

Retail REITs

4Q23 earnings recap: conservative '24 outlooks with room to beat and raise

Price Objective Change

4Q23: strong 4Q23 results offset by conservative guides

Retail REITs reported solid 4Q results due to strong leasing activity, limited supply and minimal store closings. Out of 14 Retail REITs, 7 beat and 7 met 4Q23 Street estimates. In terms of 2024 guidance, 8 introduced in line with the Street while 6 introduced below the Street. Guidance implies flat y/y FFO growth. Given comments that this is the strongest leasing backdrop seen in years, 2024 guidance disappointed. That said, when digging into core assumptions, we view guidance as extra conservative and expect a beat-and-raise year ahead. We also estimate stronger growth in '25 as redevelopment and signed but not yet open leases come online. Finally, the Retail sector trades at an implied cap rate of ~7% which screens attractive vs. current pricing (more below).

Retail REITs see 2-3% SS NOI in 2024 vs. ~4% in 2023

2024 SS NOI guidance ranges at the midpoint imply deceleration from 2023. Key drags to 2024 SS NOI which could also serve as sources of upside are signed-not-opened stores, tenant disruption and credit loss reserves. See Exhibit 3 inside for more.

More visibility on external growth opportunities in '24

Acquisition activity was minimal in 2023 but several REITs stated they are seeing more opportunities from sellers who are either highly motivated or more accepting of pricing. After zero activity in '23, ROIC guided to \$100-300m of net acquisitions, PECO expects \$200-300m, and FRT is seeing great opportunities. Based on commentary, cap rates have tightened by 50 bps and are trending in the 6-6.5% range for grocery anchored centers with select assets in the 5% range. SITC (not covered) is in discussions to sell another \$750m of assets, most of which are power centers, at a blended 7% cap rate.

Exhibit 1: 2024 FFO/sh guidance by Retail REIT 2024 FFO/sh guidance compared with Bloomberg consensus and 2023 results

Retail REIT	2024 guidance	2024 Street	% Var.	2023 Actual	vs. initial guidance
AKR	\$1.24 - 1.32	\$1.27	0.8%	\$1.29*	\$1.17 - 1.26
BRX	\$2.06 - 2.10	\$2.09	-0.5%	\$2.04	\$1.95 - 2.03
FRT	\$6.65 - 6.87	\$6.77	-0.1%	\$6.55	\$6.38 - 6.58
IVT	\$1.69 - 1.75	\$1.71	0.6%	\$1.70	\$1.59 -1.64
KIM	\$1.54 - 1.58	\$1.62	-3.7%	\$1.57	\$1.53 - 1.57
KRG	\$2.00 - 2.06	\$2.03	0.0%	\$2.03	\$1.89 - 1.95
PECO	\$2.34 - 2.41	\$2.38	0.0%	\$2.25	\$2.23 - 2.29
REG	\$4.14 - 4.20	\$4.20	-0.7%	\$4.15	\$4.03 - 4.11
ROIC	\$1.03 - 1.09	\$1.08	-1.9%	\$1.06	\$1.05 - 1.11
SITC	not provided	NM	NM	\$1.18	\$1.10 - 1.16
UE	\$1.24 - 1.29	\$1.27	0.0%	\$1.25	\$1.11 - 1.17
SKT	\$2.01 - 2.09	\$2.04	0.5%	\$1.96	\$1.81 - 1.89
MAC	\$1.76 - 1.86	\$1.80	0.6%	\$1.80	\$1.75 - 1.85
SPG	\$11.85 - 12.10	\$12.20	-1.9%	\$12.51	\$12.15 - 12.25*

Source: Company filings, Bloomberg. *See footnotes at end of report..

BofA GLOBAL RESEARCH

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 12 to 14. Analyst Certification on page 10. Price Objective Basis/Risk on page 8.

See inside for additional 4Q23 stats, updated POs and estimate changes.

20 February 2024

Equity United States REITs

Jeffrey Spector Research Analyst BofAS +1 646 855 1363 jeff.spector@bofa.com

Lizzy Doykan Research Analyst BofAS +1 713 705 1584 lizzy.doykan@bofa.com

REITs Team BofAS

See Team Page for List of Analysts

Key terms: See inside for a full list of acronyms, tickers, and full company names.

