



A P O L L O N

Quarterly Considerations

Q2 2023





Disclosure

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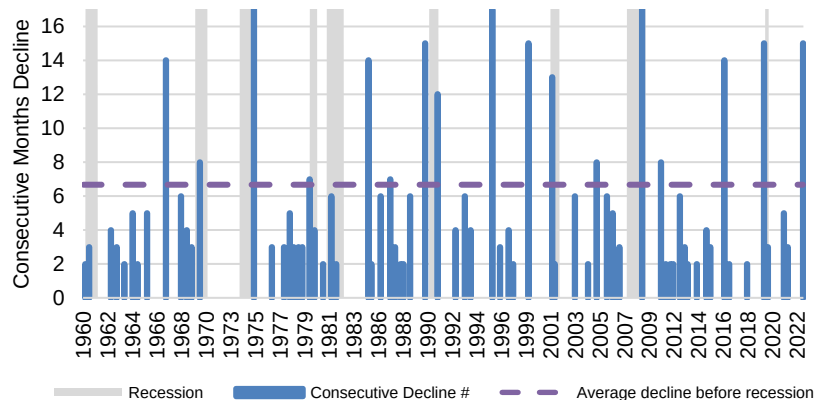


Market Themes

1. The S&P 500 continued its Q1 rally through June lead by a narrow band of securities. The technology and artificial intelligence heavy rally has pushed the NASDAQ up an impressive 32% YTD helping propel large cap U.S. stocks up for the quarter.
2. One of the most anticipated recessions of all time has yet to materialize, though risks are rising. Continued contraction in leading economic indicators along with tighter financial conditions point to greater potential for slower economic growth.
3. Q2 data continued the moderating inflation trend with the Consumer Price Index hitting 4% for the first time since 2021. This supports our view the Fed is nearer, if not at, the terminal Fed Funds rate.

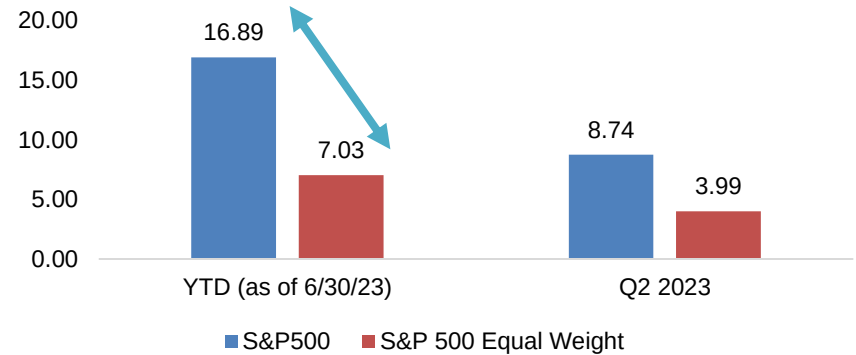
Leading Indicators Have Contracted

The LEI index has contracted 15 consecutive months, well in excess of the recessionary "redzone" which begins to draw attention after six months of declines.



S&P 500 Index Return: The Power of Concentration

Today, the top five constituents of the S&P 500 make up 22.4% of the index and has driven 56% of returns YTD. This is the highest level of concentration in the past five years and over eight percent higher than the dot com bubble.



Source: Morningstar, Fiducient Advisors analysis June 30, 2023

Light at the End of the Tunnel

Past rate hiking cycles in the U.S. ended after the terminal Fed Funds Rate exceeded inflation. The Fed Funds Rate surpassed the annual inflation rate in May marking the first time in this cycle this has occurred.

	Terminal Fed Funds Rate		Rate of Inflation
May-74	13%	←	10.1%
May-81	20%	←	10%
Aug-84	11.75%	←	4.2%
Feb-84	9.75%	←	4.7%
Feb-95	6%	←	2.8%
May-00	6.5%	←	3.1%
Jun-06	5.25%	←	4.2%
Dec-18	2.5%	←	2.2%
May-23	5%*	←	4.0%

Source: Stategous June 30, 2023

*5% is the Fed Funds Rate of June 30, 2023. It does not imply 5% will be the terminal rate

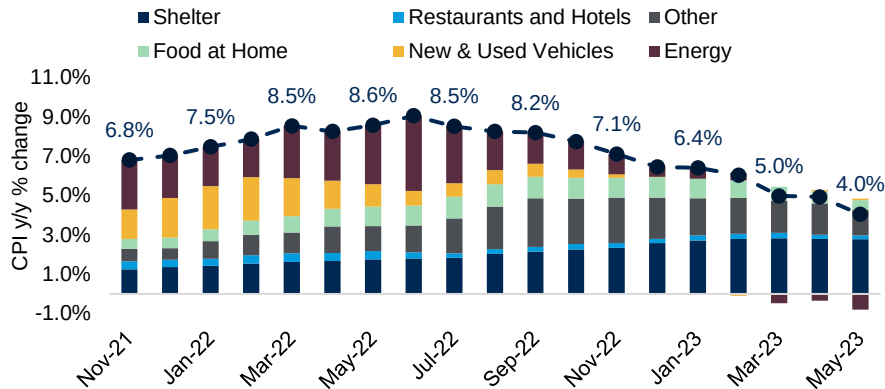
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Economic Review

U.S Inflation – Contribution by Component

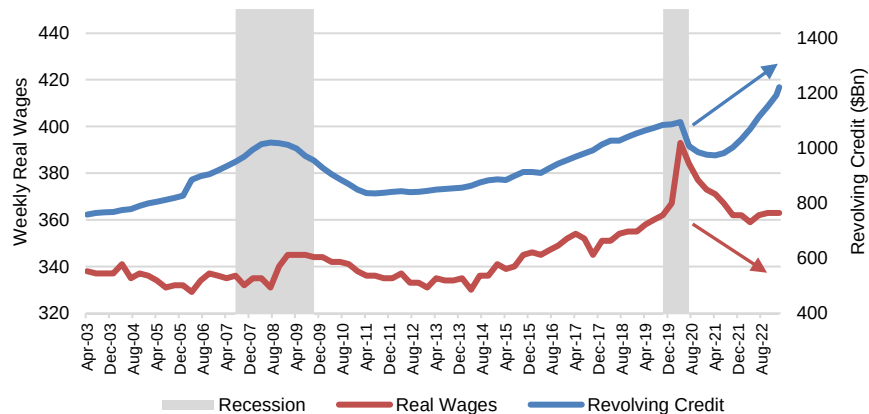
U.S. inflation hit 4%, the first time since 2001. Shelter contributed almost 70% to the May 2023 reading, up from 20% in June 2022. Home prices, a lagged variable in the CPI calculation are beginning to show signs of cooling.



Sources: FactSet, BLS, Fiducient Advisors calculations. As of June 28, 2023. Data based on U.S. Consumer Price Index (CPI) All Items, Not Seasonally Adjusted.

Consumer Strength Waning?

