

US Performance Monitor

What recession? Everything rallied in 1Q

Quantitative Analysis

All major assets gained...

1Q marked a stark reversal of 2022, with all major asset classes rising. The S&P 500 gained 7.5% in total return, posting strong back-to-back quarterly gains (+7.6% in 4Q). Int'l equities lagged, but rose 6.3% in local currency and 7.0% in USD. LT Treasuries also rallied, +6.0%, with the 10-yr yield falling 40bp, the biggest quarterly drop since COVID. And despite recession risk, the IG credit spread only widened by 7bp and investment-grade corp. bonds gained 3.4%. Gold rose 8.7%, while cash returned 1.1%.

...and the Nasdaq is now in a bull market

Mega-cap Growth stocks were the biggest leaders in 1Q boosted by lower rates. The 50 biggest stocks in the S&P 500 ("Nifty 50") jumped 11.6% vs. just 2.3% for the other 450 stocks – the equal-weighted S&P 500 (+1.1%) underperformed the cap-weighted index as a result. Similarly, the Nasdaq 100 soared 20.8% in 1Q, entering a bull market. But we don't think a lower risk-free rate alone is a strong reason to get bullish on equities, if it's driven by a deteriorating growth outlook leading to a wider risk premium (see Snippet). Historically, a Fed easing cycle (i.e. lower 2-yr yield) combined with a credit tightening cycle (i.e. wider IG credit spread) has been the worst phase for equities. But broad pessimism on equities could be a big tailwind for stocks (see SSI).

Bifurcated banks, cyclicals & defensives lagged

Financials (-6.0%) was the worst-performing sector as a regional bank issues unfolded. But the spread between large and small financials was among the widest we have seen (+4.4ppt, 91^{st} percentile since 1996) and within the sector, the regulated companies which make up 25% outperformed regional banks (10% of the sector) by a remarkable 12.5ppt in 1Q. Energy was 2nd worst (-5.6%) on lower oil (WTI -5.7%) (but has bounced ~5% today). Interestingly, defensives also lagged despite impressions of rising recession risk, with Health Care (-4.7%) and Utilities (-4.0%) posting loses, while Staples was effectively flat (+0.2%). The three long-duration sectors posted strong gains: Tech +21.5%, Comm. Svcs. +20.2% and Cons. Disc. +15.8% as 10yr real rates dropped 39bp.

Profitability and Risk factors led; Value lagged

Profitability-based Quality factors (ROE, ROC, ROA) were the best performing factor group, as profitable mega caps rallied. But overall, it was a risk-on rally, with Low Quality stocks (B or worse in S&P quality rating, based on earnings and dividend stability) and Risk factors outperforming. Value was the worst performing factor group in 1Q.

Worst month for small vs. large since March 2020

Small caps were the worst-performing size segment in March (Russell 2000 -4.8% vs. Russell MidCap -1.5% and Russell 1000 +3.2%), underperforming large by the widest margin since March 2020. The size segment lagged in both halves of the month; we turned tactically cautious on small caps in mid-March (note).

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

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 31 to 33.

Timestamp: 04 April 2023 04:45AM EDT

04 April 2023

Quantitative Strategy United States

Savita Subramanian Equity & Quant Strategist

+1 646 855 3878 savita.subramanian@bofa.com

Ohsung Kwon, CFA Equity & Quant Strategist BofAS +1 646 855 1683 ohsung.kwon@bofa.com

Alex Makedon Cross-Asset & Quant Strategist BofAS +1 646 855 5982 alex.makedon@bofa.com

Jill Carey Hall, CFA Equity & Quant Strategist BofAS +1 646 855 3327 jill.carey@bofa.com

Victoria Roloff Equity & Quant Strategist BofAS +1 646 743 6339 victoria.roloff@bofa.com

Nicolas Woods Equity & Quant Strategist BofAS +1 646 556 4179 nicolas.woods_barron@bofa.com

Asset Performance

Table 1: Monthly asset class based total returns

Asset Mix Performance (Total Return) as of 3/31/2023

	1 M	3 M	6 M	12 M	YTD	2 Yr	3 Yr	5 Yr	10 Yr
S&P 500	3.67	7.50	15.62	-7.73	7.50	6.71	66.84	69.94	217.36
BofA S&P 500 (Eq. Wgt.)	-0.84	3.09	14.90	-6.32	3.09	5.56	81.70	58.67	191.24
3-Month T-Bill	0.43	1.07	1.93	2.50	1.07	2.57	2.69	7.23	9.05
Long-Term Treas. Bonds	4.78	6.04	5.62	-15.37	6.04	-16.37	-29.85	-0.94	17.20
Investment Grade Corp. Bonds	2.56	3.45	7.10	-5.19	3.45	-9.28	-0.84	8.62	26.12
Gold	7.95	8.68	17.82	1.85	8.68	16.97	21.71	48.79	23.24
CBOE VIX	-9.66	-13.71	-40.86	-9.05	-13.71	-3.61	-65.07	-6.36	47.24
CPI (Feb)	0.56	1.05	1.58	6.04	0.71	14.38	16.30	20.82	29.58

Source: BofA US Equity & Quant Strategy

Source: BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

Major Market Indices

Table 2: Monthly Index based price returns

Market Index Performance (Absolute Price Return) - 3/31/2023

Price	Performa	ance %	Change
-------	----------	--------	--------

	Index	1 M	3 M	6 M	12 M	YTD
Dow Jones Industrials	33,274.15	1.89	0.38	15.83	-4.05	0.38
S&P 500	4,109.31	3.51	7.03	14.61	-9.29	7.03
S&P Financials	535.28	-9.74	-6.05	6.12	-16.05	-6.05
S&P Utilities	344.01	4.62	-4.04	3.45	-9.02	-4.04
S&P Midcap	2,512.16	-3.41	3.36	14.01	-6.74	3.36
S&P Smallcap	1,182.07	-5.38	2.12	11.00	-10.35	2.12
Value Line	558.68	-2.44	4.16	13.65	-12.18	4.16
NASDAQ Comp	12,221.91	6.69	16.77	15.57	-14.05	16.77
NASDAQ Ind	8,357.49	3.03	13.74	3.20	-20.46	13.74
NASDAQ 100	13,181.35	9.46	20.49	20.14	-11.17	20.49
Russell 1000	2,253.36	3.00	7.00	14.25	-9.91	7.00
Russell 2000	1,802.48	-4.98	2.34	8.28	-12.93	2.34
Russell 3000	2,366.27	2.51	6.73	13.89	-10.09	6.73
Wilshire 5000	40,708.41	2.53	6.92	13.59	-10.74	6.92
MSCI EAFE ® (in USD)	2,092.60	1.89	7.65	25.95	-4.08	7.65

Source: BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

Table 3: Monthly index based total returns for Dow Jones, S&P500 and Nasdaq

Total Return - Price Change Plus Dividend as of 3/31/2023

	1 M	3 M	6 M	12 M	YTD
DJIA	2.08	0.93	17.08	-2.03	0.93
S&P 500	3.66	7.47	15.55	-7.81	7.47
Nasdaq Composite Index	6.78	17.13	16.19	-13.16	17.13

 $\textbf{Source:} \ \, \mathsf{BofA} \ \, \mathsf{US} \, \mathsf{Equity} \, \, \& \, \mathsf{Quant} \, \, \mathsf{Strategy}$

BofA GLOBAL RESEARCH

Table 4: Monthly total index returns for Dow Jones, S&P500, S&P Utilities and Nasdaq

Total Return - Dividends Reinvested as of 3/31/2023

	1 M	3 M	6 M	12 M	YTD
DJIA	2.08	0.93	17.09	-1.98	0.93
S&P 500	3.67	7.50	15.62	-7.73	7.50
S&P Util	4.92	-3.24	5.11	-6.21	-3.24
Nasdag Comp.	6.78	17.05	16.14	-13.25	17.05

Source: BofA US Equity & Quant Strategy

$Table\ 5: Yearly\ total\ index\ returns\ for\ Dow\ Jones, S\&P500, S\&P\ Utilities\ and\ Nasdaq$

Total Return - Dividends Reinvested as of 3/31/2023

	2	Yr	3	Yr	5	Yr	10 Yr		
	Gross	Anlzd	Gross	Anlzd	Gross	Anlzd	Gross	Anlzd	
Dow Jones Industrials	4.99	2.47	61.45	17.31	53.94	9.01	187.46	11.14	
S&P 500	6.71	3.30	66.84	18.60	69.94	11.19	217.36	12.24	
S&P Utilities	12.49	6.06	34.33	10.34	58.06	9.59	144.95	9.37	
Nasdaq Composite Index	-7.74	-3.95	58.72	16.65	73.03	11.59	274.04	14.10	

Source: BofA US Equity & Quant Strategy, FactSet

BofA GLOBAL RESEARCH

Sectors, Quality Indices, and Strategies

Table 6: Monthly absolute price returns based on GICS sectors, BofA Quality parameter and select strategies

Sectors, Quality Indices, and Selected Strategies' Performance (Absolute Price Return) – 3/31/2023

						2 Year Pe	rtormance	3 Year Pei	tormance
	1 M	3 M	6 M	12 M	YTD	Gross	Anlzd	Gross	Anlzd
S&P 500 Sectors									
Energy	-0.5	-5.57	14.90	9.10	-5.57	71.65	31.01	184.20	41.65
Materials	-1.3	3.75	18.74	-8.23	3.75	2.67	1.33	79.33	21.49
Industrials	0.6	3.03	22.27	-1.59	3.03	2.96	1.47	71.62	19.73
Consumer Discretionary	3.0	15.76	3.71	-20.42	15.76	-13.20	-6.83	46.76	13.64
Consumer Staples	3.8	0.16	12.16	-1.40	0.16	11.57	5.63	39.27	11.67
Health Care	2.1	-4.72	7.04	-5.27	-4.72	11.06	5.38	46.26	13.51
Financials	-9.7	-6.05	6.12	-16.05	-6.05	-5.38	-2.73	54.69	15.65
Real Estate	-2.1	1.04	3.91	-22.37	1.04	-4.95	-2.51	22.25	6.93
Information Technology	10.9	21.49	26.88	-5.55	21.49	13.21	6.40	86.58	23.11
Communication Services	10.4	20.18	18.22	-18.53	20.18	-19.96	-10.53	27.39	8.40
Utilities	4.6	-4.04	3.45	-9.02	-4.04	5.77	2.84	22.09	6.88
BofA Investment Strategy Selected Pro	oprietary Indices (Price Per	formance as of	March 2023)					
				•		2 Voar Pa	rformance	3 Vear Per	formance

						<u> 2 Year Pe</u>	<u>rformance</u>	<u> 3 Year Per</u>	<u>formance</u>
Quality Indices (1)	1 M	3 M	6 M	12 M	YTD	Gross	Anlzd	Gross	Anlzd
A+	1.17%	1.18%	11.62%	-3.85%	1.18%	4.40%	2.17%	61.92%	17.43%
A	-1.07%	-0.84%	9.55%	-9.08%	-0.84%	-0.59%	-0.30%	55.50%	15.85%
A-	-0.98%	0.85%	13.41%	-3.35%	0.85%	7.07%	3.47%	77.87%	21.16%
B+	-3.12%	-0.67%	9.70%	-10.23%	-0.67%	-2.99%	-1.51%	76.92%	20.95%
В	-3.06%	-0.12%	10.06%	-14.71%	-0.12%	-8.62%	-4.41%	71.50%	19.70%
B-	-3.35%	0.76%	12.23%	-11.59%	0.76%	3.92%	1.94%	170.56%	39.34%
C&D	-5.21%	3.91%	8.60%	-15.55%	3.91%	-8.48%	-4.33%	93.61%	24.64%
Not Ranked	-4.83%	5.36%	2.74%	-21.19%	5.36%	-39.17%	-22.01%	28.57%	8.74%
B+ or Better	-1.96%	-0.21%	10.66%	-8.06%	-0.21%	0.21%	0.10%	72.08%	19.83%
B or Worse	-4.36%	3.63%	6.10%	-17.80%	3.63%	-25.78%	-13.85%	58.13%	16.50%
"Nifty 50"† & "Not-So-Nifty 450"‡ Indices									
Nifty 50 (Market Wgt.)	6.88%	11.56%	14.52%	-11.80%	11.56%	3.70%	1.83%	55.61%	15.88%
Not-So-Nifty 450 (Market Wgt.)	-0.09%	2.28%	14.64%	-6.32%	2.28%	3.08%	1.53%	62.88%	17.66%
Nifty 50 (Equal Wgt.)	4.34%	6.68%	16.28%	-7.98%	6.68%	3.05%	1.51%	49.59%	14.37%
Not-So-Nifty 450 (Equal Wgt.)	-1.57%	2.20%	13.66%	-7.87%	2.20%	2.34%	1.16%	75.98%	20.73%
S&P 500 Equal Weighted (Price)	-0.98	2.66	13.94	-7.85	2.66	2.45	1.22	73.31	20.12
S&P 500 Index (Price)	3.51	7.03	14.61	-9.29	7.03	3.43	1.70	58.99	16.71

Source: BofA US Equity & Quant Strategy, Standard & Poor's. Note: † S&P 500 Top 50 by Market Cap, rebalanced monthly; ‡ S&P 500 Bottom 450 by Market Cap, rebalanced monthly
For the BofA Quality indices, each month we group all of the stocks in the BofA US research coverage universe based on their Standard and Poor's quality ranking. The returns shown are calculated based on the subsequent months' average price return of each group assuming monthly rebalancing



Factor Performance

Exhibit 1: Monthly S&P 500 universe-based strategies performance Strategies Performance (Absolute Price Return) — 3/31/2023

2	Yr Perf.	3 Y	r Perf.	5 Yr	Perf.

							Z Yr	Peri.	3 Yr	ren.	o ir	Peri.	I	
Strategies (Universe based on the S&P 500)		1 M	3 M	6 M	12 M	VTD	Gross	Anlzd	Groce	Anlad	Groce	Anlzd	Inception Date	Backtest Period
	Ouglity				-3.9		6.9	3.4	79.2	21.5				
ROE (5-Yr Avg. Adj. by Debt)	Quality Risk	6.6 0.0	16.8 12.0	25.1 28.2	-3.9 0.3	16.8 12.0	16.6	3.4 8.0	183.9	41.6	77.6 37.0	12.2 6.5	4/30/1997 12/31/1988	2/86 - 4/97
High EPS Estimate Dispersion High Foreign Exposure	Miscellaneous	2.3	10.8	28.7	0.0	10.8	9.8	4.8	104.0	26.8	76.1	12.0	12/31/1988	- 2/86 - 12/88
ROE (1-Yr Avg. Adj. by Debt)	Quality	3.2	9.7	18.2	-6.9	9.7	0.4	0.2	60.8	17.2	53.5	9.0	4/30/1997	2/86 - 4/97
Most Active	Technical	0.2	9.3	19.1	-8.2	9.3	2.6	1.3	101.9	26.4	66.5	10.7	8/31/2003	4/86 - 8/03
Institutional Neglect	Miscellaneous	1.9	9.1	21.5	-4.9	9.1	3.7	1.8	73.3	20.4	58.5	9.7	12/31/1988	2/86 - 12/88
High Duration	Growth	4.3	8.3	19.1	-9.2	8.3	0.0	0.0	56.2	16.0	58.5	9.6	12/31/1988	2/86 - 12/88
ROA	Quality	3.0	8.2	19.6	-5.6	8.2	4.0	2.0	63.8	17.9	68.2	11.0	4/30/1997	2/86 - 4/97
ROC	Quality	2.5	8.0	21.5	-4.2	8.0	5.7	2.8	58.2	16.5	65.3	10.6	4/30/1997	2/86 - 4/97
S&P 500 Index (Price Return)	Benchmark	3.5	7.0	14.6	-9.3	7.0	3.4	1.7	59.0	16.7	55.6	9.3	1,50,1551	-
ROE (5-Yr Average)	Quality	2.2	6.3	18.9	1.3	6.3	10.4	5.1	72.2	19.9	56.9	9.4	4/30/1997	2/86 - 4/97
ROE (1-Yr Average)	Quality	1.8	6.2	19.5	-1.0	6.2	12.5	6.1	78.7	21.3	67.1	10.8	4/30/1997	2/86 - 4/97
Share Repurchase	Corp Cash Deployment	-2.8	4.2	17.8	-4.0	4.2	9.6	4.7	90.0	23.9	40.4	7.0	12/31/2004	4/86 - 12/04
High Beta	Risk	-6.5	4.2	17.0	-10.3	4.2	5.4	2.7	147.9	35.3	49.7	8.4	12/31/1988	2/86 - 12/88
Upward Estimate Revisions	Growth	0.1	4.1	19.6	3.1	4.1	28.9	13.6	139.2	33.7	84.2	13.0	12/31/1988	-
Relative Strength (Price/200-Day Moving Avg)	Technical	1.9	4.0	13.7	-2.4	4.0	7.2	3.5	89.3	23.7	64.0	10.4	1/31/2010	1/87 - 1/10
Low EPS Torpedo	Growth (Negative)	-3.8	3.7	15.9	-7.2	3.7	-0.5	-0.3	141.6	34.2	66.4	10.7	12/31/1988	4/86 - 12/88
High Projected 5-Yr Growth	Growth	-0.5	3.5	17.1	-2.5	3.5	10.9	5.3	92.4	24.4	59.6	9.8	12/31/1988	2/86 - 12/88
High Variability of EPS	Risk	-0.6	3.4	15.8	-5.1	3.4	4.3	2.1	71.4	19.7	45.4	7.8	12/31/1988	2/86 - 12/88
S&P 500 Equal Weighted (Total Return)	Benchmark	-0.8	3.2	15.1	-5.9	3.2	6.4	3.2	83.6	22.5	61.5	10.1		-
Price Returns (3-Month)	Technical	-0.8	3.1	13.6	-9.1	3.1	-2.1	-1.1	82.6	22.2	49.8	8.4	1/31/2010	1/87 - 1/10
DDM Valuation	Value	-2.0	3.1	16.6	-6.5	3.1	2.9	1.4	48.5	14.1	7.5	1.5	12/31/1988	2/86 - 12/88
Price Returns (12-Month plus 1-Month Reversal)	Technical	0.3	2.9	15.0	-1.6	2.9	7.4	3.6	60.4	17.1	48.1	8.2	1/31/2010	1/87 - 1/10
Relative Strength (5wk/30wk)	Technical	0.8	2.9	11.6	-2.6	2.9	6.8	3.3	88.6	23.5	64.8	10.5	1/31/2010	1/87 - 1/10
Analyst Coverage Neglect	Miscellaneous	-2.2	2.8	11.2	-7.4	2.8	4.8	2.4	71.6	19.7	52.7	8.8	6/30/1989	-
S&P 500 Equal Weighted (Price Return)	Benchmark	-1.0	2.7	13.9	-7.8	2.7	2.4	1.2	73.2	20.1	45.9	7.9		-
Low Price to Cash Flow	Value	-1.7	2.6	15.0	-12.0	2.6	0.2	0.1	90.3	23.9	-3.1	-0.6	12/31/1988	2/86 - 12/88
Short Interest	Miscellaneous	-0.9	1.8	13.3	-9.7	1.8	-2.1	-1.1	55.1	15.7	33.0	5.9	10/31/2013	3/94 - 10/13
Low EV/EBITDA	Value	-0.7	1.7	15.8	-9.0	1.7	3.0	1.5	103.0	26.6	8.5	1.6	9/30/2001	4/86 - 9/01
Relative Strength (10wk/40wk)	Technical	1.1	1.0	8.5	-1.0	1.0	-3.2	-1.6	67.8	18.8	52.8	8.8	1/31/2010	1/87 - 1/10
Forecast Positive Earnings Surprise	Growth	-0.7	0.7	9.8	-9.2	0.7	1.5	0.8	73.4	20.2	48.8	8.3	12/31/1988	2/86 - 12/88
Price Returns (12-Month plus 1-Month)	Technical	1.0	0.6	10.8	-12.2	0.6	-0.5	-0.2	63.8	17.9	37.8	6.6	1/31/2010	1/87 - 1/10
High Dividend Growth (Total Return)	Corp Cash Deployment	-2.3	0.0	16.5	-0.9	0.0	20.8	9.9	104.4	26.9	64.2	10.4	12/31/2004	4/86 - 12/04
Low Price to Sales	Value	-4.3	-0.3		-10.8	-0.3	-1.6	-0.8	110.1	28.1	56.2	9.3	12/31/1988	2/86 - 12/88
EPS Momentum	Growth	-2.0	-0.5	10.2	-9.8	-0.5	4.4	2.2	66.6	18.5	30.5	5.5	12/31/1988	2/86 - 12/88
Low Price to Free Cash Flow	Value	-3.3	-0.5		-12.4	-0.5	-3.4	-1.7	64.6	18.1	11.7	2.2	7/30/2003	4/86 - 7/03
High Dividend Growth (Price Return)	Corp Cash Deployment	-2.8	-0.8	14.7	-3.8	-0.8	14.8	7.2	90.1	23.9	45.1	7.7	12/31/2004	4/86 - 12/04
Low Price	Risk	-4.3	-0.9	11.9	-14.1	-0.9	1.3	0.6	134.7	32.9	44.6	7.7	12/31/1988	2/86 - 12/88
Small Size	Miscellaneous	-7.6	-0.9		-13.6	-0.9	-7.5	-3.8	110.6	28.2	26.2	4.8	12/31/1988	2/86 - 12/88
Dividend Yield (Total Return)	Corp Cash Deployment	-2.9	-1.3	11.6	-6.3	-1.3	17.5	8.4	130.5	32.1	69.4	11.1	12/31/1988	2/86 - 12/88
Price Returns (9-Month)	Technical	0.4	-1.4	9.4	-5.7	-1.4	2.7	1.3	69.9	19.3	58.8	9.7	1/31/2010	1/87 - 1/10
Price Returns (11-Month since 1 year ago)	Technical	-0.5		11.2	-6.1	-1.7	2.9	1.4	58.9	16.7	38.2	6.7	1/31/2010	1/87 - 1/10
High Free Cash Flow to EV	Value GARP	-2.6	-1.9	9.4	-12.1	-1.9	-7.4	-3.8	59.8 92.1	16.9	13.6 22.3	2.6	7/31/2010	2/86 - 7/10 2/86 - 12/88
Low PE to GROWTH Price Returns (12-Month)	Technical	-6.9 0.0	-2.0 -2.1	11.0 9.7	-9.1 -7.5	-2.0 -2.1	5.5 8.1	2.7 4.0	92.1 64.7	24.3 18.1	40.9	4.1 7.1	12/30/1988 1/31/2010	2/00 - 12/00 1/87 - 1/10
,	Technical						2.6							
Relative Strength (30wk/75wk) Forecast Negative Earnings Surprise		-0.6 -4.8	-2.2 -2.4	10.3 11.3	-9.3 -6.9	-2.2 -2.4	3.3	1.3 1.6	58.6 75.4	16.6 20.6	34.2 38.5	6.1 6.7	8/31/1995 12/31/1988	2/86 - 8/95 2/86 - 12/88
Dividend Yield (Price Return)	Growth (Negative) Corp Cash Deployment	-4.6	-2.4		-0.9 -11.1		5.5 6.4	3.1	96.3	25.2	31.5	5.6	12/31/1988	2/86 - 12/88
Low Price to Book Value	Value	-9.4	-3.8		-17.4		-3.2	-1.6	116.5	29.4	19.1	3.6	12/31/1988	2/86 - 12/88
Earnings Yield	Value	-9.4 -8.4	-5.6	7.3 5.0	-17.4		-3.2 -12.2	-6.3	75.0	29.4	2.2	0.4	12/31/1988	2/86 - 12/88
Forward Earnings Yield	Value			4.2			1.0	0.5	107.0	27.4	16.5	3.1	12/31/1988	4/86 - 12/88
Tormala Larrings Ticla	value	10.5	5.0	1.2	13.4	ال.ن	1.0	0.5	107.0	∠/.⊤	10.5	ا . ا	12/3/////	1/00 12/00

Source: BofA US Equity & Quant Strategy; Please see our Quantitative Profiles 16 January 2023 report for a description of our strategies and the performance calculation methodology. The performance does not reflect transaction costs or tax withholdings or any applicable advisory fees. Had these costs been reflected, the performance would have been lower. Performance is calculated on the basis of price return unless noted. Total return performance calculations assume that dividends paid on securities in a portfolio are deposited in a cash account on the ex-dividend date, and are not reinvested. Past performance should not and cannot be viewed as an indicator of future performance. A complete performance record is available upon request



Exhibit 2: Monthly advances and decliners
Strategies Performance (advancers and decliners) — 3/31/2023

		1 M		3M		6M		12M		YTD		2Yr		3Yr		5Yr
Quantitative Strategies	Adv.	Dec.	Adv.	Dec.	Adv.	Dec.	Adv.	Dec.	Adv.	Dec.	Adv.	Dec.	Adv.	Dec.	Adv.	Dec
ROE (5-Yr Avg. Adj. by Debt)	45	5	110	40	199	101	284	316	110	40	623	577	1029	771	1674	1326
High EPS Estimate Dispersion	19	22	72	62	152	116	238	262	72	62	409	401	687	590	1050	966
High Foreign Exposure	28	22	88	62	190	109	294	305	88	62	612	586	1030	766	1652	1342
ROE (1-Yr Avg. Adj. by Debt)	36	14	97	53	186	114	277	323	97	53	619	581	1018	782	1651	1349
Most Active	29	21	86	64	173	125	275	323	86	64	591	607	958	839	1584	1412
Institutional Neglect	31	19	78	72	175	124	280	318	78	72	603	594	993	805	1644	1355
High Duration	38	12	88	62	183	117	264	336	88	62	590	610	980	820	1648	1351
ROA	36	14	96	54	187	113	286	314	96	54	619	581	1024	776	1704	1296
ROC	33	17	91	59	185	115	286	314	91	59	612	588	1008	792	1697	1302
ROE (5-Yr Average)	32	18	81	69	176	123	287	312	81	69	608	591	994	804	1650	1347
ROE (1-Yr Average)	33	17	85	65	179	120	286	313	85	65	616	583	1015	784	1679	1319
Share Repurchase	14	36	67	83	165	135	278	322	67	83	624	576	1030	768	1638	1359
High Beta	17	33	81	72	174	135	283	336	81	72	628	604	1039	813	1641	1461
Upward Estimate Revisions	25	25	80	70	178	121	304	295	80	70	644	555	1087	711	1699	1297
Relative Strength (Price/200-Day Moving Avg)	28	22	75	75	162	138	277	323	75	75	610	590	1025	775	1659	1336
Low EPS Torpedo	23	27	76	74	179	121	289	311	76	74	614	586	997	802	1609	1388
High Projected 5-Yr Growth	21	29	72	78	158	142	272	328	72	78	594	606	986	817	1598	1403
High Variability of EPS	31	34	93	98	212	167	353	406	93	98	759	749	1281	1051	2182	1862
Price Returns (3-Month)	27	23	77	73	169	131	267	333	77	73	586	614	1015	785	1630	1365
DDM Valuation	14	25	46	55	115	99	200	249	46	55	532	533	954	814	1707	1522
Price Returns (12-Month plus 1-Month Reversal)	27	23	79	71	174	125	289	310	79	71	603	595	987	811	1636	1361
Relative Strength (5wk/30wk)	24	26	71	79	159	141	275	325	71	79	607	593	1029	771	1652	1342
Analyst Coverage Neglect	22	28	86	72	154	129	236	291	86	72	556	529	976	729	1597	1248
Low Price to Cash Flow	20	30	70	80	168	132	274	326	70	80	589	611	954	845	1526	1472
Short Interest	25	23	76	68	172	118	264	318	76	68	572	598	963	795	1607	1318
Low EV/EBITDA	21	29	73	77	173	127	286	314	73	77	607	593	998	801	1563	1436
Relative Strength (10wk/40wk)	27	23	71	79	155	145	290	310	71	79	588	612	1001	799	1637	1357
Forecast Positive Earnings Surprise	32	39	96	122	224	217	390	505	96	122	840	868	1426	1148	2366	1912
Price Returns (12-Month plus 1-Month)	29	21	71	79	163	137	256	344	71	79	598	602	1009	790	1635	1361
Low Price to Sales	14	36	63	87	157	143	278	322	63	87	601	599	989	811	1600	1399
EPS Momentum	20	30	72	78	162	138	275	325	72	78	610	590	991	808	1589	1409
Low Price to Free Cash Flow	14	36	62	88	159	141	269	331	62	88	581	619	958	841	1542	1457
High Dividend Growth (Price Return)	19	31	73	77	168	132	280	320	73	77	635	565	1026	774	1620	1379
Low Price	16	34	68	82	165	135	269	330	68	82	589	609	991	803	1591	1401
Small Size	12	38	68	82	161	139	264	336	68	82	590	610	1001	797	1578	1416
Price Returns (9-Month)	27	23	70	80	155	145	276	324	70	80	601	599	999	801	1635	1361
Price Returns (11-Month since 1 year ago)	22	28	70	80	163	137	278	321	70	80	594	604	970	828	1587	1410
High Free Cash Flow to EV	14	25	49	68	120	117	212	271	49	68	468	507	781	678	1258	1174
Low PE to GROWTH	10	40	63	87	155	145	267	333	63	87	605	595	1022	777	1571	1427
Price Returns (12-Month)	23	27	67	83	163	137	279	320	67	83	615	583	991	807	1607	1389
Relative Strength (30wk/75wk)	22	28	66	84	159	141	272	328	66	84	596	604	971	830	1596	1409
Forecast Negative Earnings Surprise	35	47	121	139	280	212	462	514	121	139	923	909	1494	1241	2453	2073
Dividend Yield (Price Return)	20	30	66	84	162	138	279	320	66	84	629	569	1028	768	1644	1351
Low Price to Book Value	15	35	67	83	168	132	272	328	67	83	630	577	1051	765	1640	1391
Earnings Yield	15	35	64	86	159	141	265	335	64	86	608	592	1017	782	1600	1399
Forward Earnings Yield	12	38	67	83	162	138	285	315	67	83	609	591	1010	788	1593	1405
u .																

