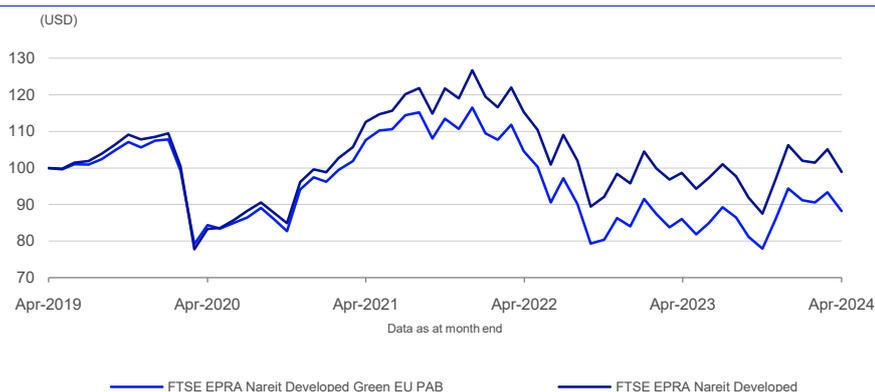


# FTSE EPRA Nareit Developed Green EU PAB Index

Data as at: 30 April 2024

The FTSE EPRA Nareit Developed Green EU PAB Index supports investors wanting to integrate sustainable investment considerations into their listed real estate portfolio. The index is comprised of constituents of the FTSE EPRA Nareit Developed Index and applies a conduct-based exclusion based on the United Nations Global Compact principles. The index incorporates the following targets: 50% GHG emissions intensity reduction, 7% minimum average GHG emissions intensity reduction relative to previous year after inception, 30% Green certificate increase, 10% energy consumption reduction. Furthermore, industry banding constraints are applied to the index in order to reduce tracking error.

## 5-Year Performance - Total Return



## Performance and Volatility - Total Return

Index (USD)	Return %						Return pa %*		Volatility %**		
	3M	6M	YTD	12M	3YR	5YR	3YR	5YR	1YR	3YR	5YR
FTSE EPRA Nareit Developed Green EU PAB	-3.3	13.2	-6.6	2.5	-18.1	-11.8	-6.4	-2.5	16.2	18.0	20.5
FTSE EPRA Nareit Developed	-3.0	13.0	-6.9	0.2	-12.2	-1.1	-4.2	-0.2	15.4	17.5	21.2

\* 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)	2019	2020	2021	2022	2023
FTSE EPRA Nareit Developed Green EU PAB	21.4	-9.4	19.7	-27.9	12.3
FTSE EPRA Nareit Developed	23.1	-8.2	27.2	-24.4	10.9

## FEATURES

### Diversified Investment Opportunities

The index series provides investors with the diversification that real estate offers due to its low correlation with other asset classes, along with sufficient liquidity to gain access to the asset class.

### 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 index is calculated based on price and total return methodologies, available end-of-day.

### Property Sector Classification

Constituents are classified into distinct Property Sectors based on gross invested book assets as disclosed in the latest published financial statement.

## Return/Risk Ratio and Drawdown - Total Return

Index (USD)	Return/Risk Ratio				Drawdown (%)			
	1YR	3YR	5YR	10YR	1YR	3YR	5YR	10YR
FTSE EPRA Nareit Developed Green EU PAB	0.1	-0.3	-0.1	-	-14.8	-35.4	-40.6	-
FTSE EPRA Nareit Developed	0.0	-0.2	0.0	0.2	-15.9	-32.0	-43.0	-43.0

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

Drawdown - based on daily data

## Top 10 Constituents

Constituent	Country/Market	ICB Subsector	FTSE EPRA Nareit Developed Green EU PAB (Wgt %)	FTSE EPRA Nareit Developed (Wgt %)	Diff %
Equinix Inc	USA	Other Specialty REITs	8.62	4.27	4.35
Alexandria Real Estate Equity	USA	Office REITs	4.64	1.29	3.35
Digital Realty Trust	USA	Other Specialty REITs	4.46	2.70	1.76
Prologis	USA	Industrial REITs	4.17	6.06	-1.89
Avalonbay Communities	USA	Residential REITs	4.05	1.73	2.32
Equity Residential	USA	Residential REITs	3.92	1.55	2.38
Essex Prop Trust	USA	Residential REITs	2.60	1.01	1.59
Segro	UK	Industrial REITs	2.31	0.91	1.40
Sumitomo Realty & Development	Japan	Real Estate Holding and Development	2.15	0.89	1.26
Vonovia SE	Germany	Real Estate Holding and Development	2.13	1.30	0.82
<b>Totals</b>			<b>39.05</b>	<b>21.71</b>	

