

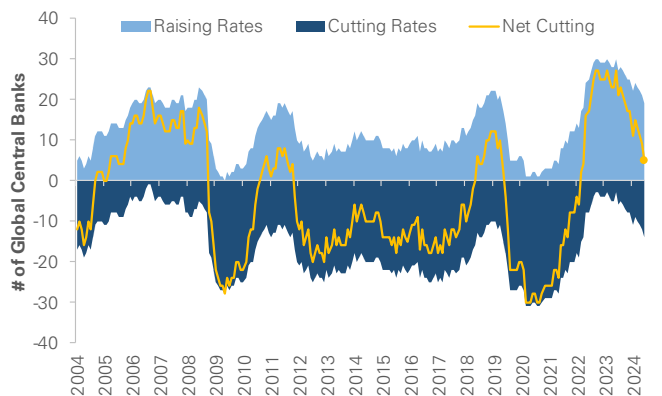
Key Updates on the Economy & Markets

The topic of interest rate cuts continues to dominate the financial markets. Investors are focused on when the Federal Reserve will lower rates, all while keeping a close eye on corporate earnings and valuations. Economists are analyzing inflation and labor market data to determine their impact on the probability and timing of rate cuts. Speeches by Fed members and minutes of recent Fed meetings have received greater scrutiny as investors search for clues about the central bank's next steps. This letter recaps the second quarter, discusses investors' focus on the Federal Reserve, and looks ahead to the remainder of 2024.

Global Central Banks are Starting to Cut Rates

While the Federal Reserve waits for more confirmation that U.S. inflation will return to target, the trend among global central banks has shifted decisively away from tightening. Figure 1 categorizes over 30 of the largest central banks based on whether their last policy action was a rate hike or a rate cut. The line shows the net number of central banks tightening versus easing. When the line is positive, it indicates more banks are raising interest rates. When it's negative, it indicates more banks are cutting interest rates.

FIGURE 1 – Global Central Banks Begin Cutting Rates



Source: Federal Reserve, various central banks. Data as of 6/30/2024.

Central banks cut interest rates early in the pandemic to protect against unknown risks associated with shutting down the economy. When the economy reopened and inflation soared to multi-decade highs, they reversed course

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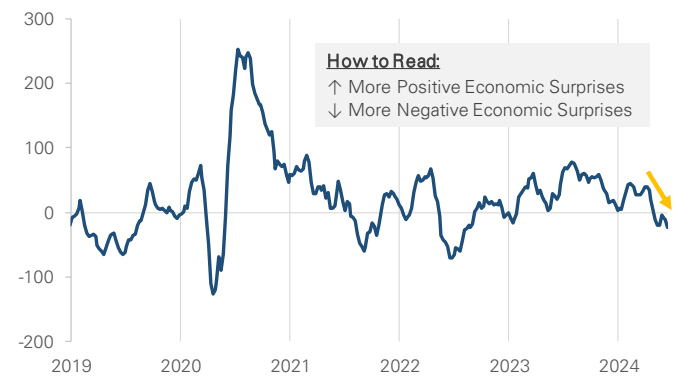
and raised interest rates with the goal of easing inflation. Central bankers kept interest rates high over the past few years while waiting for inflation to slow, as shown in the plateau from 2022 into 2023.

Today, central banks are starting to cut interest rates as inflation slows around the world. More than 10 central banks have cut rates, including Canada, Switzerland, and the European Central Bank. The monetary policy environment is shifting from rate hikes to rate cuts, and investors expect this trend to strengthen in the coming quarters as more banks cut interest rates. However, this easing cycle is likely to be more staggered than previous cycles, with central banks cutting interest rates at varying speeds based on their unique inflation and economic growth conditions.

Analyzing Economic Trends & Surprises From 2Q24

A big theme from the past few years has been the U.S. economy's strength compared to the rest of the world. U.S. homeowners locked in low mortgage rates during the pandemic, which has protected them from the immediate impact of higher rates. However, mortgage rates reset more frequently in some countries outside the U.S., with those borrowers feeling the impact of higher rates sooner.