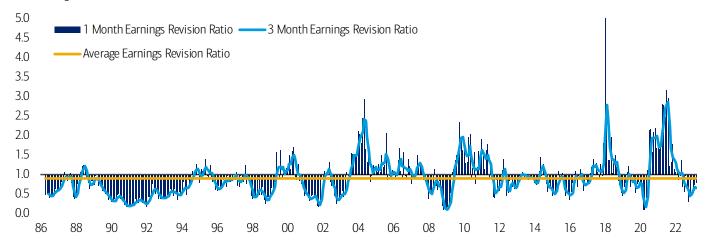
Source: BofA US Equity and Quantitative Strategy



Regional, Style and Size Benchmarks

Exhibit 3: 3-Month and 1-Month Earnings Estimate Revisions fell from record levels for S&P 500

S&P 500 Earnings Estimate Revision Ratio as of 3/23



 $\textbf{Source:} \ \ \text{BofA US Equity and Quant Strategy, I/B/E/S}$

BofA GLOBAL RESEARCH

Table 7: Monthly total Index returns for select indexes

Total Return - Dividends Reinvested as of 3/31/2023

	1 M	3 M	6 M	12 M	YTD
DJIA	2.08	0.93	17.09	-1.98	0.93
S&P 500	3.67	7.50	15.62	-7.73	7.50
S&P Util	4.92	-3.24	5.11	-6.21	-3.24
Nasdaq Comp.	6.78	17.05	16.14	-13.25	17.05
Russell 1000	3.16	7.46	15.24	-8.39	7.46
Russell 2000	-4.78	2.74	9.14	-11.61	2.74
Valueline (geometric)	-2.44	4.16	13.65	-12.18	4.16
S&P 600	-5.16	2.57	12.00	-8.82	2.57

Source: BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

Table 8: Monthly total index returns for select Global Indexes

Total Return - Global Markets (Local Currency)

	1 M	3 M	6 M	12 M	YTD
	I IVI) IVI	O IVI	I Z IVI	עוו
S&P 500	3.67	7.50	15.62	-7.73	7.50
MSCI AC World Index	2.52	7.15	15.16	-5.12	7.15
MSCI AC World ex-US	0.97	6.31	14.71	0.39	6.31
MSCI EAFE ®	0.63	7.65	17.10	4.39	7.65
MSCI Emerging Markets	2.20	3.84	10.76	-6.23	3.84

Source: BofA US Equity & Quant Strategy, MSCI

BofA GLOBAL RESEARCH

Table 10: Monthly style based total index returns

Total Return by Style: Large Cap Growth vs. Value (%)

	1 M	3 M	6 M	12 M	YTD
S&P 500/Citigroup Growth	5.85	9.63	11.22	-15.33	9.63
S&P 500/Citigroup Value	1.31	5.17	19.47	-0.16	5.17
Russell 1000 Growth	6.84	14.37	16.88	-10.90	14.37
Russell 1000 Value	-0.46	1.01	13 55	-5 91	1.01

Source: BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

Table 9: Monthly US Dollar denominated total index return for select Global Indexes

Total Return - Global Markets (US Dollars)

	1 M	3 M	6 M	12 M	YTD
S&P 500	3.67	7.50	15.62	-7.73	7.50
MSCI AC World Index	3.15	7.44	18.06	-6.96	7.44
MSCI AC World ex-US	2.55	7.00	22.38	-4.57	7.00
MSCI EAFE ®	2.61	8.62	27.52	-0.86	8.62
MSCI Emerging Markets	3.07	4.02	14.20	-10.30	4.02

Source: BofA US Equity & Quant Strategy, MSCI

BofA GLOBAL RESEARCH

Table 11: Monthly style based total index returns

Total Return by Style: Small Cap Growth vs. Value (%)

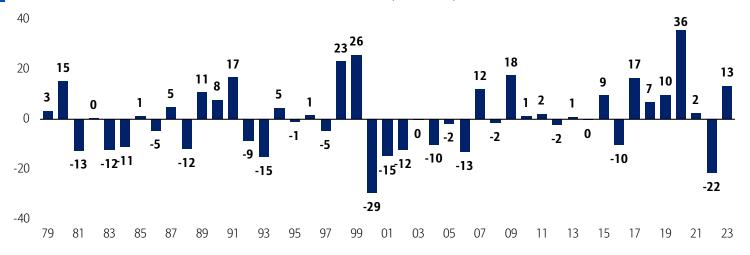
	1 M	3 M	6 M	12 M	YTD
S&P 600/Citigroup Growth	-3.97	2.14	9.27	-10.91	2.14
S&P 600/Citigroup Value	-6.40	3.05	14.57	-6.81	3.05
Russell 2000 Growth	-2.47	6.07	10.46	-10.60	6.07
Russell 2000 Value	-7 17	-0.66	7 70	-12 96	-0.66

Source: BofA US Equity & Quant Strategy



Exhibit 4: Annual relative (Growth vs. Value) total returns for Russell Large Caps

Relative total return of the Russell 1000 Growth Index vs. the Russell 1000 Value Index (1979-3/2023)



Source: BofA US Equity and Quantitative Strategy, Bloomberg

BofA GLOBAL RESEARCH

DofA

Deal EDC

S&P 500 Performance and Characteristics

Table 12: Monthly S&P500 index relative price return distribution analysis

Distribution of S&P 500 as of 3/31/2023 (Quintiles are held and re-balanced monthly)

# of	Wgt in		Relative	Price Pe	formance	!	BofA _ Adj		,	Forward	Div.
Comp	S&P 500	1 Mon	3 Mon	6 Mon	12 Mon	YTD	Adj Beta	2023	2024	P/E Ratio	Yield
23	4.61	-3.99	-12.60	0.30	18.40	-12.60	1.36	-20	-1	10	3.54
29	2.64	-4.84	-3.28	4.13	1.07	-3.28	1.09	-16	7	17	2.05
73	8.66	-2.95	-4.00	7.66	7.70	-4.00	1.10	12	13	19	1.60
53	10.13	-0.50	8.74	-10.89	-11.13	8.74	1.30	8	21	25	1.21
37	7.23	0.31	-6.87	-2.45	7.89	-6.87	0.59	4	9	20	2.55
65	14.20	-1.44	-11.75	-7.56	4.02	-11.75	0.69	-9	10	17	1.54
73	12.91	-13.24	-13.08	-8.48	-6.76	-13.08	1.04	11	11	13	1.94
30	2.56	-5.59	-5.99	-10.69	-13.07	-5.99	0.86	-19	9	36	3.62
66	26.08	7.36	14.46	12.28	3.74	14.46	1.22	0	16	25	0.98
24	8.11	6.87	13.15	3.62	-9.23	13.15	1.03	13	17	16	0.63
30	2.86	1.11	-11.06	-11.15	0.27	-11.06	0.54	4	8	18	3.19
101	2.87	-6.97	-6.34	-12.27	4.63	-6.34	1.18	3	17	13	2.30
100	5.01	-7.09	-6.85	-20.34	-3.64	-6.85	1.01	5	12	15	1.92
101	8.65	-4.57	-3.67	-13.06	4.15	-3.67	1.10	7	12	16	1.84
100	14.47	-2.52	-4.82	-13.75	4.77	-4.82	1.03	-8	8	17	2.17
101	68.99	2.04	2.99	-14.58	-0.63	2.99	1.02	1	13	20	1.43
100	21.32	-1.10	-10.52	-17.56	3.75	-10.52	0.52	-3	9	17	2.39
100	20.16	1.31	-1.74	-11.30	4.75	-1.74	0.86	3	13	21	1.50
100	21.60	-1.37	-2.24	-15.96	-3.61	-2.24	1.06	3	10	16	1.79
100	23.80	2.59	10.24	-15.89	-0.08	10.24	1.26	-1	15	21	0.92
100	12.94	-2.56	12.59	-10.64	-2.90	12.59	1.68	-1	13	17	1.59
3	0.18										
0	23.81	3.75	13.08	-17.58	-7.96	13.08	1.19	10	21	23	0.00
79	27.36	4.29	9.39	-11.46	2.30	9.39	1.13	2	15	26	0.70
101	16.72	-3.37	-7.80	-13.06	5.79	-7.80	0.96	0	10	18	1.70
100	21.06		-8.59	-15.57	0.41		0.87	-1	7	14	2.85
101	11.06	-4.28	-9.23	-15.59	5.88	-9.23	0.88	-9	8	12	4.96
	Comp 23 29 73 53 37 65 73 30 66 24 30 101 100 101 100 101 100 100 100 100	Comp S&P 500 23 4.61 29 2.64 73 8.66 53 10.13 37 7.23 65 14.20 73 12.91 30 2.56 66 26.08 24 8.11 30 2.86 101 2.87 100 5.01 101 8.65 100 14.47 101 68.99 100 21.32 100 21.60 100 23.80 100 12.94 3 0.18 0 23.81 79 27.36 101 16.72 100 21.06	Comp S&P 500 1 Mon 23 4.61 -3.99 29 2.64 -4.84 73 8.66 -2.95 53 10.13 -0.50 37 7.23 0.31 65 14.20 -1.44 73 12.91 -13.24 30 2.56 -5.59 66 26.08 7.36 24 8.11 6.87 30 2.86 1.11 101 2.87 -6.97 100 5.01 -7.09 101 8.65 -4.57 100 14.47 -2.52 101 68.99 2.04 100 21.32 -1.10 100 20.16 1.31 100 21.60 -1.37 100 23.80 2.59 100 12.94 -2.56 3 0.18 0 23.81 3.75 79	Comp S&P 500 1 Mon 3 Mon 23 4.61 -3.99 -12.60 29 2.64 -4.84 -3.28 73 8.66 -2.95 -4.00 53 10.13 -0.50 8.74 37 7.23 0.31 -6.87 65 14.20 -1.44 -11.75 73 12.91 -13.24 -13.08 30 2.56 -5.59 -5.99 66 26.08 7.36 14.46 24 8.11 6.87 13.15 30 2.86 1.11 -11.06 101 2.87 -6.97 -6.34 100 5.01 -7.09 -6.85 101 8.65 -4.57 -3.67 100 14.47 -2.52 -4.82 101 68.99 2.04 2.99 100 21.32 -1.10 -10.52 100 23.80 2.59 10.24	Comp S&P 500 1 Mon 3 Mon 6 Mon 23 4.61 -3.99 -12.60 0.30 29 2.64 -4.84 -3.28 4.13 73 8.66 -2.95 -4.00 7.66 53 10.13 -0.50 8.74 -10.89 37 7.23 0.31 -6.87 -2.45 65 14.20 -1.44 -11.75 -7.56 73 12.91 -13.24 -13.08 -8.48 30 2.56 -5.59 -5.99 -10.69 66 26.08 7.36 14.46 12.28 24 8.11 6.87 13.15 3.62 30 2.86 1.11 -11.06 -11.15 101 2.87 -6.97 -6.34 -12.27 100 5.01 -7.09 -6.85 -20.34 101 8.65 -4.57 -3.67 -13.06 100 21.32 -1.10	Comp S&P 500 1 Mon 3 Mon 6 Mon 12 Mon 23 4.61 -3.99 -12.60 0.30 18.40 29 2.64 -4.84 -3.28 4.13 1.07 73 8.66 -2.95 -4.00 7.66 7.70 53 10.13 -0.50 8.74 -10.89 -11.13 37 7.23 0.31 -6.87 -2.45 7.89 65 14.20 -1.44 -11.75 -7.56 4.02 73 12.91 -13.24 -13.08 -8.48 -6.76 30 2.56 -5.59 -5.99 -10.69 -13.07 66 26.08 7.36 14.46 12.28 3.74 24 8.11 6.87 13.15 3.62 -9.23 30 2.87 -6.97 -6.34 -12.27 4.63 100 5.01 -7.09 -6.85 -20.34 -3.64 101 8.65 </td <td>Comp S&P 500 1 Mon 3 Mon 6 Mon 12 Mon YTD 23 4.61 -3.99 -12.60 0.30 18.40 -12.60 29 2.64 -4.84 -3.28 4.13 1.07 -3.28 73 8.66 -2.95 -4.00 7.66 7.70 -4.00 53 10.13 -0.50 8.74 -10.89 -11.13 8.74 37 7.23 0.31 -6.87 -2.45 7.89 -6.87 65 14.20 -1.44 -11.75 -7.56 4.02 -11.75 73 12.91 -13.24 -13.08 -8.48 -6.76 -13.08 30 2.56 -5.59 -5.99 -10.69 -13.07 -5.99 66 26.08 7.36 14.46 12.28 3.74 14.46 24 8.11 6.87 13.15 3.62 -9.23 13.15 30 2.86 1.11 -11.06</td> <td># of Comp Wgt in S&P 500 Relative Price Performance Adj Adj Adj Adj Adj Adj Adj Adj Adj Adj</td> <td># of Comp Wgt in S&P 500 Relative Price Performance Adj Adj Beta Gro Adj Adj Beta 23 4.61 -3.99 -12.60 0.30 18.40 -12.60 1.36 -20 29 2.64 -4.84 -3.28 4.13 1.07 -3.28 1.09 -16 73 8.66 -2.95 -4.00 7.66 7.70 -4.00 1.10 12 53 10.13 -0.50 8.74 -10.89 -11.13 8.74 1.30 8 37 7.23 0.31 -6.87 -2.45 7.89 -6.87 0.59 4 65 14.20 -1.44 -11.75 -7.56 4.02 -11.75 0.69 -9 73 12.91 -13.24 -13.08 -8.48 -6.76 -13.08 1.04 11 30 2.56 -5.59 -5.99 -10.69 -13.07 -5.99 0.86 -19 66 26.08 7.36 14.46</td> <td> Comp S&P 500 1 Mon 3 Mon 6 Mon 12 Mon VTD Beta 2023 2024 </td> <td># of Comp Wg t in SkP 500 Relative Price Performance Adj Adj Adj Adj Growth Adj Adj Adj Forward Adj Adj Adj Forward Adj Adj Adj Adj Adj Adj Adj Adj Adj Ad</td>	Comp S&P 500 1 Mon 3 Mon 6 Mon 12 Mon YTD 23 4.61 -3.99 -12.60 0.30 18.40 -12.60 29 2.64 -4.84 -3.28 4.13 1.07 -3.28 73 8.66 -2.95 -4.00 7.66 7.70 -4.00 53 10.13 -0.50 8.74 -10.89 -11.13 8.74 37 7.23 0.31 -6.87 -2.45 7.89 -6.87 65 14.20 -1.44 -11.75 -7.56 4.02 -11.75 73 12.91 -13.24 -13.08 -8.48 -6.76 -13.08 30 2.56 -5.59 -5.99 -10.69 -13.07 -5.99 66 26.08 7.36 14.46 12.28 3.74 14.46 24 8.11 6.87 13.15 3.62 -9.23 13.15 30 2.86 1.11 -11.06	# of Comp Wgt in S&P 500 Relative Price Performance Adj	# of Comp Wgt in S&P 500 Relative Price Performance Adj Adj Beta Gro Adj Adj Beta 23 4.61 -3.99 -12.60 0.30 18.40 -12.60 1.36 -20 29 2.64 -4.84 -3.28 4.13 1.07 -3.28 1.09 -16 73 8.66 -2.95 -4.00 7.66 7.70 -4.00 1.10 12 53 10.13 -0.50 8.74 -10.89 -11.13 8.74 1.30 8 37 7.23 0.31 -6.87 -2.45 7.89 -6.87 0.59 4 65 14.20 -1.44 -11.75 -7.56 4.02 -11.75 0.69 -9 73 12.91 -13.24 -13.08 -8.48 -6.76 -13.08 1.04 11 30 2.56 -5.59 -5.99 -10.69 -13.07 -5.99 0.86 -19 66 26.08 7.36 14.46	Comp S&P 500 1 Mon 3 Mon 6 Mon 12 Mon VTD Beta 2023 2024	# of Comp Wg t in SkP 500 Relative Price Performance Adj Adj Adj Adj Growth Adj Adj Adj Forward Adj Adj Adj Forward Adj Adj Adj Adj Adj Adj Adj Adj Adj Ad

Table 12: Monthly S&P500 index relative price return distribution analysisDistribution of S&P 500 as of 3/31/2023 (Quintiles are held and re-balanced monthly)

	# of	Wgt in		Relative	Price Per	formance	<u> </u>	BofA Adj		EPS wth	Forward	Div.
Relative Forward P/E Sectors		•						_ ,			_	
-3.30 To 0.59	100	12.76	-10.27	-11.17	-16.63	2.43	-11.17	1.13	-8	6	9	3.44
0.59 To 0.86	100	15.93	-3.55	-7.04	-14.36	-0.31	-7.04	0.91	-5	9	13	2.57
0.86 To 1.09	99	17.91	0.53	-1.22	-13.33	5.41	-1.22	0.97	7	13	18	1.42
1.09 To 1.50	100	27.65	4.09	4.74	-11.18	4.16	4.74	0.98	3	13	24	1.14
1.50 To 11.69	100	25.65	3.34	11.47	-20.00	-7.33	11.47	1.16	16	27	37	0.80
Uncoded	4	0.10										
Cash Flow Yield Sectors												
-40.58 To 3.69	92	18.71	2.55	9.58	-15.72	-8.54	9.58	1.22	23	21	29	0.46
3.69 To 5.49	92	32.25	3.84	4.13	-14.04	4.08	4.13	1.00	6	14	26	1.05
5.49 To 7.45	92	22.73	0.85	0.86	-11.06	8.29	0.86	0.89	4	11	17	1.88
7.45 To 11.28	92	9.94	-7.47	-9.42	-19.43	-1.54	-9.42	1.01	2	10	13	2.75
11.28 To 61.12	92	12.00	-3.93	-6.34	-12.27	4.63	-6.34	1.14	-19	7	10	3.17
Uncoded	43	4.38										
S&P 500	503	100.00	3.51	7.03	14.61	-9.29	7.03	1.03	0	12	18.3	1.62
S&P Industrials	386	82.55	5.67	9.63	16.57	-7.73	9.63	1.05	-3	12	19.8	1.51

Source: BofA US Equity & Quant Strategy, I/B/E/S. Note: BofA Fundamental Research data is used for Projected EPS growth and Next Year P/E ratio. I/B/E/S consensus data is filled in if not covered by BofA Fundamental Research

BofA GLOBAL RESEARCH

Table 13: Monthly S&P 500 index relative price return distribution analysis Distribution of S&P 500 as of 3/31/2023 (Quintiles are held and re-balanced monthly.) – Continued

	# of	Wgt in		Relative	e Price Pe	rformance		BofA	Proj EPS	Growth	Forward	Div.
As of March 2023	Comp	S&P 500	1 Mon	3 Mon	6 Mon	12 Mon	YTD	Adj Beta	2023	2024	P/E Ratio	Yield
Price/Sales Sectors												
0.10 To 1.13	101	8.09	-5.69	-6.79	-14.02	6.44	-6.79	1.05	-2	8	11	2.46
1.13 To 2.05	100	15.73	0.39	-1.13	-8.36	9.27	-1.13	1.02	-1	8	12	2.58
2.05 To 3.26	101	21.46	-6.79	-9.26	-24.77	-10.21	-9.26	1.02	-4	17	18	1.40
3.26 To 5.46	100	19.67	0.32	1.14	-6.68	6.13	1.14	0.89	1	11	18	1.93
5.46 To 25.33	101	35.05	4.92	8.40	-16.38	-2.10	8.40	1.12	5	15	29	0.96
Uncoded	0	0.00										
Long Term Growth												
-65.00 To 2.55	81	12.60	-4.08	-4.25	-11.22	5.30	-4.25	0.99	-21	9	12	3.26
2.55 To 7.30	80	15.52	-2.61	-8.79	-16.34	0.63	-8.79	0.84	6	9	14	2.67
7.30 To 10.22	81	22.42	1.93	3.33	-15.15	8.82	3.33	1.04	4	11	22	1.38
10.22 To 14.69	80	20.05	2.07	-0.52	-15.66	-2.15	-0.52	1.03	7	14	21	1.09
14.69 To 125.80	81	18.65	2.21	13.30	-11.96	-3.29	13.30	1.17	5	16	21	0.76
Uncoded	100	10.76										
P/E-to-Growth Sectors												
0.06 To 1.30	69	8.79	-2.20	1.18	-6.24	9.41	1.18	1.13	0	10	12	1.46
1.30 To 1.94	68	15.45	-1.26	-3.60	-19.05	-2.88	-3.60	0.97	7	15	18	1.33
1.94 To 2.57	68	12.64	3.10	5.99	-13.20	3.00	5.99	0.97	10	11	17	1.93
2.57 To 3.75	68	25.52	3.22	6.85	-15.90	-0.22	6.85	1.02	5	12	24	1.18
3.75 To 115.63	69	17.91	-0.26	-7.72	-19.94	-5.73	-7.72	1.01	0	11	20	1.78
Uncoded	161	19.69										
ROE (1 Yr Avg.)												
0.32 To 8.21	87	11.48	-0.12	-0.20	-13.37	5.32	-0.20	0.98	2	20	18	2.06
8.21 To 13.66	86	10.44	-5.14	-4.67	-23.09	-7.25	-4.67	1.00	6	10	14	2.27
13.66 To 21.93	86	13.06	-1.73	0.24	-9.07	2.45	0.24	1.08	1	14	19	1.17
21.93 To 35.28	86	22.17	-0.38	-0.32	-18.82	-4.89	-0.32	1.01	-7	10	17	1.76
35.28 To 813.88	87	30.29	3.51	3.71	-11.75	3.72	3.71	1.06	-4	8	21	1.37
Uncoded	71	12.55							0	0	na	na
S&P 500	503	100.00	3.51	7.03	14.61	-9.29	7.03	1.03	0	0 12	na 18	na 1.62
S&P Industrials	386	82.55	5.67	7.03 9.63	14.61	-9.29 -7.73	7.03 9.63	1.03	0 -3	12	18 20	1.62
OCT IIIUUSLIIdis	300	02.33	5.07	7.03	10.57	-1./3	5.03	1.05	-3	12	20	1.31

Source: BofA US Equity & Quant Strategy, I/E/E/S. Note: BofA Fundamental Research data is used for Projected EPS growth and Next Year P/E ratio. I/B/E/S consensus data is filled in if not covered by BofA Fundamental Research.



Table 13: Monthly S&P 500 index relative price return distribution analysis

Distribution of S&P 500 as of 3/31/2023 (Quintiles are held and re-balanced monthly.) – Continued

of Wgt in Relative Price Performance BofA Proj EPS Growth Forward Div.

