MACRO STRATEGY July 18, 2023

U.S. Economic Monthly

Consumers Keep At It

Monthly Themes

- Inflation persists as the Fed prepares to hike again.
- Credit tightening to squeeze economic activity in the second half of the year.
- · Consumers remain surprisingly resilient.

MIM now expects a recession to begin in 2024.

2023 is expected to continue to show mixed growth messages as the consumer maintains high enough growth to offset weakness in manufacturing. Absent a shock to the economy (from energy, banking or geopolitical), a strong desire to recoup lost time and experiences is likely to save Q4 even if consumers are feeling some strains. MIM believes the low point for growth this cycle should be 2024, when we expect the recession to start.

Inflation Persists

Inflation appears to have peaked in the United States as the rate of increase in service-sector inflation has moderated. We continue to see inflation above the Fed's 2% target rate but cannot rule out a brief period of deflation should the labor market weaken faster than we expect.

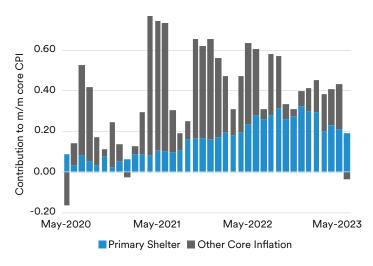
For now, month-on-month core inflation remains above target. This has sustained the Fed's concerns about price stability and lies behind its hawkishness around an additional rate hike in July.¹

The Fed's past aggressive rate increases remain a concern. The Fed has raised rates by the most since the early 1980s, helping to create the conditions that have pressured the U.S. banking system and concern among business leaders.

Credit Tightening

MIM's proprietary default rate leading indicator for Q1 suggests we are in a period of "danger" for increased defaults.

Chart 1 | Inflation's Sluggish Response



Note: Primary shelter is shelter less lodging away from home. Source: BLS, Haver, and MIM

Table 1 | Default Danger Rising

2023	Q1
2022	Q4
	Q3
	Q2
	Q1
2021	Q4
	Q3
	Q2
	Q1

2020	Q4
	Q3
	Q2
	Q1
2019	Q4
	Q3
	Q2
	Q1



Source: OECD, Senior Loan Officer Survey, Moody's, Bloomberg, VIX, MetLife Investment Management

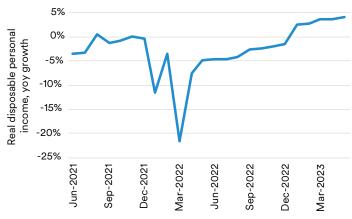
MetLife Investment Management 2

We expect the ongoing tightening of bank lending standards to continue. In our view, the additional stressors, such as the "rescue" of another regional bank in April, the subsequent regional bank volatility seen in equity markets, the increasing reliance on more expensive funding, such as Federal Home Loan Bank advances, and the continued burden of higher rates would add another headwind to economic activity.

Consumers Resilient

Consumers have been reaping the benefits from a tight labor market, as real disposable personal income has continued to improve over the past year. Over this time, the consumer has been maintaining a relatively healthy rate of consumption growth. Given the behavior of consumers post-COVID-19, we believe it is unlikely that consumers would willingly pull back on consumption during the end-of-year holiday season and, as a result, do not expect that we would see the start of the recession during the fourth quarter.

Chart 2 | Household Income Keeps Rising



Source: BEA, Haver, MIM

Nevertheless, we see the rise in credit usage, a higher savings rate and relatively poor consumer confidence as reasons for caution about the sustainability of this growth driver and believe that efforts to maintain consumption through the holidays may result in a sharper slowing when the labor market weakens.

Risks to the Outlook

The combination of aggressive rate hikes coupled with banking stress suggests a higher probability that the Fed is either stuck—unwilling to risk a banking crisis to curtail inflation pressures if that is what is required—or will be forced to push rates in excess of what is needed in the medium term to lower inflation to its target. We see the labor market has been more resilient than had been

anticipated. This raises the risk of a low unemployment, higher, for longer inflation scenario at the expense of a normal recession or a soft-landing scenario (where the Fed seems set to achieve its inflation target with only a modest increase in unemployment).