FIGURE 2 – Citi Economic Surprise Index



Source: Citi. Latest available data as of 6/30/2024.

Figure 2 shows the Citi Economic Surprise Index, which compares economic data releases against Wall Street's estimates. A positive reading indicates economic data is stronger than anticipated (positive surprises), while a

negative reading signals more negative surprises. In March 2022, the index turned negative as the Federal Reserve started to raise interest rates. The increase in negative surprises signaled a slowdown in response to early rate hikes. During the past two years, the index stayed mostly positive as the economy remained resilient, with most economic data points surpassing expectations.

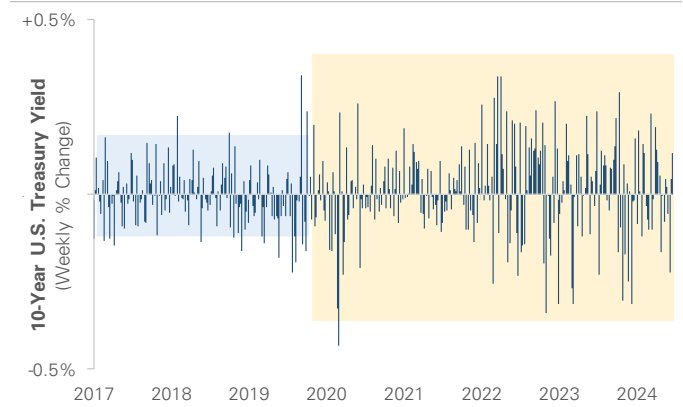
In Q2, there was an increase in the number of negative economic surprises as the U.S. economy underperformed expectations. Job growth slowed in April, and the unemployment rate rose to 4% in May. Retail sales declined in April, raising concerns about the U.S. consumer's strength and potential stress for lower-income households. May manufacturing survey data signaled a slowdown, and the U.S. Census Bureau reported the economy grew more slowly in the first quarter than initially estimated.

Investors are debating what the recent negative surprises indicate. Are they the start of a new trend toward slower economic growth? If so, how much could the economy slow? Markets will closely monitor economic data in the third quarter. However, there isn't a clear relationship between negative surprises and the rate of economic growth. Instead, the index is more of a reflection of how the economy is performing relative to investor expectations. The more appropriate question may be whether the U.S. economy is returning to its pre-pandemic trend after growing at an above-average rate over the past few years. If so, investors may need to adjust their expectations to match the economy's new equilibrium.

Investors Remain Intently Focused on the Federal Reserve's Next Interest Rate Decision

The market remained focused on the Fed's policy guidance in the second quarter as inflation eased and economic data softened. However, there was no major shift in expectations, and investors still expect a rate cut later this year. While the market is closely monitoring the Fed, it's not receiving much actual guidance. On one hand, members of the Fed have advocated for patience. They want more confirmation that inflation is moving toward the 2% target. At the same time, those members, including Chair Powell, have said there is a high bar for additional rate hikes. Due to the unclear commentary, the market is left to speculate about the Fed's next step. Investors are using monthly economic data to form their opinions. However, those data points can be noisy from month to month, as they are adjusted to account for seasonal economic effects like summer vacations and holiday shopping.

FIGURE 3 – Treasury Bond Yields Remain Volatile



Source: U.S. Treasury. Latest available data as of 6/30/2024.