BofA GLOBAL RESEARCH

Table 14: Latest additions and deletions from S&P 500 Index

 $\ensuremath{\mathsf{S\&P}}\xspace$ 500 Additions and Deletions in March

1	Additions				Deletions		
_	Date	Ticker	Name	Sector	Ticker	Name	Sector
		BG FICO PODD	Bunge Limited Fair Isaac Corporation Insulet Corporation	Consumer Staples Information Technology Health Care	LUMN SBNY	Lumen Technologies, Inc. Signature Bank SIVB	Communication Services Financials SVB Financial Group

Source: BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

Table 15: Latest month's end total US and S&P 500 market cap

Market Capitalization as of 3/31/2023

Total U.S. Market Cap = 45.021 trillion (US\$)†

Source: † NYSE, AMEX & NASDAQ Listed Stocks ex ADRs, preferred shares & Non-US

S&P 500 Total Market Cap = 35.812 trillion (US\$)‡

‡ As Reported By S&P, not float adjusted



S&P 500 Sector & Industry Performance

Table 16: Monthly GICS sector/industry based relative price performance for S&P500 Index Distribution of S&P 500 by GICS Sector/Industry Classifications as of 3/31/2023

	# of	Wgtin		Relative	Price Per	formance		BofA		j Eps owth	Forward	Div.
As of March 2023	Comp	S&P500	1 Mon	3 Mon	6 Mon	12 Mon	YTD	Adj Beta	2023	2024	P/E Ratio	Yield
Energy	23	4.61	-3.99	-12.60	0.30	18.40	-12.60	1.36	-20	-1	10.1	3.54
Energy Equipment & Services	3	0.37	-11.95	-16.84	20.41	7.96	-16.84	1.78	44	24	14.0	2.17
Oil Gas & Consumable Fuels	20	4.24	-3.23	-12.21	-1.16	19.33	-12.21	1.32	-22	-2	9.8	3.66
Materials	29	2.64	-4.84	-3.28	4.13	1.07	-3.28	1.09	-16	7	16.8	2.05
Chemicals	16	1.80	-4.89	-3.99	2.42	6.21	-3.99	1.04	-10	11	17.4	2.03
Construction Materials	2	0.13	-6.83	-5.70	-5.12	2.11	-5.70	0.81	20	19	24.9	0.88
Containers & Packaging	7	0.26	-4.40	-6.98	-3.99	-11.25	-6.98	0.95	-14	8	14.4	3.09
Metals & Mining	4	0.45	-4.33	2.83	22.68	-11.00	2.83	1.42	-34	-8	14.9	1.88
Industrials	73	8.66	-2.95	-4.00	7.66	7.70	-4.00	1.10	12	13	18.6	1.60
Aerospace & Defense	10	1.75	-3.26	-8.41	8.16	11.77	-8.41	0.99	45	12	22.4	1.54
Air Freight & Logistics	4	0.65	3.75	8.23	11.47	3.10	8.23	1.13	-13	11	15.9	2.72
Passenger Airlines	5	0.21	-12.32	-1.09	4.41	-8.94	-1.09	1.31	124	29	6.7	0.60
Building Products	6	0.44	-4.83	-2.07	10.26	11.19	-2.07	1.15	10	11	17.8	1.32
Commercial Services & Supplies	5	0.49	3.41	-0.12	-3.15	16.56	-0.12	0.95	8	13	28.7	1.16
Professional Services	9	0.77	-1.32	-7.35	-5.54	-4.34	-7.35	0.94	5	13	24.7	1.60
Construction & Engineering	1	0.07	-0.26	9.91	16.21	35.91	9.91	1.08	12	14	22.8	0.19
Electrical Equipment	5	0.56	-2.93	-3.66	7.59	6.09	-3.66	1.26	0	11	21.3	1.73
Industrial Conglomerates	3	0.84	0.13	-3.23	15.44	10.35	-3.23	1.13	-9	25	21.1	2.21
Machinery	17	1.80	-4.52	-4.33	13.87	16.08	-4.33	1.11	11	7	16.3	1.08
Ground Transportation	5	0.81	-6.31	-9.95	-6.39	-11.83	-9.95	1.16	0	9	17.1	2.01
Trading Companies & Distributors	3	0.26	-6.51	9.32	18.53	18.06	9.32	1.38	17	8	16.0	1.70
Consumer Discretionary	53	10.13	-0.50	8.74	-10.89	-11.13	8.74	1.30	8	21	25.1	1.21
Automobile Components	2	0.12	-6.70	13.86	32.20	10.26	13.86	1.85	17	30	16.7	0.38
Automobiles	3	1.92	-2.91	48.22	-32.29	-30.31	48.22	1.94	-13	19	25.0	1.98
Hotels Restaurants & Leisure	17	2.11	-0.15	5.52	13.19	12.74	5.52	1.14	134	22	24.4	1.23
Household Durables	8	0.35	0.75	4.75	18.34	19.53	4.75	1.30	-31	7	11.0	1.68
Leisure Products	1	0.02	-5.90	-19.03	-34.97	-25.17	-19.03	0.72	-1	13	11.8	5.22
Broadline Retail	3	2.79	-4.13	-5.71	-11.37	-5.02	-5.71	1.27	67	67	54.1	0.06
Specialty Retail	12	2.16	-4.35	-10.01	-2.15	13.59	-10.01	0.97	0	9	18.1	1.85
Textiles Apparel & Luxury Goods	4	0.51	-1.16	-2.79	27.29	-3.85	-2.79	1.15	6	19	25.2	1.42
Distributors	3	0.15	-7.33	-3.93	-1.61	21.33	-3.93	1.04	1	8	17.2	1.89
Consumer Staples	37	7.23	0.31	-6.87	-2.45	7.89	-6.87	0.59	4	9	20.2	2.55
Beverages	7	1.81	0.66	-7.49	-4.53	14.24	-7.49	0.61	7	9	23.6	2.44
Consumer Staples Distribution & Retail	8	1.97	-0.22	-1.76	-5.41	0.10	-1.76	0.69	6	11	21.1	1.52
Food Products	14	1.16	0.21	-8.24	-2.58	13.27	-8.24	0.53	-4	5	17.1	2.51
Household Products	5	1.46	3.42	-8.26	2.28	7.95	-8.26	0.41	7	9	24.1	2.53
Personal Care Products	1	0.17	-2.10	-7.69	-0.45	-0.20	-7.69	1.01	1	31	36.7	1.07
Tobacco	2	0.67	-4.92	-10.41	0.15	5.65	-10.41	0.68	5	8	12.0	6.33
Health Care	65	14.20	-1.44	-11.75	-7.56	4.02	-11.75	0.69	-9	10	17.1	1.54
Biotechnology	8	2.29	1.31	-8.43	2.52	16.67	-8.43	0.56	-22	4	16.3	2.38
Health Care Equipment & Supplies	20	2.86	0.47	-3.14	3.96	-3.30	-3.14	0.87	-4	11	24.9	1.08
Health Care Providers & Services	16	3.04	-6.10	-18.30	-18.31	2.78	-18.30	0.75	7	11	13.9	1.42
Pharmaceuticals	9	4.16	-1.42	-15.95	-12.21	6.31	-15.95	0.50	-16	11	14.6	2.04
Life Sciences Tools & Services	12	1.84	0.38	-5.75	-3.84	-1.02	-5.75	0.93	-2	14	25.6	0.26
Financials	73	12.91	-13.24	-13.08	-8.48	-6.76	-13.08	1.04	11	11	12.8	1.94
Banks	16	3.12	-22.50	-20.01	-18.54	-16.43	-20.01	1.18	8	7	8.3	3.74
Financial Services	9	4.29	-2.96	-7.69	0.31	-3.76	-7.69	0.97	12	14	20.1	0.44
Consumer Finance	4	0.51	-12.30	-0.93	-0.17	-6.09	-0.93	1.31	-8	8	9.5	1.95
Capital Markets	21	2.83	-9.97	-10.07	-4.86	-3.40	-10.07	1.13	11	14	14.8	2.32
Insurance	23	2.16	-9.68	-12.64	-5.05	3.47	-12.64	0.80	25	15	12.1	1.82

Source: BofA US Equity & Quant Strategy. Note: BofA Fundamental Research data is used for Projected EPS growth and Next Year P/E ratio. I/B/E/S consensus data is filled in if not covered by BofA Research.



Table 17: Monthly GICS sector/industry based relative price performance for S&P500 Index Distribution of S&P 500 by GICS Sector/Industry Classifications as of 3/31/2023 – Continued

	# of	Wgtin		Relative	Price Pe	rformanc	e	BofA		Eps wth	Forward	
	Comp	S&P500	1 Mon	3 Mon	6 Mon	12 Mon	YTD	Adj Beta	2023	2024	P/E Ratio	Yield
Real Estate	30	2.56	-5.59	-5.99	-10.69	-13.07	-5.99	0.86	-19	9	35.7	3.62
Industrial REITs	1	0.34	-2.41	3.65	8.19	-9.59	3.65	1.01	-34	2	44.5	2.79
Hotel & Resort REITs	1	0.03	-5.35	-4.29	-9.44	-4.75	-4.29	1.32	-7	5	19.9	2.91
Office REITs	2	0.08	-20.04	-22.57	-31.63	-38.05	-22.57	0.99	-32	7	31.4	4.81
Health Care REITs	3	0.18	-8.58	-10.49	-19.04	-15.45	-10.49	1.06	-20	73	111.7	4.00
Residential REITs	7	0.34	-7.90	-5.92	-22.89	-23.73	-5.92	0.83	-29	11	40.5	3.95
Retail REITs	5	0.31	-8.24	-10.04	-0.52	-4.74	-10.04	1.19	-4	4	27.7	5.27
Specialized REITs	10	1.21	-0.08	-3.40	-10.20	-6.90	-3.40	0.67	-15	9	35.6	3.43
Real Estate Management & Development	1	0.07	-17.99	-12.42	-6.75	-11.15	-12.42	1.36	-12	16	14.0	0.00
Information Technology	66	26.08	7.36	14.46	12.28	3.74	14.46	1.22	0	16	24.7	0.98
Communications Equipment	5	0.94	6.06	5.56	16.68	7.90	5.56	1.01	11	8	15.4	2.20
Technology Hardware Storage & Peripherals	6	7.39	7.93	19.23	4.70	3.21	19.23	1.30	-1	11	25.1	0.64
Electronic Equipment Instruments & Components	8	0.65	-0.83	1.46	3.23	6.79	1.46	1.23	1	12	19.9	1.07
IT Services	8	1.19	2.22	0.09	2.39	4.47	0.09	1.12	5	9	18.1	2.29
Semiconductors & Semiconductor Equipment	21	6.45	9.18	28.78	37.74	5.12	28.78	1.46	-15	28	25.2	1.31
Software	18	9.45	10.62	13.44	11.28	3.46	13.44	1.01	11	15	27.5	0.73
Communication Services	24	8.11	6.87	13.15	3.62	-9.23	13.15	1.03	13	17	16.4	0.63
Diversified Telecommunication Services	2	0.88	-2.83	-6.57	-4.70	-4.87	-6.57	0.47	-7	2	8.1	3.65
Media	10	0.78	-2.33	1.51	11.68	-12.27	1.51	1.04	-2	13	10.7	2.40
Interactive Media & Services	4	4.78	13.14	22.57	4.69	-10.51	22.57	1.13	12	21	19.8	0.00
Entertainment	7	1.43	0.87	8.91	4.14	-9.41	8.91	1.14	146	25	24.4	0.04
Wireless Telecommunication Services	1	0.25	-1.63	-3.57	-6.65	22.14	-3.57	0.56	235	40	19.1	0.00
Utilities	30	2.86	1.11	-11.06	-11.15	0.27	-11.06	0.54	4	8	17.9	3.19
Electric Utilities	17	1.87	2.08	-11.45	-10.32	2.66	-11.45	0.54	5	9	18.0	3.21
Gas Utilities	1	0.05	-3.90	-6.77	-4.29	3.33	-6.77	0.62	7	7	18.1	2.63
Multi-Utilities	10	0.82	-0.32	-9.60	-14.25	-4.70	-9.60	0.53	1	5	17.5	3.51
Water Utilities	1	0.08	1.02	-10.92	-2.06	-2.22	-10.92	0.57	8	8	30.1	0.00
Independent Power and Renewable Electricity Producers	1	0.05	-5.94	-23.30	-8.06	2.88	-23.30	0.93	3	13	13.6	2.76
S&P 500	503	100.00	3.51	7.03	14.61	-9.29	7.03	1.03	0	12	18.3	1.62
S&P Industrials	386	82.55	5.67	9.63	16.57	-7.73	9.63	1.05	-3	12	19.8	1.51

Source: BofA US Equity and Quant Strategy.

Note: BofA Fundamental Research data is used for Projected EPS growth and Next Year P/E ratio. I/B/E/S consensus data is filled in if not covered by BofA Fundamental Research. Note: returns for Communication Services are based on returns of the former Telecommunication Services sector through dose on 9/21/18 and of the new Communication Services sector from 9/21/18 dose through the latest month-end.

Table 18: 1 month, 3 months and 12 months' top 20/bottom 20 relative price performance by industries in S&P500 index Industries Sorted By Relative Price Performance as of 3/31/2023

Top 20 By Last Month Perf.	1 Month	12	Bottom 20 By Last Month Perf.	1 Month	12
Interactive Media & Services	13.1	-10.5	Banks	-22.5	-16.4
Software	10.6	3.5	Office REITs	-20.0	-38.0
Semiconductors & Semiconductor Equipment	9.2	5.1	Real Estate Management & Development	-18.0	-11.1
echnology Hardware Storage & Peripherals	7.9	3.2	Passenger Airlines	-12.3	-8.9
Communications Equipment	6.1	7.9	Consumer Finance	-12.3	-6.1
Air Freight & Logistics	3.8	3.1	Energy Equipment & Services	-11.9	8.0
Household Products	3.4	7.9	Capital Markets	-10.0	-3.4
Commercial Services & Supplies	3.4	16.6	Insurance	-9.7	3.5
T Services	2.2	4.5	Equity Real Estate Investment Trusts (REITs)	-8.9	-16.0
Electric Utilities	2.1	2.7	Health Care REITs	-8.6	-15.4
Biotechnology	1.3	16.7	Retail REITs	-8.2	-4.7
Entertainment	0.9	-9.4	Residential REITs	-7.9	-23.7
nternet & Direct Marketing Retail	0.8	-29.5	Distributors	-7.3	21.3
Household Durables	0.8	19.5	Construction Materials	-6.8	2.1
Beverages	0.7	14.2	Automobile Components	-6.7	10.3
Health Care Equipment & Supplies	0.5	-3.3	Trading Companies & Distributors	-6.5	18.1
Life Sciences Tools & Services	0.4	-1.0	Ground Transportation	-6.3	-11.8
Food Products	0.2	13.3	Health Care Providers & Services	-6.1	2.8
ndustrial Conglomerates	0.1	10.3	Independent Power and Renewable Electricity Producers	-5.9	2.9
Specialized REITs	-0.1	-6.9	Leisure Products	-5.9	-25.2
Top 20 By Three-Month Perf.	1 Month	3 Months	Bottom 20 By Three-Month Perf.	1 Month	3 Month
Automobiles	-2.9	48.2	Independent Power and Renewable Electricity Producers	-5.9	-23.3
Semiconductors & Semiconductor Equipment	9.2	28.8	Office REITs	-20.0	-22.6
nteractive Media & Services	13.1	22.6	Banks	-22.5	-20.0
Fechnology Hardware Storage & Peripherals	7.9	19.2	Leisure Products	-5.9	-19.0
Automobile Components	-6.7	13.9	Health Care Providers & Services	-6.1	-18.3
Software	10.6	13.4	Energy Equipment & Services	-11.9	-16.8
Construction & Engineering	-0.3	9.9	Pharmaceuticals	-1.4	-15.9
nternet & Direct Marketing Retail	0.8	9.7	Insurance	-9.7	-12.6
Frading Companies & Distributors	-6.5	9.3	Real Estate Management & Development	-18.0	-12.4
Entertainment	0.9 3.8	8.9 8.2	Oil Gas & Consumable Fuels	-3.2 2.1	-12.2 -11.4
Air Freight & Logistics	5.8 6.1	8.2 5.6	Electric Utilities Health Care REITs	2. I -8.6	-11.4
Communications Equipment Hotels Restaurants & Leisure	-0.2	5.5	Tobacco	-6.0 -4.9	-10.5
Household Durables	-0.2 0.8	5.5 4.8	Capital Markets	-4.9 -10.0	-10.4
ndustrial REITs	-2.4	4.6 3.7	Retail REITs	-10.0 -8.2	-10.1
Metals & Mining	-2.4 -4.3	2.8	Specialty Retail	-6.2 -4.3	-10.0
vietais & Millilling Media	-4.3 -2.3	2.6 1.5	Ground Transportation	-4.3 -6.3	-10.0
Electronic Equipment Instruments & Components	-2.3 -0.8	1.5	Multi-Utilities	-0.3 -0.3	-10.0 -9.6
T Services	-0.6 2.2	0.1		-0.3 -8.9	-9.6 -9.6
T Services Commercial Services & Supplies	2.2 3.4	-0.1	Equity Real Estate Investment Trusts (REITs) Biotechnology	-6.9 1.3	-9.6 -8.4
Top 20 By Year-To-Date Perf.	1 Month	YTD	Bottom 20 By Year-To-Date Perf.	1 Month	YTD
Automobiles	-2.9	48.2	Independent Power and Renewable Electricity Producers	-5.9	-23.3
Semiconductors & Semiconductor Equipment	9.2	28.8	Office REITs	-20.0	-23.5
nteractive Media & Services	13.1	22.6	Banks	-22.5	-20.0
Fechnology Hardware Storage & Peripherals	7.9	19.2	Leisure Products	-5.9	-19.0
Automobile Components	-6.7	13.9	Health Care Providers & Services	-6.1	-18.3
Software	10.6	13.4	Energy Equipment & Services	-11.9	-16.8
Construction & Engineering	-0.3	9.9	Pharmaceuticals	-1.4	-15.9
nternet & Direct Marketing Retail	0.8	9.7	Insurance	-9.7	-12.6
Frading Companies & Distributors	-6.5	9.3	Real Estate Management & Development	-18.0	-12.4
Entertainment	0.9	8.9	Oil Gas & Consumable Fuels	-3.2	-12.2
Air Freight & Logistics	3.8	8.2	Electric Utilities	2.1	-11.4
Communications Equipment	6.1	5.6	Health Care REITs	-8.6	-10.5
Hotels Restaurants & Leisure	-0.2	5.5	Tobacco	-4.9	-10.4
Household Durables	0.8	4.8	Capital Markets	-10.0	-10.4
ndustrial REITs	-2.4	3.7	Retail REITs	-8.2	-10.1
Metals & Mining	-2.4 -4.3	2.8	Specialty Retail	-6.2 -4.3	-10.0
vicus a ivii iii is	-2.3	1.5	Ground Transportation	-6.3	-10.0
Media		1	Orouna Hansportation	-0.5	
Media Flectronic Fauinment Instruments & Components			Multi-I Itilities	-U 3	-96
Media Electronic Equipment Instruments & Components T Services	-0.8 2.2	1.5 0.1	Multi-Utilities Equity Real Estate Investment Trusts (REITs)	-0.3 -8.9	-9.6 -9.6

Source: BofA US Equity & Quant Strategy



Performance Attribution

Table 19: S&P 500 Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March Return	Contrib.	Last 3 Months Return	Contrib.	Year to Date Return	Contrib.	Weight
Core Index	3.7		7.5		7.5		
GICS Sector							
Consumer Discretionary	3.2	0.3	16.2	1.6	16.2	1.6	10.2
Consumer Staples	4.0	0.3	0.6	0.1	0.6	0.1	7.2
Energy	-0.2	0.0	-4.6	-0.2	-4.6	-0.2	4.8
Financials	-7.5	-1.1	-3.4	-0.6	-3.4	-0.6	14.5
Health Care	2.2	0.3	-4.4	-0.7	-4.4	-0.7	14.3
Industrials	0.7	0.1	3.6	0.3	3.6	0.3	8.9
Information Technology	12.1	2.9	23.1	5.5	23.1	5.5	24.1
Materials	-1.0	0.0	4.3	0.1	4.3	0.1	2.8
Real Estate	-1.0 -1.4	0.0	2.0	0.1	2.0	0.1	2.6
Communication Services							
	10.4	0.8	20.5	1.5	20.5	1.5	7.7
Utilities	4.9	0.1	-3.2	-0.1	-3.2	-0.1	2.8
Market Cap						1	
Q1 (Largest)	5.7	3.8	9.9	6.7	9.9	6.7	67.5
Q2	1.2	0.2	1.9	0.3	1.9	0.3	15.3
Q3	-1.0	-0.1	3.7	0.3	3.7	0.3	8.9
Q4	-2.7	-0.1	1.5	0.1	1.5	0.1	5.4
Q5 (Smallest)	-3.1	-0.1	3.6	0.1	3.6	0.1	3.0
P/E							
O1 (Lowest)	-6.3	-0.9	-4.7	-0.7	-4.7	-0.7	14.5
Q2	0.7	0.1	2.2	0.4	2.2	0.4	15.8
Q2 Q3	4.0	0.7	6.8	1.4	6.8	1.4	17.1
04	7.6		8.8		8.8		33.2
		2.5		2.8		2.8	
05 (Highest)	6.9	1.3	18.1	2.9	18.1	2.9	18.8
VA	-7.0	0.0	13.5	0.7	13.5	0.7	0.6
ROE						7	
Q1 (Highest)	7.4	2.2	11.3	3.4	11.3	3.4	29.9
Q2	3.8	0.9	7.3	1.7	7.3	1.7	23.4
Q3	2.4	0.4	9.0	1.2	9.0	1.2	15.0
Q4	-2.1	-0.3	1.9	0.3	1.9	0.3	12.5
Q5 (Lowest)	3.1	0.4	6.7	0.7	6.7	0.7	13.7
NA	1.0	0.1	3.7	0.3	3.7	0.3	5.6
PRICE	1.0	0.1	5.7	0.5	5.1	0.5	5.0
Q1 (Highest)	6.5	1.9	6.8	2.1	6.8	2.1	29.7
02	4.8	1.4	12.5	3.5	12.5	3.5	29.5
Q3	3.1	0.6	7.3	1.8	7.3	1.8	19.9
04	0.8	0.1	1.2	0.2	1.2	0.2	10.6
Q5 (Lowest)	-3.1	-0.3	1.6	0.1	1.6	0.1	10.2
LTG						,	
Q1 (Highest)	5.5	1.1	17.5	3.1	17.5	3.1	19.9
Q2	5.4	1.0	4.7	0.8	4.7	0.8	17.8
Q3	6.1	1.3	11.0	2.3	11.0	2.3	22.0
04	1.1	0.2	-1.1	-0.2	-1.1	-0.2	17.8
O5 (Lowest)	0.1	0.0	4.6	0.7	4.6	0.7	12.2
VA	0.7	0.0	9.1	0.8	9.1	0.8	10.4
Beta	0.7	0.1	J. I	0.0	٦.١	0.0	10.4
	1.5	0.2	18.9	2.2	18.9	2.2	13.2
Q1 (Highest)		0.2					
Q2	6.0	1.4	17.0	3.8	17.0	3.8	23.2
23	2.4	0.5	5.2	1.2	5.2	1.2	21.6
Q4	5.1	1.0	5.1	1.1	5.1	1.1	19.9
Q5 (Lowest)	2.6	0.6	-3.1	-0.7	-3.1	-0.7	22.1
EPS Estimate Revision							
Q1 (Highest)	3.4	0.5	5.5	0.9	5.5	0.9	14.4
- 1 5 /			0.1	0.1	0.1	0.1	22.3
	21						
	2.1 6.5	0.5					
02 Q3 04	6.5	1.4	5.3	1.2	5.3	1.2	21.1
Q3 Q4	6.5 5.6	1.4 1.3	5.3 15.3	1.2 3.9	5.3 15.3	1.2 3.9	21.1 23.6
Q3	6.5	1.4	5.3	1.2	5.3	1.2	21.1

Source: BofA US Equity and US Quant Strategy



S&P 500 Growth

Table 20: S&P 500 Growth Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March Return	Contrib.	Last 3 Months Return	Contrib.	Year to Date Return	Contrib.	Weight
Growth Index	5.9		9.6		9.6		
GICS Sector							
Consumer Discretionary	3.3	0.3	20.8	1.9	20.8	1.9	10.0
Consumer Staples	4.3	0.3	0.7	0.1	0.7	0.1	7.2
Energy	0.0	0.0	-5.4	-0.4	-5.4	-0.4	7.7
Financials	-1.7	-0.1	1.8	0.0	1.8	0.0	7.9
Health Care	2.7	0.5	-5.8	-1.2	-5.8	-1.2	19.2
Industrials Information Technology	0.6 12.3	0.0 3.9	1.4 25.6	0.1	1.4 25.6	0.1	5.8 32.0
	-3.2	-0.1	<u>25.6</u> 4.4	8.1 0.1		8.1 0.1	32.0 2.4
Materials Real Estate	-3.2 1.2	-0.1 0.0	1.2	0.1	4.4 1.2	0.1	0.8
Communication Services	14.3	0.0	16.2	1.1	16.2	1.1	6.5
Utilities	2.5	0.9	-1.7	0.0	-1.7	0.0	0.5
Market Cap	2.3	0.0	-1./	0.0	-1.7	0.0	0.5
Q1 (Largest)	7.5	5.3	12.1	8.6	12.1	8.6	71.5
O2	2.5	0.3	2.8	0.4	2.8	0.4	13.9
Q3	2.5	0.2	6.0	0.4	6.0	0.4	7.4
04	-0.2	0.0	3.8	0.2	3.8	0.2	4.7
Q5 (Smallest)	-0.3	0.0	0.7	0.0	0.7	0.0	2.5
P/E	0.5	0.0	0.7	0.0	0.7	0.0	2.5
Q1 (Lowest)	-0.5	-0.1	-4.5	-0.8	-4.5	-0.8	14.6
Q2	4.6	1.0	4.4	1.0	4.4	1.0	21.5
Q3	2.5	0.3	7.6	1.6	7.6	1.6	11.1
Q4	9.4	3.2	9.1	3.2	9.1	3.2	33.9
O5 (Highest)	7.6	1.4	26.0	4.0	26.0	4.0	18.7
NA	15.8	0.0	41.8	0.5	41.8	0.5	0.1
ROE							
Q1 (Highest)	7.8	2.2	13.4	3.6	13.4	3.6	27.4
Q2	5.4	1.3	10.5	2.4	10.5	2.4	23.4
Q3	5.6	1.2	6.9	1.7	6.9	1.7	21.0
04	5.3	0.7	7.9	1.0	7.9	1.0	13.3
Q5 (Lowest)	4.8	0.5	9.5	0.8	9.5	0.8	9.6
NA	1.9	0.1	2.7	0.2	2.7	0.2	5.3
PRICE							
Q1 (Highest)	3.6	0.7	1.8	0.4	1.8	0.4	18.6
Q2	7.5	1.9	10.6	2.5	10.6	2.5	24.8
Q3	7.4	2.0	19.3	5.2	19.3	5.2	26.3
Q4	5.8	1.3	7.7	1.7	7.7	1.7	21.7
Q5 (Lowest)	1.1	0.1	-1.9	-0.2	-1.9	-0.2	8.4
LTG						7	
Q1 (Highest)	5.0	1.0	21.3	3.8	21.3	3.8	19.4
Q2	6.0	1.0	6.1	1.0	6.1	1.0	17.0
Q3	8.0	1.3	9.1	1.1	9.1	1.1	16.1
Q4	7.7	2.0	11.4	3.4	11.4	3.4	25.5
Q5 (Lowest)	2.7	0.5	<u>-2.4</u>	-0.1	<u>-2.4</u>	-0.1	16.9
NA Beta	2.9	0.2	11.0	0.4	11.0	0.4	5.1
	6.2	0.0	31.3	27	31.3	27	142
O1 (Highest) Q2	6.2 7.8	0.9 2.2	15.9	3.7 4.5	15.9	3.7 4.5	14.2 28.2
03	7.8	2.2	10.2	4.5 2.5	10.2	4.5 _ 2.5	26.2 25.2
Q4	1.0	0.1	-4.9	-0.8	-4.9	-0.8	25.2 14.3
Q4 Q5 (Lowest)	3.7	0.7	-4.9 -1.8	-0.3	-1.8	-0.8	18.2
EPS Estimate Revision	5.7	5.7	1.0	5.5	1.0	5.5	10.2
Q1 (Highest)	1.6	0.2	2.0	0.2	2.0	0.2	9.7
Q2	3.8	0.6	0.3	0.1	0.3	0.1	15.9
Q3	5.0	0.9	0.7	0.1	0.7	0.1	18.2
04	9.4	3.3	26.4	7.3	26.4	7.3	35.3
Q5 (Lowest)	4.2	0.9	10.2	2.0	10.2	2.0	21.0
NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Source PofA HS Equity and HS Quant Stratogy	-					=	

