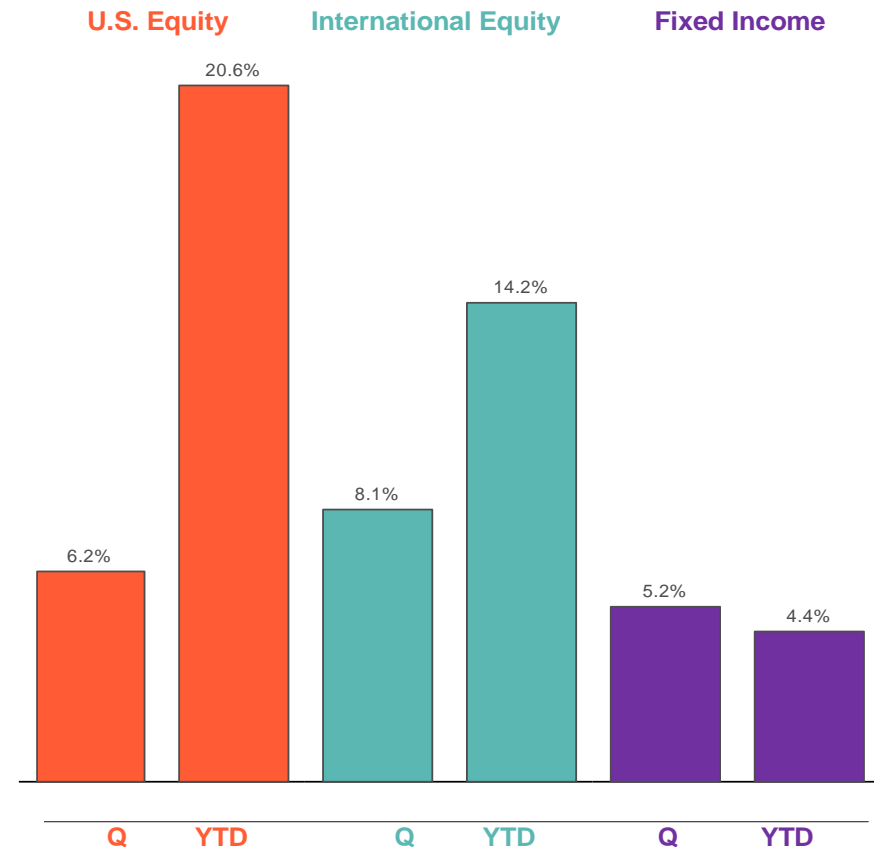


# Q3 2024 Market Review

## SUMMARY

- Both equity and fixed income markets experienced strong third quarter performance.
- U.S. Equity rose 6.2% (Russell 3000), with utilities stocks leading the way and are now the best performing sector YTD. Large cap value outperformed large cap growth in the quarter by over 600 basis points (9.4% vs. 3.2%), although YTD, large cap growth has outperformed large cap value by almost 800 basis points (24.5% vs. 16.7%).
- International equities and Emerging Markets equities performed very well over the quarter, posting gains of 7.3% (MSCI EAFE) and 8.7% (MSCI Emerging Markets), respectively.
- The broad U.S. fixed income market returned 5.2% (Bloomberg Barclays Aggregate) over the quarter. This coincided with the Fed cutting rates by 50 basis points as they determined inflation was at a suitable level to start bringing down the Fed Funds Rate.
- The unemployment rate remained flat from last quarter at 4.1%.

## TRAILING RETURNS (9/30/2024)



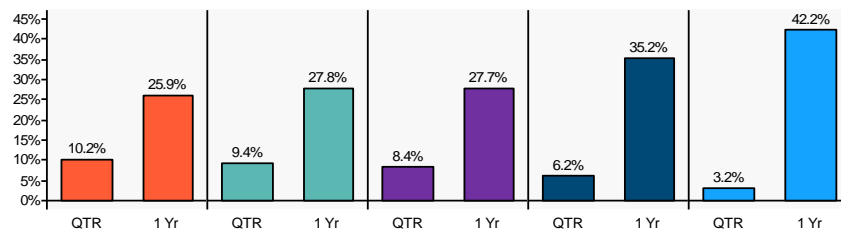
Quarterly and year-to-date returns of the following indices: U.S. Equity (Russell 3000 Index), Fixed Income (Bloomberg Barclays U.S. Aggregate Bond Index) and International Equity (MSCI ACWI ex U.S. Index)