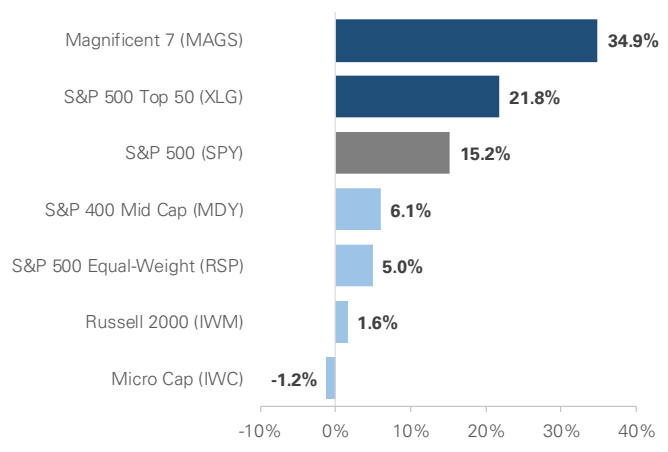
Bond yield movements show the data's volatility and the market's indecisiveness. Figure 3 graphs the weekly changes in the 10-year Treasury bond yield over the past eight years. From 2016 to 2020, the 10-year yield's movements were relatively small. The large drops near the middle of the chart mark the onset of the COVID pandemic and the Fed's decision to slash interest rates to near zero. The right side of the chart shows that yields have been more volatile in both directions since the Fed began raising interest rates in March 2022. Today, Treasury yields are the most volatile they have been in eight years as the market navigates a complex transition from rate hikes to rate cuts.

Equity Market Recap – Stocks Rebound After April Sell Off, With Large Caps Leading the Way

The stock market experienced ups and downs this quarter. In April, stocks traded lower, reversing some of the earlier gains from Q1. In May, stocks rebounded, and the S&P 500 finished the quarter by setting multiple new all-time highs. Four S&P 500 sectors traded higher in Q2, while the remaining seven traded lower. Technology's +8.8% gain made it the top-performing sector, with Communication Services gaining +5.2% and Utilities returning +4.6%. In contrast, cyclical sectors underperformed, with Materials, Industrials, Energy, and Financials being the four biggest underperformers.

One notable theme in the stock market this year has been the outperformance of the largest companies. The S&P 500 Index gained +4.4% in Q2, increasing its 2024 return to more than +15%. In contrast, the Russell 2000 Index of small cap companies fell by -3.3%, lowering its 2024 return to +1.6%. Figure 4 shows that this gap between large and small stocks is evident across equity indices, regardless of market cap. It graphs the year-to-date price returns of seven ETFs with varying exposures to companies of all sizes.

FIGURE 4 – The Biggest Companies Are Outperforming YTD



Source: iShares, State Street, Invesco. Past performance does not guarantee future results. Latest available data as of 6/30/2024.

The Magnificent 7, which is a group that includes Microsoft, Apple, Google, Facebook-parent Meta, Amazon, Nvidia, and Tesla, has returned +34.9% this year. Expanding to the top 50 S&P 500 stocks reduces the return to +21.8%. Including the remaining S&P 500 companies, which are smaller in market cap, reduces the S&P 500's return to +15.2%. An equal-weighted S&P 500, where companies are weighted equally rather than by market cap, lowers the return to +5.0%. Mid-cap stocks have returned +6.1%, while small and micro caps have muted returns. The chart demonstrates the impact that market cap has had on 2024 equity returns, with returns decreasing as smaller companies are added. Investors appear to favor larger companies as they await clarity on Fed policy and the economy.

International stocks underperformed U.S. stocks in Q2, but performance was mixed. The MSCI Emerging Market Index gained +4.4%, comparable to the S&P 500's return. However, the MSCI EAFE Index of developed market stocks returned -0.2%. The two main international stock market indices have underperformed U.S. stocks by almost -10% this year, despite mid-single-digit gains. The difference in returns continues to be a lack of exposure to companies in the artificial intelligence industry outside the U.S.

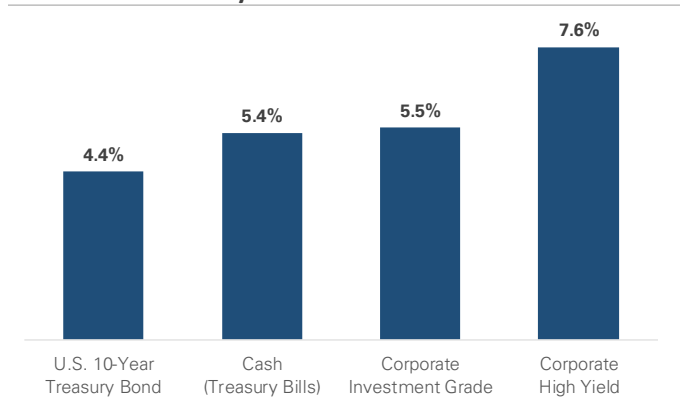
Credit Market Recap – Bonds End 2Q24 Flat Despite Volatile Treasury Yields