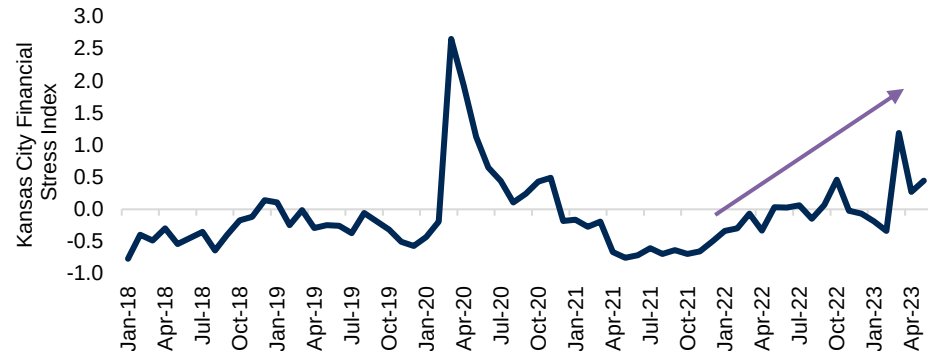
Falling real wages coinciding with rising credit card balances may test the resolve and ability of the consumer to continue to spend.



Source: Federal Reserve Economic Data January 2023; NY Federal Reserve March 2023.

Tightening Financial Conditions

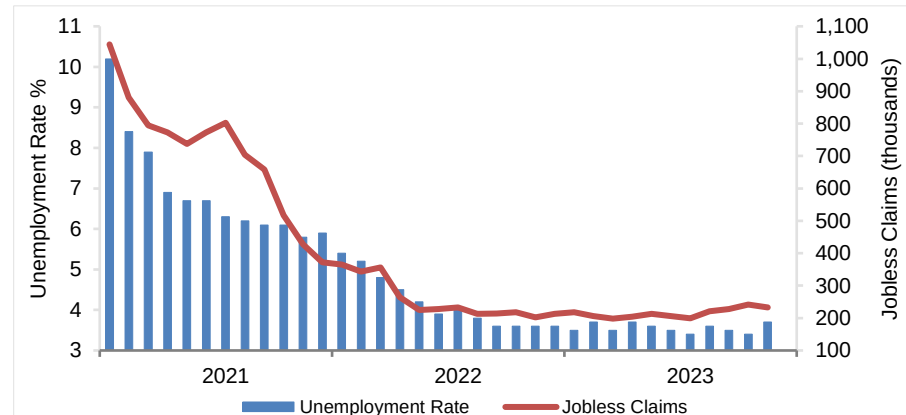
Financial conditions have tightened in the wake of central bank policy actions as well as other stresses in the banking system.



Sources: Federal Reserve Bank of Kansas City, Federal Reserve Bank of St. Louis. As of June 9, 2023. The Kansas City Financial Stress Index (KCFSI) is a monthly measure of stress in the U.S. financial system based on 11 financial market variables. A positive value indicates that financial stress is above the long-run average, while a negative value signifies that financial stress is below the long-run average.

Labor Market Strength

Though there could be warning signs ahead for consumer strength, the job market remains supportive which may help mitigate the risk of an extreme recession.

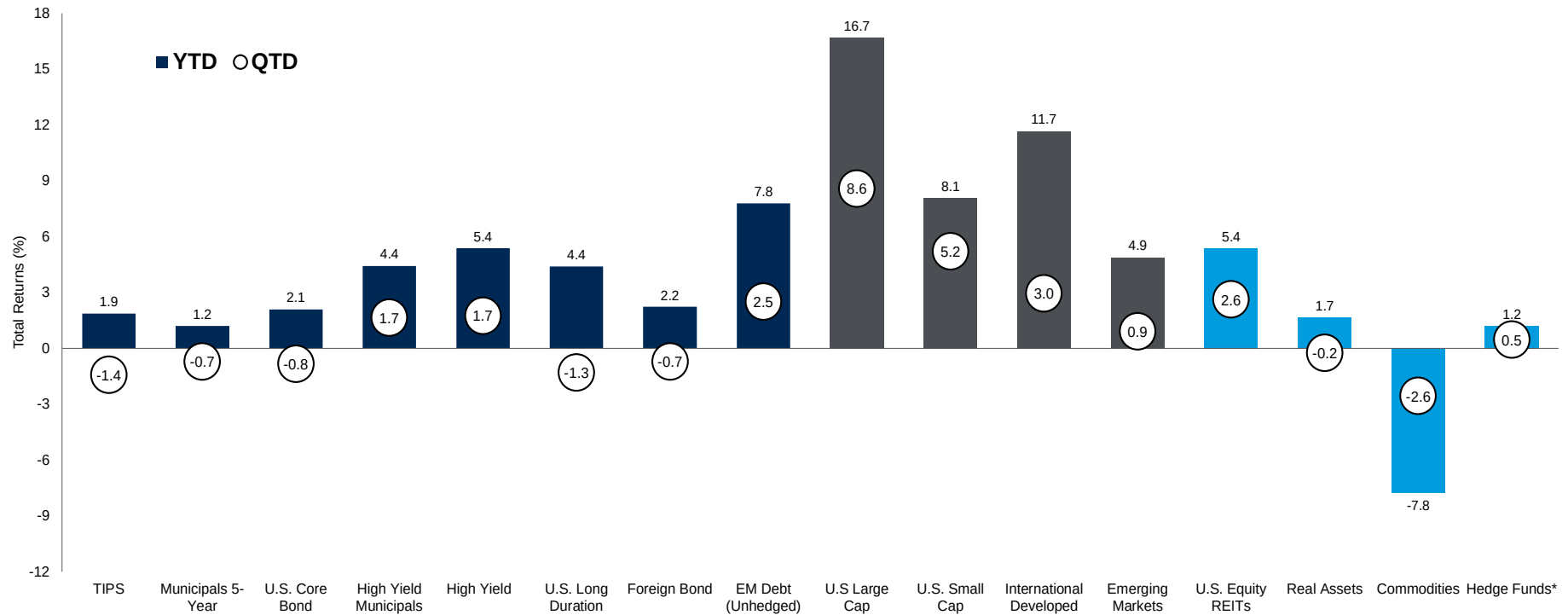


Source: Factset June 30, 2023.

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Asset Class Returns



Source: Morningstar Direct. As of June 30, 2023. *Hedge fund returns as of May 31, 2023.

Fixed Income (2Q)

- Volatility in interest rate markets continued in the second quarter, as investors grappled with the future of Fed policy. Ultimately, rates ended higher, providing a headwind for bonds.

- + Credit sectors generally fared well, as spreads compressed through the quarter on improved sentiment.

- Inflation continued to moderate during the quarter and posed a headwind for TIPS. Weakness in the U.S. Dollar was a tailwind for foreign bonds but persistent inflation outside the U.S. muted returns.

Equity (2Q)

- + Equity markets posted gains broadly. In the U.S., large cap outperformed on strong mega-cap tech returns. Small cap fared well amid improving sentiment and strong value sector performance.

- + Non-U.S. developed posted positive returns during the quarter. Strength in Europe and Japan contributed to returns. A falling dollar provided an added tailwind.

- + Emerging market equity posted a modest positive return. Concerns over China's economic growth offset positive returns in Europe.

Real Asset / Alternatives (2Q)

- + U.S. REITs gained with strength in residential and data centers. However, clouds still linger over the office market.

- Commodity markets took a step back in the quarter, largely driven by a pullback in the energy sector and industrial metals.

- + Hedge Funds saw modest gains for the first two months of the year.