# Q3 2024 Market Review – U.S. Equity

## U.S. EQUITY

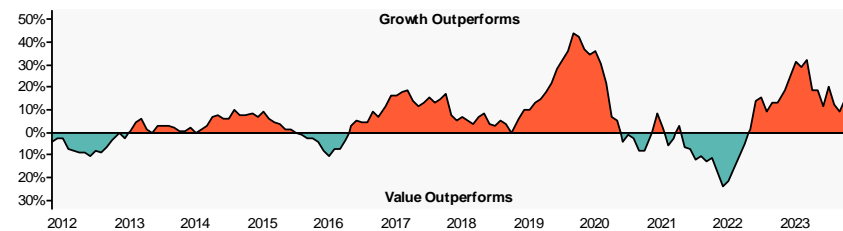
- The broad U.S. equity market, as measured by the Russell 3000 Index, was up 6.2% for the quarter.
- The best performing U.S. equity index for the quarter was Russell 2000 Value, returning a positive 10.2%.
- The worst performing U.S. equity index for the quarter was Russell 1000 Growth, returning a positive 3.2%.

## INDEX PERFORMANCE (sorted by trailing quarterly performance)



	QTR	YTD	1 Yr	3 Yr	5 Yr	10 Yr
Russell 2000 Value	10.2	9.2	25.9	3.8	9.3	8.2
Russell 1000 Value	9.4	16.7	27.8	9.0	10.7	9.2
Russell 2000 Growth	8.4	13.2	27.7	-0.4	8.8	8.9
Russell 3000	6.2	20.6	35.2	10.3	15.3	12.8
Russell 1000 Growth	3.2	24.5	42.2	12.0	19.7	16.5

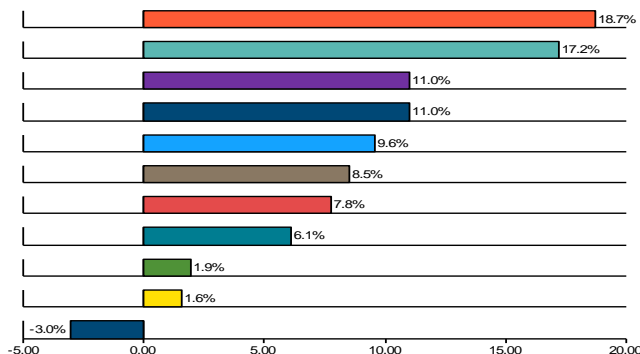
## GROWTH VS. VALUE



Over the last year, growth stocks outperformed value stocks by 14.40%.  
For the trailing quarter, value stocks outperformed growth stocks by 6.20%.

The graph above is plotted using a rolling one-year time period. Growth stock performance is represented by the Russell 1000 Growth Index. Value stock performance is represented by the Russell 1000 Value Index.

## SECTOR (sorted by trailing quarterly performance)



	QTR	YTD	1 Yr	3 Yr	5 Yr	10 Yr
Utilities	18.7	30.4	41.5	11.3	7.5	10.3
Real Estate	17.2	14.3	35.1	3.0	5.2	8.2
Financials	11.0	21.4	38.7	8.5	12.1	11.4
Industrials	11.0	19.3	34.9	13.6	14.2	12.0
Materials	9.6	12.4	24.5	9.3	13.1	9.2
Consumer Staples	8.5	18.2	24.9	10.3	10.1	9.6
Consumer Discretionary	7.8	13.5	28.4	4.7	12.3	12.7
Health Care	6.1	14.0	21.5	7.4	12.9	11.2
Telecommunication Svcs.	1.9	28.4	42.5	6.1	14.3	9.6
Information Technology	1.6	29.8	51.7	19.4	26.2	22.0
Energy	-3.0	7.3	0.0	23.2	13.7	3.2