Note: BofA does not cover Site Centers (SITC) or Urban Edge (UE)

See page 7 for acronym definitions

2024 SS NOI guidance

Exhibit 2: 2024 SS NOI guidanceMost Retail REITs introduced 2024 SS NOI growth with a range below 2023 growth

Strips	2024 SS NOI guidance	vs. 2023
AKR	5.0 - 6.0%	5.8%
BRX	2.5 - 3.5%	4.0%
FRT*	2.5 - 4.0%	4.3%
IVT	2.25 - 3.25%	4.9%
KIM	1.5 - 2.5%	2.6%
KRG*	1.0 - 2.0%	4.8%
PECO	3.25 - 4.25%	4.2%
REG	2.0 - 2.5%	3.6%
ROIC	1.0 - 2.0%	3.7%
SITC	n.a	2.6%
UE	3.0 - 5.0%	2.5%

Outlets/Malls	2024 SS NOI guidance	vs. 2023
SKT	2.0 - 4.0%	6.2%
MAC	2.25 - 3.25%	4.5%
SPG	above 3%	4.8%

Source: Company Reports, BofA Global Research.

Exhibit 3: 2024 credit loss expectationsREITs' expectations for impact to SS NOI from revenues deemed uncollectible, bad debt, and tenant disruption in 2024

Company	2024 impact	Additional notes according to the company on 2024 assumptions
AKR	150 bps	A vast majority of the 150bps reserves is related to unknown events.
BRX	75-100 bps	In addition to 75-100bps of revenues deemed uncollectible, BRX also estimates a 100bps drag primarily from large tenant disruption (including Big Lots) in 2024. This compares to 45bps of revenues deemed uncollectible + 120bps of drag from bankruptcies in 2023.
FRT	70 - 90 bps	70-90 bps reserved for bad debt expense and unexpected vacancy rent relief is in line with their historical range. This compares to their 2023 initial guidance range of 75-100bps of revenues deemed uncollectible plus 25-60 bps drag from Bed Bath and Beyond.
IVT	50-100 bps	About 40bps reserved for impact from JOANN and Rite Aid. The remainder of reserves is to unknown events.
KIM	75-125 bps	KIM had a similar level of credit loss experience in 2023
		The 100bps headwind from bad debt includes impact from lower prior period collections and normal bad debt reserves (which includes known and unknown tenant disruption). This compares with their initial 2023 outlook of 125bps bad debt and an additional 75bps of assumed disruption for Bed Bath and Party City.
KRG	100 bps	
REG	75-100 bps	Roughly half of the credit loss provision is bankruptcy related and the balance is roughly to traditional bad debt expense.
ROIC	\$3-5 million	\$3-5mn of bad debt budgeted in 2024 compares to \$3.6mn recognized in 2023.
PECO	60-80 bps	The portfolio typically runs between 60 and 80 basis points over a long period of time, and that is what assumed for 2024.
SITC	did not quantify	Not disclosed.
UE	75-100 bps	Guidance assumes that credit loss reverts to a more normalized level of 75 basis points to 100 basis points of gross revenues or approximately \$4mn. This compares to ~\$3mn received in 2023.
MAC	150 bps	Bad debt is contributing to some headwind in same center of roughly 150 basis points. Expects bad debt to normalize a little bit more relative to 2023. There is about a \$0.02 headwind in 2024 against our same center. I don't expect those to be significant in the fullness of time, but I do expect them to be a little bit larger than they were in '23, which frankly was a net reversal, and that was just a continuation of recovering some of those latent fully reserved receivables in '23" – MAC 4Q23 earnings call
SKT	"less than 50bps"	Management expects uncollectible rent as similar to the amount recognized in 2023 ("less than 50 bps to SS NOI")
SPG	did not quantify	Not disclosed.

Source: Company filings. See following exhibit for footnotes on disclosures around credit loss



4Q23 results: key stats

Exhibit 4: 4Q23 Earnings Review

7 Retail REITs met and 7 REITs beat Street estimates for 4Q23

Strips	4Q23 FFO/sh	4Q23 Street	4Q23 % Var.
AKR	\$0.28	\$0.28	0.0%
BRX	\$0.51	\$0.50	2.0%
FRT	\$1.64	\$1.64	0.0%
IVT*	\$0.41	\$0.40	2.5%
KIM	\$0.39	\$0.39	0.0%
KRG	\$0.50	\$0.49	2.0%
PECO	\$0.56	\$0.56	0.0%
REG	\$1.02	\$1.02	0.0%
ROIC	\$0.27	\$0.26	3.8%
SITC	\$0.26	\$0.26	0.0%
UE	\$0.31	\$0.30	3.3%

Outlets /	4Q23	4Q23	3Q23
Malls	FFO/sh*	Street	% Var.
SKT	\$0.52	\$0.49	6.1%
MAC	\$0.56	\$0.56	0%
SPG	\$3.67	\$3.34	9.9%

Company Reports, BofA Global Research.