Source: BofA US Equity and US Quant Strategy



S&P 500 Value

Table 21: S&P 500 Value Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March	G	Last 3 Months		Year to Date	6	
Value Index	Return 1.3	Contrib.	Return 5.2	Contrib.	Return 5.2	Contrib.	Weight
GICS Sector	ı.J		J.Z		J.Z		
Consumer Discretionary	3.1	0.3	11.8	1.2	11.8	1.2	10.3
Consumer Staples	3.6	0.3	0.4	0.1	0.4	0.1	7.2
Energy	-1.0	0.0	-0.6	0.0	-0.6	0.0	1.6
Financials	-9.8	-2.1	-5.7	-1.2	-5.7	-1.2	21.7
Health Care	1.1	0.1	-0.9	-0.1	-0.9	-0.1	9.1
Industrials	0.8	0.1	4.7	0.6	4.7	0.6	12.4
Information Technology	11.6	1.8	17.4	2.7	17.4	2.7	15.6
Materials	0.8	0.0	4.2	0.1	4.2	0.1	3.2
Real Estate	-1.9	-0.1	2.1	0.1	2.1	0.1	4.7
Communication Services	7.3	0.6	24.3	1.9	24.3	1.9	8.9
Utilities	5.2	0.3	-3.4	-0.2	-3.4	-0.2	5.3
Market Cap							
Q1 (Largest)	3.3	2.0	7.2	4.5	7.2	4.5	61.5
02	-1.5	-0.3	0.8	0.2	0.8	0.2	17.6
Q3	-3.0	-0.3	1.8	0.2	1.8	0.2	10.6
Q4	0.1	0.0	5.6	0.4	5.6	0.4	6.7
Q5 (Smallest) P/E	-4.5	-0.2	0.8	0.0	0.8	0.0	3.6
O1 (Lowest)	-9.1	-1.9	-3.8	-0.8	-3.8	-0.8	20.4
Q2	0.6	0.1	4.0	0.8	4.0	0.8	15.2
Q3	3.3	0.6	5.9	0.9	5.9	0.9	17.4
Q4	<u> </u>	1.5	6.3	1.8	6.3	1.8	26.8
Q5 (Highest)	6.0	1.1	10.5	1.8	10.5	1.8	19.1
NA	-10.2	-0.1	9.4	0.9	9.4	0.9	1.1
ROE							
Q1 (Highest)	6.1	1.2	9.0	1.9	9.0	1.9	20.0
02	3.3	0.6	10.9	1.8	10.9	1.8	18.1
Q3	-2.7	-0.4	0.4	-0.1	0.4	-0.1	16.1
04	-2.9	-0.5	0.7	0.4	0.7	0.4	19.0
Q5 (Lowest)	2.2	0.5	5.8	1.0	5.8	1.0	20.9
NA	0.1	0.0	4.5	0.4	4.5	0.4	5.8
PRICE							
Q1 (Highest)	4.7	1.2	6.7	1.9	6.7	1.9	26.6
Q2	2.9	0.7	8.9	2.0	8.9	2.0	24.3
Q3	0.6	0.1	3.6	1.0	3.6	1.0	20.1
Q4	-0.6 -3.9	-0.1	2.1	0.3	2.1	0.3	14.1
Q5 (Lowest)	-3.9	-0.6	1.8	0.3	1.8	0.3	14.7
LTG O1 (Highest)	2.4	0.4	10.9	1.9	10.9	1.9	15.1
	5.3		5.4		5.4	0.8	17.1
Q2 Q3	3.0	0.9 0.5	5.4 2.9	0.8 0.1	2.9	0.8	16.5
04	-0.9	-0.2	-0.8	-0.2	-0.8	-0.2	20.8
O5 (Lowest)	-1.8	-0.2	7.4	1.4	7.4	-0.2 1.4	14.3
NA NA	-0.1	0.0	8.4	1.3	8.4	1.3	16.2
Beta	0.1	0.0	0.4	1.5	0.4	1.5	10.2
O1 (Highest)	-4.4	-0.6	3.9	0.5	3.9	0.5	14.5
Q2	3.8	0.8	16.1	3.8	16.1	3.8	21.9
Q3	-1.1	-0.3	1.1	0.5	1.1	0.5	22.6
Q4	4.7	1.0	6.5	1.2	6.5	1.2	21.1
Q5 (Lowest)	2.5	0.5	-2.4	-0.5	-2.4	-0.5	19.8
EPS Estimate Revision							
Q1 (Highest)	4.3	0.8	7.8	1.7	7.8	1.7	19.4
Q2	1.7	0.4	0.8	0.2	0.8	0.2	21.9
Q3	3.0	0.7	3.2	0.6	3.2	0.6	21.8
Q4	-0.5	-0.1	3.8	1.0	3.8	1.0	16.8
Q5 (Lowest)	-1.9	-0.4	11.1	1.8	11.1	1.8	19.7
NA	-24.5	-0.1	-18.9	-0.1	-18.9	-0.1	0.4
C D SAUGE 1: 1110 0 . C: .							

Source: BofA US Equity and US Quant Strategy



Russell 1000

Table 22: Russell 1000 Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March Return	Contrib.	Last 3 Months Return	Contrib.	Year to Date Return	Contrib.	Weight
Core Index	3.2		7.5		7.5		
GICS Sector	2.0	0.2	15.5	1.5	15.5	1.5	10.2
Consumer Stanles	2.8 3.9	0.3 0.3	15.5 0.7	1.5 0.1	15.5 0.7	1.5	10.3
Consumer Staples			-5.1		-5.1	0.1	6.7
Energy Eigensiels	-0.5 -7.8	0.0	<u>-5.1</u> -2.9	-0.2 -0.5	-5.1 -2.9	-0.2 -0.5	4.7 14.8
Financials Health Care	2.3	-1.1 0.3	-2.9 -3.8	-0.5 -0.6	-2.9 -3.8	-0.5 -0.6	14.0
Industrials	0.1	0.0	4.6	0.4	4.6	0.4	9.8
Information Technology	11.4	2.7	22.6	5.3	22.6	5.3	23.5
Materials	-1.3	0.0	4.6	0.1	4.6	0.1	3.0
Real Estate	-1.8	-0.1	1.8	0.1	1.8	0.1	3.1
Communication Services	10.0	0.7	20.3	1.4	20.3	1.4	7.4
Utilities	4.8	0.1	-3.2	-0.1	-3.2	-0.1	2.7
Market Cap							
Q1 (Largest)	4.9	3.6	8.4	6.3	8.4	6.3	74.7
02	-1.2	-0.2	4.0	0.6	4.0	0.6	13.8
Q3	-1.1	-0.1	5.3	0.3	5.3	0.3	6.2
Q4	-4.1	-0.1	4.3	0.2	4.3	0.2	3.6
Q5 (Smallest)	-4.8	-0.1	6.4	0.1	6.4	0.1	1.7
P/E	C 1	0.0	4.5	0.6	4.5	0.6	12.0
Q1 (Lowest) Q2	-6.1 -1.4	-0.8 -0.2	-4.5 3.0	-0.6 0.6	-4.5 3.0	-0.6 0.6	12.8 15.8
Q2 Q3	3.3	0.6	4.2	0.0	4.2	0.0	18.8
Q4	7.0	2.4	10.1	3.5	10.1	3.5	33.9
O5 (Highest)	6.8	1.2	17.8	2.7	17.8	2.7	16.9
NA	1.1	0.0	16.5	0.7	16.5	0.7	1.8
ROE		0.0	10.5	0.7	10.5	0.7	
Q1 (Highest)	6.2	2.2	11.1	3.8	11.1	3.8	34.9
Q2	4.8	1.1	9.8	2.1	9.8	2.1	22.4
Q3	-2.9	-0.4	-1.6	-0.1	-1.6	-0.1	12.4
04	-0.9	-0.1	4.5	0.8	4.5	0.8	14.5
Q5 (Lowest)	3.1	0.3	10.4	0.9	10.4	0.9	10.4
NA	1.6	0.1	1.2	0.1	1.2	0.1	5.5
PRICE							
O1 (Highest)	5.4	2.1	6.7	2.6	6.7	2.6	38.5
Q2	3.0	0.9	9.6	2.6	9.6	2.6	28.7
Q3 Q4	3.8 -3.5	0.7 -0.4	9.9 0.9	1.9	9.9 0.9	1.9 0.1	17.8
Q4 Q5 (Lowest)	-3.5 -1.7	-0.4 -0.1	<u>0.9</u> 4.6	0.1 0.2	0.9 4.6	0.1	10.7 4.3
LTG	-1.7	-0.1	4.0	0.2	4.0	0.2	4.3
Q1 (Highest)	3.8	0.5	16.9	2.5	16.9	2.5	14.2
Q2	6.1	1.3	8.4	1.8	8.4	1.8	21.4
Q3	5.5	1.1	10.1	2.0	10.1	2.0	20.5
Q4	1.2	0.2	-1.5	-0.2	-1.5	-0.2	18.2
Q5 (Lowest)	-0.1	0.0	4.0	0.6	4.0	0.6	11.4
NA	-0.2	0.0	6.2	0.8	6.2	0.8	14.3
Beta							
O1 (Highest)	1.3	0.1	22.6	2.1	22.6	2.1	10.7
Q2	4.4	0.9	16.0	3.2	16.0	3.2	21.2
03	2.6	0.6	6.9	1.6	6.9	1.6	23.7
Q4	4.3	0.9	5.6 -2.7	1.2	5.6	1.2	21.3
Q5 (Lowest)	2.4	0.6	-2./	-0.7	-2.7	-0.7	23.1
EPS Estimate Revision Q1 (Highest)	2.8	0.4	7.6	1.0	7.6	1.0	13.9
Q1 (nignest) Q2	2.0	0.4	1.2	0.4	1.2	0.4	24.6
Q2 Q3	3.1	0.5	2.9	0.4	2.9	0.4	13.8
04	6.5	1.9	16.2	4.4	16.2	4.4	29.4
Q5 (Lowest)	-0.4	-0.1	8.8	1.4	8.8	1.4	18.0
NA	0.8	0.0	12.2	0.0	12.2	0.0	0.2
Source PofA US Equity and US Quant Stratony	5.0	5.0	1 4.4	5.0	12.2	0.0	5.2

Source: BofA US Equity and US Quant Strategy



Russell 1000 Growth

Table 23: Russell 1000 Growth Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March Return	Contrib.	Last 3 Months Return	Contrib.	Year to Date Return	Contrib.	Weight
Growth Index	6.8		14.4		14.4		
GICS Sector							
Consumer Discretionary	4.1	0.6	20.1	2.8	20.1	2.8	14.7
Consumer Staples	4.1	0.3	1.9	0.1	1.9	0.1	6.1
Energy	-0.6	0.0	-8.3	-0.1	-8.3	-0.1	1.5
Financials	-1.6	-0.1	5.4	0.1	5.4	0.1	7.3
Health Care	3.4	0.4	-1.2	-0.2	-1.2	-0.2	12.0
Industrials	0.7	0.1	5.4	0.4	5.4	0.4	8.7
Information Technology	11.9	4.7	23.8	9.5	23.8	9.5	39.9
Materials	-1.6	0.0	2.7	0.0	2.7	0.0	1.4
Real Estate	1.5	0.0	1.9	0.0	1.9	0.0	1.5
Telecommunication Services	13.3	0.9	20.7	1.4	20.7	1.4	6.8
Utilities	5.2	0.0	-3.8	0.0	-3.8	0.0	0.0
Market Cap							
Q1 (Largest)	8.1	6.5	15.4	12.3	15.4	12.3	80.1
02	3.3	0.4	10.9	1.2	10.9	1.2	11.3
Q3	-0.9	0.0	7.0	0.4	7.0	0.4	5.1
04	-0.9	0.0	9.8	0.2	9.8	0.2	2.4
Q5 (Smallest)	-0.1	0.0	13.0	0.1	13.0	0.1	1.1
P/E							
Q1 (Lowest)	-2.1	-0.1	2.1	0.2	2.1	0.2	4.9
Q2	4.0	0.9	8.0	1.3	8.0	1.3	22.4
Q3	8.2	2.1	13.9	4.5	13.9	4.5	25.3
Q4	8.9	2.3	15.4	3.5	15.4	3.5	25.5
Q5 (Highest)	8.3	1.7	24.4	3.6	24.4	3.6	20.0
NA	2.1	0.0	16.3	1.0	16.3	1.0	1.9
ROE							
Q1 (Highest)	6.5	2.2	12.4	4.1	12.4	4.1	33.5
02	7.3	2.3	14.0	4.2	14.0	4.2	31.4
Q3	8.9	1.4	19.6	3.1	19.6	3.1	15.6
04	4.9	0.3	17.8	1.7	17.8	1.7	6.4
Q5 (Lowest)	6.8	0.6	17.3	0.8	17.3	0.8	8.6
NA PRISE	1.4	0.1	5.2	0.2	5.2	0.2	4.4
PRICE	0.4	2.2	0.6	2.7	0.5	2.7	20.2
Q1 (Highest)	8.4	3.2	9.6	3.7	9.6	3.7	38.3
Q2	6.3	2.1	18.6	6.0	18.6	6.0	33.7
Q3	6.8	1.4	15.7	3.5	15.7	3.5	20.9
Q4	2.4	0.1	10.1	0.5	10.1	0.5	4.8
Q5 (Lowest)	-2.0	0.0	13.7	0.3	13.7	0.3	2.2
LTG	C 4	1.0	27.0	2.4	27.0	2.4	140
Q1 (Highest)	6.4	1.0	27.0	3.4	27.0	3.4	14.9
Q2	6.7	1.1	14.6	2.4	14.6	2.4	17.2
Q3	8.6	1.8	12.5	2.7	12.5	2.7	20.4
04	7.9 4.3	2.0	14.1	3.7	14.1	3.7	25.9
Q5 (Lowest)		0.4	6.0	0.6	6.0	0.6	10.1
NA Beta	4.3	0.5	14.2	1.2	14.2	1.2	11.5
O1 (Highest)	6.1	0.7	40.7	2.0	40.7	3.9	11.0
	8.9	0.7 2.4	20.6	3.9 5.3	20.6		11.8
Q2 Q3	6.4	2.4 1.4	20.6 12.2	5.3 2.7	20.6 12.2	5.3 2.7	27.2 21.9
Q3 Q4	7.7	1.4	11.1	2.7	11.1	2.7	21.9
Q5 (Lowest)	3.4	0.6	-1.2	-0.2	-1.2	-0.2	17.0
EPS Estimate Revision	3.4	U.D	-1.2	-U.Z	-1.∠	-U.Z	17.0
	3.0	0.5	10.6	0.0	10.6	0.0	10.2
Q1 (Highest)		0.3		0.9		0.9	10.2
Q2 Q3	4.9 5.5	0.8	4.5 8.5	0.9	<u>4.5</u> 8.5	0.9	17.1 16.6
Q3	5.5	0.9		1.3		1.3	16.6
Q4 Q5 (Lowest)	10.6 3.7	4.2	24.8	9.0 2.2	24.8 11.6	9.0	39.2 16.8
Q5 (Lowest) NA	-1.0	0.6 0.0	11.6 7.2	2.2 0.0	7.2	2.2 0.0	16.8 0.0
	-1.0	0.0	1.4	U.U	1.2	0.0	0.0
Source: BofA US Equity and US Quant Strategy							

Source: BofA US Equity and US Quant Strategy



Russell 1000 Value

Table 24: Russell 1000 Value Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March Return	Contrib.	Last 3 Months Return	Contrib.	Year to Date Return	Contrib.	Weight
Value Index	-0.5		1.0		1.0		Ö
GICS Sector							
Consumer Discretionary	-0.3	0.0	5.4	0.3	5.4	0.3	5.9
Consumer Staples	3.7	0.3	-0.3	0.0	-0.3	0.0	7.3
Energy	-0.4	0.0	-4.5	-0.4	-4.5	-0.4	8.0
Financials	-9.8	-2.2	-5.2	-1.2	-5.2	-1.2	22.1
Health Care	1.4	0.2	-5.7	-0.9	-5.7	-0.9	16.0
Industrials	-0.3	0.0	3.9	0.4	3.9	0.4	10.9
Information Technology	8.9	0.6	16.7	1.3	16.7	1.3	7.3
Materials	-1.2	-0.1	5.2	0.2	5.2	0.2	4.5
Real Estate	-2.9	-0.1	1.8	0.1	1.8	0.1	4.6
Telecommunication Services	7.2	0.6	19.9	1.5	19.9	1.5	8.1
Utilities	4.8	0.0	-3.2	-0.2	-3.2	-0.2	5.3
	4.0	0.3	-3.2	-0.2	-3.2	-0.2	5.5
Market Cap	0.0	0.6	0.6	٥٦	0.6	0.5	67.0
Q1 (Largest)	0.8	0.6	0.6	0.5	0.6	0.5	67.8
02	-2.5	-0.4	1.0	0.2	1.0	0.2	17.2
Q3	-2.4	-0.2	2.9	0.2	2.9	0.2	7.7
Q4	-4.6	-0.2	3.1	0.1	3.1	0.1	4.9
Q5 (Smallest)	-6.7	-0.2	3.2	0.1	3.2	0.1	2.4
P/E							
Q1 (Lowest)	-7.4	-1.4	-5.6	-1.3	-5.6	-1.3	18.3
Q2	-3.2	-0.7	0.6	0.4	0.6	0.4	20.3
Q3	2.4	0.5	3.0	0.7	3.0	0.7	22.8
Q4	2.1	0.5	0.2	0.1	0.2	0.1	25.0
Q5 (Highest)	4.1	0.5	6.9	1.0	6.9	1.0	11.8
NA	0.0	0.0	18.3	0.4	18.3	0.4	1.7
ROE							
Q1 (Highest)	1.1	0.2	-1.1	-0.1	-1.1	-0.1	17.6
Q2	1.2	0.3	3.9	0.7	3.9	0.7	22.4
Q3	-4.8	-0.9	-3.3	-0.6	-3.3	-0.6	18.9
04	-1.0	-0.2	2.2	0.4	2.2	0.4	20.2
Q5 (Lowest)	0.5	0.1	5.1	0.4	5.1	0.4	14.3
NA	1.7	0.1	-0.2	0.0	-0.2	0.0	6.6
PRICE	1.7	0.1	-0.2	0.0	-0.2	0.0	0.0
O1 (Highest)	2.2	0.7	0.3	0.2	0.3	0.2	32.3
	-0.8	-0.2	2.3	0.2 0.8	0.5 2.3	0.2	
Q2 Q3	-0.8 -0.4	-0.2 -0.1		0.8		0.8	26.6
			1.4		1.4		17.2
Q4	-4.6	-0.8	-1.1	-0.1	-1.1	-0.1	17.2
Q5 (Lowest)	-1.5	-0.1	2.9	0.2	2.9	0.2	6.7
LTG							
Q1 (Highest)	1.3	0.2	5.9	0.8	5.9	0.8	13.7
Q2	0.0	0.0	-2.3	-0.3	-2.3	-0.3	12.7
Q3	1.5	0.2	2.0	0.3	2.0	0.3	15.6
Q4	-0.7	-0.2	-3.1	-0.7	-3.1	-0.7	24.6
Q5 (Lowest)	-1.0	-0.2	3.3	0.6	3.3	0.6	16.3
NA	-3.2	-0.5	2.0	0.5	2.0	0.5	17.2
Beta							
O1 (Highest)	-4.4	-0.4	4.7	0.5	4.7	0.5	9.0
Q2	-3.2	-0.5	3.7	0.6	3.7	0.6	15.7
Q3	-0.7	-0.2	4.0	1.0	4.0	1.0	26.3
Q4	0.3	0.1	0.3	0.1	0.3	0.1	19.7
Q5 (Lowest)	2.0	0.6	-3.6	-1.1	-3.6	-1.1	29.3
EPS Estimate Revision	-					• •	
Q1 (Highest)	2.7	0.5	-1.2	1.0	-1.2	1.0	17.1
Q2	0.5	0.3	-2.7	0.1	-2.7	0.1	27.5
Q3	-0.8	-0.1	-4.3	-0.8	-2.7 -4.3	-0.8	13.8
Q4	-0.8 1.8	-0.1 -0.4	- 4. 3	0.4	-4.3 -6.1	-0.6 0.4	22.2
Q5 (Lowest)	-1.8 -2.8	-0.4 -0.5	- 0.1 -5.7	0.4	- 0.1 -5.7	0.4	19.2
NA	- <u>-2.8</u> 1.1		-5.7 3.1		-5.7 3.1		
	1.1	0.0	J. I	0.0	5.1	0.0	0.3
Source: BofA US Fouity and US Quant Strategy							

Source: BofA US Equity and US Quant Strategy



Russell Midcap

Table 25: Russell Midcap Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	Ma	rch	Last Thre	ee Months	Year t	o date	
	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight
Core Index	-1.5	_	4.0	_	4.0	_	
Market Cap Size Quintile		ı					
Q1 (Largest)	-0.4	-0.2	3.8	1.9	3.8	1.9	48.3
Q2	-1.5	-0.3	3.5	0.9	3.5	0.9	22.8
Q3	-2.3	-0.3	5.3	0.8	5.3	0.8	14.4
Q4	-4.1	-0.4	4.5	0.4	4.5	0.4	9.6
Q5 (Smallest)	-5.7	-0.3	5.4	0.3	5.4	0.3	5.0
P/E Quintile							
Q1 (Lowest)	-9.7	-1.3	-2.6	-0.4	-2.6	-0.4	13.7
Q2	-4.3	-0.8	3.6	0.6	3.6	0.6	17.8
Q2 Q3	-4.5 -1.9	-0.6	0.6	0.2	0.6	0.0	21.6
Q3 Q4	1.3	0.3	4.2	1.0	4.2	1.0	21.0
Q5 (Highest)	3.0	0.6	8.3	1.7	8.3	1.7	20.7
Nonearnings Stories	1.8	0.1	21.9	1.1	21.9	1.1	4.9
ROE Quintile		-1.5					
Q1 (Highest)	0.3	0.1	7.1	1.7	7.1	1.7	25.7
Q2	-1.7	-0.3	3.3	0.8	3.3	0.8	19.9
Q3	-5.3	-1.0	-1.5	-0.2	-1.5	-0.2	19.1
Q4	-1.0	-0.2	2.7	0.6	2.7	0.6	18.2
Q5 (Lowest)	-0.5	-0.1	8.7	1.4	8.7	1.4	17.1
Beta Quintile	5.5	-1.523	J.,		5.7		17.1
Q1 (Lowest)	0.0	0.0	-0.7	-0.1	-0.7	-0.1	23.0
	-1.0		2.1		2.1	0.5	
Q2		-0.2		0.5			21.7
Q3	-3.1	-0.6	0.9	0.3	0.9	0.3	20.7
Q4	-2.5	-0.5	9.6	1.8	9.6	1.8	19.6
Q5 (Highest)	-1.2	-0.2	13.2	1.8	13.2	1.8	15.0
Debt to Capital		-1.523					
Q1 (Highest)	-0.8	-0.1	5.4	1.0	5.4	1.0	18.2
Q2	-3.6	-0.7	-0.7	0.1	-0.7	0.1	19.8
Q3	-2.8	-0.6	2.6	0.6	2.6	0.6	20.1
Q4	-1.7	-0.4	3.8	0.8	3.8	0.8	21.7
Q5 (Lowest)	1.3	0.3	10.1	1.8	10.1	1.8	20.2
Stock Price	1.5	-1.5	10.1	1.0	10.1	1.0	20.2
	11.0	1	7.0	0.0	7.0	0.0	0.1
<=5	-11.8	0.0	-7.0	0.0	-7.0	0.0	0.1
>5, <=10	-4.8	0.0	17.1	0.3	17.1	0.3	0.7
>10, <=20	-6.5	-0.3	0.7	0.0	0.7	0.0	4.3
>20	-1.3	-1.2	4.0	3.8	4.0	3.8	94.9
Long-Term Earnings Growth		-1.5					
<=10%	-1.8	-0.6	0.9	0.5	0.9	0.5	32.3
>10%, <=20%	0.5	0.1	5.8	1.2	5.8	1.2	24.4
>20%	-0.4	0.0	5.4	0.7	5.4	0.7	11.5
NA NA	-3.1	-1.0	5.4	1.8	5.4	1.8	31.8
Dividend Yield	5.1	-1.5	5. 1	1.0	5. 1	1.0	51.0
Yield	-2.7	-1.9	1.2	0.9	1.2	0.9	68.6
No Yield	1.1	0.4	10.7	3.3	10.7	3.3	31.4
GICS Sector		-1.5	0.0				
Consumer Discretionary	-0.1	0.0	8.0	1.0	8.0	1.0	11.7
Consumer Staples	3.3	0.1	3.1	0.1	3.1	0.1	3.8
Energy	-3.7	-0.2	-7.9	-0.4	-7.9	-0.4	4.8
Financials	-12.8	-1.9	-6.3	-0.9	-6.3	-0.9	14.9
Health Care	2.0	0.2	3.4	0.4	3.4	0.4	10.6
Industrials	-0.9	-0.2	8.0	1.3	8.0	1.3	17.1
Information Technology	4.4	0.6	14.0	2.0	14.0	2.0	14.2
		-0.3	4.1	0.3	4.1	0.3	6.4
Matorials	-3 U			11.3	4 1	U)	0.4
	-3.9 4.1						7 /
Materials Real Estate	-4.1	-0.3	0.5	0.1	0.5	0.1	7.4
							7.4 3.5 5.4