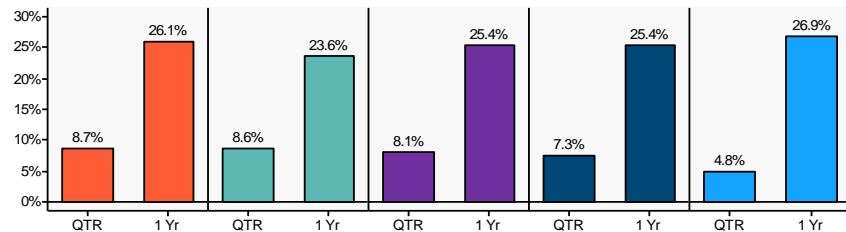
Source: S&P 1500 Sector Indices

# Q3 2024 Market Review – International Equity

## INTERNATIONAL EQUITY

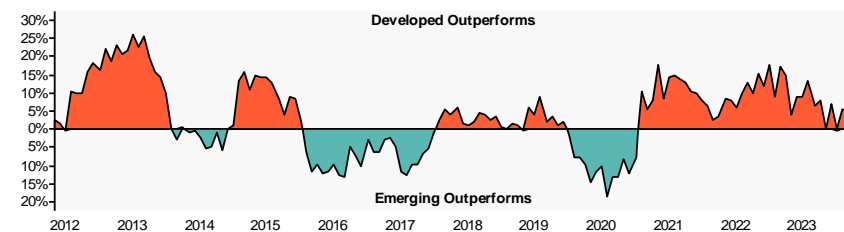
- Developed international equity returned a positive 7.3% in the last quarter (MSCI EAFE).
- Emerging market equity posted a positive 8.7% return (MSCI Emerging Markets Index).

## INDEX PERFORMANCE (sorted by trailing quarterly performance)



	QTR	YTD	1 Yr	3 Yr	5 Yr	10 Yr
MSCI Emg Markets	8.7	16.9	26.1	0.4	5.7	4.0
MSCI EAFE Large Value	8.6	14.4	23.6	10.2	9.0	4.5
MSCI ACWI ex US	8.1	14.2	25.4	4.1	7.6	5.2
MSCI EAFE	7.3	13.5	25.4	6.0	8.7	6.2
MSCI EAFE Large Growth	4.8	12.6	26.9	2.9	8.4	7.0

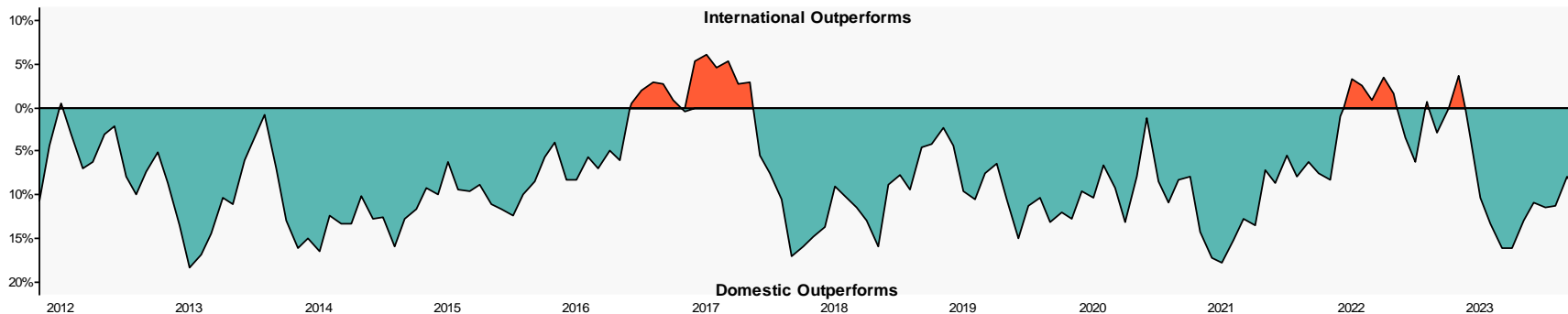
## DEVELOPED VS. EMERGING MARKETS



Over the last year, emerging market stocks outperformed developed international stocks by 0.70%.  
For the trailing quarter, emerging market stocks outperformed developed international stocks by 1.40%.