A previous section highlighted the increased volatility of Treasury yields, and this volatility was on display in Q2. On the surface, yields ended the quarter marginally higher, but it was a bumpy ride. The 10-year Treasury yield started the quarter at 4.20%, rose to 4.70% by late April, and dropped back to 4.37% by the end of June. Despite the intra-quarter yield volatility, bonds posted relatively flat returns. Corporate investment grade generated a -0.5% total return,

lowering its 2024 return to -1.4%. High yield gained +0.7%, increasing its 2024 return to +2.2%. Figure 5 shows that the big difference between the two corporate bond categories is their yield, with high yield offering more yield to compensate for its higher credit risk.

One theme supporting bonds is their relatively high income level compared to the past fifteen years. Given the volatility of Treasury yields and expectations for rate cuts, we want to provide an update on what yield you can expect to earn today. Figure 5 shows the range of income opportunities available in the credit market. Treasury bills, which are a proxy for cash, offer a 5.4% yield, but this yield is expected to decrease as the Fed cuts interest rates. Locking in today's yields for a longer period requires buying a 10-year Treasury bond yielding 4.4% or corporate investment grade yielding 5.5%. Investors seeking a higher yield can buy corporate high yield, which yields 7.6%, but it's important to remember that these bonds have more credit risk.

FIGURE 5 – Summary of Bond Market Yields



Source: U.S. Treasury, Federal Reserve. Latest available data as of 6/30/2024.

Third Quarter Outlook – Themes to Watch

The stock market is off to a strong start this year, with the S&P 500 gaining over +15%. Economic data has softened, raising the question of whether the economy is slowing or simply returning to normal. Investors started this year expecting the Federal Reserve to cut interest rates in March; however, they are still waiting for the first interest rate cut.

The second half of 2024 will be busy. Investors expect the Federal Reserve to start cutting interest rates before year-end, but the projected timing of the first rate cut remains uncertain. The second-quarter earnings season starts in mid-July, which will provide an opportunity to hear updated commentaries from companies. There is a renewed focus on economic data and the economy's trajectory, and the presidential election will take place in November. We will continue to monitor financial markets and the economy, provide timely updates, and adjust portfolios as needed.

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THIS QUARTER IN NUMBERS

FIGURE 6

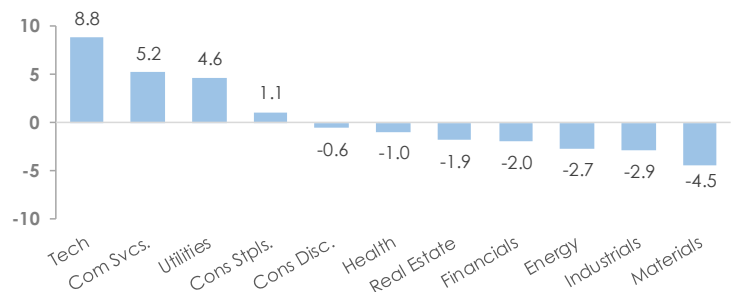
U.S. Style Returns (2Q 2024 in %)

	Value	Blend	Growth
Large	-2.2	4.4	8.3
Mid	-3.4	-3.3	-3.2
Small	-3.7	-3.3	-2.9

Data Reflects Most Recently Available As of 6/30/2024

FIGURE 7

U.S. Sector Returns (2Q 2024 in %)