Source: BofA US Equity and US Quant Strategy



Russell Midcap Growth

Table 26: Russell Midcap Growth Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March		Last Thre	e Months	Year t		
	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight
Core Index	1.4	_	9.1	_	9.1	_	
Market Cap Size Quintile		1					
Q1 (Largest)	3.0	1.5	9.2	4.6	9.2	4.6	49.1
Q2	0.1	0.0	8.6	2.1	8.6	2.1	25.3
Q3	0.8	0.1	8.7	1.2	8.7	1.2	13.7
Q4	-2.7	-0.2	7.7	0.6	7.7	0.6	7.8
Q5 (Smallest)	-0.4	0.0	14.9	0.6	14.9	0.6	4.1
P/E Quintile							
Q1 (Lowest)	-6.7	-0.7	2.0	0.2	2.0	0.2	10.2
Q2	-4.4	-0.7	5.4	0.6	5.4	0.6	16.4
Q3	1.2	0.2	6.0	1.3	6.0	1.3	20.4
Q4	4.2	1.0	10.9	2.6	10.9	2.6	23.5
Q5 (Highest)	5.8	1.3	12.6	2.8	12.6	2.8	21.8
=	3.5	0.3	20.6	1.6	20.6	1.6	7.8
Nonearnings Stories	5.5	0.5	20.0	1.0	20.0	1.0	7.0
ROE Quintile	1 7	0.5	6.3	1 7	6.2	1.7	20.7
Q1 (Highest)	1.7	0.5	6.3	1.7	6.3	1.7	29.7
Q2	1.8	0.4	10.5	2.9	10.5	2.9	24.2
Q3	-1.3	-0.2	5.4	1.0	5.4	1.0	16.0
Q4	3.8	0.5	17.6	2.1	17.6	2.1	12.7
Q5 (Lowest)	0.8	0.1	8.7	1.4	8.7	1.4	17.4
Beta Quintile		•					
Q1 (Lowest)	0.4	0.1	2.5	0.5	2.5	0.5	18.1
Q2	0.7	0.1	3.1	0.7	3.1	0.7	20.8
Q3	1.3	0.3	7.8	1.9	7.8	1.9	21.3
Q4	3.0	0.7	17.8	3.7	17.8	3.7	23.7
Q5 (Highest)	1.0	0.2	15.2	2.4	15.2	2.4	16.1
Debt to Capital							
Q1 (Highest)	0.4	0.1	5.6	1.2	5.6	1.2	20.4
Q2	0.7	0.1	7.3	1.5	7.3	1.5	20.1
Q3	-2.6	-0.5	7.2	1.3	7.2	1.3	18.7
Q4	2.2	0.4	6.6	1.3	6.6	1.3	18.4
	5.4		18.8				
Q5 (Lowest)	5.4	1.2	18.8	3.8	18.8	3.8	22.4
Stock Price	1.0	0.0	26.2	0.0	26.2	0.0	0.0
<=5 	-1.9	0.0	26.2	0.0	26.2	0.0	0.0
>5, <=10	1.2	0.0	42.3	0.5	42.3	0.5	0.8
>10, <=20	-2.7	-0.1	15.2	0.2	15.2	0.2	2.3
>20	1.5	1.4	8.7	8.4	8.7	8.4	96.9
Long-Term Earnings Growth							
<=10%	0.7	0.1	5.0	1.0	5.0	1.0	17.1
>10%, <=20%	2.3	0.8	9.0	3.0	9.0	3.0	36.9
>20%	1.4	0.3	8.3	1.8	8.3	1.8	17.9
NA	0.5	0.2	12.6	3.3	12.6	3.3	28.1
Dividend Yield	0.5	0.2	12.0	5.5	12.0	5.5	20.1
Yield	-0.2	-0.1	5.6	2.8	5.6	2.8	47.9
No Yield	2.8				12.4		
	2.6	1.5	12.4	6.4	12.4	6.4	52.1
GICS Sector	2.2	0.0					
Consumer Discretionary	2.3	0.3	10.1	1.5	10.1	1.5	15.0
Consumer Staples	3.5	0.1	8.2	0.2	8.2	0.2	3.2
Energy	-4.3	-0.2	-9.6	-0.4	-9.6	-0.4	4.4
Financials	-7.9	-0.6	2.8	0.1	2.8	0.1	7.4
Health Care	3.1	0.5	5.9	1.0	5.9	1.0	16.7
Industrials	0.6	0.1	10.4	1.7	10.4	1.7	17.9
Information Technology	4.4	1.1	15.0	3.9	15.0	3.9	25.2
Materials	-5.6	-0.2	0.9	0.1	0.9	0.1	3.8
		-0.1		0.0	0.7	0.0	2.0
Real Estate	-4.8	-U. I	0.7	0.0	U. /	0.0	2.0
Real Estate Communication Services	-4.8 5.7	0.2	0.7 27.9	1.0	27.9	1.0	4.2

Source: BofA US Equity and US Quant Strategy



Russell Midcap Value Table 27: Russell Midcap Value Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	Ма	rch	Last Thro	ee Months	Year t	o date		
	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight	
Core Index	-3.1	_	1.3	_	1.3	_		
Market Cap Size Quintile								
Q1 (Largest)	-2.7	-1.3	0.0	0.1	0.0	0.1	46.7	
Q2	-1.6	-0.4	1.3	0.4	1.3	0.4	22.4	
Q3	-3.5	-0.5	4.8	0.8	4.8	0.8	14.7	
Q4	-5.6	-0.6	2.3	0.3	2.3	0.3	10.6	
Q5 (Smallest)	-7.0	-0.4	2.6	0.2	2.6	0.2	5.5	
	-7.0	-0.4	2.0	0.2	2.0	0.2	ر. ی	
P/E Quintile	10.5	1.6	2.2	1 05	2.2	0.5	15.4	
Q1 (Lowest)	-10.5	-1.6	-3.3	-0.5	-3.3	-0.5	15.4	
Q2	-5.3	-1.1	2.0	0.3	2.0	0.3	20.1	
Q3	-0.4	-0.1	1.8	0.4	1.8	0.4	22.7	
Q4	-1.1	-0.2	-0.3	0.0	-0.3	0.0	21.9	
Q5 (Highest)	-0.6	-0.1	2.0	0.5	2.0	0.5	16.6	
Nonearnings Stories	-0.3	0.0	22.6	0.9	22.6	0.9	3.4	
ROE Quintile		-3.1						
Q1 (Highest)	-2.6	-0.4	5.5	0.8	5.5	0.8	17.0	
Q2	-2.8	-0.6	0.0	0.1	0.0	0.1	20.1	
Q3	-5.4	-1.2	-2.1	-0.4	-2.1	-0.4	21.9	
	-1.6	-0.3	1.4				20.2	
Q4				0.3	1.4	0.3		
Q5 (Lowest)	-2.9	-0.6	3.7	0.8	3.7	0.8	20.8	
Beta Quintile		-3.126		1				
Q1 (Lowest)	0.4	0.1	-1.7	-0.4	-1.7	-0.4	24.5	
Q2	-1.4	-0.3	0.9	0.3	0.9	0.3	23.1	
Q3	-4.6	-0.9	-0.9	-0.2	-0.9	-0.2	19.7	
Q4	-4.7	-0.8	3.8	0.7	3.8	0.7	17.5	
Q5 (Highest)	-7.7	-1.1	6.8	1.1	6.8	1.1	14.8	
Debt to Capital		-3.121						
Q1 (Highest)	-3.4	-0.5	1.4	0.3	1.4	0.3	14.4	
Q2	-2.9	-0.6	-0.5	-0.1	-0.5	-0.1	21.5	
Q3	-4.6	-0.9	-0.8	0.0	-0.8	0.0	20.4	
Q4	-4.0 -2.7	-0.5	2.6	0.5	2.6	0.5	23.6	
				1				
Q5 (Lowest)	-2.1	-0.4	4.4	0.9	4.4	0.9	20.1	
Stock Price		-3.1		1				
<=5	-13.5	0.0	-12.3	0.0	-12.3	0.0	0.2	
>5, <=10	-8.7	-0.1	4.8	0.2	4.8	0.2	0.7	
>10, <=20	-7.4	-0.4	-2.0	-0.1	-2.0	-0.1	5.4	
>20	-2.8	-2.6	1.4	1.3	1.4	1.3	93.8	
Long-Term Earnings Growth		-3.1						
<=10%	-2.4	-1.0	0.0	0.2	0.0	0.2	40.7	
>10%, <=20%	-1.7	-0.3	2.0	0.3	2.0	0.3	17.5	
	-2.6		1.8		1.8		8.0	
>20%		-0.2		0.1		0.1		
NA	-4.8	-1.6	2.3	1.0	2.3	1.0	33.8	
Dividend Yield		-3.1		1				
Yield	-3.6	-2.9	-0.3	-0.1	-0.3	-0.1	80.1	
No Yield	-1.3	-0.3	8.1	1.6	8.1	1.6	19.9	
GICS Sector		-3.1						
Consumer Discretionary	-2.0	-0.2	6.3	0.7	6.3	0.7	10.0	
Consumer Staples	3.2	0.1	1.0	0.1	1.0	0.1	4.2	
Energy	-3.4	-0.2	-7.1	-0.4	-7.1	-0.4	5.0	
Financials	-13.8	-2.6	-8.1	-1.4	-8.1	-1.4	19.1	
Health Care	0.6	0.0	0.4	0.1	0.4	0.1	7.2	
Industrials	-1.9	-0.3	6.6	1.0	6.6	1.0	16.6	
	4.4		12.4		12.4			
Information Technology		0.4		1.1		1.1	8.1	
Materials	-3.5	-0.3	5.0	0.4	5.0	0.4	7.9	
Real Estate	-4.0	-0.4	0.5	0.1	0.5	0.1	10.5	
				Λ 3	7 7	0.2	つつ	
Communication Services Utilities	0.6 4.3	0.0 0.4	7.3 -1.7	0.2 -0.1	7.3 -1.7	0.2 -0.1	3.2 8.2	

Source: BofA US Equity and US Quant Strategy



Russell 2500

Table 28: Russell 2500 Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

Person P		Marc	ch	Last Three	Last Three Months		Year to date	
Market Size Quintile Siz			Contrib.		Contrib.		Contrib.	Weight
Old Amend		-3.8	_	3.4	_	3.4	_	
Q2		2.5	1.5	2.5	2.2	2.5	2.2	59.8
03								59.8 22.6
Q4								10.7
105 Smallest 107 -0.2 -2.8 -0.1 -2.8 -0.1 -0.2 -0.1 -0.2 -0.1 -0.2 -0.2 -0.2 -0.0 -0.0								4.8
Market Cap Bucket								2.1
SPIL		-10.7	-0.2	-2.0	-0.1	-2.0	-0.1	2.1
Sepo Mil. Sep Mil. Se		-33	-3 1	3.7	3.4	3.7	3.4	93.1
116								4.3
## PER Quintile 100								1.7
								0.9
Q1 (Lowest)		10.0	0.1	2.0	0.0	2.0	0.0	0.5
Q2		-6.8	-0.7	1.7	0.3	1.7	0.3	10.0
0.3	· ·							15.4
04								19.5
0.5 (Hishest)			-0.2	4.5			1.1	22.4
Nonearings Stories								20.9
ROE Quintie 01 (Highest) 2.27 -0.8 5.7 1.7 5.7 1.7 Q2 -5.6 -1.3 0.3 0.2 0.3 0.2 Q3 -3.6 -0.8 1.5 0.4 1.5 0.4 Q5 (Lowest) -2.8 -0.4 4.8 1.0 4.8 1.0 O5 (Lowest) -3.6 -0.7 -2.2 0.4 4.8 1.0 O1 (Lowest) -3.6 -0.7 -2.2 0.4 -2.2 -0.4 O1 (Lowest) -3.6 -0.7 -2.2 0.4 -2.2 -0.4 O2 (2.2 -2.8 -0.7 2.5 0.7 2.5 0.7 2.5 0.7 2.5 0.7 2.5 0.7 0.2 0.4 0.9 0.1 0.9 0.1 0.9 0.1 0.9 0.1 0.9 0.1 0.9 0.1 0.9 0.1 0.0 0.0 0.0 0.0 0.0 0.0 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11.8</td></td<>								11.8
01 (Highest)		··-	5	±: ₹	2.5	2.0	3	
Q2		-2.7	-0.8	5.7	1.7	5.7	1.7	31.3
03		-5.6						23.3
Q4								20.8
QS (Lowest)								15.0
## Description Continues								9.6
01 (Lowest)								
Q2		-3.6	-0.7	-2.2	-0.4	-2.2	-0.4	19.2
03								24.8
04								24.5
DS (Highest)								18.4
Debt to Capital								13.1
01 (Highest)			0.7					.5
Q2		-4.3	-0.8	4.1	0.9	4.1	0.9	19.0
03		-5.1		1.5		1.5		23.1
Q4							0.8	22.4
Stock Price								19.2
Stock Price -14.6 -0.2 -4.0 0.1 -4.0 0.1 >5, <=10						3.9		16.3
←5 -14.6 -0.2 -14.6 -0.2 -6.4 -0.2 -6.3 -0.3 -2.7 -3.4 -3.8 -3.4 -2.6 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -2.6 -0.5 -0.6 -0.2 -0.3 -0.1 -0	ock Price							
>5, <=10		-14.6	-0.2	-4.0	0.1	-4.0	0.1	1.4
>10, <20	<=10	-6.4		6.3		6.3		3.8
20						2.2		11.1
Long-Term Earnings Growth -2.6 -0.5 4.4 0.8 4.4 0.8 >10%, <20%)				2.8			83.8
>10%, <=20%	ng-Term Earnings Growth							
-20%	0%	-2.6	-0.5	4.4	0.8	4.4	0.8	19.4
NA	0%, <=20%	0.3		8.9	1.1	8.9		12.1
NA	0%	-3.3		2.2	0.2	2.2	0.2	6.4
Yield -4.9 -2.9 0.9 0.7 0.9 0.7 No Yield -2.1 -0.9 7.1 3.0 7.1 3.0 GICS Sector Consumer Discretionary -2.3 -0.3 10.5 1.2 10.5 1.2 Consumer Staples 1.4 0.0 5.8 0.2 5.8 0.2 Energy -6.9 -0.3 -9.1 -0.4 -9.1 -0.4 Financials -12.8 -2.2 -6.8 -1.1 -6.8 -1.1 Health Care -12.8 -2.2 -6.8 -1.1 -6.8 -1.1 Industrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communicat		-4.9		2.2		2.2		62.2
No Yield GICS Sector Consumer Discretionary -2.3 -0.3 10.5 1.2 10.5 1.2 Consumer Staples 1.4 0.0 5.8 0.2 5.8 0.2 Energy -6.9 -0.3 -9.1 -0.4 -9.1 -0.4 Financials -12.8 -2.2 -6.8 -1.1 -6.8 -1.1 Health Care -2.4 -0.3 -0.1 0.1 -0.1 0.1 lndustrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2	vidend Yield							
GICS Sector Consumer Discretionary Consumer Staples 1.4 0.0 5.8 0.2 5.8 0.2 Energy -6.9 -0.3 -9.1 -0.4 -9.1 -0.8 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1 -1	ld	-4.9	-2.9	0.9	0.7	0.9	0.7	58.6
GICS Sector Consumer Discretionary Consumer Staples 1.4 0.0 5.8 0.2 5.8 0.2 Energy -6.9 -0.3 -9.1 -0.4 -9.1 -0.8 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1 -1.1 -1	Yield	-2.1		7.1	3.0	7.1	3.0	41.4
Consumer Staples 1.4 0.0 5.8 0.2 5.8 0.2 Energy -6.9 -0.3 -9.1 -0.4 -9.1 -0.4 Financials -12.8 -2.2 -6.8 -1.1 -6.8 -1.1 Health Care -2.4 -0.3 -0.1 0.1 -0.1 0.1 Industrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2	CS Sector							
Consumer Staples 1.4 0.0 5.8 0.2 5.8 0.2 Energy -6.9 -0.3 -9.1 -0.4 -9.1 -0.4 Financials -12.8 -2.2 -6.8 -1.1 -6.8 -1.1 Health Care -2.4 -0.3 -0.1 0.1 -0.1 0.1 Industrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2	nsumer Discretionary							11.9
Energy -6.9 -0.3 -9.1 -0.4 -9.1 -0.4 Financials -12.8 -2.2 -6.8 -1.1 -6.8 -1.1 Health Care -2.4 -0.3 -0.1 0.1 -0.1 0.1 Industrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2	nsumer Staples					5.8		3.3
Financials -12.8 -2.2 -6.8 -1.1 -6.8 -1.1 Health Care -2.4 -0.3 -0.1 0.1 -0.1 0.1 Industrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2	ergy	-6.9						4.8
Health Care -2.4 -0.3 -0.1 0.1 -0.1 0.1 Industrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2								17.0
Industrials -3.0 -0.6 7.4 1.3 7.4 1.3 Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2	alth Care							12.2
Information Technology 2.6 0.3 12.7 1.7 12.7 1.7 Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2								19.2
Materials -3.2 -0.2 6.8 0.4 6.8 0.4 Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2								12.3
Real Estate -3.5 -0.3 1.5 0.2 1.5 0.2 Communication Services -2.4 -0.1 8.5 0.2 8.5 0.2	***							6.0
Communication Services <u>-2.4</u> -0.1 8.5 0.2 8.5 0.2								7.7
								2.6
Utilities 2.7 0.1 1.1 0.0 1.1 0.0		2.7	0.1	1.1	0.0	1.1	0.0	2.8
Source: FactSet: Rof A US Faulty & US Quant Strategy			J. 1		5.0		5.5	2.0

Source: FactSet, BofA US Equity & US Quant Strategy



Russell 2500 Growth

Table 29: Russell 2500 Growth Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	Ма	rch	Last Thre	e Months	Year t	o date	
	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight
Growth Index	-1.6	_	6.5	_	6.5	_	
Market Cap Size Quintile							
O1 (Largest)	-0.6	-0.3	5.8	3.4	5.8	3.4	57.0
Q2	-1.9	-0.4	8.9	2.1	8.9	2.1	23.5
Q3	-3.4	-0.4	6.8	0.9	6.8	0.9	11.8
Q4	-4.3	-0.2	6.6	0.4	6.6	0.4	5.6
Q5 (Smallest)	-9.1	-0.2	-2.6	-0.1	-2.6	-0.1	2.2
Market Cap Bucket							
>1 BIL	-1.3	-1.2	6.7	6.2	6.7	6.2	93.8
>500 MIL, <=1 BIL	-5.9	-0.2	4.7	0.3	4.7	0.3	3.8
>250 MIL,<=500M	-11.0	-0.2	-4.9	0.0	-4.9	0.0	1.5
<=250M	-6.2	-0.1	4.2	0.0	4.2	0.0	0.9
P/E Quintile	0.2	0.1		0.0		0.0	0.5
O1 (Lowest)	-6.9	-0.6	-0.7	0.0	-0.7	0.0	8.3
Q2	-4.1	-0.6	6.5	0.9	6.5	0.9	14.0
Q3	-2.2	-0.3	8.6	1.5	8.6	1.5	14.8
Q4	0.0	0.0	6.6	1.5	6.6	1.5	25.7
05 (Highest)	1.9		9.2		9.2		
		0.4		2.0		2.0	21.5
Nonearnings Stories	-3.7	-0.6	4.0	0.8	4.0	0.8	15.8
ROE Quintile	าา	0.7	E 1	1 7	F 1	17	22 F
Q1 (Highest)	-2.2	-0.7	5.1	1.7	5.1	1.7	32.5
Q2	-0.6	-0.2	8.8	2.1	8.8	2.1	23.8
Q3	-0.6	-0.1	7.7	1.6	7.7	1.6	19.1
Q4	-3.0	-0.4	3.4	0.5	3.4	0.5	13.2
Q5 (Lowest)	-2.1	-0.2	7.6	0.9	7.6	0.9	11.4
Beta Quintile							
Q1 (Lowest)	-2.3	-0.5	0.8	0.2	0.8	0.2	22.8
Q2	-0.2	0.0	6.2	1.6	6.2	1.6	21.3
03	-1.2	-0.3	7.6	1.4	7.6	1.4	23.0
Q4	1.6	-0.3	10.1	2.0	10.1	2.0	17.8
O5 (Highest)	-3.2	-0.5	10.0	1.5	10.0	1.5	15.1
Debt to Capital							
Q1 (Highest)	2.1	-0.4	6.3	1.4	6.3	1.4	20.6
Q2	-2.8	-0.6	6.6	1.6	6.6	1.6	22.2
Q3	-2.3	-0.4	5.6	1.1	5.6	1.1	18.8
Q4	-0.4	-0.1	7.5	1.4	7.5	1.4	20.5
Q5 (Lowest)	-0.4	0.0	6.4	1.2	6.4	1.4	17.9
Stock Price	-0.2	0.0	0.4	1.2	0.4	1.2	17.5
<=5	-15.3	-0.2	-6.3	0.0	-6.3	0.0	1.5
>5, <=10	-4.1	-0.1	9.4	0.3	9.4	0.3	3.3
>10, <=20	-3.2	-0.3	5.7	0.7	5.7	0.7	8.1
>20	-1.1	-1.0	6.5	5.6	6.5	5.6	87.1
Long-Term Earnings Growth	2.4	0.0					
<=10%	-2.4	-0.3	6.1	0.8	6.1	0.8	12.8
>10%, <=20%	2.4	0.4	12.6	2.0	12.6	2.0	16.4
>20%	-3.9	-0.3	4.5	0.5	4.5	0.5	8.3
NA	-2.2	-1.4	5.3	3.4	5.3	3.4	62.6
Dividend Yield							
Yield	-2.4	-1.1	4.6	2.1	4.6	2.1	44.2
No Yield	-1.0	-0.6	8.1	4.5	8.1	4.5	55.8
GICS Sector							
Consumer Discretionary	-1.1	-0.1	12.3	1.5	12.3	1.5	12.8
Consumer Staples	3.4	0.1	9.8	0.4	9.8	0.4	3.9
Energy	-7.4	-0.4	-12.0	-0.7	-12.0	-0.7	5.4
Financials	-6.9	-0.6	3.5	0.1	3.5	0.1	9.3
Health Care	-1.6	-0.3	1.6	0.4	1.6	0.4	18.3
Industrials	-2.5	-0.5	7.5	1.4	7.5	1.4	20.0
Information Technology	2.2	0.4	13.3	2.8	13.3	2.8	19.3
Materials	-3.4	-0.2	6.7	2.6 0.4	13.3 6.7	2.8 0.4	5.3
	-3.4 -2.8		6.7 3.9				
Real Estate		-0.1		0.1	3.9	0.1	2.6
Communication Services	0.9	0.0	14.1	0.3	14.1	0.3	1.9
Utilities	3.2	0.0	4.0	0.1	4.0	0.1	1.2
Source: BofA US Equity and US Quant Strategy							