The graph above is plotted using a rolling one-year time period. Developed international stock performance is represented by the MSCI EAFE Index. Emerging market stock performance is represented by the MSCI Emerging Markets Index.

## INTERNATIONAL VS. DOMESTIC



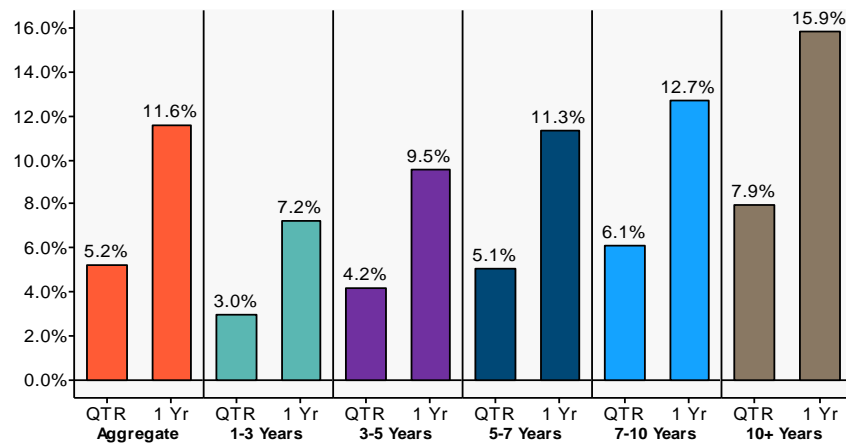
The graph above is plotted using a rolling one-year time period. International stock performance is represented by the MSCI ACWI ex U.S. Index. Domestic stock performance is represented by the Russell 3000 Index.

# Q3 2024 Market Review – Fixed Income

## FIXED INCOME

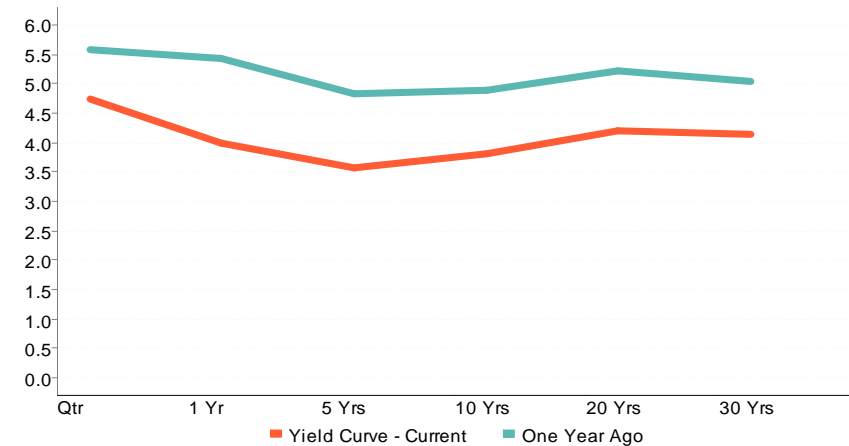
- The broad U.S. fixed income market returned a positive 5.2% (Bloomberg Barclays U.S. Aggregate) for the quarter.
- The best performing sector for the quarter was Corporate Investment Grade, returning a positive 5.8%.
- The worst performing sector for the quarter was Cash, returning a positive 1.4%.