U.S. Outlook Summary

We expect that a recession is likely to be avoided until 2024. Growth in the United States is expected to be 1.7% in 2023 but fall to -0.2% in 2024, when MIM anticipates three quarters of negative growth. Inflation is likely to be near 3% at year-end 2023 but move below that level during the recession.

The federal funds rate is expected to peak at 5.25-5.50% as the Fed hikes rates one additional time in 2023. We no longer expect the Federal Reserve to cut rates in 2023 but do expect a substantive rate cut cycle to begin in the first half of 2024.

We foresee a 10-year U.S. Treasury yield of 4.00% at year-end 2023. We continue to believe the peak in yields for this cycle has occurred. We expect the yield curve to remain inverted for some time. As with its other recent course changes, the Fed is likely to be slow, delaying cuts—and therefore yield curve normalization—until a recession is already under way.

As noted in our Q3 2023 Relative Value Allocation, we do not think credit markets have priced in sufficient downside risk yet. Looking forward, the credit cycle is expected to turn in the coming quarters, with spreads widening further on continued recession risk. As a result, we continue to tilt toward "up-in-quality."

Table 2 | MIM Forecast

U.S.	2023	2024
GDP	1.7	-0.2
CPI	3.0	2.8
10 Year	4.00	3.50
Policy rates	5.50	3.00

Note: GDP is annual average growth rate, CPI is Q4 year/year, 10 year is year-end, policy rate is upper bound Source: Metlife Investment Management

Endnote

Source: Summary of Economic Projections, June 14, 2023 (federalreserve. gov); Financial Stability and Economic Developments, speech by Chair Jerome H. Powell, June 29, 2023.

Authors



DREW T. MATUS
Chief Market Strategist



TANI FUKUI

Director, Global Economic & Market Strategy



SHAN AHMED
Associate, Global Economic & Market Strategy

Disclaimer

This material is intended solely for Institutional Investors, Qualified Investors and Professional Investors. This analysis is not intended for distribution with Retail Investors.

This document has been prepared by MetLife Investment Management ("MIM")' solely for informational purposes and does not constitute a recommendation regarding any investments or the provision of any investment advice, or constitute or form part of any advertisement of, offer for sale or subscription of, solicitation or invitation of any offer or recommendation to purchase or subscribe for any securities or investment advisory services. The views expressed herein are solely those of MIM and do not necessarily reflect, nor are they necessarily consistent with, the views held by, or the forecasts utilized by, the entities within the MetLife enterprise that provide insurance products, annuities and employee benefit programs. The information and opinions presented or contained in this document are provided as of the date it was written. It should be understood that subsequent developments may materially affect the information contained in this document, which none of MIM, its affiliates, advisors or representatives are under an obligation to update, revise or affirm. It is not MIM's intention to provide, and you may not rely on this document as providing, a recommendation with respect to any particular investment strategy or investment. Affiliates of MIM may perform services for, solicit business from, hold long or short positions in, or otherwise be interested in the investments (including derivatives) of any company mentioned herein. This document may contain forward-looking statements, as well as predictions, projections and forecasts of the economy or economic trends of the markets, which are not necessarily indicative of the future. Any or all forward-looking statements, as well as those included in any other material discussed at the presentation, may turn out to be wrong.

All investments involve risks including the potential for loss of principle and past performance does not guarantee similar future results. Property is a specialist sector that may be less liquid and produce more volatile performance than an investment in other investment sectors. The value of capital and income will fluctuate as property values and rental income rise and fall. The valuation of property is generally a matter of the valuers' opinion rather than fact. The amount raised when a property is sold may be less than the valuation. Furthermore, certain investments in mortgages, real estate or non-publicly traded securities and private debt instruments have a limited number of potential purchasers and sellers. This factor may have the effect of limiting the availability of these investments for purchase and may also limit the ability to sell such investments at their fair market value in response to changes in the economy or the financial markets

In the U.S. this document is communicated by MetLife Investment Management, LLC (MIM, LLC), a U.S. Securities Exchange Commission registered investment adviser. MIM, LLC is a subsidiary of MetLife, Inc. and part of MetLife Investment Management. Registration with the SEC does not imply a certain level of skill or that the SEC has endorsed the investment advisor.