Data Reflects Most Recently Available As of 6/30/2024

FIGURE 8

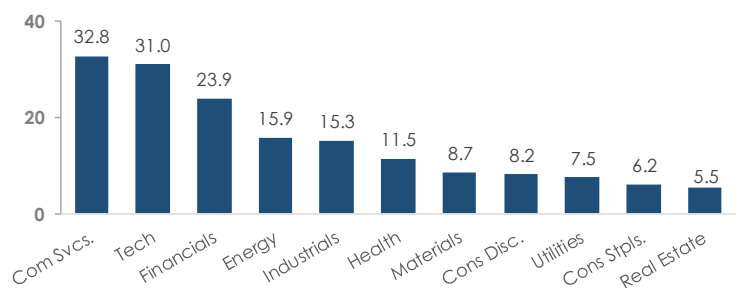
U.S. Style Returns (1-Year in %)

	Value	Blend	Growth
Large	12.7	24.3	33.2
Mid	11.7	12.5	14.8
Small	10.4	9.8	8.9

Data Reflects Most Recently Available As of 6/30/2024

FIGURE 9

U.S. Sector Returns (1-Year in %)



Data Reflects Most Recently Available As of 6/30/2024

FIGURE 10

Market Data Center

Stocks	1 month	3 months	6 months	YTD	1 year	3 years
S&P 500	3.5%	4.4%	15.2%	15.2%	24.3%	31.7%
Dow Jones	1.2%	-1.2%	4.7%	4.7%	15.7%	19.1%
Russell 2000	-1.1%	-3.3%	1.6%	1.6%	9.8%	-8.2%
Russell 1000 Growth	6.6%	8.3%	20.5%	20.5%	33.2%	36.4%
Russell 1000 Value	-1.1%	-2.2%	6.5%	6.5%	12.7%	16.0%
M SCI EAFE	-1.8%	-0.2%	5.8%	5.8%	11.2%	8.1%
M SCI EM	2.6%	4.4%	6.6%	6.6%	10.3%	-17.3%
NASDAQ 100	6.5%	8.1%	17.3%	17.3%	30.5%	37.1%

	Dividend Yield	NTM P/E	P/B
S&P 500	1.26%	21.1x	4.6x
Dow Jones	1.75%	17.9x	4.8x
Russell 2000	1.30%	21.7x	1.9x
Russell 1000 Growth	0.50%	28.4x	11.9x
Russell 1000 Value	1.96%	15.3x	2.4x
M SCI EAFE	2.97%	14.0x	1.8x
M SCI EM	2.44%	12.4x	1.7x
NASDAQ 100	0.56%	27.0x	7.5x

Fixed Income	Yield	1 month	3 months	YTD	1 year	3 years
U.S. Aggregate	5.00%	0.9%	0.0%	-0.7%	2.5%	-8.9%
U.S. Corporates	5.51%	0.6%	-0.5%	-1.4%	3.4%	-11.6%
Municipal Bonds	3.49%	1.0%	-0.2%	-0.5%	2.7%	-2.6%
High Yield Bonds	7.59%	0.5%	0.7%	2.2%	8.9%	1.6%

Commodities	Level	1 month	YTD
Oil (WTI)	81.64	6.0%	13.9%
Gasoline	2.24	0.0%	8.9%
Natural Gas	2.60	0.4%	11.6%
Propane	0.85	20.2%	26.0%
Ethanol	1.86	10.7%	14.8%
Gold	2,334	-0.5%	12.6%
Silver	29.38	-3.5%	22.0%
Copper	4.39	-4.8%	13.1%
Steel	674	-11.4%	-40.6%
Corn	4.17	-6.5%	-11.5%
Soybeans	11.58	-4.1%	-10.1%

Key Rates	6/30/2024	5/31/2024	3/31/2024	12/31/2023	6/30/2023	6/30/2021
2-Year Treasury	4.72%	4.87%	4.62%	4.25%	4.87%	0.25%
10-Year Treasury	4.37%	4.49%	4.20%	3.88%	3.81%	1.45%
30-Year Treasury	4.54%	4.63%	4.34%	4.03%	3.85%	2.06%
30 Yr Fixed Mortgage	7.29%	7.29%	7.25%	6.99%	7.15%	3.13%
Prime Rate	8.50%	8.50%	8.50%	8.50%	8.25%	3.25%

Data Reflects Most Recently Available As of 6/30/2024

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