*IVT's core FFO/sh estimate is reported to fairly compare with Bloomberg consensus

 $Street\ estimates\ sourced\ from\ Bloomberg\ and\ compares\ FFO/sh\ guidance\ with\ Street's\ mean\ estimate\ at\ time\ of\ earnings\ release$

BofA GLOBAL RESEARCH

Exhibit 5: 4Q23 Leasing spreads and OccupancyLeasing spreads and Quarter-end Occupancy (total and small shop) reported for 4Q23

Strips	4Q23 Leasing spread	Change Q/Q	Qtr. End Occupancy*	Occupancy Y/Y	Small shop Occupancy	Small shop Y/Y	Small shop Q/Q
AKR	13.0%	-1650 bps	94.9%	-40 bps	88.8%	+240 bps	+240 bps
BRX	19.6%	-270 bps	94.7%	+90 bps	90.3%	+110 bps	+50 bps
FRT	12.0%	+100 bps	94.2%	-30 bps	90.7%	+70 bps	0 bps
IVT	13.9%	+460 bps	96.5%	0 bps	92.5%	+120 bps	+10 bps
KIM	11.2%	-220 bps	96.2%	+50 bps	91.7%	+170 bps	+60 bps
KRG	14.5%	+30 bps	93.7%	-70 bps	90.8%	+80 bps	+60 bps
PECO	15.4%	-420 bps	97.8%	+40 bps	94.7%	+90 bps	-20 bps
REG	11.7%	+240 bps	95.7%	+60 bps	93.4%	+150 bps	+20 bps
ROIC	9.8%	-80 bps	97.7%	-30 bps	n.a	n.a.	n.a.
SITC	3.8%	-840 bps	94.5%	-90 bps	90.9%	+60 bps	-10 bps
UE	18.1%	+560 bps	96.0%	+100 bps	87.7%	n.a	+230 bps

Malls	4Q23 Leasing spread	Change Q/Q	Qtr. End Occupancy*	Occupancy Y/Y	Small shop Occupancy	Small shop Y/Y	Small shop Q/Q
SKT	13.3%	-120 bps	97.3%	30 bps	N/A	N/A	N/A
MAC	17.2%	660 bps	93.5%	90 bps	N/A	N/A	N/A
SPG	N/A	N/A	95.8%	90 bps	N/A	N/A	N/A

Source: Company Reports, BofA Global Research.



^{*}Leasing spread: blend of new and renewal rent spreads reported by Company

^{*}Quarter end occupancy refers to same store portfolio leased occupancy rate reported at the end of the period

Exhibit 6: 4Q23 SS performance4Q23 SS revenue, expense, and NOI y/y growth reported by each Retail REIT

Strips	SS rev	SS exp	SS NOI
AKR	3.4%	1.8%	4.2%
BRX	3.7%	5.3%	3.1%
FRT	2.5%	-0.4%	4.4%
IVT	1.3%	-8.6%	6.4%
KIM	2.1%	-0.6%	3.5%
KRG	0.3%	-7.1%	2.8%
PECO	3.8%	-4.2%	3.6%
REG	3.6%	10.2%	1.4%
ROIC	3.0%	2.4%	3.3%
SITC	1.7%	4.7%	0.6%
UE	-1.1%	0.7%	-1.3%
Outlets/Malls	SS rev	SS exp	SS NOI
SKT	3.8%	0.4%	5.4%
MAC	N/A	N/A	3.0%
SPG	N/A	N/A	7.3%

Source: Company Reports, BofA Global Research.

*SPG: This refers to SPG's Domestic property NOI growth

BofA GLOBAL RESEARCH

Exhibit 7: Mall / Outlet REIT tenant sales per sq. ft Mall / Outlet tenant sales per sq. ft. continued to decline

Company	1Q22	2Q22	3Q22	4Q22	1Q23	2Q23	3Q23	4Q23
Macerich Co.	\$843	\$860	\$877	\$869	\$866	\$853	\$847	\$836
Simon Property Group	NA	NA	NA	\$753	\$759	\$747	\$744	\$743
Tanger Factory Outlet	\$464	\$450	\$446	\$445	\$447	\$443	\$437	\$433

Source: Company Reports.

PO and estimate change summary

BRX (B-1-7): After updating our model for 4Q earnings, we are leaving our PO unchanged at \$26 but revising our estimates according to the table below. Our PO trades in line with our forward NAV estimate (unchanged). Our NAV assumes a cap rate of 7.0% (unchanged) applied to our updated NOI estimate based on our outlook for interest rates and current market / transaction comps.

