



Market review and outlook

CIO Office



Louis Lajoie
Investment strategist

February 15, 2023



Agenda

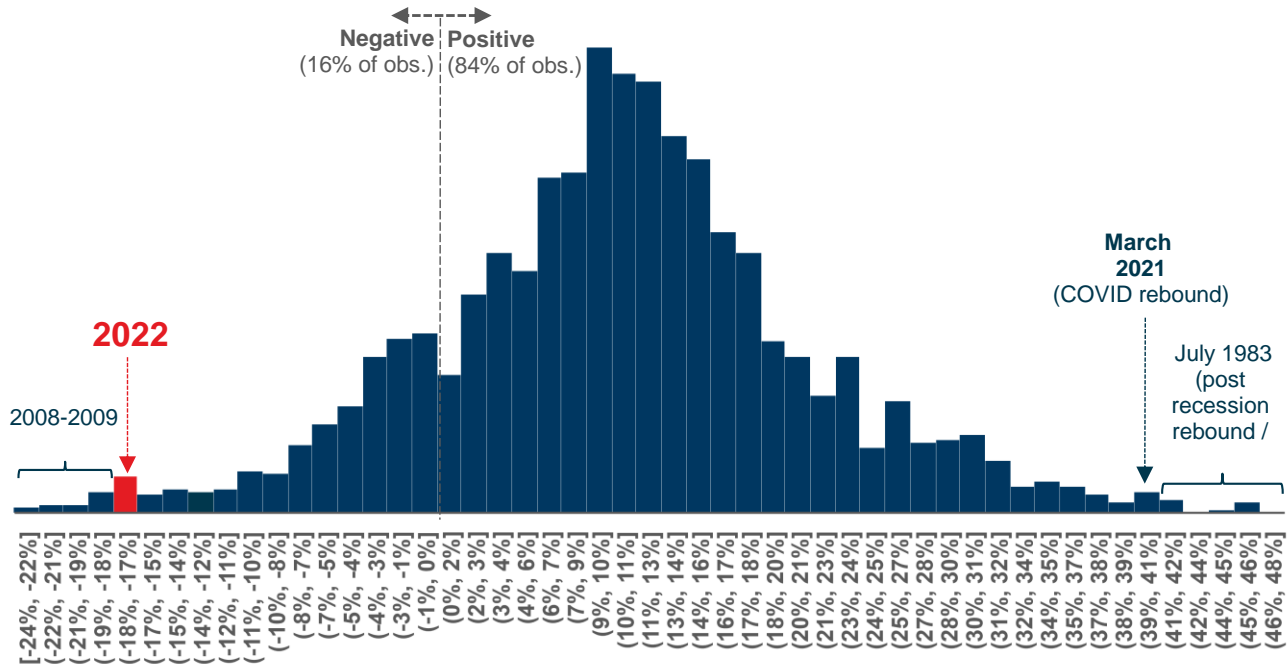
- › A quick look back at 2022
- › Outlook: On a slippery road
 - Inflation...
 - ...rate hikes...
 - ...recession?
 - Market implications
- › Key takeaways

A challenging 2022 for most investors...

| 2022 Total Returns | | | | | | |
|--------------------|------------------|------------------|------------------|----------------------|----------------|---------------|
| Cross Asset | Fixed Income* | S&P/TSX Sectors | S&P 500 Sectors | Equity Regions (C\$) | Canada Factors | US Factors |
| Commodities | Cash | Energy | Energy | Latin America | Momentum | High Dividend |
| 26.0% | 1.4% | 30.3% | 65.7% | 17.5% | 3.6% | -3.8% |
| Cash | Short Term | Consumer Staples | Utilities | Canada | High Dividend | Value |
| 1.4% | -4.0% | 10.1% | 1.6% | -5.8% | 0.6% | -6.2% |
| Gold | Federal Gov. | Materials | Consumer Staples | EAFE | Value | Low Vol. |
| -0.7% | -9.2% | 1.7% | -0.6% | -7.8% | -0.3% | -14.2% |
| S&P/TSX | Mid Term | Industrials | Health Care | Europe | Low Vol. | Small Caps |
| -5.8% | -10.0% | 1.4% | -2.0% | -8.3% | -1.1% | -17.2% |
| CADUSD | Corporate | Comm. Services | Industrials | Japan | Quality | Momentum |
| -6.8% | -10.1% | -2.6% | -5.5% | -8.7% | -4.8% | -17.4% |
| Balanced* | High Yield (US) | S&P/TSX | Financials | World | MSCI Canada | MSCI USA |
| -10.1% | -11.2% | -5.8% | -10.5% | -12.0% | -5.8% | -19.5% |
| US High Yield | Overall Universe | Consumer Disc. | Materials | United States | Large Caps | Large Caps |
| -11.2% | -11.5% | -6.0% | -12.3% | -12.2% | -6.2% | -19.7% |
| Canadian Bonds | Treasuries (US) | Financials | S&P 500 | Emerging Markets | Small Caps | Quality |
| -11.5% | -12.9% | -9.4% | -18.1% | -13.9% | -9.3% | -22.7% |
| MSCI EAFE | Provi. & Muni. | Utilities | Real Estate | Asia (EM) | Growth | Growth |
| -14.0% | -13.3% | -10.6% | -26.1% | -15.0% | -14.0% | -32.0% |
| Can. Pref. Shares | Corporate (US) | Real Estate | Info. Tech. | EMEA (EM) | | |
| -18.1% | -15.4% | -21.5% | -28.2% | -22.8% | | |
| S&P 500 | Preferred shares | Info. Tech. | Consumer Disc. | | | |
| -18.1% | -18.1% | -52.0% | -37.0% | | | |
| MSCI Emerging | Long Term | Health Care | Comm. Services | | | |
| -19.7% | -21.5% | -61.6% | -39.9% | | | |

... with one of the worst performance for balanced funds...

Balanced portfolio annual return distribution (1975 - 2022)
(12m rolling window, weekly observations)