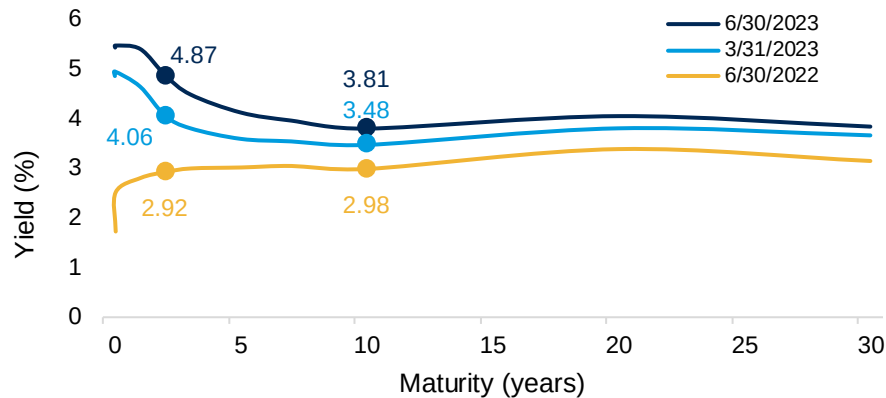
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Fixed Income Market Update

U.S. Treasury Yield Curve

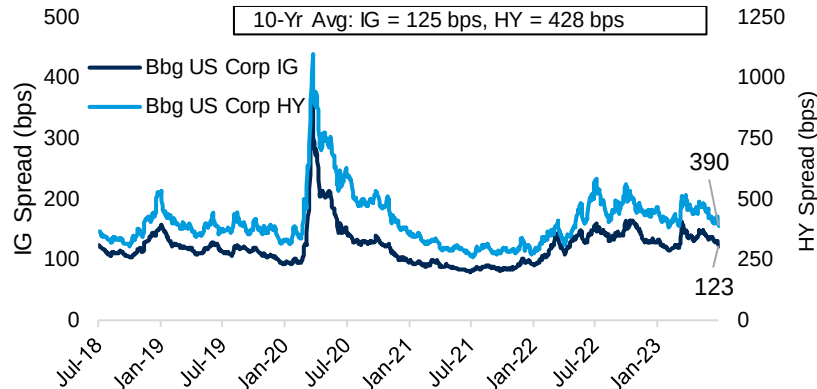
Interest rate volatility continued during the quarter. The Fed raised their target rate by 25 bps in May but paused in June. Despite the pause, hawkish communication from The Fed drove rates higher.



Source: FactSet. As of June 30, 2023.

Corporate Market Spreads – Trailing 5 Years

Corporate spreads tightened with both investment grade and high yield below 10-year averages. Strong fundamentals and robust interest coverage ratios were beneficial to sentiment.

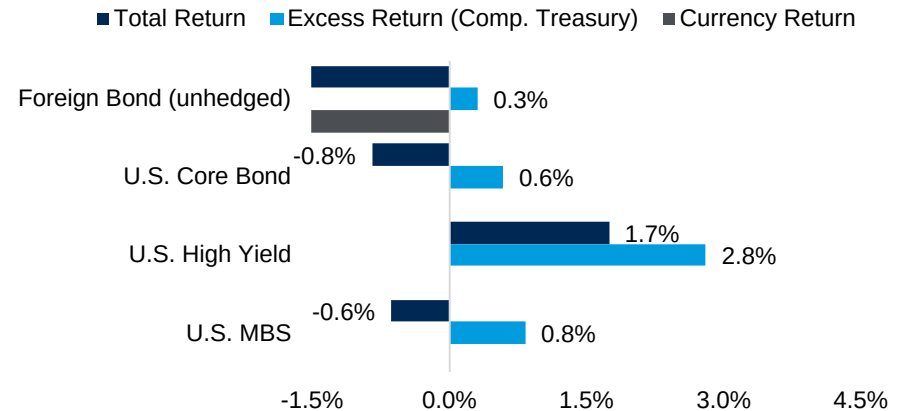


Source: FactSet. As of June 30, 2023.

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Index Performance Attribution (2Q 2023)

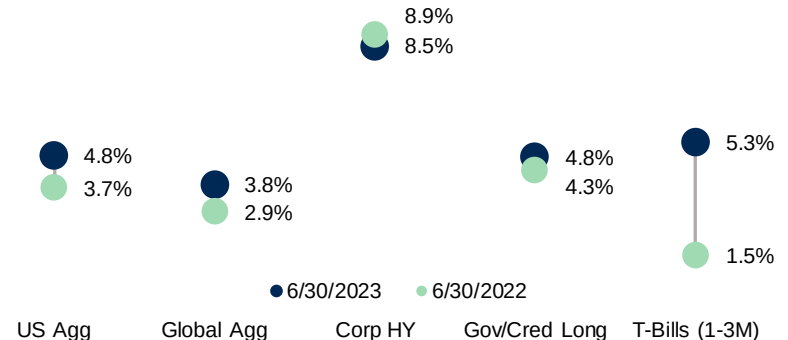
Non-government sectors, relative to similar duration Treasuries were positive in the quarter. Corporate high yield strength led to spread tightening which benefitted returns. Developed market foreign bonds lagged amid higher inflation and further monetary tightening.



Source: FactSet. As of June 30, 2023.

Current Yield-to-Worst vs. 1 Year Ago

Short fixed income yields have seen a large jump from one year ago on the back of Fed policy. While performance has suffered over the last year, the prospect for fixed income going forward looks more attractive at current levels.



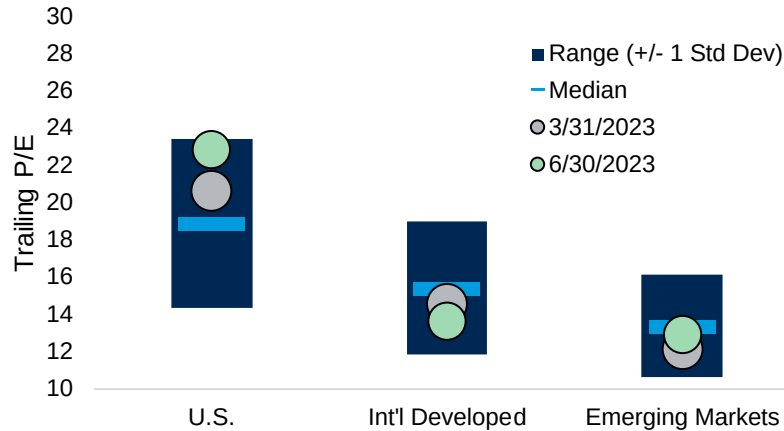
Source: FactSet. As of June 30, 2023. Based on respective Bloomberg Index.



Equity Market Update

Equity Valuations (Trailing PE – Last 15 Years)

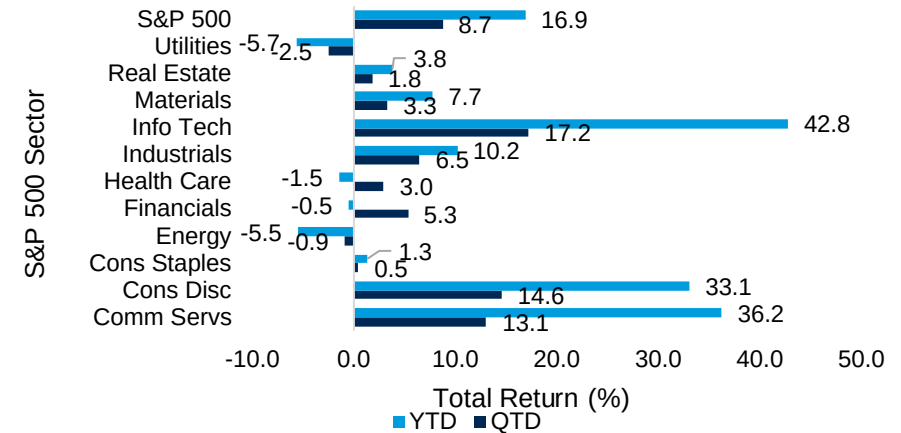
Valuations edged higher as prices rose and earnings fell. The U.S. market ends near peak levels compared to the last 15 years, while international and EM look more attractive on an absolute and relative basis.