## PERFORMANCE BY MATURITY

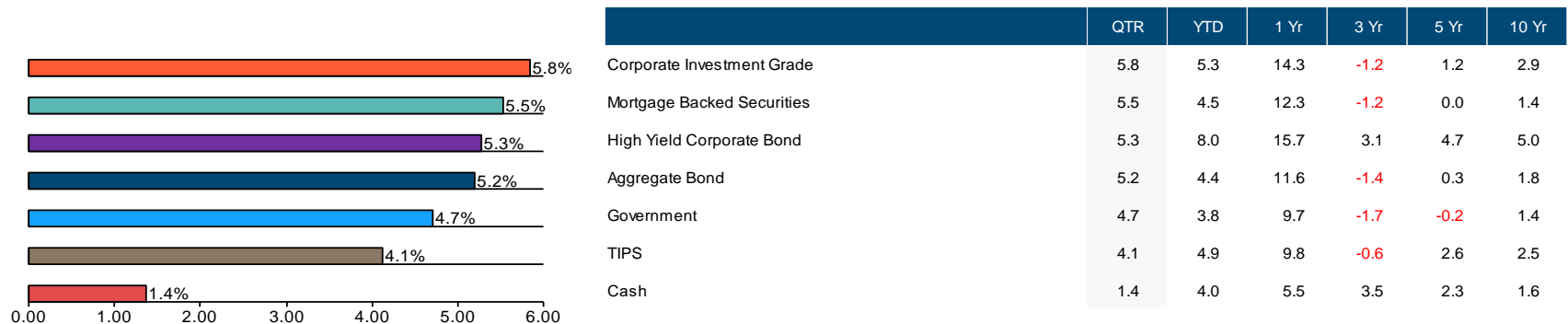


Source: Bloomberg Barclays U.S. Aggregate Indices

## YIELD CURVE



## SECTOR (sorted by trailing quarterly performance)



Source: Bloomberg Barclays U.S. Indices

# Q3 2024 Market Kaleidoscope

## ASSET CLASS RETURNS

The following chart exhibits the volatility of asset class returns from year to year by ranking indices in order of performance, highlighting the importance of diversification.