## ICB Subsector Breakdown

ICB Code	ICB Subsector	FTSE EPRA Nareit Developed Green EU PAB		FTSE EPRA Nareit Developed		Diff %
		No. of Cons	Wgt %	No. of Cons	Wgt %	
35101010	Real Estate Holding and Development	60	20.13	67	14.32	5.80
35101015	Real Estate Services	1	0.23	1	0.10	0.14
35102000	Diversified REITs	33	4.73	40	8.34	-3.61
35102010	Health Care REITs	16	2.48	22	7.88	-5.40
35102015	Hotel & Lodging REITs	17	5.11	19	4.84	0.28
35102020	Industrial REITs	27	8.81	33	12.29	-3.48
35102030	Office REITs	48	13.46	58	7.76	5.71
35102040	Residential REITs	36	17.70	38	13.71	3.99
35102045	Retail REITs	45	9.77	61	16.39	-6.62
35102050	Storage REITs	8	2.65	8	3.88	-1.23
35102070	Other Specialty REITs	11	14.92	13	10.44	4.49
40201050	Storage Facilities	-	-	1	0.05	-0.05
<b>Totals</b>		<b>302</b>	<b>100.00</b>	<b>361</b>	<b>100.00</b>	

## INFORMATION

## Index Universe

FTSE EPRA Nareit Developed Index

## Index Launch

31 August 2021

## Base Date

18 September 2015

## Base Value

1000

## Investability Screen

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

## Index Calculation

End-of-day

## End-of-Day Distribution

Via FTP and email

## Currency

USD, GBP, EUR, JPY, AUD, CNY, HKD, CAD

## Review Dates

Annually in September

### Country/Market Breakdown

Country/Market	FTSE EPRA Nareit Developed Green EU PAB		FTSE EPRA Nareit Developed		Diff %
	No. of Cons	Wgt %	No. of Cons	Wgt %	
Australia	17	2.43	27	5.98	-3.55
Austria	1	0.10	1	0.07	0.03
Belgium	9	0.66	10	1.04	-0.38
Canada	13	1.28	18	2.40	-1.12
Finland	2	0.45	2	0.14	0.32
France	8	2.74	8	1.66	1.08
Germany	8	3.22	8	2.12	1.10
Hong Kong	12	4.70	13	3.28	1.42
Ireland	1	0.03	1	0.03	0.00
Israel	3	0.35	3	0.32	0.02
Italy	-	-	1	0.01	-0.01
Japan	48	7.62	59	10.45	-2.83
Korea	2	0.05	5	0.11	-0.05
Netherlands	3	0.16	4	0.15	0.01
New Zealand	6	0.69	6	0.30	0.39
Norway	1	0.10	1	0.04	0.06
Singapore	24	5.35	25	3.18	2.16
Spain	3	0.73	3	0.39	0.34
Sweden	17	2.98	18	1.97	1.01
Switzerland	5	3.66	6	1.15	2.51
UK	31	7.04	40	4.26	2.79
USA	88	55.66	102	60.95	-5.29
<b>Totals</b>	<b>302</b>	<b>100.00</b>	<b>361</b>	<b>100.00</b>	

### Index Characteristics

Attributes	FTSE EPRA Nareit Developed Green EU PAB	FTSE EPRA Nareit Developed
Number of constituents	302	361
Dividend Yield %	4.16	4.32
Constituent (Wgt %)		
Average	0.33	0.28
Largest	8.62	6.06
Median	0.10	0.10
Top 10 Holdings (Wgt %)	39.05	31.01

### About EPRA Nareit

The European Public Real Estate Association (EPRA) is a common interest group, which aims to promote, develop and represent the European public real estate sector. The National Association of Real Estate Investment Trusts® (Nareit) is the trade association for REITs and publicly traded real estate companies with an interest in the US property and investment markets.



© 2024 London Stock Exchange Group plc and its applicable group undertakings ("LSEG"). LSEG includes (1) FTSE International Limited ("FTSE"), (2) Frank Russell Company ("Russell"), (3) FTSE Global Debt Capital Markets Inc. and FTSE Global Debt Capital Markets Limited (together, "FTSE Canada"), (4) FTSE Fixed Income Europe Limited ("FTSE FI Europe"), (5) FTSE Fixed Income LLC ("FTSE FI"), (6) FTSE (Beijing) Consulting Limited ("WOFEE") (7) Refinitiv Benchmark Services (UK) Limited ("RBSL"), (8) Refinitiv Limited ("RL") and (9) Beyond Ratings S.A.S. ("BR"). All rights reserved.