... followed by an optimistic start in 2023

| Monthly Total Return (January 2023) | | | | | | |
|-------------------------------------|------------------|------------------|------------------|----------------------|----------------|---------------|
| Cross Asset | Fixed Income* | S&P/TSX Sectors | S&P 500 Sectors | Equity Regions (C\$) | Canada Factors | US Factors |
| MSCIEAFE | Preferred shares | Info. Tech. | Consumer Disc. | Latin America | Small Caps | Small Caps |
| 8.1% | 7.3% | 19.5% | 15.0% | 8.2% | 8.9% | 10.4% |
| MSCIEmerging | Long Term | Health Care | Comm. Services | Canada | Value | Growth |
| 7.9% | 4.9% | 14.6% | 14.5% | 7.4% | 7.8% | 10.3% |
| S&P/TSX | High Yield (US) | Real Estate | Real Estate | Europe | High Dividend | MSCI USA |
| 7.4% | 3.9% | 10.7% | 9.9% | 7.0% | 7.5% | 6.6% |
| Can. Pref. Shares | Corporate (US) | Materials | Info. Tech. | Asia (EM) | MSCI Canada | Large Caps |
| 7.3% | 3.9% | 10.7% | 9.3% | 7.0% | 7.4% | 6.3% |
| S&P 500 | Provi. & Muni. | Financials | Materials | EAFE | Large Caps | Quality |
| 6.3% | 3.2% | 8.6% | 9.0% | 6.5% | 7.4% | 5.7% |
| Gold | Mid Term | S&P/TSX | Financials | Emerging Markets | Growth | Low Vol. |
| 6.0% | 3.0% | 7.4% | 6.9% | 6.3% | 6.2% | 4.8% |
| Balanced* | Overall Universe | Consumer Disc. | S&P 500 | World | Low Vol. | Value |
| 4.8% | 2.8% | 6.4% | 6.3% | 5.6% | 5.2% | 3.2% |
| US High Yield | Corporate | Comm. Services | Industrials | United States | Quality | High Dividend |
| 3.9% | 2.7% | 5.5% | 3.7% | 4.7% | 4.7% | 1.7% |
| Canadian Bonds | Treasuries (US) | Energy | Energy | Japan | Momentum | Momentum |
| 2.8% | 2.6% | 4.5% | 2.8% | 4.3% | 3.5% | -0.6% |
| CADUSD | Federal Gov. | Industrials | Consumer Staples | EMEA (EM) | | |
| 1.8% | 2.3% | 3.6% | -0.9% | 0.7% | | |
| Cash | Short Term | Utilities | Health Care | | | |
| 0.4% | 1.2% | 3.6% | -1.9% | | | |
| Commodities | Cash | Consumer Staples | Utilities | | | |
| -0.1% | 0.4% | 1.9% | -2.0% | | | |

CIO Office (data via Refinitiv, as of 2023-01-31)

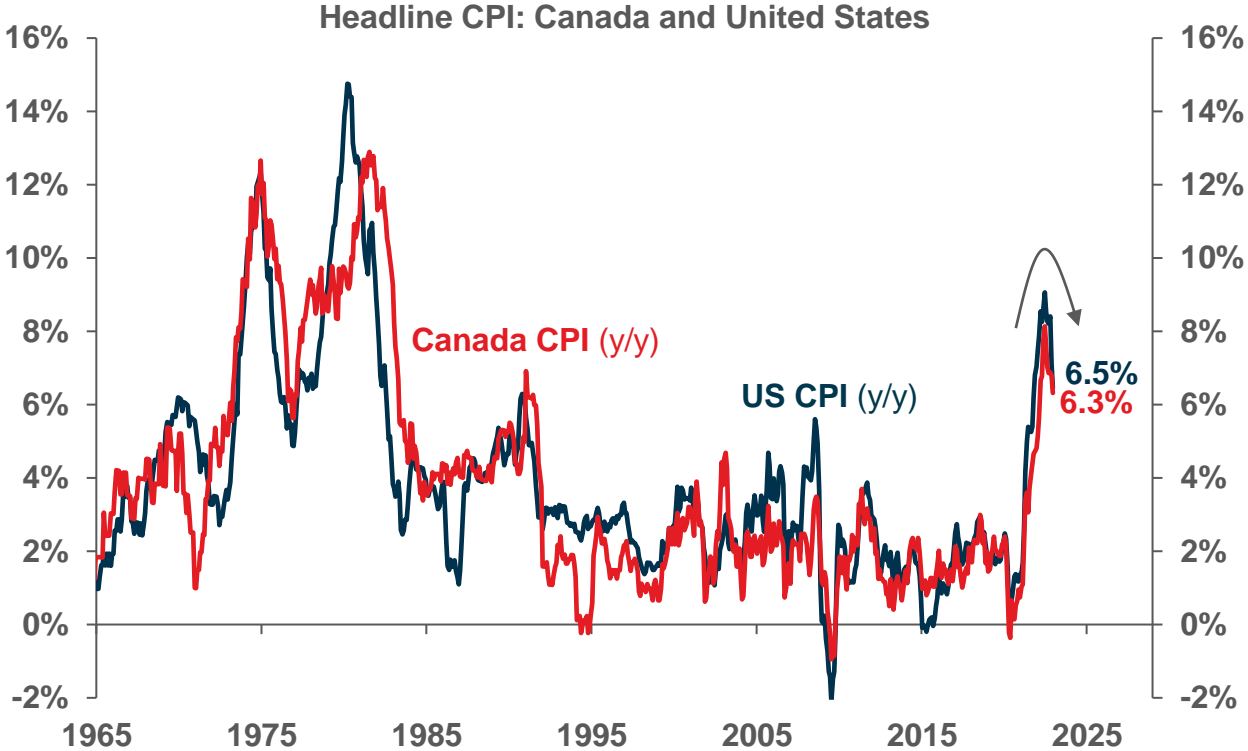
A winter scene featuring a snow-covered road that curves to the right. The road is flanked by a wooden guardrail and a snow-covered embankment. Bare trees line the background under a grey, overcast sky. In the bottom right corner, a large red triangular warning sign is overlaid, depicting a black silhouette of a car skidding on a wavy line representing a slippery surface.