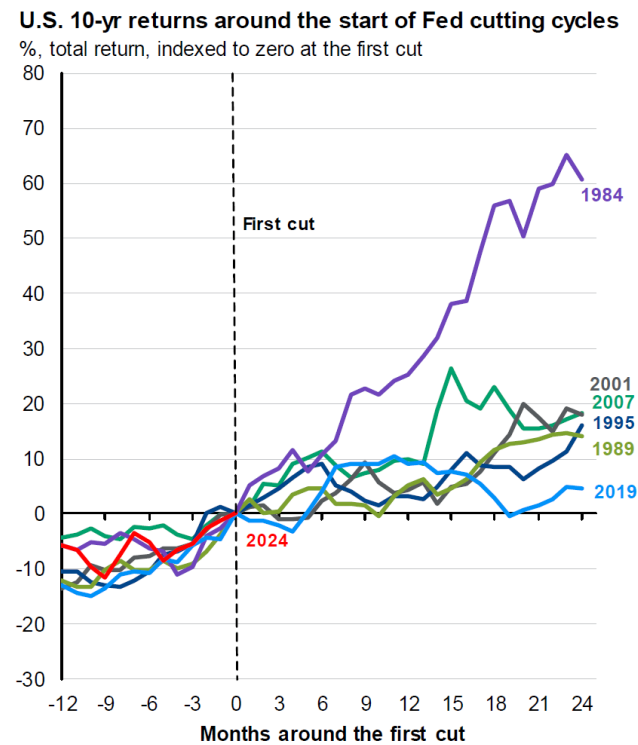
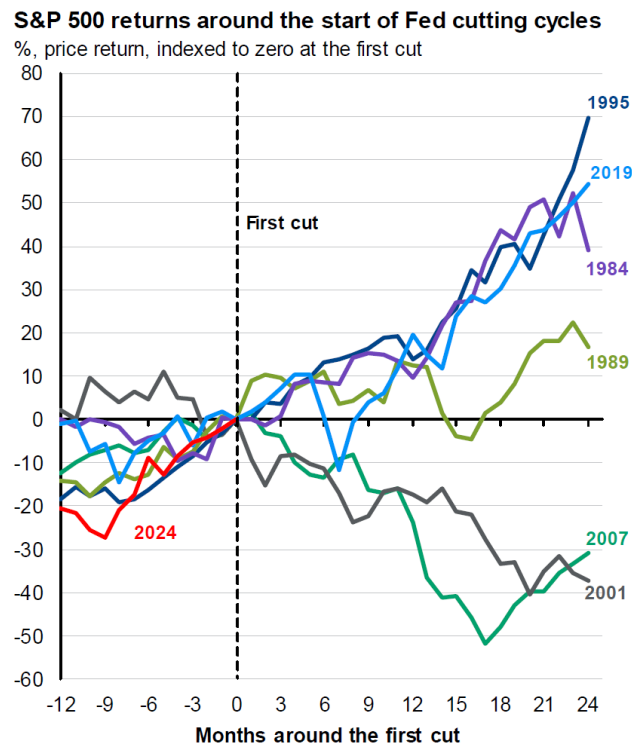
2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	YTD
Sm Growth 43.30	Global REIT 22.81	Large Growth 5.67	Sm Value 31.74	Large Growth 30.21	Cash 1.87	Large Growth 36.39	Large Growth 38.49	Global REIT 32.50	Commodities 16.09	Large Growth 42.68	Large Growth 24.55
Sm Value 34.52	Large Value 13.45	Global REIT 0.59	Large Value 17.34	International 27.19	Fixed Income 0.01	Sm Growth 28.48	Sm Growth 34.63	Sm Value 28.27	Cash 1.46	Sm Growth 18.66	Large Value 16.68
Large Growth 33.48	Large Growth 13.05	Fixed Income 0.55	Commodities 11.77	Sm Growth 22.17	Large Growth -1.51	Large Value 26.54	Balanced 14.24	Large Growth 27.60	Large Value -7.54	International 15.62	International 14.21
Large Value 32.53	Balanced 6.58	Cash 0.05	Sm Growth 11.32	Balanced 14.95	Balanced -4.77	Global REIT 24.49	International 10.65	Commodities 27.11	Fixed Income -13.01	Balanced 15.52	Global REIT 13.92
International 15.29	Fixed Income 5.97	Balanced -0.49	Balanced 7.18	Large Value 13.66	Global REIT -4.77	Sm Value 22.39	Fixed Income 7.51	Large Value 25.16	Sm Value -14.48	Sm Value 14.65	Sm Growth 13.22
Balanced 14.78	Sm Growth 5.60	Sm Growth -1.38	Large Growth 7.08	Global REIT 8.63	Large Value -8.27	International 21.51	Sm Value 4.63	Balanced 10.75	Balanced -15.80	Global REIT 11.53	Balanced 12.73
Global REIT 2.81	Sm Value 4.22	Large Value -3.83	Global REIT 6.90	Sm Value 7.84	Sm Growth -9.31	Balanced 20.11	Large Value 2.80	International 7.82	International -16.00	Large Value 11.46	Sm Value 9.22
Cash 0.07	Cash 0.03	International -5.66	International 4.50	Fixed Income 3.54	Commodities -11.25	Fixed Income 8.72	Cash 0.67	Sm Growth 2.83	Global REIT -23.60	Fixed Income 5.53	Commodities 5.86
Fixed Income -2.02	International -3.87	Sm Value -7.47	Fixed Income 2.65	Commodities 1.70	Sm Value -12.86	Commodities 7.69	Commodities -3.12	Cash 0.05	Sm Growth -26.36	Cash 5.01	Fixed Income 4.45
Commodities -9.52	Commodities -17.01	Commodities -24.66	Cash 0.33	Cash 0.86	International -14.20	Cash 2.28	Global REIT -8.11	Fixed Income -1.54	Large Growth -29.14	Commodities -7.91	Cash 4.03

- Large Value (Russell 1000 Value)
- Large Growth (Russell 1000 Growth)
- Small Value (Russell 2000 Value)
- Balanced (40% Russell 3000, 40% Bloomberg Barclay's U.S. Aggregate, 20% MSCI ACWI ex US)
- Small Growth (Russell 2000 Growth)
- International (MSCI ACWI ex-US)
- Fixed Income (Bloomberg Barclays Agg)
- Global REIT (S&P Global REIT)
- Commodities (Bloomberg Commodities)
- Cash (Merrill Lynch 3-Mo T-Bill)

# Q3 2024 Market Review – Chart of the Quarter

## Historical Market Returns Following Rate Cuts

The Federal Reserve decreased the Fed Funds Rate by 50 basis points at the September FOMC meeting to begin a potential series of rate cuts in response to falling inflation. The charts below show the market returns following the first rate cut in previous rate cutting regimes. There has been a wide dispersion in equity market returns as some rate cuts have been into a recession while others have led into new bull markets. The U.S. 10-year treasury had a positive return two years after the first cut in each of these scenarios.