Source: FactSet. As of June 30, 2023.

U.S. Equities – Return by Sector (2Q 2023)

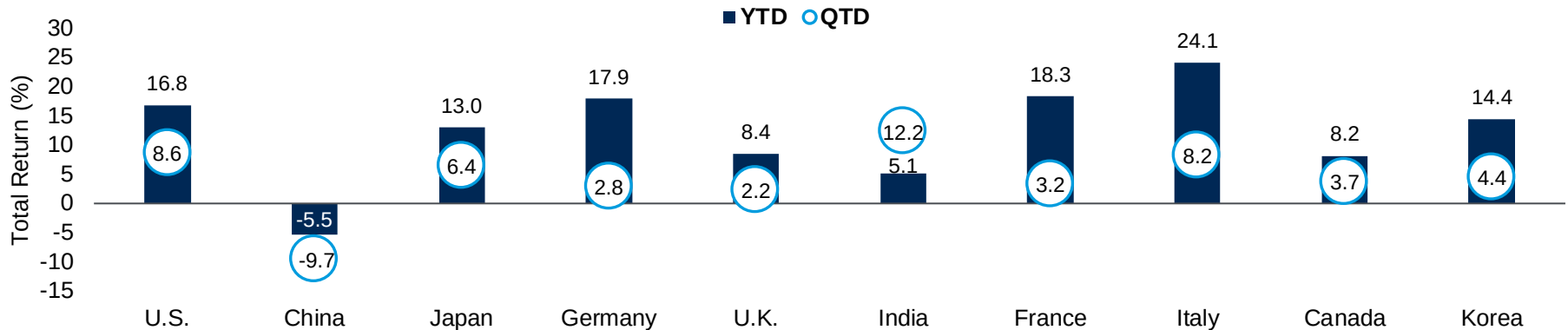
Equities were narrowly driven by mega-cap growth related stocks in the information technology and consumer sectors. Financials saw a strong rebound as banking sector disruption abated.



Source: Morningstar Direct. As of June 30, 2023.

Country Total Returns (%) – Top 10 Largest Economies

Global equity markets continued gains during the quarter. Emerging markets were a standout with India outperforming the U.S. and developed markets. Developed markets broadly continue to struggle with persistently high inflation and muted growth expectations. China saw negative returns as the country continues to struggle with growth due to the pace of their economy re-opening.



Source: Morningstar Direct. As of June 30, 2023.

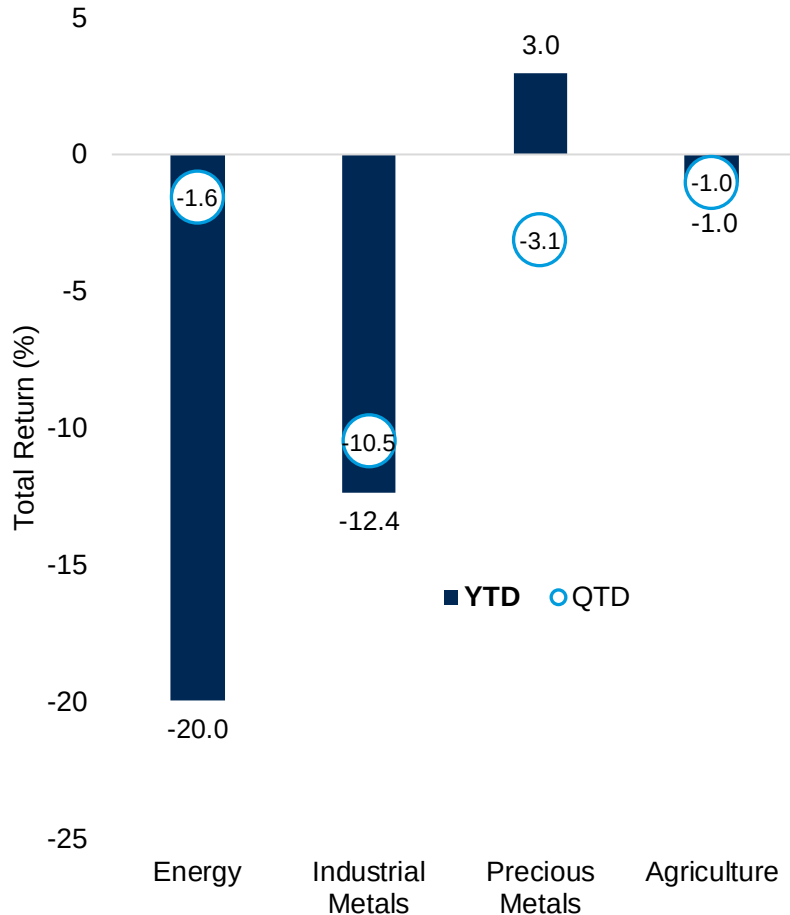
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Real Assets Market Update

Commodity Performance

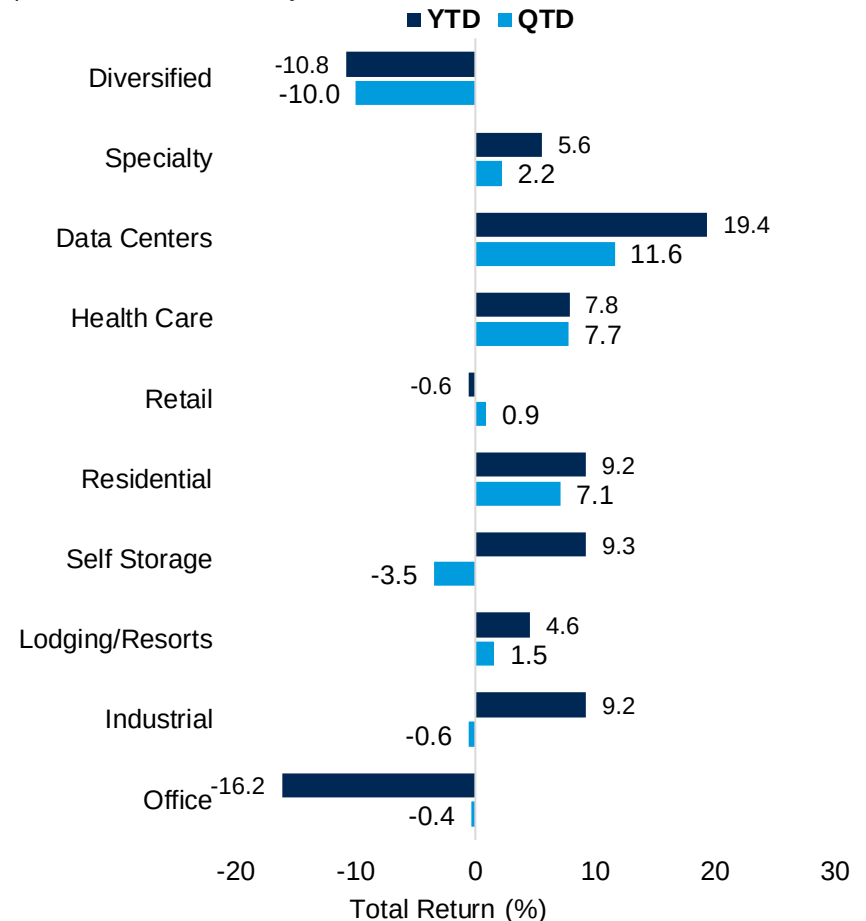
Commodities struggled in the quarter. Industrial metals fell on overall weaker global growth expectations and lower expected demand. Energy and Agriculture held in on robust gasoline prices and booming soybean prices, respectively.