FRT (B-1-7): After updating for 4Q earnings, we are raising our PO to \$118 from \$117. Our PO trades in line with our NAV estimate (unchanged). We derive our NAV estimate by applying a 5.9% cap rate (unchanged) to our forward NOI estimate based on our outlook for interest rates over the next year and current market/transaction comps.

KRG (B-1-7): After updating our model for 4Q earnings, we are maintaining our PO of \$27 but revising our estimates according to the table below. Our PO trades in line with our NAV estimate (unchanged). We derive our NAV estimate by applying a 7.2% cap rate to our forward NOI estimate based on our outlook for interest rates over the next year and current market/transaction comps.

MAC (C-2-8): After updating our model for 4Q earnings, we are raising our PO to \$20 from \$18. Our PO trades in line with our NAV estimate (vs. 5% before). We remove the 5% premium to NAV as we believe this is more reflective of current market conditions. We derive our NAV estimate by applying a 7.2% cap rate (vs. 6.9% prior) to our forward NOI estimate given our view of where current market / comparable assets for MAC are trading and our view of interest rates over the next year.

REG (B-1-7): After updating for 4Q earnings, we are maintaining our PO of \$70. Our PO trades at a 5% premium to NAV (unchanged). We derive our NAV estimate by applying a 5.8% cap rate (unchanged) to our forward NOI estimate based on our outlook for interest rates over the next year and current market/transaction comps.

Exhibit 8: Summary of PO Changes

Updated published price objectives after review of models

Ticker	Old PO	New PO	QRQ
BRX	\$26.00	\$26.00	B-1-7
FRT	\$117.00	\$118.00	B-1-7
KRG	\$27.00	\$27.00	B-1-7
MAC	\$18.00	\$20.00	C-2-8
REG	\$70.00	\$70.00	B-1-7

Source: BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 9: Summary of estimate changes

Updated published estimates after review of models

	20	23E	20	24E	20	25E	202	26E	202	27E
Ticker	Old	New								
BRX	\$2.03	\$2.04	\$2.09	\$2.09	\$2.24	\$2.17	\$2.45	\$2.28	\$2.61	\$2.37
FRT	\$6.55	\$6.52	\$6.75	\$6.79	\$7.08	\$7.07	\$7.31	\$7.32	\$7.84	\$7.84
KRG	\$2.01	\$2.03	\$2.02	\$2.04	\$2.08	\$2.09	\$2.14	\$2.16	\$2.22	\$2.24
MAC	\$1.79	\$1.80	\$1.83	\$1.83	\$1.92	\$1.90	\$2.11	\$2.02	\$2.24	\$2.20
REG	\$4.14	\$4.15	\$4.21	\$4.20	\$4.42	\$4.38	\$4.64	\$4.53	\$4.86	\$4.71

Source: BofA Global Research estimates



Footnotes to Exhibit 1:

SPG: 2023 initial guidance is noted as FFO/sh guidance provided during 3Q23 earnings as SPG's initial 2023 guidance was provided on a Comparable FFO/sh basis only. AKR's actual 2023 FFO/sh includes a 8c of a non-cash gain from terminating a below-market Bed Bath & Beyond lease.

Abbreviations:

Acadia Realty (AKR)

Brixmor (BRX)

Federal Realty (FRT)

InvenTrust (IVT)

Kimco (KIM)

Kite Realty (KRG)

Phillips Edison (PECO)

Regency (REG)

Retail Opportunity Investments Corp. (ROIC)

Site Centers (SITC; uncovered by BofA)

Simon Property Group (SPG)

Tanger Outlets (SKT)

Urban Edge (UE, uncovered by BofA)

Macerich Co. (MAC)



Exhibit 10: Companies mentioned

Companies mentioned in this report

BofA Ticker	Bloomberg ticker	Company name	Price	Rating
AKR	AKR US	Acadia Realty	US\$ 16.85	B-2-7
BRX	BRX US	Brixmor	US\$ 23.13	B-1-7
FRT	FRT US	Federal Realty	US\$ 100.42	B-1-7
IVT	IVT US	InvenTrust	US\$ 25.64	C-2-7
KIM	KIM US	Kimco Realty	US\$ 19.63	B-1-7
KRG	KRG US	Kite Realty Group	US\$ 21.48	B-1-7
MAC	MAC US	Macerich	US\$ 17.22	C-2-8
PECO	PECO US	Phillips Edison	US\$ 34.55	B-1-7
REG	REG US	Regency	US\$ 60.81	B-1-7
ROIC	ROIC US	Retail Oppty Invest.	US\$ 12.82	B-2-7
SPG	SPG US	Simon Property	US\$ 149.96	B-1-7
SKT	SKT US	Tanger Factory	US\$ 28.64	C-3-7