Source: BofA US Equity and US Quant Strategy



Russell 2500 Value

Table 30: Russell 2500 Value Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March		Last Three	Last Three Months		Year to date	
	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight
/alue Index	-5.1	_	1.4	_	1.4	_	
Market Cap Size Quintile	-3.6	2.2	2.1	1.4	2.1	1.4	CO 2
01 (Largest)	-3.6 -6.2	-2.2 -1.4	0.8	1.4 0.4	0.8	1.4 0.4	60.3 22.5
Q2 Q3	-0.2 -7.7	-0.8	1.5	0.4	1.5	0.4	10.4
25 24	-10.0	-0.5	-2.0	0.0	-2.0	0.2	4.8
)5 (Smallest)	-12.2	-0.2	-3.3	-0.1	-3.3	-0.1	2.0
Market Cap Bucket	12.2	0.2	5.5	0.1	5.5	0.1	2.0
1 BIL	-4.6	-4.3	1.7	1.6	1.7	1.6	92.6
2500 MIL, <=1 BIL	-9.7	-0.5	-2.0	0.0	-2.0	0.0	4.7
250 MIL,<=500M	-11.9	-0.2	-5.1	0.0	-5.1	0.0	1.8
=250M	-12.3	-0.1	1.6	0.0	1.6	0.0	0.9
P/E Quintile							
Q1 (Lowest)	-6.9	-0.8	2.7	0.5	2.7	0.5	11.2
22	-11.6	-1.9	-4.8	-0.5	-4.8	-0.5	16.1
03	-6.3	-1.4	0.4	-0.2	0.4	-0.2	22.2
24	-1.9	-0.4	2.0	0.6	2.0	0.6	21.8
05 (Highest)	-1.0	-0.2	2.9	0.7	2.9	0.7	19.5
Nonearnings Stories	-4.8	-0.4	8.0	1.0	8.0	1.0	9.3
ROE Ouintile	47	1.2	4.0	1.2	4.0	1.2	20.0
Q1 (Highest)	-4.7	-1.3	4.0	1.3	4.0	1.3	28.6
22	-7.3	-1.8	-3.0	-0.6	-3.0	-0.6	24.8
23	-4.4 -2.6	-1.0	-0.1 5.9	0.1	-0.1 5.9	0.1	23.8
Q4 D5 (Lowest)	-2.0 -7.1	-0.4	2.7	1.0	2.7	1.0	15.8 7.1
25 (Lowest) Beta Quintile	-/.1	-0.5	2.7	0.3	2.7	0.3	7.1
01 (Lowest)	-4.0	-0.8	-3.3	-0.6	-3.3	-0.6	20.0
27 (Lowest) 22	-4.5	-0.6 -1.1	0.1	0.1	0.1	0.1	24.5
Q3	-4.4	-1.1	2.2	0.8	2.2	0.8	25.1
Q4	-6.0	-1.2	6.2	1.1	6.2	1.1	19.3
D5 (Highest)	-8.4	-0.9	4.7	0.6	4.7	0.6	11.1
Debt to Capital		0.5		0.0	,	0.0	
01 (Highest)	-6.5	-1.0	0.4	0.3	0.4	0.3	16.0
Q2	-6.3	-1.6	-0.9	-0.3	-0.9	-0.3	25.0
03	-3.8	-0.9	3.1	0.8	3.1	0.8	23.7
Q4	-4.5	-0.9	2.4	-0.1	2.4	-0.1	20.0
Q5 (Lowest)	-4.5	-0.7	2.3	1.3	2.3	1.3	15.4
Stock Price							
= 5	-14.0	-0.2	-2.3	0.1	-2.3	0.1	1.3
·5, <=10	-7.6	-0.3	4.7	0.4	4.7	0.4	4.0
·10, <=20	-6.6	-0.9	0.7	0.2	0.7	0.2	13.1
20	-4.6	-3.7	1.3	1.1	1.3	1.1	81.6
ong-Term Earnings Growth	2.0	0.6	2.0	0.7	2.0	0.7	22.0
=10%	-2.6 -2.1	-0.6 -0.2	3.8 4.9	0.7 0.5	3.8 4.9	0.7 0.5	23.6 9.3
·10%, <=20%	-2.1 -2.7		-0.2		-0.2		
·20% VA	-6.7	-0.1 -4.1	0.2	0.0 0.5	0.2	0.0 0.5	5.2 61.9
va Dividend Yield	-0.7	-4.1	0.2	0.5	0.2	0.5	01.5
/ield	-5.9	-4.0	-0.6	-0.2	-0.6	-0.2	67.9
No Yield	-3.3	-1.1	6.0	2.0	6.0	2.0	32.1
GICS Sector	5.5		0.0	2.0	0.0	2.0	52.1
Consumer Discretionary	-3.2	-0.4	9.1	1.0	9.1	1.0	11.4
Consumer Staples	-0.2	0.0	2.4	0.1	2.4	0.1	2.9
nergy .	-6.5	-0.3	-6.7	-0.3	-6.7	-0.3	4.5
- inancials	-14.4	-3.2	-9.3	-1.9	-9.3	-1.9	22.0
Health Care	-3.5	-0.3	-2.3	-0.1	-2.3	-0.1	8.3
ndustrials	-3.3	-0.6	7.3	1.3	7.3	1.3	18.8
nformation Technology	3.3	0.3	11.8	1.0	11.8	1.0	7.8
Materials	-3.1	-0.2	6.9	0.4	6.9	0.4	6.4
Real Estate	-3.6	-0.4	1.2	0.2	1.2	0.2	10.9
Jegi Ezigle			c .	0.2	C 1	0.3	2.1
Communication Services Jtilities	-3.6 2.6	-0.1 0.1	6.4 0.5	0.2 0.0	6.4 0.5	0.2 0.0	3.1 3.8



Russell 2000

Table 31: Russell 2000 Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	Ma	rch	Last Thre	e Months	Year t	o date	
	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight
Core Index Market Cap Size Quintile	-4.8	_	2.7	_	2.7	_	
O1 (Largest)	-3.0	-1.6	3.6	2.0	3.6	2.0	52.9
Q2	-5.7	-1.4	2.9	0.8	2.9	0.8	24.3
Q3	-5.9	-0.8	3.6	0.6	3.6	0.6	13.2
Q4	-9.7	-0.6	-1.6	0.0	-1.6	0.0	6.5
Q5 (Smallest)	-11.4	-0.4	-2.4	-0.1	-2.4	-0.1	3.2
Market Cap Bucket							
>1 BIL	-3.9	-3.3	3.5	2.9	3.5	2.9	84.7
>500 MIL, <=1 BIL	-8.4	-0.8	0.1	0.3	0.1	0.3	9.8
>250 MIL,<=500M	-11.7	-0.4	-5.1	0.0	-5.1	0.0	3.8
<=250M P/E Ovintile	-11.2	-0.2	1.2	0.0	1.2	0.0	1.7
P/E Quintile Q1 (Lowest)	5.4	-0.5	5.3	0.7	5.3	0.7	9.7
Q2	-10.3	-0.5 -1.5	-3.4	-0.4	-3.4	-0.4	9.7 14.5
03	-6.0	-1.0	1.6	0.3	1.6	0.3	16.1
Q4	-2.1	-0.5	5.2	1.1	5.2	1.1	21.6
O5 (Highest)	-1.2	-0.2	5.9	1.2	5.9	1.2	19.9
Nonearnings Stories	-5.9	-1.1	1.5	0.5	1.5	0.5	18.4
ROE Quintile							
Q1 (Highest)	-2.9	-0.8	7.1	2.0	7.1	2.0	28.8
Q2	-7.5	-1.7	-1.5	-0.3	-1.5	-0.3	23.0
Q3	-4.4	-1.0	1.6	0.5	1.6	0.5	23.6
Q4	-4.0	-0.6	3.8	0.7	3.8	0.7	14.0
Q5 (Lowest)	-5.6	-0.6	3.0	0.4	3.0	0.4	10.6
Beta Quintile							
Q1 (Lowest)	-5.5	-1.1	-2.6	-0.4	-2.6	-0.4	19.0
Q2	-5.4	-1.3	0.6	0.2	0.6	0.2	25.0
Q3 Q4	-4.3 -3.6	-0.9	3.6 7.4	1.0	3.6	1.0	21.9
O5 (Highest)	-3.6 -4.9	-0.7 -0.7	7.4	1.4 1.2	7.4 7.6	1.4 1.2	20.4 13.7
Debt to Capital	-4.9	-0.7	7.0	1.2	7.0	1.2	13.7
O1 (Highest)	-5.6	-1.0	4.5	0.9	4.5	0.9	17.5
Q2	-4.8	-1.0	2.8	0.6	2.8	0.6	21.6
Q3	-4.9	-1.1	1.9	0.5	1.9	0.5	22.9
04	-4.4	-0.9	1.4	0.1	1.4	0.1	20.1
Q5 (Lowest)	-4.1	-0.7	3.8	1.1	3.8	1.1	17.8
Stock Price							
<=5	-15.2	-0.4	-5.1	0.1	-5.1	0.1	2.9
>5, <=10	-5.9	-0.4	4.9	0.5	4.9	0.5	6.6
>10, <=20	-6.1	-1.0	1.6	0.5	1.6	0.5	15.9
>20	-4.0	-3.0	3.0	2.2	3.0	2.2	74.7
Long-Term Earnings Growth	1.0	0.2	7.0	0.7	7.0	0.7	11.0
<=10% >100/ <-200/	-1.8 -0.5	-0.2	7.0 12.3	0.7	7.0 12.3	0.7 0.9	11.0
>10%, <=20%		0.0		0.9			6.3
>20% NA	-3.8 -5.6	-0.2 -4.4	2.5 1.6	0.1 1.4	2.5 1.6	0.1 1.4	4.1 78.6
Dividend Yield	-5.0	-4.4	1.0	1.4	1.0	1.4	70.0
Yield	-5.9	-2.9	0.6	0.5	0.6	0.5	49.0
No Yield	-3.6	-1.8	5.2	2.7	5.2	2.7	51.0
GICS Sector							
Consumer Discretionary	-2.2	-0.2	12.3	1.3	12.3	1.3	11.1
Consumer Staples	0.9	0.0	6.2	0.2	6.2	0.2	3.5
Energy	-7.0	-0.5	-3.4	-0.2	-3.4	-0.2	6.6
Financials	-13.5	-2.4	-8.2	-1.4	-8.2	-1.4	17.7
Health Care	-4.9	-0.8	-1.9	-0.2	-1.9	-0.2	15.8
Industrials	-3.8	-0.6	7.5	1.2	7.5	1.2	17.0
Information Technology	1.8	0.2	13.1	1.6	13.1	1.6	11.6
Materials	-3.0	-0.1	9.0	0.4	9.0	0.4	4.5
Real Estate	-4.3	-0.3	1.1	0.1	1.1	0.1	6.3
Communication Services	-5.1 1.4	-0.1	7.0	0.2	7.0	0.2	2.7
Utilities	1.4	0.0	1.9	0.1	1.9	0.1	3.1
Source: BofA US Fouity and US Quant Strategy							

Source: BofA US Equity and US Quant Strategy



Russell 2000 Growth

Table 32: Russell 2000 Growth Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March		Last Thre	Last Three Months		Year to date	
index	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight
ngex Market Cap Size Quintile	-2.5	_	6.1	_	6.1	_	
01 (Largest)	-1.5	-0.8	5.9	3.2	5.9	3.2	53.8
Q2	-2.6	-0.6	8.1	2.0	8.1	2.0	24.3
03	-3.0	-0.4	5.7	0.8	5.7	0.8	12.6
24	-6.6	-0.4	4.5	0.3	4.5	0.3	6.3
05 (Smallest)	-8.3	-0.2	-2.9	-0.1	-2.9	-0.1	2.9
Market Cap Bucket	0.5	0.2	2.5	0.1	2.5	0.1	2.3
PIBIL	-1.9	-1.7	6.4	5.6	6.4	5.6	89.4
>500 MIL, <=1 BIL	-5.9	-0.4	4.3	0.5	4.3	0.5	6.5
2500 MIL, <= 1 BIL	-11.3	-0.4	-5.4	0.0	-5.4	0.0	2.5
=250 Mil., ~500M	-6.2	-0.3	4.2	0.0	4.2	0.0	1.6
P/E Quintile	-0.2	-0.1	4.2	0.1	4.2	0.1	1.0
)1 (Lowest)	-5.2	-0.5	0.4	0.1	0.4	0.1	8.6
21 (Lowest) 22	-3.2 -4.1	-0.5 -0.5	7.7	0.1	7.7	0.1	12.4
)2)3	-4.1 -2.9	-0.5 -0.5	7.7 9.4	1.6	7.7 9.4	1.6	16.4
25 24	-0.7	-0.2	5.2	1.1	5.2	1.0	22.5
	0.3		10.3		10.3		
05 (Highest) Nonearnings Stories	-4.6	0.1 -0.9	1.9	2.0 0.6	1.9	2.0 0.6	19.5
	-4.6	-0.9	1.9	0.6	1.9	0.6	20.6
ROE Quintile	27	0.7	C 1	1.0	C 1	1.0	27.0
21 (Highest)	-2.7 -1.4	-0.7	6.4	1.8	6.4	1.8	27.8
)2		-0.4	8.1	2.1	8.1	2.1	25.8
23	-1.8	-0.4	6.2	1.3	6.2	1.3	20.0
24	-4.2	-0.6	0.9	0.3	0.9	0.3	15.3
25 (Lowest)	-3.5	-0.4	7.5	0.8	7.5	0.8	11.1
eta Quintile	2.2	0.5	1.6	0.4	1.6	0.4	21.5
21 (Lowest)	-2.2	-0.5	1.6	0.4	1.6	0.4	21.5
22	-1.6	-0.3	6.2	1.7	6.2	1.7	21.6
23	-2.7	-0.6	7.9	1.4	7.9	1.4	21.7
24	-2.2	-0.4	9.3	1.9	9.3	1.9	20.4
05 (Highest)	-4.3	-0.6	6.2	1.0	6.2	1.0	14.8
Debt to Capital							
)1 (Highest)	-4.7	-0.7	7.1	1.4	7.1	1.4	17.2
22	-1.3	-0.3	7.4	1.5	7.4	1.5	20.6
03	-3.8	-0.9	4.8	1.1	4.8	1.1	22.7
24	-1.0	-0.2	7.0	1.3	7.0	1.3	19.6
25 (Lowest)	-2.2	-0.4	4.2	1.0	4.2	1.0	19.9
tock Price							
=5	-16.0	-0.4	-8.0	0.0	-8.0	0.0	2.5
·5, <=10	-4.1	-0.2	8.2	0.5	8.2	0.5	5.2
10, <=20	-3.5	-0.4	5.1	0.9	5.1	0.9	10.9
20	-1.8	-1.5	6.2	4.9	6.2	4.9	81.5
ong-Term Earnings Growth							
=10%	-0.8	-0.1	9.9	0.8	9.9	0.8	9.5
10%, <=20%	1.9	0.1	13.9	1.3	13.9	1.3	7.8
20%	-3.9	-0.2	3.6	0.3	3.6	0.3	6.0
V A	-3.0	-2.3	4.9	3.7	4.9	3.7	76.8
Dividend Yield							
'ield	-3.2	-1.2	5.1	1.9	5.1	1.9	36.2
lo Yield	-2.1	-1.3	6.6	4.3	6.6	4.3	63.8
ilCS Sector							=-=
onsumer Discretionary	-1.4	-0.2	13.2	1.4	13.2	1.4	11.3
onsumer Staples	3.2	0.1	8.7	0.4	8.7	0.4	4.4
nergy	-6.8	-0.5	-7.3	-0.5	-7.3	-0.5	6.8
inancials	-8.4	-0.6	2.7	0.1	2.7	0.1	7.1
lealth Care	-3.5	-0.8	-0.1	0.1	-0.1	0.1	21.7
ndustrials	-3.3	-0.7	8.1	1.4	8.1	1.4	19.8
nformation Technology	1.7	0.3	12.9	2.5	12.9	2.5	17.7
nonnauon rechnology Naterials	-3.8	-0.2	10.1	2.5 0.5	10.1	2.5 0.5	4.7
nateriais Jeal Estate							
real Estate	-5.0	-0.1	0.7	0.0	0.7	0.0	2.1
	^ ^						
Communication Services Utilities	-0.9 1.6	0.0 0.0	13.1 4.2	0.3 0.1	13.1 4.2	0.3 0.1	2.4 1.6



Russell 2000 Value

Table 33: Russell 2000 Value Performance Attribution Analysis 1m, 3m and YTD performance attribution (as of 3/31/2023)

	March		Last Three	Months	Year to		
	Return	Contrib.	Return	Contrib.	Return	Contrib.	Weight
Index Market Cap Size Quintile	-7.2	_	-0.7	_	-0.7	_	
O1 (Largest)	-5.7	-3.0	-1.3	-0.5	-1.3	0.0	51.4
Q2	-6.9	-1.7	2.9	0.8	2.9	0.0	24.5
Q3	-8.9	-1.2	-1.6	-0.1	-1.6	0.0	13.4
Q4	-11.9	-0.9	-4.0	-0.2	-4.0	0.0	7.4
Q5 (Smallest)	-13.8	-0.5	-3.6	-0.1	-3.6	0.0	3.3
Market Cap Bucket		-					
>1 BIL	-6.2	-5.0	-0.2	-0.2	-0.2	0.0	79.9
>500 MIL, <=1 BIL	-9.7	-1.3	-2.3	0.0	-2.3	0.0	13.1
>250 MIL,<=500M	-11.9	-0.6	-5.2	-0.1	-5.2	0.0	5.1
<=250M	-15.8	-0.3	-2.4	0.0	-2.4	0.0	1.8
P/E Quintile 01 (Lowest)	-5.6	-0.6	7.9	1.1	7.9	0.0	10.7
Q2	-5.6 -11.8	-0.6 -2.1	-5.8	-1.1	-5.8	0.0	18.1
03	-11.2	-2.1	-5.8 -7.7	-1.3	-3.6 -7.7	0.0	17.4
Q4	-3.2	-0.6	1.4	0.4	1.4	0.0	19.6
O5 (Highest)	-3.4	-0.6	2.4	0.5	2.4	0.0	18.1
Nonearnings Stories	-7.7	-1.2	0.9	0.3	0.9	0.0	16.0
ROE Quintile							
Q1 (Highest)	-5.6	-1.3	4.8	1.2	4.8	0.0	24.1
Q2	-10.7	-3.0	-6.7	-1.9	-6.7	0.0	28.0
Q3	-5.4	-1.5	-1.3	-0.1	-1.3	0.0	27.0
Q4	-5.7	-0.8	3.2	0.5	3.2	0.0	13.2
Q5 (Lowest)	-8.1	-0.6	0.8	0.1	0.8	0.0	7.7
Beta Quintile	6.3	1.4	4.3	0.0	4.1	0.0	22.2
Q1 (Lowest)	-6.3	-1.4	-4.1	-0.9	-4.1	0.0	22.2
Q2	-9.0	-2.3	-4.6	-1.1	-4.6	0.0	25.5
03 04	-7.1 -5.8	-1.6	-0.5	0.1	-0.5	0.0	22.2
Q4 O5 (Highest)	-5.8 -7.1	-1.1	5.3 6.6	1.1	5.3 6.6	0.0	19.3
Debt to Capital	-/.1	-0.8	0.0	0.7	0.0	0.0	10.8
Q1 (Highest)	-7.2	-1.2	0.2	0.1	0.2	0.0	17.0
Q2	-8.1	-1.9	-1.3	-0.3	-1.3	0.0	23.2
Q3	-5.9	-1.5	-0.3	-0.1	-0.3	0.0	24.5
04	-7.8	-1.5	-4.3	-0.9	-4.3	0.0	19.2
Q5 (Lowest)	-7.1	-1.1	1.4	1.1	1.4	0.0	16.1
Stock Price							
<=5	-14.5	-0.5	-2.8	0.2	-2.8	0.0	3.3
>5, <=10	-7.1	-0.6	2.5	0.5	2.5	0.0	8.0
>10, <=20	-7.5	-1.6	-0.7	0.0	-0.7	0.0	21.1
>20	-6.7	-4.5	-1.2	-0.8	-1.2	0.0	67.6
Long-Term Earnings Growth	2.7	0.3	4.2	0.5	4.2	0.0	12.6
<=10% >100/	-2.7	-0.3	4.3	0.5	4.3	0.0	12.6
>10%, <=20%	-4.6 3.6	-0.2	9.2	0.5	9.2	0.0	4.7
>20% NA	-3.6 -8.1	-0.1 L -6.5	- <u>-2.1</u> -2.0	0.0 -1.4	<u>-2.1</u> -2.0	0.0 0.0	2.1 80.5
Dividend Yield	-0.1	-0.5	-2.0	-1.4	-2.0	0.0	00.5
Yield	-7.7	-4.8	-2.6	-1.4	-2.6	0.0	62.2
No Yield	-6.3	-2.4	2.7	1.1	2.7	0.0	37.8
GICS Sector							
Consumer Discretionary	-3.2	-0.3	10.9	1.1	10.9	0.0	10.8
Consumer Staples	-3.3	-0.1	1.1	0.0	1.1	0.0	2.7
Energy	-7.2	-0.5	0.4	0.0	0.4	0.0	6.4
Financials	-14.8	-4.2	-10.9	-3.0	-10.9	0.0	28.6
Health Care	-8.1	-0.8	-6.0	-0.5	-6.0	0.0	9.8
Industrials	-4.5	-0.6	6.4	0.9	6.4	0.0	14.1
Information Technology	2.4	0.1	13.6	0.8	13.6	0.0	5.3
Materials	-2.1	-0.1	7.4	0.3	7.4	0.0	4.2
Real Estate	-4.1	-0.4	0.7	0.1	0.7	0.0	10.5
Communication Services	-8.6	-0.3	1.5	0.1	1.5	0.0	3.1
Utilities	1.2	0.1	0.6	0.0	0.6	0.0	4.6
Source: BofA US Fouity and US Quant Strategy							

Source: BofA US Equity and US Quant Strategy



Appendix

BofA US Equity & Quant Strategy ADR Indices

Table 34: Monthly price performance by different regions of the world

BofA Quant Strategy ADR Index Performance As of 3/31/2023

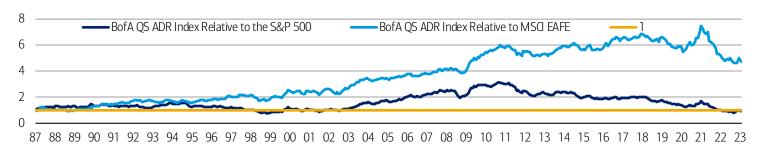
Price Index Price Pr	erforman 12 M -10.9 -12.0 -6.2 -10.0 -16.8 -4.7	YTD 8.1 8.1 7.0 9.7	ange (US\$ 3yr 4.8 2.4 19.1	5yr -6.5 -6.8	10yr	MSCI™ 1M Rel Ret	Weights
ADR COMPOSITE 1,593 -1.3 8.1 23.1 ADR COMPOSITE (ex Latin America) 762 -1.8 8.1 23.4	-10.9 -12.0 -6.2 -10.0 -16.8	8.1 8.1 7.0	4.8 2.4	-6.5		1M Rel Ret	
ADR COMPOSITE (ex Latin America) 762 -1.8 8.1 23.4	-12.0 -6.2 -10.0 -16.8	8.1 7.0	2.4		1.0		
	-6.2 -10.0 -16.8	7.0		-6.8			100.0%
ADR Latin America 442 2.1 7.0 18.5	-10.0 -16.8		19.1		1.1		85.4%
	-16.8	9.7		-5.7	-0.7		14.6%
ADR Asia (ex Japan) 239 -0.3 9.7 27.6			-6.3	-13.0	0.8		34.4%
ADR Europe (non - EMU) 338 -6.0 2.6 15.5	-17	2.6	3.2	-3.2	0.5		16.6%
ADR EMU 274 -1.5 14.1 32.5		14.1	12.7	-1.1	3.2		18.7%
ADR Emerging Europe 160 -7.6 -2.5 -19.4	-55.8	-2.5	-21.8	-27.7	-16.8		4.0%
MSCI EAFE ® (re-indexed to 12/86) 340 1.9 7.6 25.9	-4.1	7.6	10.3	0.9	2.3		
\$&P 500 4,109 3.5 7.0 14.6	-9.3	7.0	16.7	9.2	10.1		
EUROPE							
ADR France 774 -0.2 13.3 33.5	-1.2	13.3	11.4	-1.6	2.2	-3.3	6.2%
ADR Germany 224 -0.6 16.3 27.8	-15.4	16.3	6.5	-6.4	-0.8	-4.6	4.5%
ADR Ireland 2,691 -5.7 28.7 51.5	16.7	28.7	14.9	5.5	6.5	-10.5	1.5%
ADR Italy 275 -4.6 4.3 33.8	-8.0	4.3	39.1	3.3	6.3	-5.2	1.3%
ADR Netherlands 1,092 1.7 11.9 40.0	4.3	11.9	12.1	2.7	6.5	-3.3	2.3%
ADR Norway 1,265 7.2 9.5 38.4	-12.8	9.5	20.8	-1.4	4.0	12.0	0.8%
ADR Spain 568 -3.3 14.0 39.9	10.0	14.0	13.9	-4.1	-1.4	-4.6	0.9%
ADR Sweden 1,428 -2.3 2.9 22.0	-10.4	2.9	-1.9	3.9	-3.1	-1.2	1.5%
ADR Switzerland 411 -7.2 11.9 26.6	-15.6	11.9	8.3	-1.6	2.2	-10.4	2.6%
ADR United Kingdom 1,247 -7.1 1.1 10.2	-18.1	1.1	2.5	-5.0	-0.6	-5.9	10.6%
LATIN AMERICA							
ADR Argentina 185 -12.2 3.6 34.4	22.9	3.6	25.8	-20.2	7.2	-4.9	2.5%
ADR Brazil 460 4.5 0.8 0.2	-22.3	0.8	14.1	-5.6	-4.3	5.4	6.8%
ADR Chile 231 4.8 11.1 21.4	-2.0	11.1	3.7	-13.8	-7.5	6.5	1.7%
ADR Mexico 480 8.5 28.4 51.2	19.6	28.4	40.4	8.6	1.6	5.5	2.5%
ASIA							
ADR China 267 -0.3 10.5 28.0	-9.4	10.5	-13.0	-17.9	-1.0	-4.8	25.7%
ADR Hong Kong 20 -4.3 2.6 37.2	-17.9	2.6	-5.2	-10.3	-5.2	-5.1	2.3%
ADR Indonesia 82 5.4 13.8 -5.1	-8.0	13.8	22.8	4.6	1.8	3.5	0.4%
ADR India 1.444 -1.1 4.9 2.5	-15.3	4.9	36.4	10.3	10.1	-2.3	1.3%
ADR Japan 645 0.5 5.4 18.8	-6.5	5.4	6.0	-1.6	3.7	-2.4	6.4%
ADR Korea 215 0.5 3.9 21.2	-15.0	3.9	13.5	-2.6	4.6	-4.1	1.9%
ADR Philippines 98 7.7 10.7 -0.2	-28.1	10.7	7.1	-2.3	-10.1	6.0	0.2%
ADR Taiwan 945 7.7 23.3 44.5	-11.3	23.3	31.8	10.8	13.0	5.0	1.1%
OTHER	11.5	23.3	31.0	10.0	15.0	5.0	1.170
ADR Australia 388 -5.5 -4.8 -5.0	-41.7	-4.8	20.7	-2.1	-4.5	-3.9	3.2%
ADR Israel 92 -11.3 -7.3 -26.2	-61.3	-7.3	-8.1	-22.6	-14.4	-11.9	3.6%
ADR Russia 16 0.0 0.0 0.0	0.0	0.0	-45.4	-38.7	-22.1	na	0.0%
ADR South Africa 580 25.4 12.9 44.9	-8.3	12.9	35.0	18.8	4.2	22.8	1.1%
ADIN SOURT ATTICK	-0.5	12.3	55.0	10.0	4.∠	22.0	1.170

 $\textbf{Source:} \ \ \mathsf{FactSet}, \ \mathsf{BofA} \ \ \mathsf{US} \ \mathsf{Equity} \ \mathsf{and} \ \ \mathsf{Quantitative} \ \mathsf{Strategy}$

BofA GLOBAL RESEARCH

Exhibit 5: Monthly relative performance based on ADR index

BofA USQS ADR Composite Relative to S&P 500 and MSCI™ EAFE (3/31/2023)



Source: FactSet, BofA US Equity and Quant Strategy



S&P 500 Company Distribution Exhibit 6: Latest month's end S&P 500 weights for companies sorted by sectors/industries Company Distribution of S&P 500 by GICS Sector/Industry Classifications as of 3/31/2023