Source: Morningstar Direct. As of June 30, 2023.

REIT Sector Performance

There was wide variation in property type performance for the quarter. A robust residential housing market bolstered returns and hospitals improved as activity continues to increase post-COVID. The office market continues to be plagued by the “new” hybrid work environment and subsequent lower demand for office space, which has conversely benefitted data centers.



Source: Morningstar Direct. As of June 30, 2023.

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The Case for Diversification

2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD	10 Years (Ann)
TIPS 13.6	Emerging Markets 18.2	U.S. Small Cap 38.8	U.S. Equity REITs 30.1	U.S. Equity REITs 3.2	U.S. Small Cap 21.3	Emerging Markets 37.3	High Yield Munis 4.8	U.S. Large Cap 31.5	U.S. Small Cap 20.0	U.S. Equity REITs 43.2	Commodities 16.1	U.S. Large Cap 16.7	U.S. Large Cap 12.6
High Yield Munis 9.3	High Yield Munis 18.1	U.S. Large Cap 32.4	High Yield Munis 13.8	Municipals 5-Year 2.4	High Yield 17.1	International Dev. 25.0	Municipals 5-Year 1.7	U.S. Equity REITs 26.0	U.S. Large Cap 18.4	Commodities 27.1	Municipals 5-Year -5.3	International Developed 11.7	U.S. Small Cap 8.3
U.S. Equity REITs 8.3	U.S. Equity REITs 18.1	International Dev. 22.8	U.S. Large Cap 13.7	High Yield Munis 1.8	U.S. Large Cap 12.0	U.S. Large Cap 21.8	Foreign Bond 0.5	U.S. Small Cap 25.5	Emerging Markets 18.3	US Large Cap 26.5	Hedge Funds -5.6	U.S. Small Cap 8.1	U.S. Equity REITs 6.4
Core Bond 7.8	International Dev. 17.3	Balanced 12.2	Core Bond 6.0	U.S. Large Cap 1.4	Commodities 11.7	EM Debt (unhedged) 15.2	Core Bond 0.0	International Dev. 22.5	TIPS 11.0	US Small Cap 14.8	High Yield -11.2	EM Debt (unhedged) 7.8	International Dev. 5.4
Municipals 5-Year 6.9	EM Debt (unhedged) 16.9	Hedge Funds 9.0	Balanced 5.1	Core Bond 0.6	Emerging Markets 11.2	U.S. Small Cap 14.6	TIPS -1.3	Emerging Markets 18.4	Balanced 8.8	International Dev. 11.3	EM Debt (unhedged) -11.7	Balanced 7.0	Balanced 4.9
High Yield 5.0	U.S. Small Cap 16.3	High Yield 7.4	U.S. Small Cap 4.9	Hedge Funds -0.3	EM Debt (unhedged) 9.9	Balanced 13.6	High Yield -2.1	Balanced 17.5	International Dev. 7.8	Balanced 9.8	TIPS -11.8	High Yield 5.4	High Yield 4.4
Foreign Bond 4.2	U.S. Large Cap 16.0	U.S. Equity REITs 2.5	TIPS 3.6	International Dev. -0.8	U.S. Equity REITs 8.5	High Yield Munis 9.7	Hedge Funds -4.0	High Yield 14.3	Core Bond 7.5	High Yield Munis 7.8	U.S. Core Bond -13.0	U.S. Equity REITs 5.4	High Yield Municipals 4.2
U.S. Large Cap 2.1	High Yield 15.8	Municipals 5-Year 0.8	Hedge Funds 3.4	TIPS -1.4	Balanced 7.6	Hedge Funds 7.8	U.S. Large Cap -4.4	EM Debt (unhedged) 13.5	Hedge Funds 7.1	TIPS 6.0	High Yield Municipals -13.1	Emerging Markets 4.9	Hedge Funds 3.1
Balanced 0.9	Balanced 11.5	Foreign Bond -1.0	Municipals 5-Year 3.2	Foreign Bond -2.3	TIPS 4.7	High Yield 7.5	U.S. Equity REITs -4.6	High Yield Munis 10.7	High Yield 7.1	Hedge Funds 5.7	Foreign Bond -14.2	High Yield Municipals 4.4	Emerging Markets 3.0
EM Debt (unhedged) -1.8	TIPS 7.0	Core Bond -2.0	Foreign Bond 2.9	Balanced -3.3	Foreign Bond 3.2	Foreign Bond 6.5	Balanced -5.8	Core Bond 8.7	Foreign Bond 7.0	High Yield 5.3	International Dev. -14.5	Foreign Bond 2.2	TIPS 2.1
U.S. Small Cap -4.2	Foreign Bond 5.3	Emerging Markets -2.6	High Yield 2.5	U.S. Small Cap -4.4	High Yield Munis 3.0	U.S. Equity REITs 5.2	EM Debt (unhedged) -6.2	TIPS 8.4	High Yield Munis 4.9	Municipals 5-Year 0.3	Balanced -14.9	U.S. Core Bond 2.1	Municipals 5-Year 1.7
Hedge Funds -5.7	Hedge Funds 4.8	High Yield Munis -5.5	Emerging Markets -2.2	High Yield -4.5	Core Bond 2.6	Core Bond 3.5	U.S. Small Cap -11.0	Hedge Funds 7.8	Municipals 5-Year 4.3	Core Bond -1.5	U.S. Large Cap -19.1	TIPS 1.9	U.S. Core Bond 1.5
Commodities -13.3	Core Bond 4.2	TIPS -8.6	International Dev. -4.9	Emerging Markets -14.9	International Dev. 1.0	Municipals 5-Year 3.1	Commodities -11.2	Commodities 7.7	EM Debt (unhedged) 2.7	Emerging Markets -2.5	Emerging Markets -20.1	Municipals 5-Year 1.2	Foreign Bond 0.8
International Dev. -12.1	Municipals 5-Year 3.0	EM Debt (unhedged) -9.0	EM Debt (unhedged) -5.7	EM Debt (unhedged) -14.9	Hedge Funds 0.5	TIPS 3.0	International Dev. -13.8	Foreign Bond 6.3	Commodities -3.1	Foreign Bond -4.2	U.S. Small Cap -20.4	Hedge Funds 1.2	EM Debt (unhedged) -0.6
Emerging Markets -18.4	Commodities -1.1	Commodities -9.5	Commodities -17.0	Commodities -24.7	Municipals 5-Year -0.4	Commodities 1.7	Emerging Markets -14.6	Municipals 5-Year 5.4	U.S. Equity REITs -8.0	EM Debt (unhedged) -8.7	U.S. Equity REITs -24.4	Commodities -7.8	Commodities -1.0

Sources: Morningstar, FactSet. As of June 30, 2023. *Periods greater than one year are annualized. Total returns in U.S. dollars. Hedge Funds as of May 31, 2023.