Source: BofA Global Research

BofA GLOBAL RESEARCH

Price objective basis & risk

Acadia Realty Trust (AKR)

Our \$18 price objective assumes the stock trades in line with our forward NAV estimate. We apply a 6.1% cap rate to our forward NOI estimate. We use a 6.1% cap rate for AKR based on our view of interest rates over the next year, current private market/transaction comps and the market exposure of AKR. The risks to AKR achieving our price objective are a significant downturn in retail sales, a rise in retailer bankruptcies, and a sharp increase in long-term interest rates. Upside risks to our price objective are a faster and stronger-than-expected macroeconomic recovery and higher acquisition volume than anticipated

Brixmor Property Group (BRX)

Our \$26 price objective assumes that the stock trades in line with our forward NAV. We apply a 7.0% cap rate to our forward NOI estimate. The cap rate for BRX is based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of BRX. Downside risks to BRX achieving our price objective are a significant downturn in retail sales, a rise in retailer bankruptcies, and a sharp increase in long-term interest rates. Upside risks to our price objective are a faster and stronger-than-expected macroeconomic recovery and a faster pace in upgrading the quality of the portfolio.

Federal Realty (FRT)

Our \$118 price objective assumes the stock trades in line with our forward NAV estimate. We apply a 5.9% cap rate to our forward NOI estimate. We use a 5.9% cap rate for FRT based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of FRT. The risks to FRT achieving our price objective are a significant downturn in retail sales, a rise in retailer bankruptcies, and a sharp increase in long-term interest rates. Upside risks to our price objective are a faster and stronger-than-expected macro-economic recovery and higher acquisition volume than anticipated.

InvenTrust Properties (IVT)

Our \$28 price objective assumes that the stock trades in line with our forward NAV estimate. We apply a 6.4% cap rate to our forward forward NOI estimate. Our cap rate for IVT is based on the current transaction market for grocery-anchored shopping centers, IVT's exposure to different markets, and our outlook on interest rates over the next year. Upside and downside risks to our PO are: ability to source accretive acquisitions, higher / lower interest rates, stronger / weaker operating conditions, stronger / weaker demographics of the Sun Belt and access to capital.



Kimco Realty (KIM)

Our \$25 price objective assumes the stock trades at a 5% premium to our forward NAV estimate given KIM's scale, strong management team, and flexible balance sheet.. We apply a 6.1% cap rate to our forward NOI estimate. We use a 6.1% cap rate for KIM based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of KIM. The risks to KIM achieving our price objective are a significant slowdown in retail sales, a rise in retailer bankruptcies and a sharp increase in long-term interest rates. Upside risk to our price objective is a faster and stronger-than-expected macro-economic recovery.

Kite Realty Group (KRG)

Our \$27 PO assumes the stock trades in line with our forward NAV estimate. We apply a 7.2% cap rate to our forward NOI estimate. We use a 7.2% cap rate for KRG based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of KRG. Downside risks to KRG achieving our price objective are a significant downturn in retail sales, a rise in retailer bankruptcies, and a sharp increase in long-term interest rates. Upside risks to our price objective are a faster and stronger-than-expected recovery in the retail market and a faster pace in upgrading the quality of the portfolio recovery.

Macerich (MAC)

Our \$20 price objective assumes the stock trades in line with our forward NAV estimate based on our view of better balance sheet management given recent debt deals. To get to our forward NAV we apply a 7.2% cap rate to our forward NOI estimate. We use 7.2% cap rate for MAC based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of MAC. The risks to MAC achieving our price objective are a significant slowdown in retail sales, a rise in retailer bankruptcies and a sharp increase in long-term interest rates. Upside risk to our price objective is a faster than expected macro-economy recovery.

Phillips Edison & Company (PECO)

Our \$41 price objective assumes that the stock trades at a 5.0% premium to our forward NAV estimate. We apply a 6.4% cap rate to our forward NAV estimate. Our cap rate for PECO is based on current private market / transactions comps, PECO's market exposure, and our view of interest rates over the next year. Upside and downside risks to our PO include: access to financing, lower/higher interest rates, better/worse than expected operating conditions, redevelopment yields above/below our expectations, and the pace and volume of acquisitions on grocery-anchored neighborhood shopping centers.