	,
COMMUNICATION SERVICES	8 11%
DIVERSIFIED TELECOM	0.88%
AT&T INC	0.40%
VERIZON COMMUNICATIONS	0.48%
ENTERTAINMENT	1 43%
ACTIVISION BLIZZARD INC	0.18%
ELECTRONIC ARTS	0.09%
I IVF NATION FNTFRTAINMENT	0 03%
NETFLIX INC	0.45%
TAKF-TWO INTERACTIVE	0 06%
WALT DISNEY CO	0.53%
WARNER BROS DISCOVERY	በ 1በ%
INTERACTIVE MEDIA & SERV	4.78%
AI PHARFT INC A	1 80%
ALPHABET INC C	1.57%
MATCH GROUP INC	N 03%
META PLATFORMS. INC. CLASS	1.37%
MEDIA	O 78%
CHARTER COMMUNICATIONS	0.11%
COMCAST CORP A	O 46%
DISH NETWORK CORP A	0.01%
FOX CORP A	0.03%
FOX CORP R	0.01%
INTERPUBLIC GROUP COS	0.04%
NEWS CORP A	0.02%
NEWS CORP B	0.01%
OMNICOM GROUP	0.06%
PARAMOUNT GLOBAL CLASS B	
WIRELESS TELECOM	0.25%
T-MOBILE US INC	0.25%
AUTO COMPONENTS	10 13%
APTIV PI (0.12% 0.09%
BORGWARNER INC	0.03%
AUTOMOBILES	1 92%
FORD MOTOR CO	0.14%
GENERAL MOTORS COMPANY	0.14%
TESLA INC	162%
BROADLINE RETAIL	2.79%
AMAZON COM INC	2.75%
EBAY INC.	0.07%
FTSY INC	0.07 %
DISTRIBUTORS	0.15%
GENLIINE PARTS (O	0.07%
LKO CORP	0.04%
POOL CORP	0 04%
HOTELS REST LEIS	2.11%
Rooking hot dings inc	N 30%
CAESARS ENTERTAINMENT.	0.03%
CARNIVAI CORP	N 03%
CHIPOTLE MEXICAN GRILL INC.	
DARDEN RESTAURANTS INC	0.05%
DOMINO'S PI77A INC	0.03%
EXPEDIA GROUP. INC.	0.04%
HII TON WORI DWIDF	011%
LAS VEGAS SANDS	0.05%
MARRIOTT INTL A	0.13%
MCDONALD'S CORP	0.60%
MGM RESORTS	0.04%
NORWEGIAN CRUISE LINE	0.02%
ROYAL CARIBREAN GROUP	0.04%
STARBUCKS CORP	0.35%
WYNN RESORTS LTD	0.11%
YUM! BRANDS INC	
HOUSEHOLD DURABLES Garmin LTD	0.05%
HORTON D.R. INC	0.05%
HORTON D.R. INC I FNNAR CORP A	0.09% 0.08%
MOHAWK INDUSTRIES INC	0.02%
NEWELL BRANDS INC	0.02%
NVR INC	0.05%
PLII TE GROLIP INC	0.03%
WHIRLPOOL CORP	0.02%
LEISURE PRODUCTS	0.02 %
HASBRO INC	0.02%

S Sector/Industry Classificati	ons as
SPECIALTY RETAIL ADVANCE AUTO PARTS AUTOZONE INC BATH & BODY WORKS REST BUY CO INC	2 16% 0.02% 0 13% 0.02% 0 04%
CARMAX INC HOME DEPOT INC I OWF'S COS INC O'REILLY AUTOMOTIVE ROSS STORFS INC	0.03% 0.88% 0.35% 0.15% 0.11%
TIX COS INC TRACTOR SLIPPI Y CO ULTA BEAUTY. INC TEXTILES APPAREL & LUX NIKE INC B RAI PH I AUREN CORP A	0.26% 0.08% 0.51% 0.44% 0.01%
TAPESTRY. INC VF CORP CONSUMER STAPLES	0.03% 0.02% 7.23%
BEVERAGES BROWN-FORMAN CORP COCA-COLA CO CONSTELL ATION KEURIG DR PEPPER INC MOL SON COORS	1 81% 0.03% 0.70% 0 11% 0.09% 0 03%
MONSTER BEVERAGE PEPSICO INC CONSUMER STAPLES DIST COSTCO WHOI FSALE	0.12% 0.73% 1.97% 0.64%
DOLLAR GENERAL CORP DOLLAR TRFF INC KROGER CO SYSCO CORP TARGET CORP WAI GRFFNS BOOTS	0.14% 0.09% 0.09% 0.11% 0.22% 0.07%
WALMART INC. FOOD PRODUCTS ARCHER-DANIELS-	0.60% 1.16% 0.13%
BUNGE LTD CAMPREI I SOLIP CO CONAGRA BRANDS. INC GENERAI MII I S INC HERSHEY FOODS CORP HORMEI FOODS CORP I.M. SMUCKER CO KEI I OGG CO LAMB WESTON MCCORMICK & CO MONDELEZ THE KRAFT HEINZ TYSON FOODS INC A	0.04% 0.03% 0.05% 0.11% 0.011% 0.05% 0.05% 0.04% 0.04% 0.08% 0.08%
HOUSEHOLD PRODUCTS CHURCH & DWIGHT CO CLOROX CO COLGATE-PALIMOLIVE KIMBERLY-CLARK PROCTER & GAMRLE PERSONAL PRODUCTS	1.46% 0.06% 0.06% 0.18% 0.13% 1.02% 0.17%
FSTEF I ALIDER COS A TOBACCO ALITRIA GROLIP INC PHILIP MORRIS FNERGY	0.17% 0.67% 0.23% 0.44% 4.61%
ENERGY EOUIP & SVS RAKER HI IGHES HALLIBURTON CO SCHLUMBERGER LTD OIL GAS & CONSUMABLE APA CORPORATION CHEVRON CORP CONOCOPHILLIPS COTFERRA ENERGY INC DEVON ENERGY CORP	0.37% 0.08% 0.08% 0.20% 4.24% 0.03% 0.85% 0.35% 0.06%
DIAMONDRACK FNFRGY EOG RESOURCES	0.10%

FOT CORPORATION	0.03%
EXXON MOBIL CORP	1.31%
HESS CORP	0.10%
KINDER MORGAN INC MARATHON OIL CORP	0.10% 0.04%
MARATHON PETROLEUM	0.18%
OCCIDENTAL PETROLEUM ONFOK INC	0.13% 0.08%
PHILLIPS 66	0.14%
PIONFFR NATURAI TARGA RESOURCES CORP	0.05%
THE WILLIAMS COMPANIES	0.03%
VALERO ENERGY CORP	0.16%
NANCIALS BANKS	12 91 3.12%
BANK OF AMFRICA CORP	0 58%
CITIGROUP INC CITIZENS FINANCIAL GROUP	0.26% 0.04%
COMERICA INC (MI)	0.02%
FIFTH THIRD RANCORP (OH) FIRST REPUBLIC BANK	0.05% 0.01%
HUNTINGTON BANCSHARES	0.01%
IP MORGAN CHASE & CO	1 11%
KEYCORP M&T BANK (ORP	0.03% 0.06%
PNC FINL SERVICES GROUP	0.15%
REGIONS FINANCIAL CORP TRUIST FINANCIAL CORP	0.05% 0.13%
LIS BANCORP	0.15%
WELLS FARGO & CO	0.41%
7IONS RANCORPORATION CAPITAL MARKETS	0.01% 2.83%
AMFRIPRISF FINANCIAL INC	0.09%
BLACKROCK INC CROF GLOBAL MARKETS INC	0.29%
CHARLES SCHWAB CORP	0.23%
CME GROUP INC A	0.20%
FACTSFT RESFARCH SYSTEM FRANKLIN RESOURCES INC	0.05% 0.02%
GOI DMAN SACHS GROUP	0 32%
INTERCONTINENTAL INVESCO I TD	0.17% 0.02%
MARKETAXESS HOLDINGS	0.04%
MOODY'S CORP MORGAN STANLEY	0.33%
MSCLINC	0.33%
NASDAO INC	0.05%
NORTHERN TRUST CORP (II) RAYMOND IAMES	0.05% 0.05%
S&PGLOBALING	0 33%
STATE STREET CORP T ROWE PRICE GROUP INC	0.08%
THE RANK OF NEW YORK	N 10%
CONSUMER FINANCE AMFRICAN FXPRESS CO	0.51% 0.29%
CAPITAL ONE FINANCIAL	0.11%
DISCOVER FINANCIAL	0.08%
SYNCHRONY FINANCIAL FINANCIAL SVS	0.04% 4 29%
BERKSHIRE HATHAWAY B	1.62%
FIDELITY NATIONAL FISERV INC	0.21%
FI FFTCOR TECHNOI OGIES	0.21%
GLOBAL PAYMENTS INC IACK HENRY & ASSOCIATES	0.08% 0.03%
MASTERCARD INC A	0.89%
PAYPAL HOLDINGS INC.	0.25%
VISA INCA Insurance	1 07% 2.16%
AFI AC INC	011%
ALLSTATE CORP	0.08%
AMFRICAN INTI-GROUP INC AON PLC	0.11% 0.19%
ARCH CAPITAL GROLIP LTD	0 N7%
ARTHUR I. GALLAGHER & CO	U. 12%

ASSURANT INC	0 02%
BROWN & BROWN INC	0.04%
CHURR I IMITED	0.23%
CINCINNATI FINANCIAL CORP	0.05%
EVEREST RE GROUP LTD	0.04%
GLOBE LIFE INC.	0.03%
HARTFORD FINL SERVICES GROUP	0.06%
LINCOLN NATIONAL CORP	0.01%
LOFWS CORP	0.03%
MARSH & MCI FNNAN COMPANIFS	N 24%
METLIFE INC	0.11%
PRINCIPAL FINANCIAL GROUP	0.05%
PROGRESSIVE CORP	0.24%
PRUDENTIAL FINANCIAL INC	0.09%
TRAVELERS COS INC	0.12%
WILLIS TOWERS WATSON PLC	N N7%
WR BFRKLFY CORP	. 0.04%
IEALTH CARE	14 20
BIOTECHNOLOGY	2.29%
ARRVIF INC	0.82%
AMGEN INC	0.38%
BIOGEN INC	0.12%
GII FAD SCIFNCES INC	0 30%
INCYTE CORP	0.04%
MODERNA INC	0.01%
REGENERON PHARMACEUTICALS INC	0.26%
VERTEX PHARMACELITICALS INC	0.24%
HEALTH EOUIP & SUPPLIES	2.86%
ARROTT I ARORATORIFS	ი 51%
ALIGN TECHNOLOGY INC	0.07%
RAXTER INTL INC	0.06%
BECTON DICKINSON & CO	0.20%
ROSTON SCIENTIFIC CORP	0.21%
COOPER COMPANIES INC	0.05%
DENTSPI Y SIRONA INC	0.03%
DEXCOM INC	0.13%
EDWARDS LIFESCIENCES CORP	0.15%
GE HEAT THOARE TECHNOLOGIES INC	0.09%
HOLOGIC INC	0.06%
IDEXX I ARORATORIES INC	O 12%
INSULET CORP	0.06%
INTUITIVE SURGICAL INC	0.26%
MEDTRONIC PLC	0.31%
RESMED INC	0.09%
STERIS PLC	0.06%
STRYKFR (ORP	ი 28%
TELEFLEX INC	0.03%
ZIMMER BIOMET HOLDINGS INC	0.08%
HEALTH PROVIDERS & SVS	3.04%
AMERISOLIRCERERGEN CORP	N 08%
CARDINAL HEALTH INC	0.06%
CENTENE CORP	0.10%
CVS HEAT TH CORPORATION	ი 28%
DAVITA INC	0.01%
FI FVANCE HEALTH INC	
HCA HEALTHCARE INC	
	0.32%
	0.16%
HENRY SCHEIN INC	
HENRY SCHEIN INC	0.16% 0.03%
HENRY SCHEIN INC HUMANA INC	0.16% 0.03% 0.18%
HENRY SCHEIN INC HUMANA INC I AR CORPOF AMERICA HI DGS	0.16% 0.03% 0.18% 0.06%
HENRY SCHEIN INC HUMANA INC I AB CORP OF AMERICA HI DGS MCKESSON CORP	0.16% 0.03% 0.18% 0.06% 0.14%
HENRY SCHEIN INC HUMANA INC I AR CORPOF AMERICA HI DGS	0.16% 0.03% 0.18% 0.06%
HENRY SCHEIN INC HUMANA INC I AR CORPOF AMFRICA HI DGS MCKESSON CORP MOI INA HEAI THCARF	0.16% 0.03% 0.18% 0.06% 0.14% 0.05%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARE OUEST DIAGNOSTICS	0.16% 0.03% 0.18% 0.06% 0.14% 0.05%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.05%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP UNITEDHEALTH GROUP INC	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.05% 0.22%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP UNITEDHEALTH GROUP INC	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.05% 0.22%
HENRY SCHEIN INC HUMANA INC I AB CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP UNITEDHEALTH GROUP INC I INIVERSAL HEAI TH SERVICES R	0.16% 0.18% 0.18% 0.06% 0.14% 0.05% 0.05% 0.22% 0.02%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROLIP UNITEDHEALTH GROUP INC LINIVERSAL HEALTH SFRVICES R LIFE SCIENCES TOOLS	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.05% 0.22% 1.29% 0.02%
HENRY SCHEIN INC HUMANA INC I AR CORPOF AMFRICA HI DGS MCKESSON CORP MOI INA HFAI THCARF OUEST DIAGNOSTICS THE CIGNA GROLIP UNITEDHEALTH GROUP INC LINIVERSAL HFAI TH SERVICES R LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC	0.16% 0.18% 0.18% 0.06% 0.14% 0.05% 0.25% 0.27% 1.29% 0.12%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROLIP UNITEDHEALTH GROUP INC LINIVERSAL HEALTH SFRVICES R LIFE SCIENCES TOOLS	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.05% 0.22% 1.29% 0.02%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROLIP UNITEDHEALTH GROUP INC LINIVERSAL HEAI TH SERVICES R LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC BIO-RAD I ABORATORIES INC A	0.16% 0.18% 0.18% 0.06% 0.14% 0.05% 0.25% 0.27% 1.29% 0.12% 0.12%
HENRY SCHEIN INC HUMANA INC I AB CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP UNITEDHEALTH GROUP INC LINIVERSAL HEALTH SERVICES R LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC BIO-RAD I ABCORATORIES INC A BIO-TECHNE CORP	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.05% 0.22% 0.02% 1.29% 0.12% 0.03%
HENRY SCHEIN INC HUMANA INC I AB CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROILP UNITEDHEALTH GROUP INC INIVERSAL HEAI TH SERVICES B LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC BIO-TECHNE CORP CHARLES RIVER I ABORATORIES	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.25% 0.22% 0.02% 0.12% 0.03% 0.03%
HENRY SCHEIN INC HUMANA INC I AB CORP OF AMERICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP UNITEDHEALTH GROUP INC LINIVERSAL HEALTH SERVICES R LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC BIO-RAD I ABCORATORIES INC A BIO-TECHNE CORP	0.16% 0.03% 0.18% 0.06% 0.14% 0.05% 0.05% 0.22% 0.02% 1.29% 0.12% 0.03%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMFRICA HI DGS MCKESSON CORP MOI INA HEAI THCARF OUEST DIAGNOSTICS THE CIGNA GROLIP UNITEDHEALTH GROUP INC LINIVERSAL HEALTH SRVICES R LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC RIO-RAD I ARORATORIES INC A BIO-TECHNE CORP CHARLES RIVER I ARORATORIES DANAHER CORP	0.16% 0.18% 0.18% 0.06% 0.14% 0.055% 0.22% 1.29% 0.12% 0.12% 0.03% 0.03% 0.48%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMFRICA HI DGS MCKESSON CORP MOI INA HFAI THCARF OUEST DIAGNOSTICS THE CIGNA GROLIP UNITEDHALTH GROUP INC LINIVERSAL HFAI TH SERVICES B LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC BIO-RAD I ARORATORIES INC A BIO-TECHNE CORP CHARLES FS RIVER I ABORATORIES DANAHER CORP ILLIMINA INC	0.16% 0.18% 0.18% 0.05% 0.05% 0.05% 0.072% 1.29% 0.12% 0.03% 0.03% 0.48% 0.11%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMFRICA HI DGS MCKESSON CORP MOI INA HFAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP UNITEDHEALTH GROUP INC LINIVERSAL HEALTH SERVICES R LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC RIO-RAD I ARORATORIES INC A BIO-TECHNE CORP CHARLES RIVER I ARORATORIES DANAHER CORP II I IMINA INC IOVIA HOLDINGS INC	0.16% 0.18% 0.18% 0.014% 0.05% 0.05% 0.29% 0.129% 0.129% 0.039% 0.039% 0.48% 0.11%
HENRY SCHEIN INC HUMANA INC I AB CORP OF AMFRICA HI DGS MCKESSON CORP MOI INA HFAI THCARF OUEST DIAGNOSTICS THE CIGNA GROILP UNITEDHEALTH GROUP INC INIVERSAL HFAI TH SERVICES B LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC BIO-TECHNE CORP CHARLES RIVER LABORATORIES DANAHER CORP II I IMINIA INC IOVIA HOLDINGS INC METTI FR-TOLEDING	0.16% 0.18% 0.18% 0.05% 0.05% 0.05% 0.72% 1.29% 0.12% 0.12% 0.13% 0.03% 0.11% 0.11%
HENRY SCHEIN INC HUMANA INC I AR CORP OF AMFRICA HI DGS MCKESSON CORP MOI INA HFAI THCARF OUEST DIAGNOSTICS THE CIGNA GROI IP UNITEDHEALTH GROUP INC LINIVERSAL HEALTH SERVICES R LIFE SCIENCES TOOLS AGILENT TECHNOLOGIES INC RIO-RAD I ARORATORIES INC A BIO-TECHNE CORP CHARLES RIVER I ARORATORIES DANAHER CORP II I IMINA INC IOVIA HOLDINGS INC	0.16% 0.18% 0.18% 0.014% 0.05% 0.05% 0.29% 0.129% 0.129% 0.039% 0.039% 0.48% 0.11%

BofA GLOBAL RESEARCH



Source: BofA Global Research

Exhibit 7: Latest month's end S&P 500 weights for companies sorted by sectors/industries

Company Distribution of S&P 500 by GICS Sector/Industry Classifications as of 3/31/2023