FTSE Russell® is a trading name of FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFEE, RBSL, RL, and BR. "FTSE®", "Russell®", "FTSE Russell®", "FTSE4Good®", "ICB®", "Refinitiv", "Beyond Ratings®", "WMR™", "FR™" and all other trademarks and service marks used herein (whether registered or unregistered) are trademarks and/or service marks owned or licensed by the applicable member of LSEG or their respective licensors and are owned, or used under licence, by FTSE, Russell, FTSE Canada, FTSE FI, FTSE FI Europe, WOFEE, RBSL, RL or BR. FTSE International Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator. Refinitiv Benchmark Services (UK) Limited is authorised and regulated by the Financial Conduct Authority as a benchmark administrator.

The FTSE EPRA Nareit Global Index Series is calculated by FTSE in association with EPRA and NAREIT. EPRA® is a trade mark of European Public Real Estate Association ("Partner"). Nareit® is a trade mark of National Association of Real Estate Investment Trusts ("Partner"). All rights in and to the FTSE EPRA Nareit Global Index Series ("Index") vest in FTSE Russell® and/or its relevant Partner(s).

All information is provided for information purposes only. All information and data contained in this publication is obtained by LSEG, from sources believed by it to be accurate and reliable. Because of the possibility of human and mechanical inaccuracy as well as other factors, however, such information and data is provided "as is" without warranty of any kind. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any claim, prediction, warranty or representation whatsoever, expressly or impliedly, either as to the accuracy, timeliness, completeness, merchantability of any information or LSEG Products, or of results to be obtained from the use of LSEG products, including but not limited to indices, rates, data and analytics, or the fitness or suitability of the LSEG products for any particular purpose to which they might be put. The user of the information assumes the entire risk of any use it may make or permit to be made of the information.

No responsibility or liability can be accepted by any member of LSEG nor their respective directors, officers, employees, partners or licensors for (a) any loss or damage in whole or in part caused by, resulting from, or relating to any inaccuracy (negligent or otherwise) or other circumstance involved in procuring, collecting, compiling, interpreting, analysing, editing, transcribing, transmitting, communicating or delivering any such information or data or from use of this document or links to this document or (b) any direct, indirect, special, consequential or incidental damages whatsoever, even if any member of LSEG is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, such information.

No member of LSEG nor their respective directors, officers, employees, partners or licensors provide investment advice and nothing in this document should be taken as constituting financial or investment advice. No member of LSEG nor their respective directors, officers, employees, partners or licensors make any representation regarding the advisability of investing in any asset or whether such investment creates any legal or compliance risks for the investor. A decision to invest in any such asset should not be made in reliance on any information herein. Indices and rates cannot be invested in directly. Inclusion of an asset in an index or rate is not a recommendation to buy, sell or hold that asset nor confirmation that any particular investor may lawfully buy, sell or hold the asset or an index or rate containing the asset. The general information contained in this publication should not be acted upon without obtaining specific legal, tax, and investment advice from a licensed professional.

Past performance is no guarantee of future results. Charts and graphs are provided for illustrative purposes only. Index and/or rate returns shown may not represent the results of the actual trading of investable assets. Certain returns shown may reflect back-tested performance. All performance presented prior to the index or rate inception date is back-tested performance. Back-tested performance is not actual performance, but is hypothetical. The back-test calculations are based on the same methodology that was in effect when the index or rate was officially launched. However, back-tested data may reflect the application of the index or rate methodology with the benefit of hindsight, and the historic calculations of an index or rate may change from month to month based on revisions to the underlying economic data used in the calculation of the index or rate.

No part of this information may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the applicable member of LSEG. Use and distribution of LSEG data requires a licence from LSEG and/or its licensors.

Data definitions available from  
[info@ftserussell.com](mailto:info@ftserussell.com)

To learn more, visit [lseg.com/ftse-russell](http://lseg.com/ftse-russell);  
 email [info@ftserussell.com](mailto:info@ftserussell.com); or  
 call your regional Client Services Team office:

#### EMEA

+44 (0) 20 7866 1810

#### North America

+1 877 503 6437

#### Asia-Pacific

Hong Kong +852 2164 3333

Tokyo +81 3 6441 1430

Sydney +61 (0) 2 7228 5659