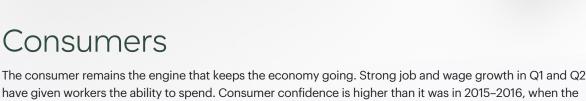
2022 Midyear Market and Economic Outlook

Moving into the second half of the year, prospects remain good. But some economic indicators appear to be slowing down. Consumer confidence has pulled back on rising gas prices, and the housing market has slowed notably. Still, we believe the economy has enough momentum to keep growing into 2023.

As the Federal Reserve (Fed) gets closer to ending this cycle of tightening monetary policy, interest rates should stabilize—and may come down. With oil prices high, U.S. production may increase, which could bring prices down. Other global headwinds, such as Russia's war on Ukraine and the ongoing supply chain problems, could improve. Overall, some of the existing

economic headwinds might abate, resulting in faster growth. None of these outcomes are guaranteed. Nonetheless, despite the worries causing the economy and markets to respond, the prospects ahead are more evenly balanced than the headlines would suggest. So, while the risks are real, we remain cautiously optimistic for the

rest of the year. The data below highlights our forecast for the rest of 2022. As we weigh the impact of the big four economic drivers, we expect continued economic growth, which should support the financial markets' recovery from the current environment.





consumer confidence and spending.

economy seemed near recession, and well above rates during the height of the pandemic. Although there are risks that job growth may slow, it's currently poised to keep going up through year-end, continuing to drive

monthly average







With consumers spending, businesses are eager to do what's necessary to increase sales. Companies are hiring as many workers as possible. To fill hiring gaps, they're also investing in equipment or technology

0.30

1.10

-0.30

Business Confidence Down from Peak but Still Strong Composite Index, >50=Expansionary





basis points (bps)

Projected Range at Year-End

Fed funds rate



Trailing P/E ratio, below 20-year average of 13.2

Fixed Income

Inflation

Accordingly, we caution against eliminating interest rate exposure.

has seen strong global demand pressured by limited reserve capacity among the top energy producers, notably the U.S., OPEC, and Russia. Following Russia's invasion of Ukraine, oil and natural gas prices spiked. They subsequently eased due to news of Covid-19 lockdowns in China, which lowered demand forecasts, and the sizable releases of strategic oil reserves from the U.S. and

The Fed's chances

combating inflation

We believe a fully diversified fixed income portfolio should continue to suit investors over the long term.

look reasonable.

for success in

In the

United States

disruptions, slowing growth in China, and higher geopolitical risk related to the ongoing crisis in Ukraine. Rising prices for oil and natural gas have also dampened the global outlook. And the recent strength of the U.S. dollar has hindered the attractiveness

Overall, the long-term case for international equities is mildly positive, as dropping P/E ratios have resulted in relatively favorable valuations.

Long-term rates

If rising prices are

checked, long-term

rates should remain

steady in Q3 and Q4.

Fixed income

Taking a longer

duration bias for

be supported, particularly if inflation moderates.

fixed income may

The MSCI ACWI ex USA Index is a case in point.

OPEC

*Source: U.S. Energy Information Administration

Certain sections of this commentary contain forward-looking statements that are based on our reasonable expectations, estimates, projections, and assumptions. Forward-looking statements are not guarantees of future performance and involve



Brad McMillan,

CFA® CAIA, MAI

Managing Principal,

Chief Investment Officer

does not guarantee future results.

Contributors

Asset allocation and diversification do not assure a profit or protect against loss in declining markets. The MSCI ACWI ex USA is a free float-adjusted market capitalization-weighted index that is designed to measure the equity market performance of

Chris Fasciano

and Research

Portfolio Manager,

Investment Management

Monthly increases of

barrels/day by OPEC

invest directly into an index. Unlike investments, indices do not incur management fees, charges, or expenses. Past performance

New Jobs Business

50

2022 Apr

2022 Mar

2022 Feb

to make current workers more productive. These trends may slow down, but, overall, business expansion should continue through the second half.

58.2 60.7 62.4 66.0 67.5 59.6 56.7 56.9 55.9

0

Source: U.S. Census Bureau

Trade Serving as another significant headwind, the U.S. international trade deficit widened to a record \$109.8 billion in March 2022. Throughout the first quarter of 2022, strong demand in the U.S. pushed imports up, while slower economic growth elsewhere in the world kept exports weaker.

Imports Exports Hit to annual GDP growth

Financial Markets Equities U.S. equities. In the U.S. equity space, value stocks have outperformed Tech P/E Ratio Near growth stocks so far this year. While rising interest rates should Historical Averages continue to provide a tailwind for value stocks, the data also supports a positive outlook for growth stocks. Price/earnings (P/E) multiples have become more attractive in certain growth sectors, including technology and consumer discretionary. This year saw a substantial Forward P/E ratio as of 6/16/22 drop in the forward P/E ratio for technology. International equities. In 2022, the global economic recovery has MSCI ACWI ex USA not matched the rebound in the U.S. due to inflation, supply chain Index as of 6/16/22

of international stocks.

Spotlight: Energy After a banner year for energy demand in 2021, global inventories for crude oil and natural gas were low heading into 2022. The year

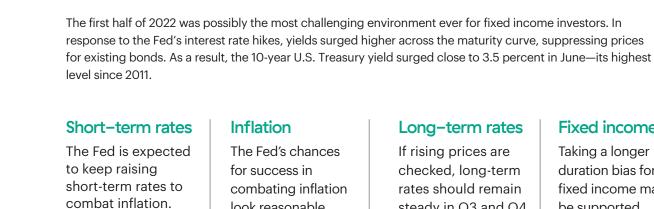
11.9M Average barrels/day in U.S. Despite these increases, energy prices are expected to remain elevated. Meanwhile, the global transition to renewable energy is a megatrend that bears watching in the latter half of 2022 and beyond.







Government Since the start of the new year, government policy has switched from an economic tailwind to a strong headwind. This pivot reduced federal deficit spending, taking down pandemic-related fiscal stimulus measures. And the Fed's rate hikes have placed an additional drag on economic growth. Federal Funds Rate YTD (June 2022)



other countries, only to spike again in mid-June. In the second half of 2022, moderate production growth from the U.S. and OPEC is expected. Oil Production in Q3 and Q4*

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