	14	93,800	1.86	6	32,493	1.42
Japan	125	175,498	6.14	125	476,282	9.45	18	106,317	4.64
Korea	33	10,485	0.37	33	61,538	1.22	3	4,813	0.21
Netherlands	6	5,396	0.19	6	31,373	0.62	1	2,509	0.11
New Zealand	7	8,304	0.29	7	19,004	0.38	2	7,116	0.31
Norway	10	2,146	0.08	10	21,456	0.43	-	-	-
Poland	2	318	0.01	2	3,178	0.06	-	-	-
Portugal	3	12,679	0.44	3	13,041	0.26	1	914	0.04
Singapore	7	4,857	0.17	7	26,180	0.52	2	2,488	0.11
Spain	15	126,877	4.44	15	184,765	3.67	5	47,676	2.08
Sweden	10	2,997	0.10	10	29,972	0.59	-	-	-
Switzerland	7	16,665	0.58	7	127,967	2.54	1	4,298	0.19
UK	24	114,241	4.00	24	213,376	4.23	7	80,512	3.51
USA	145	1,745,810	61.10	145	2,781,497	55.20	58	1,563,382	68.18
<b>Totals</b>	<b>524</b>	<b>2,857,106</b>	<b>100.00</b>	<b>524</b>	<b>5,038,796</b>	<b>100.00</b>	<b>133</b>	<b>2,292,862</b>	<b>100.00</b>

## Index Characteristics

Attributes	FTSE Developed Infrastructure	FTSE Developed Infrastructure Opportunities	FTSE Developed Core Infrastructure
Number of constituents	524	524	133
Net MCap (USDm)	2,857,106	5,038,796	2,292,862
Dividend Yield %	3.56	3.39	3.57
Constituent Sizes (Net MCap USDm)			
Average	5,452	9,616	17,240
Largest	149,718	176,360	149,718
Smallest	7	67	136
Median	341	2,482	7,039
Weight of Largest Constituent (%)	5.24	3.50	6.53
Top 10 Holdings (% Index MCap)	31.66	21.84	38.80

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