Source: FactSet, Federal Reserve, LSEG Datastream, S&P Global, J.P. Morgan Asset Management. Past performance is not a reliable indicator of current and future results. Excludes 1998 episode due to the short length of the cutting cycle and economic context for the cuts. *Guide to the Markets – U.S.* Data are as of September 30, 2024.

# Q3 2024 Disclosures

Performance of indexes reflects the unmanaged result for the market segment the selected stocks represent. Indexes are unmanaged and not available for direct investment.

**Citigroup Corporate Bond** is an index which serves as a benchmark for corporate bond performance. You cannot invest directly in an index.

**Citigroup Mortgage Master** is an index which serves as a benchmark for U.S. mortgage-backed securities performance.

**Citigroup WGBI Index** is an index which serves as a benchmark for global bond performance, including 22 different government bond markets.

**Credit Suisse High Yield Index** is an unmanaged, trader priced index constructed to mirror the characteristics of the high yield bond market.

**BC (Barclays Capital) U.S. Aggregate Bond Index** represents securities that are U.S., domestic, taxable, and dollar dominated. The index covers the U.S. investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis.

**BC Credit Bond Index** includes publicly issued U.S. corporate and specified foreign debentures and secured notes that meet the specified maturity, liquidity, and quality requirements. To qualify, bonds must be SEC-registered.

**BC U.S. Corporate Investment Grade** represents investment grade corporate securities that are U.S., domestic, taxable, and dollar denominated.

**BC High Yield Corporate Bond** represents below investment grade corporate securities that are U.D., domestic, taxable, and dollar denominated.

**BC TIPS Index** includes publicly issued U.S. government treasury inflation protected securities that meet the specified maturity, liquidity and other requirements.

**BC Mortgage-Backed Securities** covers agency mortgage-backed pass-through securities (both fixed-rate and hybrid ARMs) issued by Ginnie Mae (GNMA), Fannie Mae (FNMA), and Freddie Mac (FHLMC).

**BC Muni Bond** covers the USD-denominated long-term tax-exempt bond market with four main sectors: state and local general obligation bonds, revenue bonds, insured bonds, and pre-refunded bonds.

**BC Government Index** includes publicly issued U.S. government securities that meet the specified maturity, liquidity and other requirements.

**BarCap U.S. Aggregate 1-3 Yr. TR USD Index** represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 1-3 years.

**BarCap U.S. Aggregate 3-5 Yr. TR USD Index** represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 3-5 years.

**BarCap U.S. Aggregate 5-7 Yr. TR USD Index** represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 5-7 years.

**BarCap U.S. Aggregate 7-10 Yr. TR USD Index** represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 7-10 years.

**BarCap U.S. Aggregate 10+ Yr. TR USD Index** represents securities in the BC U.S. Aggregate Index that have maturity dates over 10 years.

**DJW 5000 (Full Cap)** Index measures the performance of all U.S. common equity securities, and serves as an index of all stock trades in the U.S.

**MSCI FI Emerging Markets** is a rules-based index which serves as a benchmark for emerging country fixed income performance.

**MSCI FI EAFE International** is a rules-based index which serves as a benchmark for developed international country fixed income performance.

**MSCI EAFE Index** is listed for foreign stock funds (EAFE refers to Europe, Australia and Far East). Widely accepted as a benchmark for international stock performance, it is an aggregate of 21 individual country indexes.

**MSCI EAFE Large Value** represents the large cap value stocks within the MSCI EAFE Index.

**MSCI EAFE Large Growth** represents the large cap growth stocks within the MSCI EAFE Index.

**MSCI EAFE Mid Value** represents the mid cap value stocks within the MSCI EAFE Index.

**MSCI EAFE Mid Growth** represents the mid cap growth stocks within the MSCI EAFE Index.

**MSCI EAFE Small Value** represents the small cap value stocks within the MSCI EAFE Index.

**MSCI EAFE Small Growth** represents the small cap growth stocks within the MSCI EAFE Index.

**MSCI EM (Emerging Markets) Index** serves as a benchmark for each emerging country. The average size of these companies is (U.S.) \$400 million, as compared with \$300 billion for those companies in the World index.