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Financial Markets Performance



Financial Markets Performance

Total Return as of June 30, 2023

Periods greater than one year are annualized

All returns are in U.S. dollar terms

Global Fixed Income Markets	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
Bloomberg 1-3-Month T-Bill	1.2%	2.3%	3.7%	1.3%	1.5%	1.3%	1.0%	0.7%
Bloomberg U.S. TIPS	-1.4%	1.9%	-1.4%	-0.1%	2.5%	2.0%	2.1%	2.9%
Bloomberg Municipal Bond (5 Year)	-0.7%	1.2%	1.5%	-0.6%	1.4%	1.1%	1.7%	2.8%
Bloomberg High Yield Municipal Bond	1.7%	4.4%	2.9%	1.8%	2.8%	3.2%	4.2%	4.9%
Bloomberg U.S. Aggregate	-0.8%	2.1%	-0.9%	-4.0%	0.8%	0.4%	1.5%	2.7%
Bloomberg U.S. Corporate High Yield	1.7%	5.4%	9.1%	3.1%	3.4%	4.5%	4.4%	6.6%
Bloomberg Global Aggregate ex-U.S. Hedged	0.7%	3.6%	1.5%	-2.2%	1.0%	1.0%	2.5%	3.3%
Bloomberg Global Aggregate ex-U.S. Unhedged	-2.2%	0.8%	-1.8%	-5.9%	-2.7%	-2.1%	-0.9%	0.3%
Bloomberg U.S. Long Gov / Credit	-1.3%	4.4%	-2.6%	-8.6%	0.7%	0.2%	2.9%	4.7%
JPMorgan GBI-EM Global Diversified	2.5%	7.8%	11.4%	-1.4%	0.3%	0.8%	-0.6%	1.8%
Global Equity Markets	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
S&P 500	8.7%	16.9%	19.6%	14.6%	12.3%	13.4%	12.9%	10.9%
Dow Jones Industrial Average	4.0%	4.9%	14.2%	12.3%	9.6%	12.3%	11.3%	10.4%
NASDAQ Composite	13.1%	32.3%	26.1%	12.0%	13.9%	17.2%	16.2%	13.9%
Russell 3000	8.4%	16.2%	19.0%	13.9%	11.4%	12.9%	12.3%	10.6%
Russell 1000	8.6%	16.7%	19.4%	14.1%	11.9%	13.2%	12.6%	10.8%
Russell 1000 Growth	12.8%	29.0%	27.1%	13.7%	15.1%	16.9%	15.7%	12.9%
Russell 1000 Value	4.1%	5.1%	11.5%	14.3%	8.1%	8.9%	9.2%	8.4%
Russell Mid Cap	4.8%	9.0%	14.9%	12.5%	8.5%	10.1%	10.3%	9.6%
Russell Mid Cap Growth	6.2%	15.9%	23.1%	7.6%	9.7%	12.0%	11.5%	10.2%
Russell Mid Cap Value	3.9%	5.2%	10.5%	15.0%	6.8%	8.2%	9.0%	9.0%
Russell 2000	5.2%	8.1%	12.3%	10.8%	4.2%	8.8%	8.3%	8.4%
Russell 2000 Growth	7.1%	13.6%	18.5%	6.1%	4.2%	9.3%	8.8%	8.9%
Russell 2000 Value	3.2%	2.5%	6.0%	15.4%	3.5%	7.7%	7.3%	7.7%
MSCI ACWI	6.2%	13.9%	16.5%	11.0%	8.1%	9.9%	8.8%	6.6%
MSCI ACWI ex. U.S.	2.4%	9.5%	12.7%	7.2%	3.5%	6.3%	4.7%	2.9%
MSCI EAFE	3.0%	11.7%	18.8%	8.9%	4.4%	6.9%	5.4%	3.4%
MSCI EAFE Growth	2.8%	14.2%	20.2%	6.3%	5.4%	7.4%	6.4%	4.1%
MSCI EAFE Value	3.2%	9.3%	17.4%	11.3%	2.9%	6.0%	4.1%	2.4%
MSCI EAFE Small Cap	0.6%	5.5%	10.2%	5.7%	1.3%	5.7%	6.2%	4.9%
MSCI Emerging Markets	0.9%	4.9%	1.7%	2.3%	0.9%	5.0%	3.0%	1.8%
Alternatives	QTD	YTD	1YR	3YR	5YR	7YR	10YR	15YR
Consumer Price Index*	0.5%	1.4%	4.1%	5.8%	3.9%	3.4%	2.7%	2.3%
FTSE NAREIT Equity REITs	2.6%	5.4%	-0.1%	8.9%	4.6%	3.5%	6.4%	6.8%
S&P Real Assets	-0.2%	1.7%	0.7%	6.2%	3.4%	3.9%	3.8%	4.1%
FTSE EPRA NAREIT Developed	0.5%	1.6%	-3.6%	4.3%	0.8%	1.7%	3.8%	4.1%
FTSE EPRA NAREIT Developed ex U.S.	-2.8%	-4.3%	-8.7%	-2.0%	-3.2%	-0.1%	1.2%	1.7%
Bloomberg Commodity Total Return	-2.6%	-7.8%	-9.6%	17.8%	4.7%	3.4%	-1.0%	-4.7%
HFRI Fund of Funds Composite*	0.5%	1.2%	1.2%	5.4%	3.0%	3.8%	3.1%	1.9%
HFRI Asset Weighted Composite*	0.9%	0.3%	-1.4%	6.2%	3.2%	4.0%	3.5%	3.4%

Sources: Morningstar, FactSet. As of June 30, 2023. *Consumer Price Index and HFRI indexes as of May 31, 2023.

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When referencing asset class returns or statistics, the following indices are used to represent those asset classes, unless otherwise noted. Each index is unmanaged, and investors can not actually invest directly into an index:

TIPS: Bloomberg US Treasury US TIPS TR USD

Municipals 5-Year: Bloomberg Municipal Bond 5 Year (4-6) TR USD

U.S. Core Bond: Bloomberg US Aggregate Bond TR USD

High Yield Municipals: Bloomberg HY Muni TR USD

High Yield: Bloomberg US Corporate High Yield TR USD

U.S. Long Duration: Bloomberg U.S. Long Government/Credit TR USD

Foreign Bond: Bloomberg Global Aggregate ex-USD TR USD (50/50 blend of hedged and unhedged)

EM Debt (unhedged): J.P. Morgan GBI-EM Global Diversified Composite Unhedged TR USD

U.S. Large Cap: Russell 1000 TR USD

U.S. Small Cap : Russell 2000 TR USD

International Developed: MSCI EAFE NR USD

Emerging Markets: MSCI Emerging Markets NR USD

U.S. Equity REITs: FTSE Nareit Equity REITs TR USD

Real Assets: S&P Real Assets TR USD

Commodities: Bloomberg Commodity TR USD

Hedge Funds: Hedge Fund Research HFRI Fund of Funds Composite USD

Foreign Bond Unhedged: Bloomberg Global Aggregate ex USD TR USD unhedged

U.S. MBS: Bloomberg US MBS (30Y) TR USD

Balanced: 18% U.S. Large Cap, 6% U.S. Small Cap, 5% U.S. Equity REITs, 16% International Developed, 4% High Yield, 8% Emerging Markets, 3% TIPS, 33% U.S. Core Bond, 2% Foreign Bond, 3% Commodities, 2% EM Debt (unhedged).