Regency (REG)

Our \$70 price objective for REG assumes the stock trades in line with our forward NAV estimate. We apply a 5.8% cap rate to our forward NOI estimate. We use a 5.8% cap rate for REG based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of REG. The downside risks to our price objective are: higher interest rates, a sharp downturn in consumer spending, an increase in retail bankruptcies, and a major dislocation in the grocery business, which impacts tenant demand. Upside risks to our price objective are a faster than expected economic recovery and a significant pick-up in lending to small businesses.

Retail Opportunity Investments Corp. (ROIC)

Our \$16 PO trades at a -5% discount to our forward NAV estimate given store closings risk posed by Rite Aid. We apply a 6.4% cap rate to our forward NOI estimate based on our view of interest rates over the next year, current transaction comps, and the market exposure of ROIC.

Downside risks to ROIC achieving our price objective are a significant downturn in retail sales, a rise in retailer bankruptcies, and a sharp increase in long-term interest rates.



Upside risks to our price objective are a faster and stronger-than-expected recovery in the retail market and a faster pace in upgrading the quality of the portfolio recovery.

Simon Property (SPG)

Our \$167 price objective assumes the stock trades at a 10% premium to our forward NAV estimate based on our view of better balance sheet management and strong management. We apply a 7.0% cap rate to our forward NOI estimate. We use 7.0% for SPG based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of SPG. The risks to SPG achieving our price objective are a significant slowdown in retail sales, a rise in retailer bankruptcies and significantly higher long-term interest rates. Upside risk to our price objective is a faster- and stronger-than-expected macro-economic recovery.

Tanger Factory (SKT)

Our \$24 price objective for SKT assumes that the stock trades at a -5% discount to NAV estimate given our view of risks to SKT's growth from consumer pressures. We apply a 9.0% cap rate to our forward NOI estimate. We use a 9.0% cap rate for SKT based on our view of interest rates over the next year, current private market/transaction comps, and the market exposure of SKT. The downside risks to our price objective are a pullback in consumer spending, a sharp increase in long-term interest rates, and more store closings caused by tenant bankruptcies & restructuring. Upside risks to our price objective are a steady supply of development opportunities and higher tenant demand for outlet space.

Analyst Certification

I, Jeffrey Spector, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.



US - REITs Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY	A D II C	400	ADCHIC	
	Agree Realty Corp	ADC	ADC US	Joshua Dennerlein
	Alexandria Real Estate Equities	ARE	ARE US	Joshua Dennerlein
	American Homes 4 Rent	AMH	AMH US	Jeffrey Spector
	Americold Realty Trust	COLD	COLD US	Joshua Dennerlein
	AvalonBay Communities Inc	AVB	AVB US	Joshua Dennerlein
	Boston Properties	BXP	BXP US	Jeffrey Spector
	Brixmor Property Group	BRX	BRX US	Jeffrey Spector
	COPT Defense Properties	CDP	CDP US	Camille Bonnel
	Cousins Properties Inc.	CUZ	CUZ US	Camille Bonnel
	EastGroup Properties	EGP	EGP US	Jeffrey Spector
	Empire State Realty Trust	ESRT	ESRT US	Camille Bonnel
	Equity Residential	EQR	EQR US	Jeffrey Spector
		EPRT	EPRT US	
	Essential Properties			Joshua Dennerlein
	Federal Realty	FRT	FRT US	Jeffrey Spector
	Invitation Homes Inc	INVH	INVH US	Joshua Dennerlein
	Kimco Realty	KIM	KIM US	Jeffrey Spector
	Kite Realty Group	KRG	KRG US	Jeffrey Spector
	Phillips Edison & Company	PECO	PECO US	Jeffrey Spector
	Prologis, Inc.	PLD	PLD US	Camille Bonnel
	Public Storage, Inc.	PSA	PSA US	Jeffrey Spector
	Regency	REG	REG US	Jeffrey Spector
	Rexford Industrial Realty	REXR	REXR US	Camille Bonnel
	Sabra Health Care	SBRA	SBRA US	Joshua Dennerlein
		SPG		•
	Simon Property		SPG US	Jeffrey Spector
	Ventas, Inc.	VTR	VTR US	Jeffrey Spector
	Welltower	WELL	WELL US	Joshua Dennerlein
IEUTRAL				
	Acadia Realty Trust	AKR	AKR US	Jeffrey Spector
	•			
	CubeSmart	CUBE	CUBE US	Jeffrey Spector
	EPR Properties	EPR	EPR US	Joshua Dennerlein
	Equity LifeStyle Properties	ELS	ELS US	Jeffrey Spector
	Essex Property Trust, Inc.	ESS	ESS US	Joshua Dennerlein
	Extra Space Storage, Inc.	EXR	EXR US	Jeffrey Spector
	Getty Realty Corp.	GTY	GTY US	Joshua Dennerlein
	Highwoods Properties	HIW	HIW US	Camille Bonnel
	InvenTrust Properties	IVT	IVT US	Jeffrey Spector
	Kilroy Realty Corporation	KRC	KRC US	Camille Bonnel
	Macerich	MAC	MAC US	Jeffrey Spector
	OMEGA Healthcare	OHI	OHI US	
				Joshua Dennerlein
	Realty Income	0	O US	Jeffrey Spector
	Retail Opportunity Investments Corp.	ROIC	ROIC US	Jeffrey Spector
	SL Green Realty	SLG	SLG US	Camille Bonnel
	Sun Communities	SUI	SUI US	Joshua Dennerlein
	UDR, Inc.	UDR	UDR US	Joshua Dennerlein
	Veris Residential Inc	VRE	VRE US	Joshua Dennerlein
	Vornado Realty	VNO	VNO US	Camille Bonnel
NDEDDEDEDE	,			
NDERPERFORM				
	American Assets Trust	AAT	AAT US	Camille Bonnel
	Armada Hoffler Properties	AHH	AHH US	Camille Bonnel
	Camden Property Trust	CPT	CPT US	Joshua Dennerlein
	Douglas Emmett	DEI	DEI US	Camille Bonnel
	Healthpeak Properties, Inc.	PEAK	PEAK US	Joshua Dennerlein
	Hudson Pacific Properties, Inc.	HPP	HPP US	Camille Bonnel
	Kennedy Wilson	KW	KW US	Joshua Dennerlein
	LXP Industrial Trust	LXP	LXP US	Camille Bonnel
	Medical Properties Trust, Inc.	MPW	MPW US	Joshua Dennerlein
	Mid-America Apartment Communities, Inc.	MAA	MAA US	Joshua Dennerlein
	National Storage Affiliates Trust	NSA	NSA US	Jeffrey Spector
	NetSTREIT	NTST	NTST US	Joshua Dennerlein
	NNN REIT Inc	NNN	NNN US	Joshua Dennerlein
	Paramount Group	PGRE	PGRE US	Camille Bonnel
	Peakstone Realty Trust	PKST	PKST US	Joshua Dennerlein
	. candidate meanly made	11131	11.31 03	jos. ida Derinerielli