Outlook

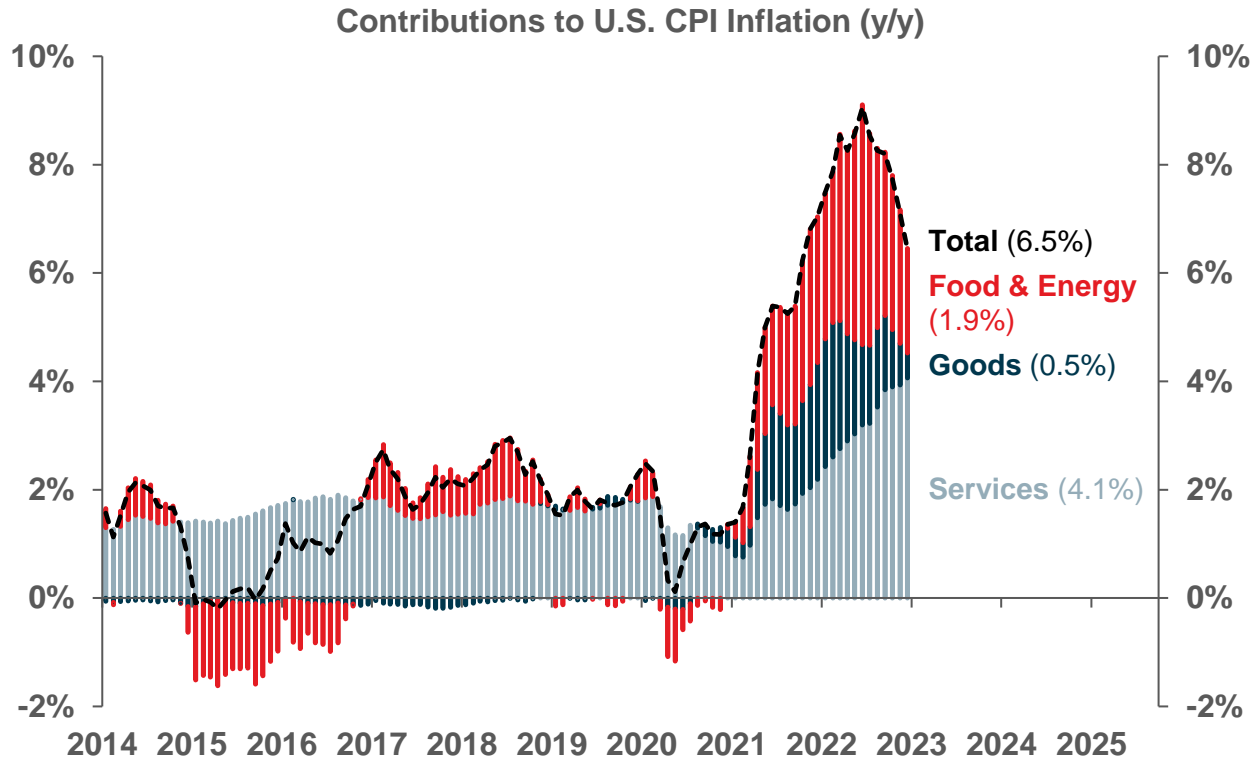
On a slippery road

February 2023

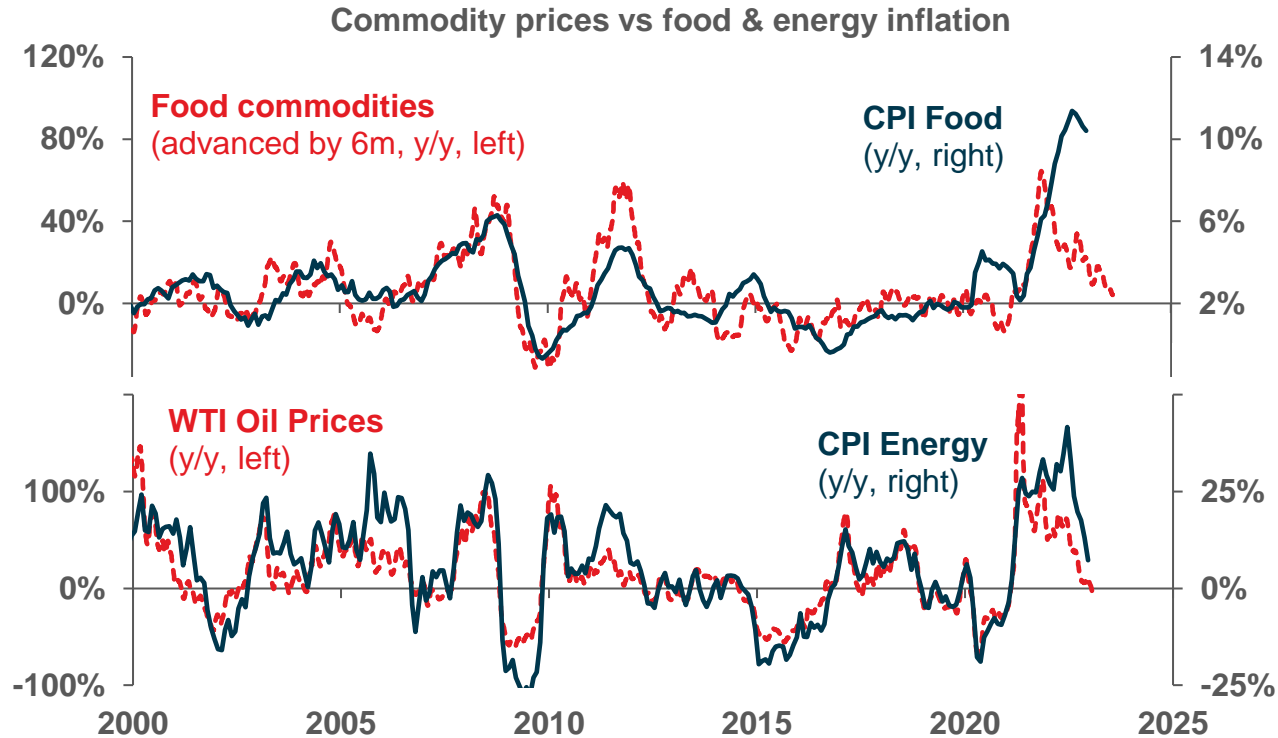
Inflation is slowing down...



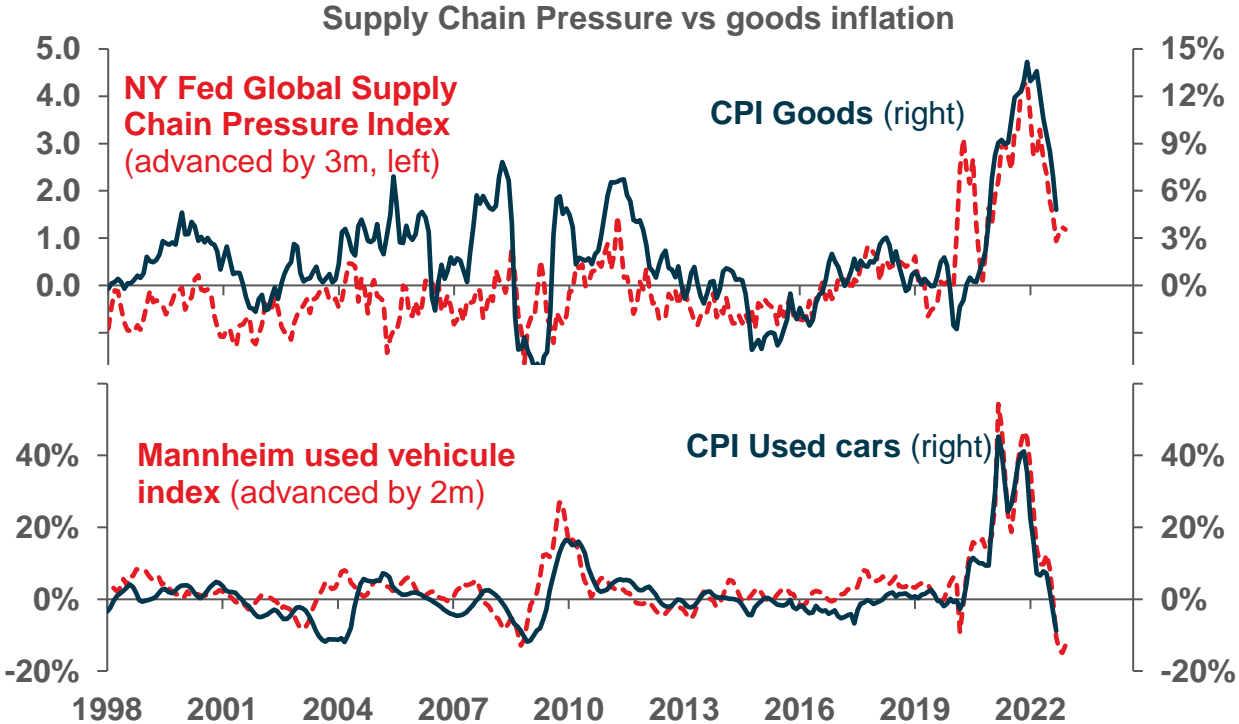
... as the perfect inflationary storm subsides