**MSCI World Index** is a rules-based index that serves as a benchmark for the developed global equity markets.

**MSCI Europe ex UK Index** is a rules-based index that serves as a benchmark for Europe's equity markets, excluding the United Kingdom.

**MSCI Pacific ex Japan Index** is a rules-based index that serves as a benchmark for Asia Pacific's equity markets, excluding Japan.

**MSCI United Kingdom Index** is a rules-based index that serves as a benchmark for the United Kingdom's equity markets.

**MSCI Japan** is a rules-based index that serves as a benchmark for Japan's equity markets.

**NAREIT All REIT Index** includes all tax-qualified REITs with common shares that trade on the New York Stock Exchange the American Stock Exchange or the NASDAQ National Market List.

**3-Month T-Bills** (90 Day T-Bill Index) are government-backed, short-term investments considered to be risk-free and as good as cash because the maturity is only three months.

**Russell 1000 Growth Index** is a market-capitalization weighted index of those firms in the Russell 1000 with higher price-to-book ratios and higher forecasted growth values.

**Russell 1000 Value Index** is a market-capitalization weighted index of those firms in the Russell 1000 with lower price-to-book ratios and lower forecasted growth values.

**Russell Top 200 Growth Index** is a market-capitalization weighted index of those firms in the Russell Top 200 with higher price-to-book ratios and higher forecasted growth values.

**Russell Top 200 Value Index** is a market-capitalization weighted index of those firms in the Russell Top 200 with lower price-to-book ratios and lower forecasted growth values.

**Russell 2000 Growth Index** is a market-weighted total return index that measures the performance of companies within the Russell 2000 Index having higher price-to-book ratio and higher forecasted growth values.

**Russell 2000 Index** consists of the smallest 2000 companies in the Russell 3000 Index, representing approximately 7% of the Russell 3000 total market capitalization.

**Russell 2000 Value Index** is a market-weighted total return index that measures the performance of companies within the Russell 2000 Index having lower price-to-book ratio and lower forecasted growth values.

# Q3 2024 Disclosures

**Russell MidCap Growth Index** is a market-weighted total return index that measures the performance of companies within the Russell MidCap Index having higher price-to-book ratio and higher forecasted growth values.

**Russell MidCap Index** includes firms 201 through 1000, based on market capitalization, from the Russell 3000 Index.

**Russell MidCap Value Index** is a market-weighted total return index that measures the performance of companies within the Russell MidCap Index having lower price-to-book ratio and lower forecasted growth values.

**Russell Top 200 Index** consists of the 200 largest securities in the Russell 3000 Index. Russell 3000 Index is a market capitalization weighted index, consisting of 3,000 U.S. common equity securities, reflective of the broad U.S. equity market.

**Salomon 1-10 Yr. Governments** is an index which serves as a benchmark for U.S. Government bonds with maturities ranging from 1 to 10 years.

**S&P 500 Index** measures the performance of the largest 500 U.S. common equity securities, and serves as an index of large cap stocks traded in the U.S.

**S&P 1500 Energy Index** measures the performance of the energy sector in the S&P 1500 Index.

**S&P 1500 Industrials** measures the performance of the industrial sector in the S&P 1500 Index.

**S&P 1500 Financials** measures the performance of the financials sector in the S&P 1500 Index.

**S&P 1500 Utilities** measures the performance of the utilities sector in the S&P 1500 Index.

**S&P 1500 Consumer Discretionary Index** measures the performance of the consumer discretionary sector in the S&P 1500 Index.

**S&P 1500 Consumer Staples Index** measures the performance of the consumer staples sector in the S&P 1500 Index.

**S&P 1500 Information Technology** measures the performance of the information technology sector in the S&P 1500 Index.

**S&P 1500 Materials** measures the performance of the materials sector in the S&P 1500 Index.

**S&P 1500 Health Care** measures the performance of the health care sector in the S&P 1500 Index.

**S&P 1500 Telecommunications Services Index** measures the performance of the telecommunications services sector in the S&P 1500 Index.

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