This document is being distributed by MetLife Investment Management Limited ("MIML"), authorised and regulated by the UK Financial Conduct Authority (FCA reference number 623761), registered address 1 Angel Lane, 8th Floor, London, EC4R 3AB, United Kingdom. This document is approved by MIML as a financial promotion for distribution in the UK. This document is only intended for, and may only be distributed to, investors in the UK and EEA who qualify as a "professional client" as defined under the Markets in Financial Instruments Directive (2014/65/EU), as implemented in the relevant EEA jurisdiction, and the retained EU law version of the same in the UK.

For investors in the Middle East: This document is directed at and intended for institutional investors (as such term is defined in the various jurisdictions) only. The recipient of this document acknowledges that (1) no regulator or governmental authority in the Gulf Cooperation Council ("GCC") or the Middle East has reviewed or approved this document or the substance contained within it, (2) this document is not for general circulation in the GCC or the Middle East and is provided on a confidential basis to the addressee only, (3) MetLife Investment Management is not licensed or regulated by any regulatory or governmental authority in the Middle East or the GCC, and (4) this document does not constitute or form part of any investment advice or solicitation of investment products in the GCC or Middle East or in any jurisdiction in which the provision of investment advice or any solicitation would be unlawful under the securities laws of such jurisdiction (and this document is therefore not construed as such).

For investors in Japan: This document is being distributed by MetLife Asset Management Corp. (Japan) ("MAM"), 1-3 Kioicho, Chiyoda-ku, Tokyo 102-0094, Tokyo Garden Terrace KioiCho Kioi Tower 25F, a registered Financial Instruments Business Operator ("FIBO") under the registration entry Director General of the Kanto Local Finance Bureau (FIBO) No. 2414.

For Investors in Hong Kong S.A.R.: This document is being issued by MetLife Investments Asia Limited ("MIAL"), a part of MIM, and it has not been reviewed by the Securities and Futures Commission of Hong Kong ("SFC"). MIAL is licensed by the Securities and Futures Commission for Type 1 (dealing in securities), Type 4 (advising on securities) and Type 9 (asset management) regulated activities.

For investors in Australia: This information is distributed by MIM LLC and is intended for "wholesale clients" as defined in section 761G of the Corporations Act 2001 (Cth) (the Act). MIM LLC exempt from the requirement to hold an Australian financial services license under the Act in respect of the financial services it provides to Australian clients. MIM LLC is regulated by the SEC under US law, which is different from Australian law.

MIMEL: For investors in the EEA, this document is being distributed by MetLife Investment Management Europe Limited ("MIMEL"), authorised and regulated by the Central Bank of Ireland (registered number: C451684), registered address 20 on Hatch, Lower Hatch Street, Dublin 2, Ireland. This document is approved by MIMEL as marketing communications for the purposes of the EU Directive 2014/65/EU on markets in financial instruments ("MIFID II"). Where MIMEL does not have an applicable cross-border licence, this document is only intended for, and may only be distributed on request to, investors in the EEA who qualify as a "professional client" as defined under MiFID II, as implemented in the relevant EEA jurisdiction. The investment strategies described herein are directly managed by delegate investment manager affiliates of MIMEL. Unless otherwise stated, none of the authors of this article, interviewees or referenced individuals are directly contracted with MIMEL or are regulated in Ireland. Unless otherwise stated, any industry awards referenced herein relate to the awards of affiliates of MIMEL and not to awards of MIMEL.

1 As of March 31, 2023, subsidiaries of MetLife, Inc. that provide investment management services to MetLife's general account, separate accounts and/or unaffiliated/third party investors include Metropolitan Life Insurance Company, MetLife Investment Management, LLC, MetLife Investment Management Limited, MetLife Investments Limited, MetLife Investments Asia Limited, MetLife Latin America Asesorias e Inversiones Limitada, MetLife Asset Management Corp. (Japan), MIM I LLC, MetLife Investment Management Europe Limited, Affirmative Investment Management Partners Limited and Raven Capital Management LLC.

L0723033501[exp0725][Global]