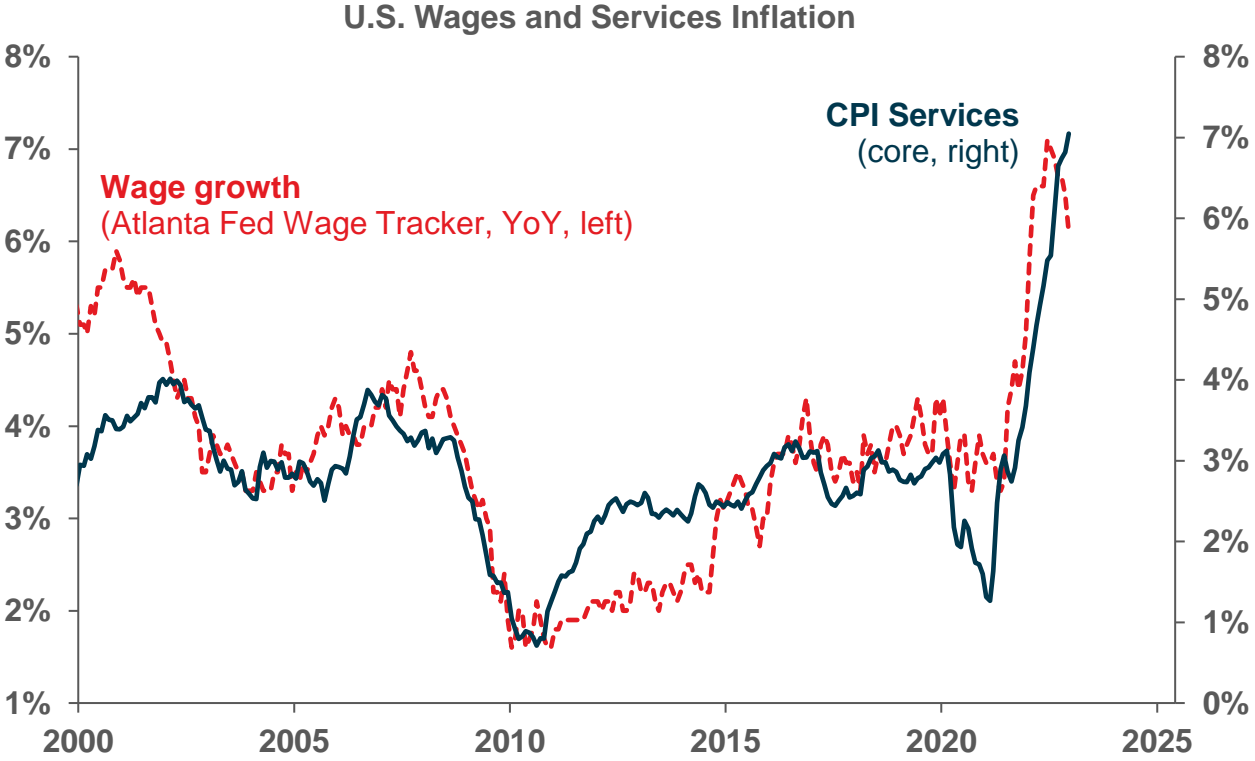
Food & energy: commodity prices on the mend