US - REITs Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
	Tanger Factory	SKT	SKT US	Jeffrey Spector
	WP Carey	WPC	WPC US	Joshua Dennerlein

Disclosures

Important Disclosures

Equity Investment Rating Distribution: REITs (Real Estate Investment Trusts) Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	40	46.51%	Buy	33	82.50%
Hold	27	31.40%	Hold	21	77.78%
Sell	19	22.09%	Sell	16	84.21%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating	Total return expectation (within 12-month period of date of initial rating)	Ratings dispersion guidelines for coverage cluster ^{R2}
Buy	≥ 10%	≤ 70%

 Buy
 ≥ 10%
 ≤ 70%

 Neutral
 ≥ 0%
 ≤ 30%

 Underperform
 N/A
 ≥ 20%

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: Acadia Realty, Brixmor, Federal Realty, InvenTrust, Kimco Realty, Kite Realty Group, Macerich, Phillips Edison, Regency, Retail Oppty Invest, Simon Property, Tanger Factory.

BofAS or an affiliate was a manager of a public offering of securities of this issuer within the last 12 months: Acadia Realty, Federal Realty.

The issuer is or was, within the last 12 months, an investment banking client of BofAS and/or one or more of its affiliates: Acadia Realty, Brixmor, Federal Realty, InvenTrust, Kimco Realty, Kite Realty Group, Phillips Edison & Co, Regency, Retail Oppty Invest., Simon Property Group, Tanger Inc.

BofAS or an affiliate has received compensation from the issuer for non-investment banking services or products within the past 12 months: Acadia Realty, Brixmor, Federal Realty, InvenTrust, Kimco Realty, Kite Realty Group, Phillips Edison & Co, Regency, Retail Oppty Invest., Simon Property Group, Tanger Inc.

The issuer is or was, within the last 12 months, a non-securities business client of BofAS and/or one or more of its affiliates: Acadia Realty, Brixmor, Federal Realty, InvenTrust, Kimco Realty, Kite Realty Group, Macerich, Phillips Edison & Co, Regency, Retail Oppty Invest., Simon Property Group, Tanger Inc.

BofAS or an affiliate has received compensation for investment banking services from this issuer within the past 12 months: Acadia Realty, Brixmor, Federal Realty, Kimco Realty, Kite Realty Group, Phillips Edison & Co, Regency, Retail Oppty Invest., Simon Property Group, Tanger Inc.