Equity valuations are based on trailing 12-month P/E ratios for S&P 500 Index (U.S.), MSCI EAFE Index (Int'l Developed), and MSCI EM Index (Emerging Markets)

S&P 500 sector performance based on the following indices: S&P 500 Sec/Commun Services TR USD, S&P 500 Sec/Financials TR USD, S&P 500 Sec/Energy TR USD, S&P 500 Sec/Industrials TR USD, S&P 500 TR USD, S&P 500 Sec/Health Care TR USD, S&P 500 Sec/Cons Disc TR USD, S&P 500 Sec/Utilities TR USD, S&P 500 Sec/Cons Staples TR USD, S&P 500 Sec/Materials TR USD, S&P 500 Sec/Information Technology TR USD, S&P 500 Sec/Real Estate TR USD

Equity country returns based on the following indices: U.S.: MSCI USA NR USD, China: MSCI CHINA NR USD, Japan: MSCI Japan NR USD, Germany: MSCI Germany NR USD, United Kingdom: MSCI NR USD, India: MSCI India NR USD, France: MSCI France NR USD, Italy: MSCI Italy NR USD, Canada: MSCI Canada NR USD, Korea: MSCI Korea NR USD, Energy:

Commodity Performance based on the following indices: Energy: Bloomberg Sub Energy TR USD, Industrial Metals: Bloomberg Sub Industrial Metals TR USD, Precious Metals: Bloomberg Sub Precious Metals TR USD, Agriculture: Bloomberg Sub Agriculture TR USD

REIT sector performance is based on the following indices: FTSE Nareit Equity Health Care TR, FTSE Nareit Equity Lodging/Resorts TR, FTSE Nareit Equity Office TR, FTSE Nareit Equity Data Centers TR, FTSE Nareit Equity Diversified TR, FTSE Nareit Equity Specialty TR, FTSE Nareit Equity Retail TR, FTSE Nareit Equity Residential TR, FTSE Nareit Equity Industrial TR, FTSE Nareit Equity Self Storage TR

Marketable Alternatives indices used include HFRI Fund of Funds Composite Index, HFRI Asset Weighted Composite Index, HFRI Equity Hedge (Total) Index – Asset Weighted, HFRI Event Driven (Total) Index – Asset Weighted, HFRI Macro (Total) Index – Asset Weighted, HFRI Relative Value (Total) Index – Asset Weighted. HFRI Fund of Funds Composite Index is not asset weighted.



Material Risks & Limitations

Fixed Income securities are subject to interest rate risks, the risk of default and liquidity risk. U.S. investors exposed to non-U.S. fixed income may also be subject to currency risk and fluctuations.

Cash may be subject to the loss of principal and over longer period of time may lose purchasing power due to inflation.

Domestic Equity can be volatile. The rise or fall in prices take place for a number of reasons including, but not limited to changes to underlying company conditions, sector or industry factors, or other macro events. These may happen quickly and unpredictably.

International Equity can be volatile. The rise or fall in prices take place for a number of reasons including, but not limited to changes to underlying company conditions, sector or industry impacts, or other macro events. These may happen quickly and unpredictably. International equity allocations may also be impact by currency and/or country specific risks which may result in lower liquidity in some markets.

Real Assets can be volatile and may include asset segments that may have greater volatility than investment in traditional equity securities. Such volatility could be influenced by a myriad of factors including, but not limited to overall market volatility, changes in interest rates, political and regulatory developments, or other exogenous events like weather or natural disaster.

Private Equity involves higher risk and is suitable only for sophisticated investors. Along with traditional equity market risks, private equity investments are also subject to higher fees, lower liquidity and the potential for leverage that may amplify volatility and/or the potential loss of capital.

Private Credit involves higher risk and is suitable only for sophisticated investors. These assets are subject to interest rate risks, the risk of default and limited liquidity. U.S. investors exposed to non-U.S. private credit may also be subject to currency risk and fluctuations.

Private Real Estate involves higher risk and is suitable only for sophisticated investors. Real estate assets can be volatile and may include unique risks to the asset class like leverage and/or industry, sector or geographical concentration. Declines in real estate value may take place for a number of reasons including, but are not limited to economic conditions, change in condition of the underlying property or defaults by the borrow.

Marketable Alternatives involves higher risk and is suitable only for sophisticated investors. Along with traditional market risks, marketable alternatives are also subject to higher fees, lower liquidity and the potential for leverage that may amplify volatility or the potential for loss of capital. Additionally, short selling involved certain risks including, but not limited to additional costs, and the potential for unlimited loss on certain short sale positions.



Disclosures – Index & Benchmark Definitions

Index & Benchmark Definitions

Fixed Income

- **Bloomberg 1-3 Month U.S. Treasury Bill Index** is designed to measure the performance of public obligations of the U.S. Treasury that have a remaining maturity of greater than or equal to 1 month and less than 3 months.
- **Bloomberg U.S. Aggregate 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.
- **Bloomberg Global Aggregate ex. USD Indices** represent a broad-based measure of the global investment-grade fixed income markets. The two major components of this index are the Pan-European Aggregate and the Asian-Pacific Aggregate Indices. The index also includes Eurodollar and Euro-Yen corporate bonds and Canadian government, agency and corporate securities.
- **Bloomberg U.S. Corporate High Yield Index** covers the universe of fixed rate, non-investment grade debt. Eurobonds and debt issues from countries designated as emerging markets (sovereign rating of Baa1/BBB+/BBB+ and below using the middle of Moody's, S&P, and Fitch) are excluded, but Canadian and global bonds (SEC registered) of issuers in non-EMG countries are included.
- **Bloomberg US Government/Credit 1-3 Year Index** is the 1-3 year component of the U.S. Government/Credit Index, which includes securities in the Government and Credit Indices. The Government Index includes treasuries and agencies, while the credit index includes publicly issued U.S. corporate and foreign debentures and secured notes that meet specified maturity, liquidity, and quality requirements.
- **Bloomberg US Government/Credit Long Index** is the Long component of the U.S. Government/Credit Index, which includes securities in the Government and Credit Indices. The Government Index includes treasuries and agencies, while the credit index includes publicly issued U.S. corporate and foreign debentures and secured notes that meet specified maturity, liquidity and quality requirements.
- **Bloomberg US Treasury Inflation Protected Securities Index** consists of Inflation-Protection securities issued by the U.S. Treasury.
- **Bloomberg Muni Index** is a rules-based, market-value-weighted index engineered for the long-term tax-exempt bond market. Bonds must be rated investment-grade by at least two ratings agencies.
- **Bloomberg High Yield Municipal Bond Index** covers the universe of fixed rate, non-investment grade debt.
- **Bloomberg Intermediate U.S. Gov't/Credit** is the Intermediate component of the U.S. Government/Credit index, which includes securities in the Government and Credit Indices. The Government Index includes treasuries and agencies, while the credit index includes publicly issued U.S. corporate and foreign debentures and secured notes that meet specified maturity, liquidity, and quality requirements.
- **JPMorgan GBI-EM Global Diversified** tracks the performance of local currency debt issued by emerging market governments, whose debt is accessible by most of the international investor base.