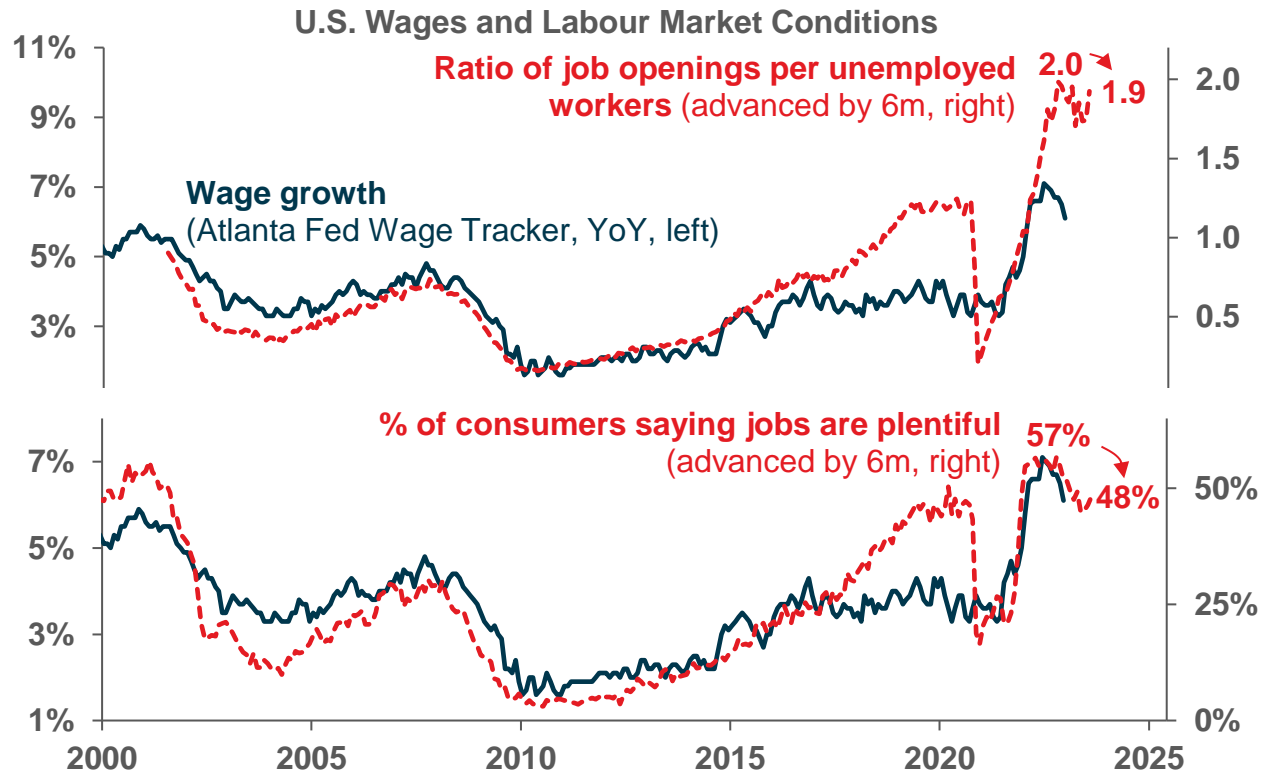
Goods: less pressure on supply chains



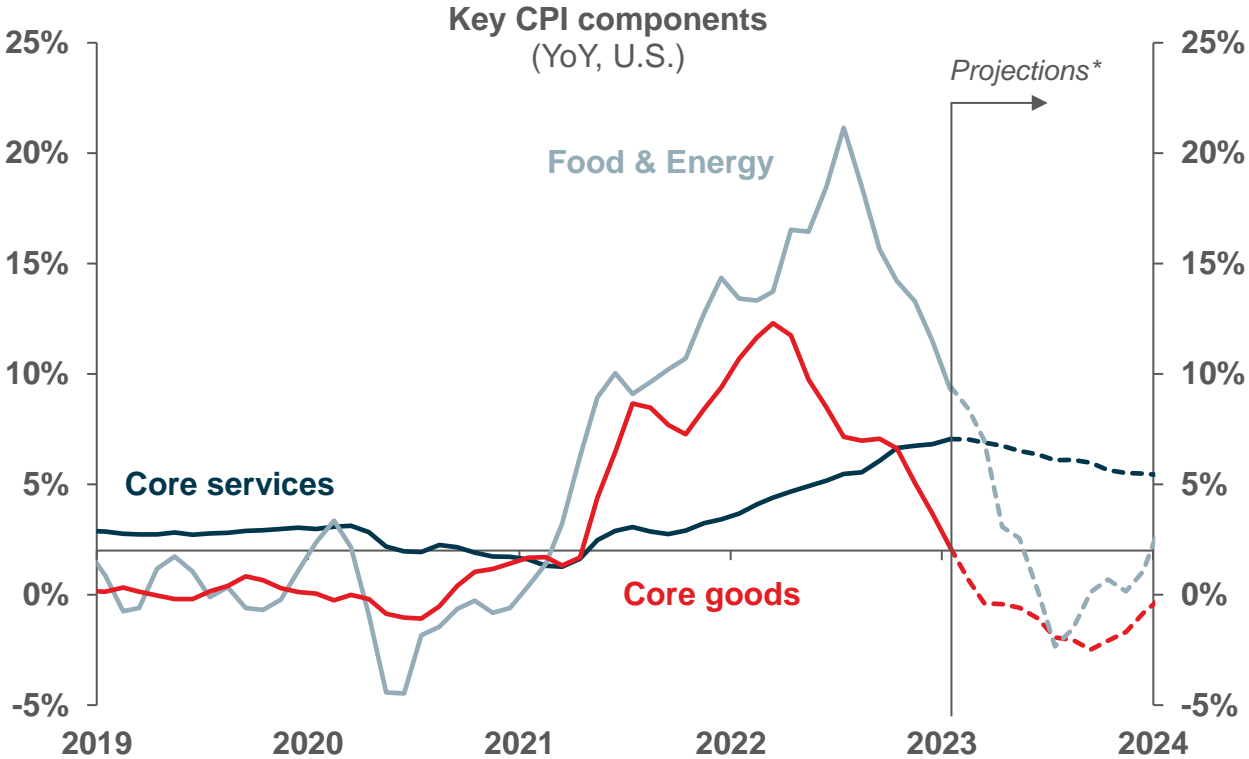
Services: wages are still causing pressure...