BofAS or an affiliate expects to receive or intends to seek compensation for investment banking services from this issuer or an affiliate of the issuer within the next three months: Acadia Realty, Brixmor, Federal Realty, InvenTrust, Kimco Realty, Kite Realty Group, Phillips Edison & Co, Regency, Simon Property Group, Tanger Inc.

BofAS together with its affiliates beneficially owns one percent or more of the common stock of this issuer. If this report was issued on or after the 9th day of the month, it reflects the ownership position on the last day of the previous month. Reports issued before the 9th day of a month reflect the ownership position at the end of the second month preceding the date of the report: Federal Realty, Kimco Realty, Kitce Realty Group.

BofAS or one of its affiliates is willing to sell to, or buy from, clients the common equity of the issuer on a principal basis: Acadia Realty, Brixmor, Federal Realty, InvenTrust, Kimco Realty, Kite Realty Group, Macerich, Phillips Edison, Regency, Retail Oppty Invest., Simon Property, Tanger Factory.

The issuer is or was, within the last 12 months, a securities business client (non-investment banking) of BofAS and/or one or more of its affiliates: Acadia Realty, Brixmor, Federal Realty, InvenTrust, Kimco Realty, Kite Realty Group, Regency, Simon Property Group, Tanger Inc.

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.



Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

Other Important Disclosures

From time to time research analysts conduct site visits of covered issuers. BofA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments. Refer to BofA Global Research policies relating to conflicts of interest.

'BofA Securities' includes BofA Securities, Inc. ('BofAS') and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. 'BofA Securities' is a global brand for BofA Global Research.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at www.bofaml.com/BofASEdisclaimer; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch (Australia): Merrill Lynch (Hong Kong): Merrill (Hong Kong): Merrill Lynch (Hong Kong): Merrill (Hong Kong): Merr (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Mexico): Merrill Mexico): Merrill Lynch (Mexico): Merrill Lynch (Mexico): Merrill Lynch (Mexico): Merrill Lynch (Me de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch (I Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch (S.A. Corretora de Títulos e Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information in Germany and is regulated by BaFin, the ECB and the CBl. BofA Securit

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or

financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

BofA ESGMeter Methodology:

ESGMeter is a proprietary metric based on quantitative analysis and fundamental analyst inputs that reflects our assessment of a company's Environmental, Social and Governance-related attributes. The ESGMeter is intended to indicate a company's likelihood of experiencing stronger financial stability (higher return on equity and lower earnings and price volatility) over the next three years relative to peer group. There are three ESGMeter levels - Low, Medium, and High - which indicate whether a company has attributes most likely to translate into superior financial stability (in the case of a High level) or weaker financial stability (in the case of a Low level) over the next three years relative to its peer group. A Medium level suggests that a company exhibits ESG characteristics that are likely associated with financial stability results in line with its peer group over the next three years. Full details of our methodology, financial stability definition and disclaimers are available at BofA ESGMeter methodology. ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of the BofA Global Research fundamental equity analyst's investment rating, volatility risk rating, income rating or price objective for that company.

Copyright and General Information:

Copyright 2024 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities have not been prepared as nor is disclose certain client relationships with, or compensation received from, such issuers. To the extent this material draws and legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public information. Facts and views presented in this material that relate to any such proceedings have not been revi

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BofA Securities policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment recommendation current.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this



information.

Research Analysts

Jeffrey Spector Research Analyst BofAS +1 646 855 1363 jeff.spector@bofa.com

Joshua Dennerlein

Research Analyst BofAS +1 646 855 1681 joshua.dennerlein@bofa.com

Camille Bonnel >> Research Analyst Merrill Lynch (Canada) +1 646 855 5042 camille.bonnel@bofa.com

Lizzy Doykan

Research Analyst +1 713 705 1584 lizzy.doykan@bofa.com

Daniel Byun

Research Analyst BofAS +1 646 855 3195 daniel.byun@bofa.com

Steven Song Research Analyst BofAS +1 646 855 0049 huainan.song@bofa.com

Andrew Berger

Research Analyst +1 646 855 1589 andrew.berger2@bofa.com

Farrell Granath

Research Analyst BofAS +1 646 855 1351 farrell.granath@bofa.com

REITs Team

>> Employed by a non-US affiliate of BofAS and is not registered/qualified as a research analyst under the FINRA rules. Refer to "Other Important Disclosures" for information on certain BofA Securities entities that take responsibility for the information herein in particular jurisdictions.