THERMO FISHER SCIENTIFIC	0.66%	SNAP ON INC	0.04%	CADENCE DESIGN SYSTEMS	0.17%	INVITATION HOMES	0.05%
WATERS CORP	0.05%	STANLEY BLACK & DECKER	0.01%	CERIDIAN HCM HOI DING	0.17 %	MID-AMFRICA APT	0.05%
WEST PHARMACEUTICAL SERVICES		WABTEC	0.05%	FAIR ISAAC & CO INC	0.05%	UDR INC	0.04%
PHARMACEUTICALS PHARMACEUTICALS	4 16%	XYI FM INC	0.05%	FORTINET INC	0.03%	RETAIL REITS	0.04%
					0.03%		
BRISTOL-MYERS SOUIBB	0.43%	AIRLINES	0.21%	GEN DIGITAL INC.		FEDERAL REALTY INVT	0.02%
CATALENT INC	0.03%	ALASKA AIR GROUP INC	0.02%	INTLIIT INC	0.36%	KIMCO REAL TY CORP	0.04%
ELI LILLY & CO	0.79%	AMERICAN AIRLINES GROUP INC.		MICROSOFT CORP	6.25%	REALTY INCOME CORP	0.12%
IOHNSON & IOHNSON	1 18%	DFI TA AIR I INFS	0 07%	ORACI F CORP	0.42%	REGENCY CENTERS CORP	0.03%
MERCK & CO INC	0.79%	SOUTHWEST AIRLINES CO	0.06%	PAYCOM SOFTWARE INC	0.04%	SIMON PROPERTY GROUP	0.11%
ORGANON & CO	0.02%	UNITED AIRLINES HOLDING. INC	0.04%	PTC INC	0.04%	SPECIALIZED REITS	1.21%
PFI7FR INC	0.67%	PROFESSIONAL SERVICES	0.77%	ROPER TECHNOLOGIES INC	0 14%	AMFRICAN TOWER CORP	0.28%
VIATRIS INC	0.03%	AUTOMATIC DATA PROŒSSING		SALESFORCE, INC.	0.58%	CROWN CASTLE INC.	0.17%
ZOFTIS INC	_0.03 %	BROADRIDGE FINANCIAL	0.27 %	SFRVICENOW INC	0.30%	DIGITAL REALTY TRUST	0.08%
INDUSTRIALS	8.66%	COSTAR GROUP INC	0.08%	SYNOPSYS INC	0.17%	EOUINIX INC	0.19%
AFROSPACE & DEFENSE	1 75%	FOLIFAX INC	0.00%	TYLER TECHNOLOGIES INC	0.17%	FXTRA SPACE STORAGE	0.15%
				TECHNOLOGY HARDWARE			
BOEING CO	0.35%	IACOBS SOLUTIONS INC.	0.04%		7.39%	IRON MOUNTAIN INC	0.04%
GENERAL DYNAMICS	0.15%	I FIDOS HOI DINGS INC	0.04%	APPI F INC	7 14%	PLIRI IC STORAGE	0 14%
HOWMET AEROSPACE INC.	0.05%	PAYCHEX INC	0.11%	HEWLETT PACKARD	0.06%	SBA COMMUNICATIONS	0.08%
HLINTINGTON INGALI S	N N2%	ROBERT HALF INTLINC	N N3%	HP INC	∩ n7%	VICI PROPERTIES INC	ი 10%
L3HARRIS TECHNOLOGIES INC	0.11%	VERISK ANALYTICS INC	0.09%	NETAPP INC	0.04%	WFYFRHAFUSFR CO	0.06%
I OCKHFFD MARTIN	031%	TRADING CO. & DISTR	0.26%	SFAGATE TECHNOLOGY	0.04%	UTILITIES	2 86%
NORTHROP GRUMMAN CORP	0.19%	FASTENAL CO	0.09%	WESTERN DIGITAL CORP	0.04%	ELECTRIC UTILITIES	1.87%
RAYTHEON TECHNOLOGIES CORP		LINITED RENTALS INC		MATERIALS	2 64%	ALLIANT ENERGY CORP	0.04%
TEXTRON INC	0.04%	W.W. GRAINGER INC	0.09%	CHEMICALS	1.80%	AMERICAN ELECTRIC	0.14%
TRANSDIGM GROUP	0.11%	INFORMATION TECHNOLOGY	26.08	AIR PRODUCTS &	0.19%	CONSTELLATION ENERGY	
		COMMUNICATIONS FOUIP					
AIR FREIGHT & LOGISTICS	0.65%		0.94%	AI REMARI E CORP	0.08%	DUKE ENERGY CORP	0.22%
CH ROBINSON WORLDWIDE INC	0.03%	ARISTA NETWORKS INC	0.12%	CELANESE CORP A	0.03%	EDISON INTL	0.08%
EXPEDITORS INTL OF WA INC	0.05%	CISCO SYSTEMS INC	0.63%	CF INDLISTRIFS HOLDINGS	0.04%	FNTFRGY CORP	0.06%
FEDEX CORP	0.15%	F5. INC.	0.03%	CORTEVA INC.	0.13%	EVERGY INC.	0.04%
LINITED PARCEL SERVICE INCR	0.41%	II INIPFR NFTWORKS INC	N N3%	DOM INC	O 11%	EVERSOLIRCE ENERGY	N 08%
BUILDING PRODUCTS	0.44%	MOTOROLA SOLUTIONS INC	0.14%	DUPONT DE NEMOURS INC.	0.10%	EXELON CORP	0.12%
A O SMITH CORP	0.03%	ELECTRONIC EQUIP. INSTR & COMP	0.65%	FASTMAN CHEMICAL CO	0.03%	FIRSTENERGY CORP	0.06%
ALLEGION PLC	0.03%	AMPHENOL CORP A	0.14%	ECOLAB INC	0.12%	NEXTERA ENERGY INC	0.45%
CARRIER GLOBAL CORP	0.11%	CDW CORP	0.08%	FMCCORP	0.04%	NRG FNFRGY	0.02%
IOHNSON CONTROLS	0.12%	CORNING INC	0.08%	INTL FLAVORS &	0.07%	PG&E CORPORATION	0.08%
MASCO CORP	0.12%	KEYSIGHT TECHNOLOGIES INC	0.08%	I INDF PI (0.07%	PINNACI F WEST CAPITAL	0.03%
TRANE TECHNOLOGIES PLC	0.12%	TE CONNECTIVITY LTD.	0.12%	LYONDELLBASELL	0.07%	PPL CORP	0.06%
COMMERCIAL SVS	0.49%	TELEDYNE TECHNOLOGIES INC	0.06%	MOSAIC CO	0.05%	SOLITHERN CO	0.22%
CINTAS CORP	0.12%	TRIMBLE INC	0.04%	PPG INDUSTRIES INC	0.09%	XCEL ENERGY INC	0.11%
COPART INC	0.09%	ZEBRA TECHNOLOGIES CORP	0.05%	SHERWIN-WILLIAMS CO	0.15%	GAS UTILITIES	0.05%
REPLIBLIC SERVICES INC	O 08%	IT SVS	1 19%	CONSTRUCTION MATERIALS	0 13%	ATMOS FNFRGY CORP	O O5%
ROLLINS INC	0.03%	ACCENTURE PLC A	0.52%	MARTIN MARIETTA	0.06%	INDEPENDENT POWER	0.05%
			0.04%		0.07%	AFSCORP	
WASTE MANAGEMENT INC	0.18%		111144//	VIII CAN MATERIALS (C)			()()5%
WASTE MANAGEMENT INC	0 18% 0 07%	AKAMAI TECHNOI OGIES INC		VI II CAN MATERIAI S CO			0.05% 0.82%
CONSTR & ENGINEERING	0.07%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS	0.09%	CONTAINERS & PACKAGING	0.26%	MULTI-UTILITIES	0.82%
CONSTR & ENGINEERING OLIANTA SERVICES INC	0.07% 0.07%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY	0.09% 0.02%	CONTAINERS & PACKAGING AMCOR PLC	0.26% 0.05%	MULTI-UTILITIES AMFREN (ORP	0.82% 0.07%
CONSTR & ENGINEERING OLIANTA SERVICES INC ELECTRICAL EOUIP	0.07% 0.07% 0.56%	AKAMAI TECHNOI OGIES INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC	0.09% 0.02% 0.05%	CONTAINERS & PACKAGING AMCOR PIC AVERY DENNISON CORP	0.26% 0.05% 0.04%	MULTI-UTILITIES AMFREN (ORP CENTERPOINT ENERGY	0.82% 0.07% 0.05%
CONSTR & ENGINEERING OLIANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC	0.07% 0.07% 0.56% 0.10%	AKAMAI TFCHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TFCHNOI OGY COMPANY EPAM SYSTEMS INC GARTNFR INC	0.09% 0.02% 0.05% 0.07%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BAI I CORP	0.26% 0.05% 0.04% 0.05%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNERGY CORP	0.82% 0.07% 0.05% 0.05%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC	0.07% 0.07% 0.56% 0.10% 0.20%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNFR INC INTL BUSINESS MACHINES	0.09% 0.02% 0.05% 0.07% 0.35%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO	0.26% 0.05% 0.04% 0.05% 0.04%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNERGY CORP CONSOLIDATED EDISON	0.82% 0.07% 0.05% 0.05% 0.10%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUP AMETEK INC EATON CORP PLC EMERSON ELECTRIC CO	0.07% 0.07% 0.56% 0.10% 0.20% 0.14%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC	0.09% 0.02% 0.05% 0.07% 0.35% 0.06%	CONTAINERS & PACKAGING AMCOR PLC AVERY DENNISON CORP RAIL CORP INTL PAPER CO PACKAGING CORP OF	0.26% 0.05% 0.04% 0.05% 0.04% 0.04%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNERGY CORP CONSOLIDATED EDISON DOMINION FNERGY INC	0.82% 0.07% 0.05% 0.05% 0.10% 0.14%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON ELECTRIC CO GENERAC HOLDINGS INC	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISICN INC SEMICONDUCTORS	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45%	CONTAINERS & PACKAGING AMCOR PLC AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP	0.26% 0.05% 0.04% 0.05% 0.04% 0.04% 0.02%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO	0.82% 0.07% 0.05% 0.05% 0.10% 0.14% 0.06%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUP AMETEK INC EATON CORP PLC EMERSON ELECTRIC CO	0.07% 0.07% 0.56% 0.10% 0.20% 0.14%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46%	CONTAINERS & PACKAGING AMCOR PLC AVERY DENNISON CORP RAIL CORP INTL PAPER CO PACKAGING CORP OF	0.26% 0.05% 0.04% 0.05% 0.04% 0.04%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNERGY CORP CONSOLIDATED EDISON DOMINION FNERGY INC	0.82% 0.07% 0.05% 0.05% 0.10% 0.14%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON ELECTRIC CO GENERAC HOLDINGS INC	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISICN INC SEMICONDUCTORS	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45%	CONTAINERS & PACKAGING AMCOR PLC AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP	0.26% 0.05% 0.04% 0.05% 0.04% 0.04% 0.02%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO	0.82% 0.07% 0.05% 0.05% 0.10% 0.14% 0.06%
CONSTR & ENGINEERING OLIANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMFRSON ELECTRIC CO GENERAC HOLDINGS INC ROCKWELLALITOMATION INC	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.10%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46%	CONTAINERS & PACKAGING AMCOR PLC AVERY DENNISON CORP RALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WFSTROCK CO	0.26% 0.05% 0.04% 0.05% 0.04% 0.04% 0.02% 0.02%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC	0.82% 0.07% 0.05% 0.05% 0.10% 0.10% 0.06% 0.06%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON EI ECTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.10% 0.81%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISION INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46% 0.29%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BAI I CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING	0.26% 0.05% 0.04% 0.04% 0.04% 0.02% 0.02% 0.02% 0.45%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNERGY CORP CONSOLIDATED EDISON DOMINION ENERGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SEMPRA	0.82% 0.07% 0.05% 0.05% 0.10% 0.10% 0.06% 0.06% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC FMFRSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES	0.07% 0.756% 0.10% 0.20% 0.14% 0.02% 0.10% 0.81% 0.18% 0.04%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S INC BROADCOM INC	0.09% 0.05% 0.05% 0.05% 0.35% 0.06% 6.45% 0.46% 0.29% 0.30% 0.78%	CONTAINERS & PACKAGING AMCOR PIC AVERY DENNISON CORP RAIT CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREEPORT-MCMORAN INC NEWMONT CORP	0.26% 0.04% 0.04% 0.04% 0.04% 0.02% 0.02% 0.45% 0.17% 0.11%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.10% 0.81% 0.18% 0.04% 0.14%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46% 0.29% 0.30% 0.78% 0.08%	CONTAINERS & PACKAGING AMCOR PIC AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP	0.26% 0.05% 0.04% 0.04% 0.04% 0.02% 0.02% 0.45% 0.17% 0.11%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON EI ECTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.11% 0.04% 0.04% 0.14%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46% 0.29% 0.30% 0.78% 0.08% 0.08%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEEL DYNAMICS INC	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.02% 0.17% 0.11% 0.11%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON ELECTRIC CO GENERAC HOLDINGS INC ROCKWELL ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OID DOMINION PREIGHT LINE INC UNION PACIFIC CORP	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.11% 0.04% 0.14% 0.04% 0.14% 0.036%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNFR INC INTL BUSINESS MACHINES VERISION INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.78% 0.08% 0.08% 0.08%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFI DYNAMICS INC REAL ESTATE	0.26% 0.04% 0.04% 0.04% 0.02% 0.02% 0.45% 0.11% 0.11% 0.11%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWFI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.11% 0.81% 0.14% 0.04% 0.14% 0.04% 0.36% 0.36%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.78% 0.08% 0.08% 0.08% 0.08%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS	0.26% 0.05% 0.04% 0.04% 0.04% 0.02% 0.02% 0.17% 0.11% 0.11% 0.11% 0.11% 0.11%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.18% 0.04% 0.04% 0.14% 0.36% 0.84% 0.17%	AKAMAITECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.39% 0.08% 0.08% 0.39% 0.16% 0.21%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP RAI I CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFI DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES	0.26% 0.05% 0.04% 0.04% 0.04% 0.02% 0.02% 0.17% 0.11% 0.11% 0.11% 0.11% 0.11% 0.18% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON EI FETTRIC CO GENERAC HOLDINGS INC ROCKWEI I AUTOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL EI FCTRIC CO	0.07% 0.07% 0.56% 0.10% 0.10% 0.14% 0.02% 0.10% 0.11% 0.04% 0.04% 0.14% 0.04% 0.14% 0.36% 0.84% 0.17% 0.30%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46% 0.29% 0.08% 0.08% 0.08% 0.08% 0.08% 0.08% 0.13%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES VENTAS INC	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.07% 0.45% 0.11% 0.11% 0.11% 0.11% 0.11% 0.11% 0.11% 0.11%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON EI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL ELECTRIC CO HONEYWELL INTL INC	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.11% 0.04% 0.04% 0.04% 0.04% 0.04% 0.04% 0.04% 0.05% 0.15% 0.15% 0.	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ANALOG DEVICES INC APPI IED MATERIALS INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOLOGY INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46% 0.29% 0.78% 0.08% 0.08% 0.16% 0.21% 0.121% 0.13%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES VENTAS INC WELLTOWER INC	0.26% 0.04% 0.04% 0.05% 0.04% 0.02% 0.02% 0.07% 0.11% 0.11% 0.11% 0.11% 0.01% 0.03% 0.03% 0.03% 0.05%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON ELECTRIC CO GENERAC HOLDINGS INC ROCKWELL ALLITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT LINE INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL ELECTRIC CO HONEYWELL INTL INC MACHINERY	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.18% 0.04% 0.14% 0.04% 0.36% 0.36% 0.36% 0.37% 0.37% 1.80%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TFCHNOI OGY COMPANY EPAM SYSTEMS INC GARTNFR INC INTL BUSINESS MACHINES VFRISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.39% 0.078% 0.08% 0.08% 0.08% 0.16% 0.21% 0.13% 0.13% 0.19%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS	0.26% 0.05% 0.04% 0.04% 0.04% 0.02% 0.17% 0.11% 0.11% 0.11% 0.15% 0.15% 0.03% 0.03% 0.10% 0.10%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON EI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL ELECTRIC CO HONEYWELL INTL INC	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.11% 0.04% 0.04% 0.04% 0.04% 0.04% 0.04% 0.04% 0.05% 0.15% 0.15% 0.	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ANALOG DEVICES INC APPI IED MATERIALS INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOLOGY INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.46% 0.29% 0.78% 0.08% 0.08% 0.16% 0.21% 0.121% 0.13%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES VENTAS INC WELLTOWER INC	0.26% 0.04% 0.04% 0.05% 0.04% 0.02% 0.02% 0.07% 0.11% 0.11% 0.11% 0.11% 0.01% 0.03% 0.03% 0.03% 0.05%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON ELECTRIC CO GENERAC HOLDINGS INC ROCKWELL ALLITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT LINE INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL ELECTRIC CO HONEYWELL INTL INC MACHINERY	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.18% 0.04% 0.14% 0.04% 0.36% 0.36% 0.36% 0.37% 0.37% 1.80%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TFCHNOI OGY COMPANY EPAM SYSTEMS INC GARTNFR INC INTL BUSINESS MACHINES VFRISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.39% 0.078% 0.08% 0.08% 0.08% 0.16% 0.21% 0.13% 0.13% 0.19%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS	0.26% 0.05% 0.04% 0.04% 0.04% 0.02% 0.11% 0.11% 0.11% 0.11% 0.15% 0.15% 0.03% 0.03% 0.10% 0.10%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWFI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL FI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.181% 0.04% 0.14% 0.04% 0.17% 0.36% 0.36% 0.36% 0.36% 0.36%	AKAMAITECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICRON TECHNOLOGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP	0.09% 0.05% 0.05% 0.35% 0.06% 6.45% 0.29% 0.39% 0.08% 0.08% 0.16% 0.19% 0.11% 0.11% 0.19% 0.19%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS	0.26% 0.04% 0.04% 0.04% 0.02% 0.17% 0.11% 0.11% 0.11% 0.11% 0.18% 0.03% 0.03% 0.03% 0.03% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON EI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL EI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO	0.07% 0.077% 0.56% 0.10% 0.20% 0.14% 0.02% 0.14% 0.01% 0.18% 0.04% 0.14% 0.14% 0.14% 0.36% 0.37% 1.80% 0.37% 1.80% 0.33%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISION INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICRO HIP TECHNOLOGY INC MOROI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR NV ON SEMICONDUCTOR CORP	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.39% 0.08% 0.08% 0.10% 0.11% 0.11% 0.19% 0.19% 0.19% 0.19% 0.19%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP SITEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDISTRIAL REITS PROLOGIS INC	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.17% 0.11% 0.11% 0.11% 0.01% 0.18% 0.03% 0.03% 0.03% 0.03% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON EI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERALI ELECTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP	0.07% 0.077% 0.56% 0.10% 0.20% 0.14% 0.02% 0.181% 0.181% 0.04% 0.36% 0.36% 0.37% 1.80% 0.35% 0.13% 0.35% 0.10%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISION INC SEMICONDUCTORS ANUACED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S, INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOLOGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR ORP OORVO INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.39% 0.08% 0.16% 0.29% 0.16% 0.39% 0.16% 0.19% 0.19% 0.19% 0.19% 0.10% 0.10%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFI DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDISTRIAL REITS PROLOGIS INC OFFICE REITS	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.045% 0.11% 0.11% 0.11% 0.11% 0.15% 0.15% 0.03% 0.03% 0.03% 0.03% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWFI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL FI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP FORTIVE CORP	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.11% 0.81% 0.04% 0.14% 0.04% 0.36% 0.36% 0.37% 0.37% 0.35% 0.10% 0.35% 0.10%	AKAMAITECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICRON TECHNOLOGY INC MICRON TECHNOLOGY INC NOIL THIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDI ICTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC	0.09% 0.05% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.39% 0.078% 0.08% 0.08% 0.16% 0.21% 0.119% 0.119% 0.19%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH CARE REITS HEALTH CARE RIS WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDISTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE	0.26% 0.04% 0.04% 0.04% 0.04% 0.02% 0.10% 0.11% 0.11% 0.11% 0.03% 0.03% 0.05% 0.10% 0.03% 0.03% 0.05% 0.05%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON EI FETRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL EI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP FORTIVE CORP IDEX CORP	0.07% 0.07% 0.10% 0.20% 0.14% 0.02% 0.14% 0.081% 0.18% 0.04% 0.14% 0.36% 0.14% 0.37% 0.37% 0.37% 0.17% 0.33% 0.10% 0.35% 0.10% 0.35% 0.10%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAL S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDIICTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SKYWORKS SOI LITIONS INC	0.09% 0.07% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.30% 0.08% 0.08% 0.10% 0.11% 0.119% 0.119% 0.119% 0.119% 0.10% 0.10% 0.10% 0.10% 0.10%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDUSTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE BOSTON PROPERTIES INC	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.17% 0.11% 0.11% 0.11% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON EI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL EI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP FORTIVE CORP ILLINOIS TOOL WORKS INC	0.07% 0.07% 0.10% 0.20% 0.14% 0.029% 0.14% 0.029% 0.18% 0.18% 0.04% 0.14% 0.04% 0.13% 0.036% 0.17% 0.30% 0.37% 1.80% 0.35% 0.10% 0.35% 0.05% 0.07% 0.07% 0.07% 0.07% 0.07%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIAL S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SKYWORKS SOI I ITIONS INC SOLAREDGE TECHNOLOGIES INC	0.09% 0.079% 0.059% 0.079% 0.35% 0.069% 0.469% 0.29% 0.39% 0.08% 0.089% 0.109% 0.119% 0.119% 0.119% 0.119% 0.119% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109% 0.109%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP SITEL DYNAMICS INC REAL ESTATE HEALTHPEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDUSTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE M&D	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.17% 0.11% 0.11% 0.11% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFITEK INC EATON CORP PLC FMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERALI FLETTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP IDEX CORP ILLINOIS TOOL WORKS INC INGERSOLL RAND INC.	0.07% 0.07% 0.10% 0.20% 0.10% 0.020% 0.14% 0.02% 0.18% 0.18% 0.04% 0.36% 0.36% 0.37% 1.80% 0.37% 1.80% 0.35% 0.37% 0.33% 0.06% 0.07% 0.05% 0.00%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ANALOG DEVICES INC APPI IFD MATERIALS INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOLOGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDILICTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SKYWORKS SOI LITIONS INC SOLAREDGE TECHNOLOGIES INC TERADYNE INC	0.09% 0.05% 0.05% 0.05% 0.06% 0.46% 0.29% 0.30% 0.08% 0.08% 0.10% 0.11% 0.11% 0.19% 0.19% 0.10%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFI DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES VENTAS, INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDISTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE BOSTON PROPERTIES INC REAL ESTATE M&D CBRE GROUP INC.	0.26% 0.05% 0.04% 0.04% 0.02% 0.07% 0.11% 0.11% 0.11% 0.11% 0.15% 0.10% 0.34% 0.03% 0.34% 0.034% 0.034% 0.06% 0.07% 0.07%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMETEK INC EATON CORP PLC EMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWFI I ALLITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL FI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP IDEX CORP ILLINOIS TOOL WORKS INC INGERSOLL RAND INC. NORDSON CORP	0.07% 0.07% 0.56% 0.10% 0.20% 0.14% 0.02% 0.18% 0.04% 0.36% 0.36% 0.37% 1.80% 0.35% 0.10% 0.07% 0.07% 0.07% 0.07% 0.07%	AKAMAITECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IFD MATERIALS INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICRON TECHNOLOGY INC MICRON TECHNOLOGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SKYWORKS SOI LITIONS INC SOLAREDGE TECHNOLOGIES INC TERADYNE INC	0.09% 0.05% 0.05% 0.35% 0.06% 0.46% 0.29% 0.39% 0.08% 0.16% 0.39% 0.16% 0.21% 0.13% 0.11% 0.19% 0.19% 0.19% 0.19% 0.19% 0.19% 0.19% 0.19% 0.19% 0.10% 0.19% 0.10%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP RAI I CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEFI DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH CARE REITS HEALTH CARE REITS HOST HOTELS & RESORTS INDISTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE M&D CBRE GROUP INC.	0.26% 0.05% 0.04% 0.04% 0.04% 0.02% 0.11% 0.11% 0.11% 0.15% 0.15% 0.03% 0.03% 0.34% 0.34% 0.03% 0.04% 0.07% 0.07% 0.07% 0.07%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON FI FETRIC CO GENERAC HOLDINGS INC ROCKWFI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL FI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP FORTIVE CORP IDFX CORP ILLINOIS TOOL WORKS INC INGERSOLL RAND INC. NORPSON CORP OTIS WORLDWIDE CORP	0.07% 0.07% 0.10% 0.20% 0.14% 0.02% 0.11% 0.81% 0.14% 0.04% 0.14% 0.36% 0.36% 0.17% 0.37% 0.37% 0.10% 0.33% 0.10% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07%	AKAMAITECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SKYWORKS SOI I ITIONS INC SOLAREDGE TECHNOLOGIES INC TERADYNE INC TEXAS INSTRI IMENTS INC SOFTWARE	0.09% 0.07% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.30% 0.08% 0.08% 0.08% 0.16% 0.11% 0.119% 0.119% 0.119% 0.119% 0.10% 0.10% 0.10% 0.05% 0.05% 0.05% 0.05% 0.05%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDIJSTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE M&D CBRE GROUP INC. RESIDENTIAL REITS AVALONBAY COMMUNITIES	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.17% 0.11% 0.11% 0.05% 0.11% 0.05% 0.10% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.07% 0.07%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFITEK INC EATON CORP PLC FMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL FI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP FORTIVE CORP ILLINOIS TOOL WORKS INC INGERSOLL RAND INC. NORDSON CORP OTIS WORLDWIDE CORP PACCAR INC	0.07% 0.07% 0.10% 0.20% 0.14% 0.02% 0.11% 0.18% 0.18% 0.04% 0.04% 0.036% 0.037% 0.30% 0.37% 0.10% 0.33% 0.06% 0.07% 0.07% 0.07% 0.07% 0.07% 0.10% 0.11%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SYWORKS SOI I ITIONS INC SOLAREDGE TECHNOLOGIES INC TERADYNE INC TEXAS INSTRI IMENTS INC SOFTWARE ADORF INC	0.09% 0.07% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.30% 0.08% 0.08% 0.19% 0.11% 0.19% 0.119% 0.10% 0.19% 0.10%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDIJSTRIAL REITS ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE M&D CBRE GROUP INC. RESIDENTIAL REITS AVALONBAY COMMUNITIES CAMDEN PROPERTY TRI IST	0.26% 0.05% 0.04% 0.04% 0.02% 0.045% 0.11% 0.11% 0.11% 0.05% 0.18% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFTEK INC EATON CORP PLC EMERSON FI FETRIC CO GENERAC HOLDINGS INC ROCKWFI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL FI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP FORTIVE CORP IDFX CORP ILLINOIS TOOL WORKS INC INGERSOLL RAND INC. NORPSON CORP OTIS WORLDWIDE CORP	0.07% 0.07% 0.10% 0.20% 0.14% 0.02% 0.11% 0.81% 0.14% 0.04% 0.14% 0.36% 0.36% 0.17% 0.37% 0.37% 0.10% 0.33% 0.10% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07%	AKAMAITECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES INC APPI IFD MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SKYWORKS SOI I ITIONS INC SOLAREDGE TECHNOLOGIES INC TERADYNE INC TEXAS INSTRI IMENTS INC SOFTWARE	0.09% 0.07% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.30% 0.08% 0.08% 0.08% 0.16% 0.11% 0.119% 0.119% 0.119% 0.119% 0.10% 0.10% 0.10% 0.05% 0.05% 0.05% 0.05% 0.05%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDIJSTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE M&D CBRE GROUP INC. RESIDENTIAL REITS AVALONBAY COMMUNITIES	0.26% 0.05% 0.04% 0.04% 0.02% 0.02% 0.17% 0.11% 0.11% 0.05% 0.11% 0.05% 0.10% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.07% 0.07%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFITEK INC EATON CORP PLC FMERSON FI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL FI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP FORTIVE CORP ILLINOIS TOOL WORKS INC INGERSOLL RAND INC. NORDSON CORP OTIS WORLDWIDE CORP PACCAR INC	0.07% 0.07% 0.10% 0.20% 0.14% 0.02% 0.11% 0.18% 0.18% 0.04% 0.04% 0.036% 0.037% 0.30% 0.37% 0.10% 0.33% 0.06% 0.07% 0.07% 0.07% 0.07% 0.07% 0.10% 0.11%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISIGN INC SEMICONDUCTORS ADVANCED MICRO DEVICES ANALOG DEVICES INC APPI IED MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MICROCHIP TECHNOI OGY INC MONOI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDUCTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SYWORKS SOI I ITIONS INC SOLAREDGE TECHNOLOGIES INC TERADYNE INC TEXAS INSTRI IMENTS INC SOFTWARE ADORF INC	0.09% 0.07% 0.05% 0.07% 0.35% 0.06% 6.45% 0.29% 0.30% 0.08% 0.08% 0.19% 0.11% 0.19% 0.119% 0.10% 0.19% 0.10%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP STEEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTH PEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDIJSTRIAL REITS ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE M&D CBRE GROUP INC. RESIDENTIAL REITS AVALONBAY COMMUNITIES CAMDEN PROPERTY TRI IST	0.26% 0.05% 0.04% 0.04% 0.02% 0.045% 0.11% 0.11% 0.11% 0.05% 0.18% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03% 0.03%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%
CONSTR & ENGINEERING OI JANTA SERVICES INC ELECTRICAL EOUIP AMFITEK INC EATON CORP PLC EMERSON EI FCTRIC CO GENERAC HOLDINGS INC ROCKWEI I ALITOMATION INC GROUND TRANSP CSX CORPORATION I.B. HUNT TRANSPORT SERVICES NORFOLK SOUTHERN CORP OI D DOMINION FREIGHT I INF INC UNION PACIFIC CORP IND CONGLOMERATES 3M CO GENERAL EI FCTRIC CO HONEYWELL INTL INC MACHINERY CATERPILLAR INC CLIMMINS INC DEERE & CO DOVER CORP ILLINOIS TOOL WORKS INC INGERSOLL RAND INC. NORDSON CORP OTIS WORLDWIDE CORP PACCAR INC PARKER-HANNIFIN CORP	0.07% 0.07% 0.10% 0.20% 0.10% 0.12% 0.11% 0.18% 0.14% 0.14% 0.14% 0.36% 0.36% 0.37% 1.80% 0.37% 1.80% 0.37% 0.10% 0.33% 0.10% 0.07% 0.07% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10% 0.10%	AKAMAI TECHNOI OGIFS INC COGNIZANT TECH SOLUTIONS DXC TECHNOI OGY COMPANY EPAM SYSTEMS INC GARTNER INC INTL BUSINESS MACHINES VERISION INC SEMICONDUCTORS ANALOG DEVICES INC APPI IFID MATERIAI S INC BROADCOM INC ENPHASE ENERGY INC FIRST SOI AR INC INTEL CORP KI A CORPORATION LAM RESEARCH CORP MICROCHIPTECHNOI OGY INC MOROI ITHIC POWER SYSTEMS NVIDIA CORP NXP SEMICONDILICTOR NV ON SEMICONDUCTOR CORP OORVO INC OUALCOMM INC SKYWORKS SOI LITIONS INC SOLAREDGE TECHNOLOGIES INC TERADYNE INC TEXAS INSTRI IMENTS INC SOFTWARE ADORF INC ANSYS INC	0.09% 0.05% 0.05% 0.06% 0.46% 0.29% 0.30% 0.08% 0.08% 0.10% 0.11% 0.19% 0.119% 0.10%	CONTAINERS & PACKAGING AMCOR PI C AVERY DENNISON CORP BALL CORP INTL PAPER CO PACKAGING CORP OF SEALED AIR CORP WESTROCK CO METALS & MINING FREFPORT-MCMORAN INC NEWMONT CORP NUCOR CORP SIFEL DYNAMICS INC REAL ESTATE HEALTH CARE REITS HEALTHPEAK PROPERTIES VENTAS INC WELLTOWER INC HOTEL & RESORT REITS HOST HOTELS & RESORTS INDISTRIAL REITS PROLOGIS INC OFFICE REITS ALEXANDRIA REAL ESTATE ROSTON PROPERTIES INC REAL ESTATE M&D CBRE GROUP INC. RESIDENTIAL REITS AVALONBAY COMMUNITIES CAMDEN PROPERTY TRI IST EOUITY RESIDENTIAL	0.26% 0.05% 0.04% 0.04% 0.02% 0.07% 0.11% 0.11% 0.11% 0.11% 0.15% 0.05% 0.10% 0.03% 0.03% 0.03% 0.06% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07% 0.07%	MULTI-UTILITIES AMFREN CORP CENTERPOINT ENERGY CMS FNFRGY CORP CONSOLIDATED EDISON DOMINION FNFRGY INC DTE ENERGY CO NISOLIRCE INC PUBLIC SERVICE SFMPRA WEC ENERGY GROUP INC WATER UTILITIES	0.82% 0.07% 0.05% 0.10% 0.10% 0.14% 0.06% 0.03% 0.09% 0.14% 0.09% 0.09%



U

Disclosures

Important Disclosures

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). There are three investment ratings: 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. 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^{R1}

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Jnderperform	N/A	≥ 20%

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.

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.

Due to the nature of strategic analysis, the issuers or securities recommended or discussed in this report are not continuously followed. Accordingly, investors must regard this report as providing stand-alone analysis and should not expect continuing analysis or additional reports relating to such issuers and/or securities.

Due to the nature of quantitative analysis, the issuers or securities recommended or discussed in this report are not continuously followed. Accordingly, investors must regard this report as providing stand-alone analysis and should not expect continuing analysis or additional reports relating to such issuers and/or securities.

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.

Other Important Disclosures

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.

This report may refer to fixed income securities or other financial instruments that may not be offered or sold in one or more states or jurisdictions, or to certain categories of investors, including retail investors. Readers of this report are advised that any discussion, recommendation or other mention of such instruments is not a solicitation or offer to transact in such instruments. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor for information relating to such instruments. 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 Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (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 (Mexico): Mexico): Merrill Lynch (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Mexico): Mexico (Mexico): Mexic CV, Casa 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 Israel Limited, regulated by Israel Securities Authority; Merrill Lynch (DIFC): Merrill Lynch International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lýnch (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 prepared and issued by Merrill Lynch (DIFC) is done so in accordance with the requirements of the DFSA conduct of business rules. BofA Europe (Frankfurt) distributes this information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securities entities, including BofA Europe and BofASE (France), may outsource/delegate the marketing and/or provision of certain research services or aspects of research services to other branches or members of the BofA Securities group. You may be contacted by a different BofA Securities entity acting for and on behalf of your service provider where permitted by applicable law. This does not change your service provider. Please refer to the Electronic Communications Disclaimers for further information.

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.

Copyright and General Information:

Copyright 2023 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 has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any 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 inform

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.

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.