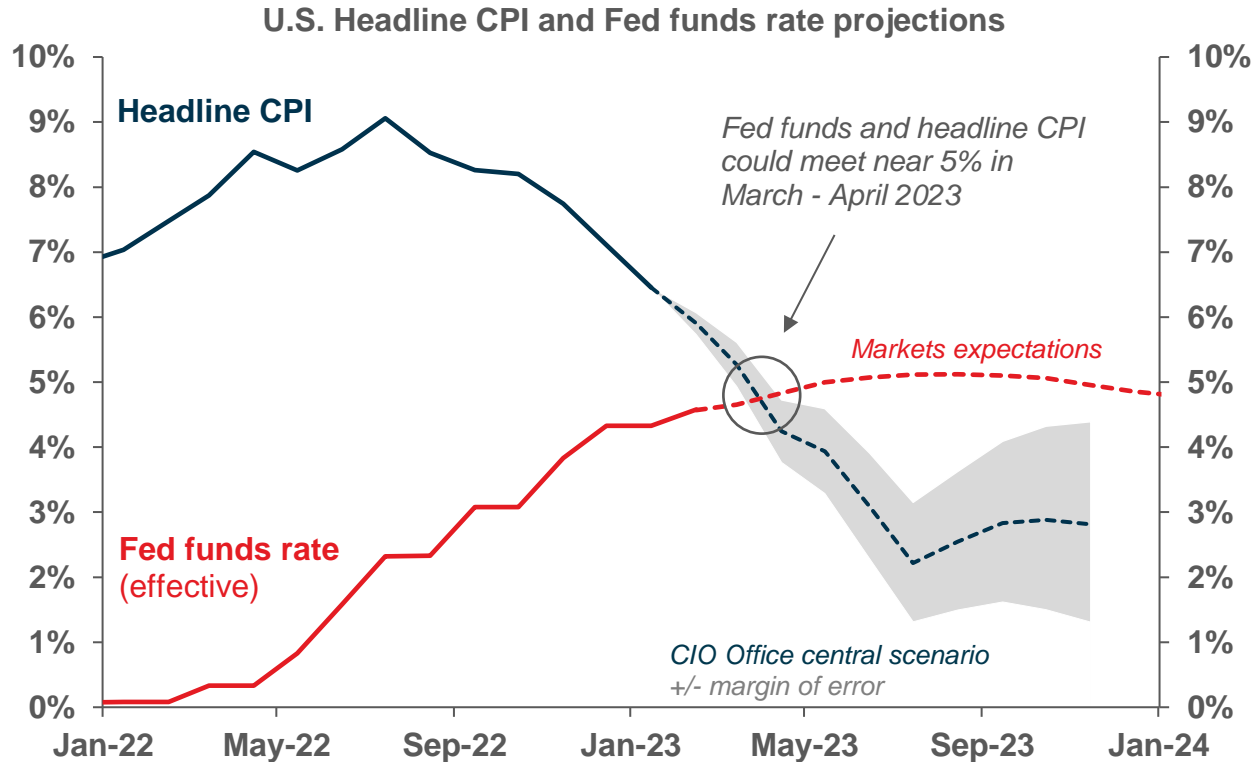
... but peak looming ahead of us



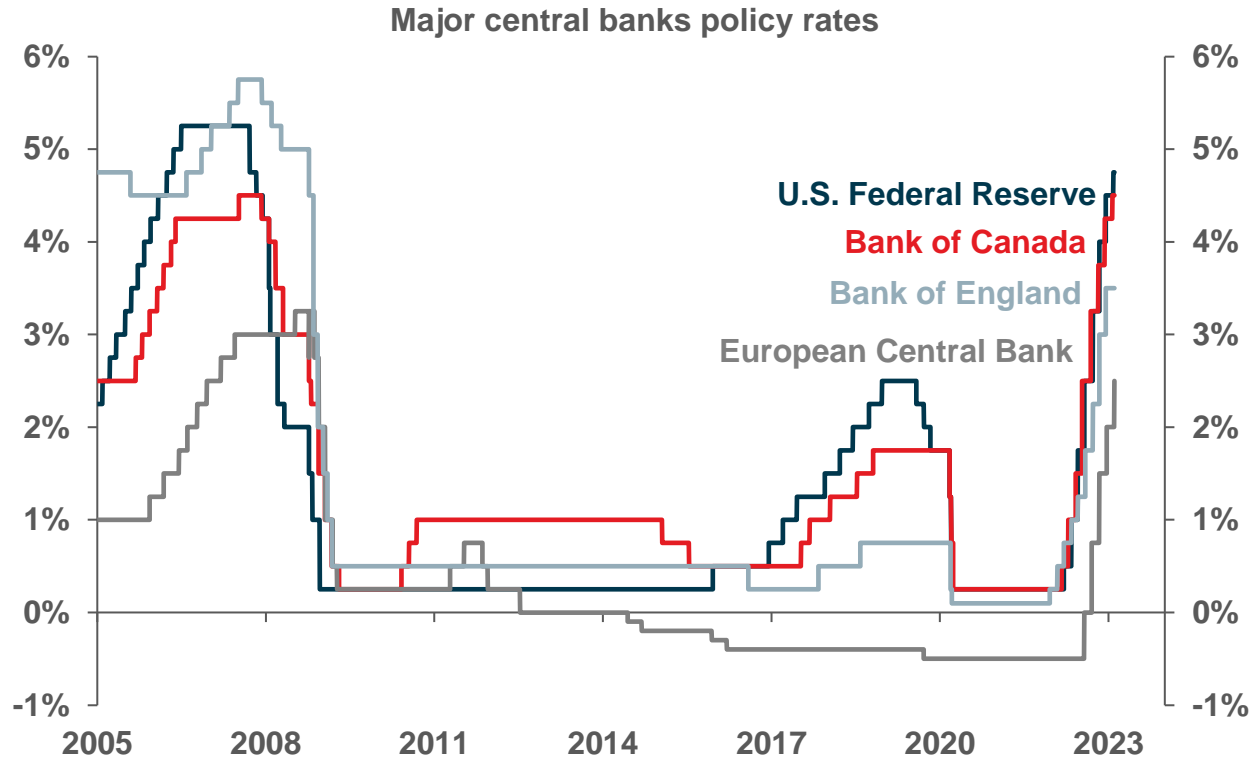
Inflation should continue to abate further in 2023...



... enabling the Fed to lift its foot off the brake pedal...



... as elsewhere in the world

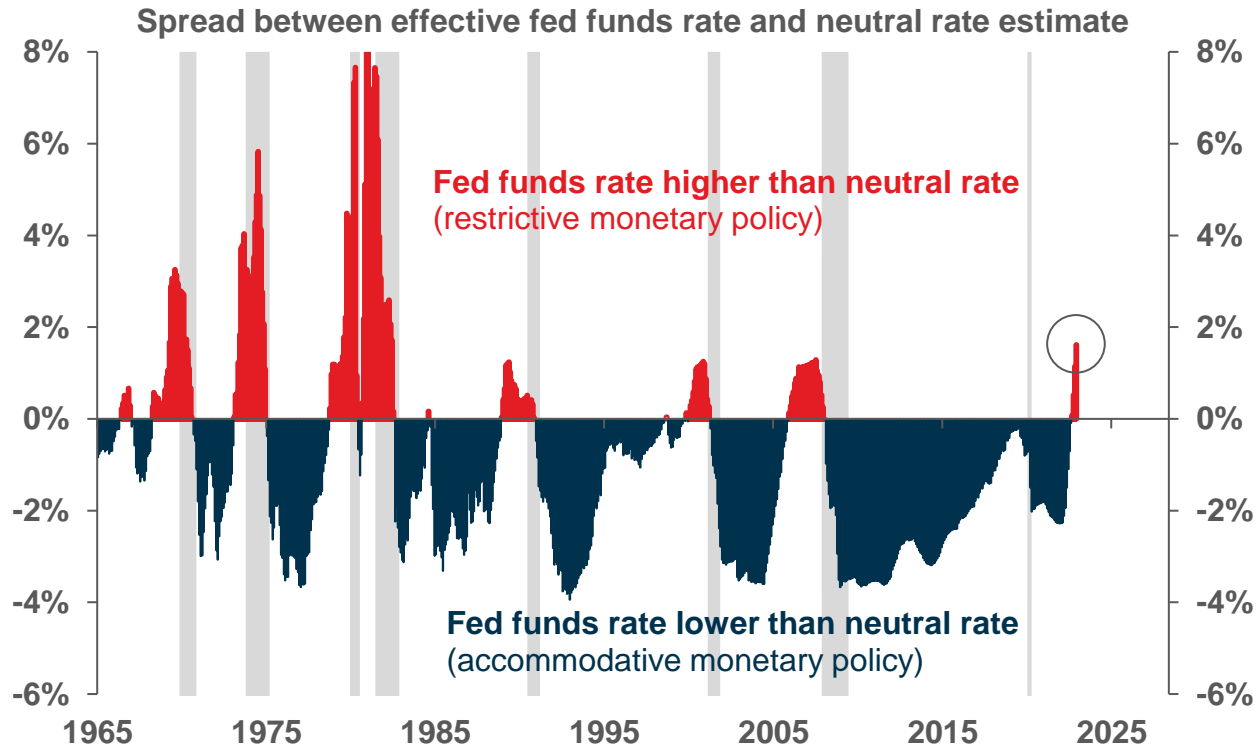


After a late start, a late u-turn?

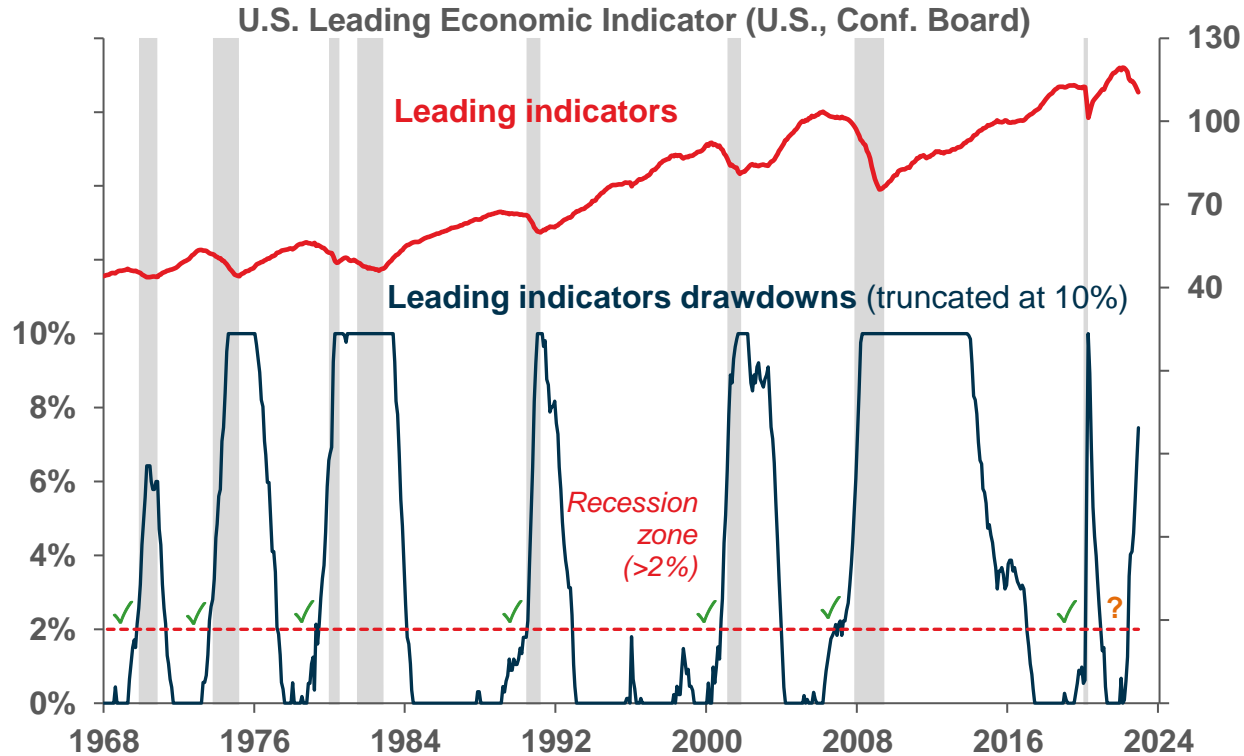
Federal Reserve rate-hike cycles since 1972*