Equity

- **The S&P 500 Index** is a capitalization-weighted index designed to measure performance of the broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.
- **Russell 3000 Value Index** measures the performance of those Russell 3000 companies with lower P/B ratios and lower forecasted growth values.
- **Russell 3000 Index** is a market-cap-weighted index which consists of roughly 3,000 of the largest companies in the U.S. as determined by market capitalization. It represents nearly 98% of the investable U.S. equity market.
- **Russell 3000 Growth Index** measures the performance of those Russell 3000 companies with higher P/B ratios and higher forecasted growth values.
- **Russell 1000 Value Index** measures the performance of those Russell 1000 companies with lower P/B ratios and lower forecasted growth values.
- **Russell 1000 Index** consists of the largest 1000 companies in the Russell 3000 Index.
- **Russell 1000 Growth Index** measures the performance of those Russell 1000 companies with higher P/B ratios and higher forecasted growth values.
- **Russell Mid Cap Value Index** measures the performance of those Russell Mid Cap companies with lower P/B ratios and lower forecasted growth values.
- **Russell Mid Cap Index** measures the performance of the 800 smallest companies in the Russell 1000 Index.
- **Russell Mid Cap Growth Index** measures the performance of those Russell Mid Cap companies with higher P/B ratios and higher forecasted growth values.
- **Russell 2000 Value Index** measures the performance of those Russell 2000 companies with lower P/B ratios and lower forecasted growth values.
- **Russell 2000** consists of the 2,000 smallest U.S. companies in the Russell 3000 index.
- **Russell 2000 Growth Index** measures the performance of the Russell 2000 companies with higher P/B ratios and higher forecasted growth values.
- **MSCI ACWI (All Country World Index) ex. U.S. Index** captures large and mid-cap representation across Developed Markets countries (excluding the United States) and Emerging Markets countries. The index covers approximately 85% of the global equity opportunity set outside the U.S.
- **MSCI ACWI Index** captures large and mid cap representation across Developed Markets and Emerging Markets countries. The index covers approximately 85% of the global investable opportunity set.
- **MSCI EAFE IMI Index** is an equity index which captures large, mid and small cap representation across Developed Markets countries around the world, excluding the U.S. and Canada. The index covers approximately 99% of the free float-adjusted market capitalization in each country.
- **MSCI EAFE Value Index** captures large and mid cap securities exhibiting overall value style characteristics across Developed Markets countries around the world, excluding the US and Canada. The value investment style characteristics for index construction are defined using three variables: book value to price, 12-month forward earnings to price and dividend yield.
- **MSCI EAFE Index** is an equity index which captures large and mid-cap representation across Developed Markets countries around the world, excluding the U.S. and Canada. The index covers approximately 85% of the free float-adjusted market capitalization in each country.



Disclosures – Index & Benchmark Definitions

- **MSCI EAFE Growth Index** captures large and mid cap securities exhibiting overall growth style characteristics across Developed Markets countries around the world, excluding the US and Canada. The growth investment style characteristics for index construction are defined using five variables: long-term forward EPS growth rate, short-term forward EPS growth rate, current internal growth rate and long-term historical EPS growth trend and long-term historical sales per share growth trend.
- **MSCI EAFE Large Cap Index** is an equity index which captures large cap representation across Developed Markets countries around the world, excluding the US and Canada. The index covers approximately 70% of the free-float adjusted market capitalization in each country.
- **MSCI EAFE Small Cap Index** is an equity index which captures small cap representation across Developed Markets countries around the world, excluding the US and Canada. The index covers approximately 14% of the free float adjusted market in each country.
- **MSCI ACWI (All Country World Index) ex. U.S. Index** captures large and mid-cap representation across Developed Markets countries (excluding the United States) and Emerging Markets countries. The index covers approximately 85% of the global equity opportunity set outside the U.S.
- **MSCI Emerging Markets IMI Index** captures large, mid and small cap representation across 24 Emerging Markets countries. The index covers approximately 99% of the free-float adjusted market capitalization in each country.
- **MSCI Emerging Markets Value Index** captures large and mid-cap securities exhibiting overall value style characteristics across Emerging Markets countries. The value investment style characteristics for index construction are defined using three variables: book value to price, 12-month forward earnings to price and dividend yield.
- **MSCI Emerging Markets Index** captures large and mid-cap representation across Emerging Markets countries. The index covers approximately 85% of the free-float adjusted market capitalization in each country.
- **MSCI Emerging Markets Growth Index** captures large and mid-cap representation across Emerging Markets countries. The growth investment style characteristics for index construction are defined using five variables: long-term forward EPS growth rate, short-term forward EPS growth rate, current internal growth rate and long-term historical EPS growth trend and long-term historical sales per share growth trend.
- **MSCI Emerging Markets Index** captures large and mid-cap representation across Emerging Markets countries. The index covers approximately 85% of the free-float adjusted market capitalization in each country.
- **MSCI Emerging Markets (EM) Small Cap Index** includes small cap representation across Emerging Markets countries. The index covers approximately 14% of the free float-adjusted market capitalization in each country. The small cap segment tends to capture more local economic and sector characteristics relative to larger Emerging Markets capitalization segments.

Alternatives & Miscellaneous

- **S&P Real Asset Index** is designed to measure global property, infrastructure, commodities, and inflation-linked bonds using liquid and investable component indices that track public equities, fixed income, and futures. In the index, equity holds 50% weight, commodities 10%, and fixed income 40%.
- **FTSE Nareit Equity REITs Index** contains all Equity REITs not designed as Timber REITs or Infrastructure REITs.
- **FTSE EPRA Nareit Developed Index** is designed to track the performance of listed real estate companies and REITs worldwide.
- **FTSE EPRA Nareit Developed ex US Index** is a subset of the FTSE EPRA Nareit Developed Index and is designed to track the performance of listed real estate companies and REITs in developed markets excluding the US.
- **Bloomberg Commodity Index** is calculated on an excess return basis and reflects commodity futures price movements. The index rebalances annually weighted 2/3 by trading volume and 1/3 by world production and weight-caps are applied at the commodity, sector and group level for diversification.
- **HFR Asset Weighted Composite Index** is a global, asset-weighted index comprised of single-manager funds that report to HFR Database. Constituent funds report monthly net of all fees performance in US Dollar and have a minimum of \$50 Million under management or \$10 Million under management and a twelve (12) month track record of active performance. The HFR Asset Weighted Composite Index does not include Funds of Hedge Funds. The constituent funds of the HFR Asset Weighted Composite Index are weighted according to the AUM reported by each fund for the prior month.
- **HFR Fund of Funds Composite Index** is a global, equal-weighted index of all fund of hedge funds that report to the HFR Database. Constituent funds report monthly net of all fees performance in U.S. Dollars and have a minimum of \$50 million under management or a twelve (12) month track record of active performance.
- **The Alerian MLP Index** is a float adjusted, capitalization-weighted index, whose constituents represent approximately 85% of total float-adjusted market capitalization, is disseminated real-time on a price-return basis (AMZ) and on a total-return basis.

Additional Information

- Equity sector returns are calculated by S&P, Russell, and MSCI for domestic and international markets, respectively. S&P and MSCI sector definitions correspond to the GICS® classification (Global Industry Classification System); Russell uses its own sector and industry classifications.
- MSCI country indices are free float-adjusted market capitalization indices that are designed to measure equity market performance of approximately 85% of the market capitalization in each specific country.
- Currency returns are calculated using FactSet's historical spot rates and are calculated using the U.S. dollar as the base currency.



A P O L L O N

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