| Fed Chair | First hike | | Last hike | | First cut | |
|---------------------|------------|-----------|-------------|-----------|-----------|-----------|
| | Date | Real rate | Date | Real rate | Date | Real rate |
| Burns | Mar-72 | 2.0% | Apr-74 | 0.9% | Jul-74 | -2.3% |
| Miller - Volcker | Aug-77 | -0.6% | Mar-80 | 1.7% | Apr-80 | 1.3% |
| Volcker | Aug-80 | -1.9% | May-81 | 9.2% | Jun-81 | 9.4% |
| Volcker | Jun-83 | 6.4% | Aug-84 | 7.1% | Sep-84 | 6.7% |
| Volcker - Greenspan | Apr-87 | 2.7% | Sep-87 | 3.0% | Nov-87 | 2.3% |
| Greenspan | Mar-88 | 2.8% | Feb-89 | 4.9% | May-89 | 4.4% |
| Greenspan | Feb-94 | 0.7% | Feb-95 | 3.1% | Jul-95 | 3.0% |
| Greenspan | Jun-99 | 3.0% | May-00 | 3.3% | Jan-01 | 1.8% |
| Bernanke | Jun-04 | -2.0% | Jun-06 | 0.9% | Sep-07 | 2.0% |
| Yellen - Powell | Dec-15 | -0.2% | Dec-18 | 0.6% | Jul-19 | 0.7% |
| Powell | Mar-22 | -8.0% | Current --> | -1.7% | ? | ? |
| Average | | 1.3% | | 3.5% | | 2.9% |

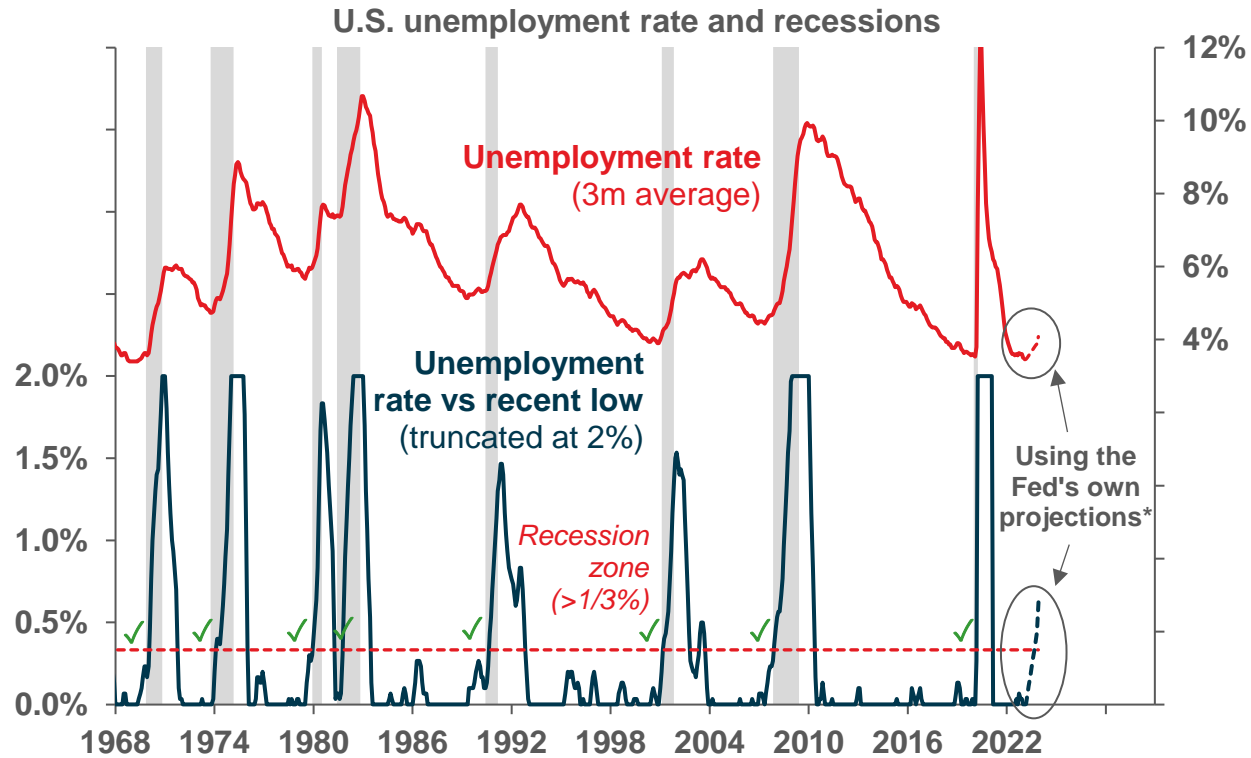
Due to restrictive monetary policy...



... many leading indicators flashing 'red'...



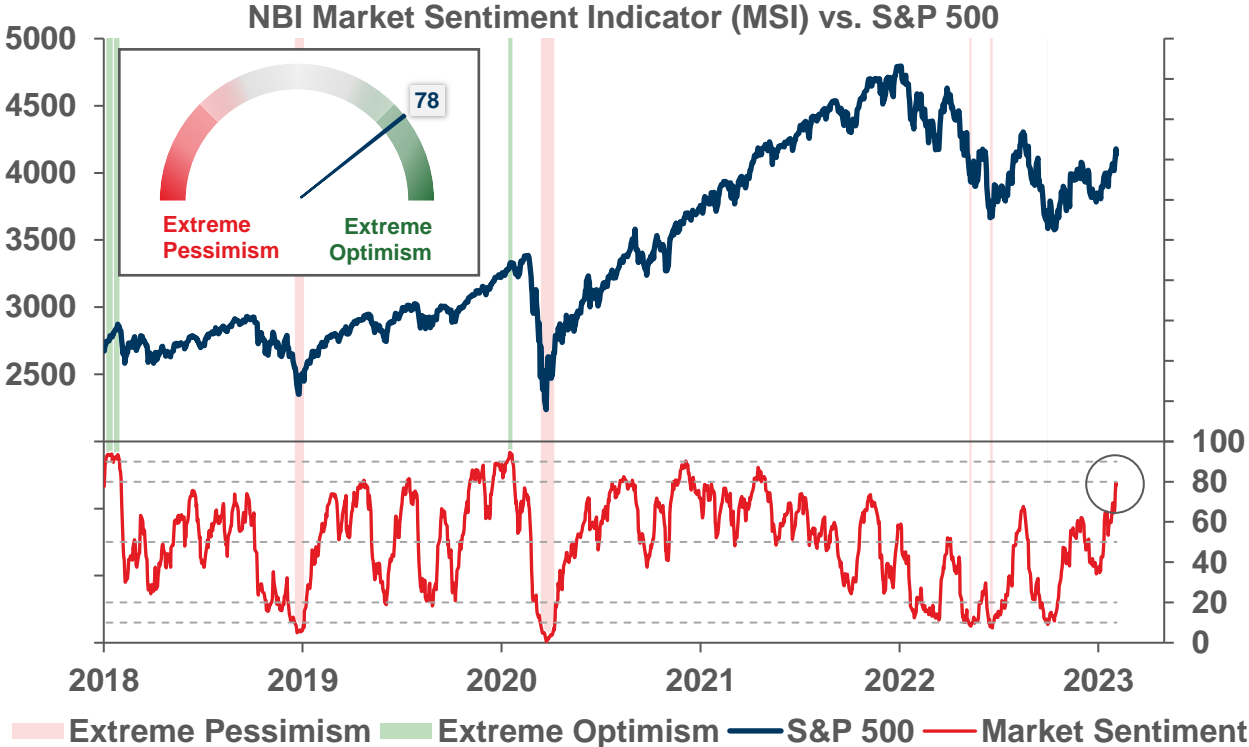
Eyes on the labor market !



Economic scenario (probability)

| | Previous | Current | Key elements and investment implications |
|------------------|------------------------|--------------------------|---|
| Bull case | Sub-trend growth (10%) | → Sub-trend growth (10%) | <ul style="list-style-type: none"> • Inflation decelerates much faster than anticipated; central banks set the stage for rate cuts in 2023. • Labour markets cool down, but without a sharp increase in layoffs: job openings drop, wage pressures ease. • Russia and Ukraine resume talks toward a potential conflict resolution. • Beijing's retreat from zero-COVID and additional stimulus measures support China's economic recovery. • Household consumption proves resilient, supported by solid balance sheets and improving purchasing power. <p>Economic implications: Below-potential but positive real GDP growth. Market implications: ↑Equities ↓Bond yields ↓↓USD ; U.S. & EM > Canada & EAFE</p> |
| Base case | Stagnation (50%) | → Stagnation (50%) | <ul style="list-style-type: none"> • Inflation slows down thanks to lower goods prices and a gradual moderation in services inflation. • Labour markets start softening but remain tight on a historical basis. • The Bank of Canada and the Fed keep their monetary policy into restrictive territory. • Corporate earnings are under pressure from rising wages, higher borrowing costs and weakening consumer demand. • Strong household balance sheets limit the extent of the economic slowdown. <p>Economic implications: Stagnation; zero GDP growth and moderate increase in unemployment. Market implications: ↓Equities ↑Bond yields ↑USD ; Canada & U.S. > EM & EAFE</p> |
| Bear case | Recession (40%) | → Recession (40%) | <ul style="list-style-type: none"> • Headline inflation decelerates, but core components and wage growth remain stubbornly high. • Major central banks keep their monetary policy deeper into restrictive territory. • Geopolitical tensions escalate, leading to renewed commodity disruptions. • Chinese growth falters as zero-COVID retreat leads to a major contagion wave. • Facing elevated inflation and still rising interest rates, consumers tighten their belt and cut discretionary spending. • Unknown financial markets fragilities are revealed, putting pressure on monetary and fiscal policy makers. <p>Economic implications: Recession; GDP contraction, job losses, sharp increase in unemployment. Market implications: ↓↓Equities ↓Bond yields ↑USD ; Canada & U.S. > EM & EAFE</p> |

Stocks seem to be pricing in the best-case scenario...

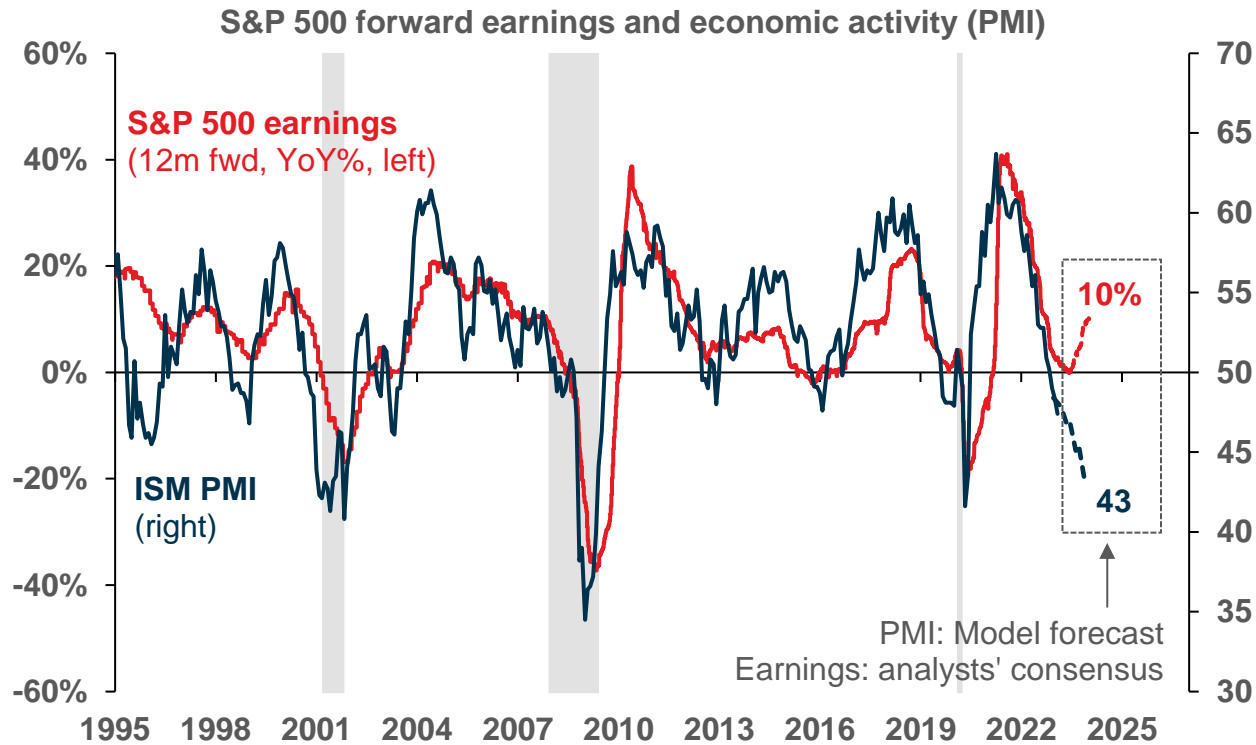


... but bear market typically need rate cuts to bottom

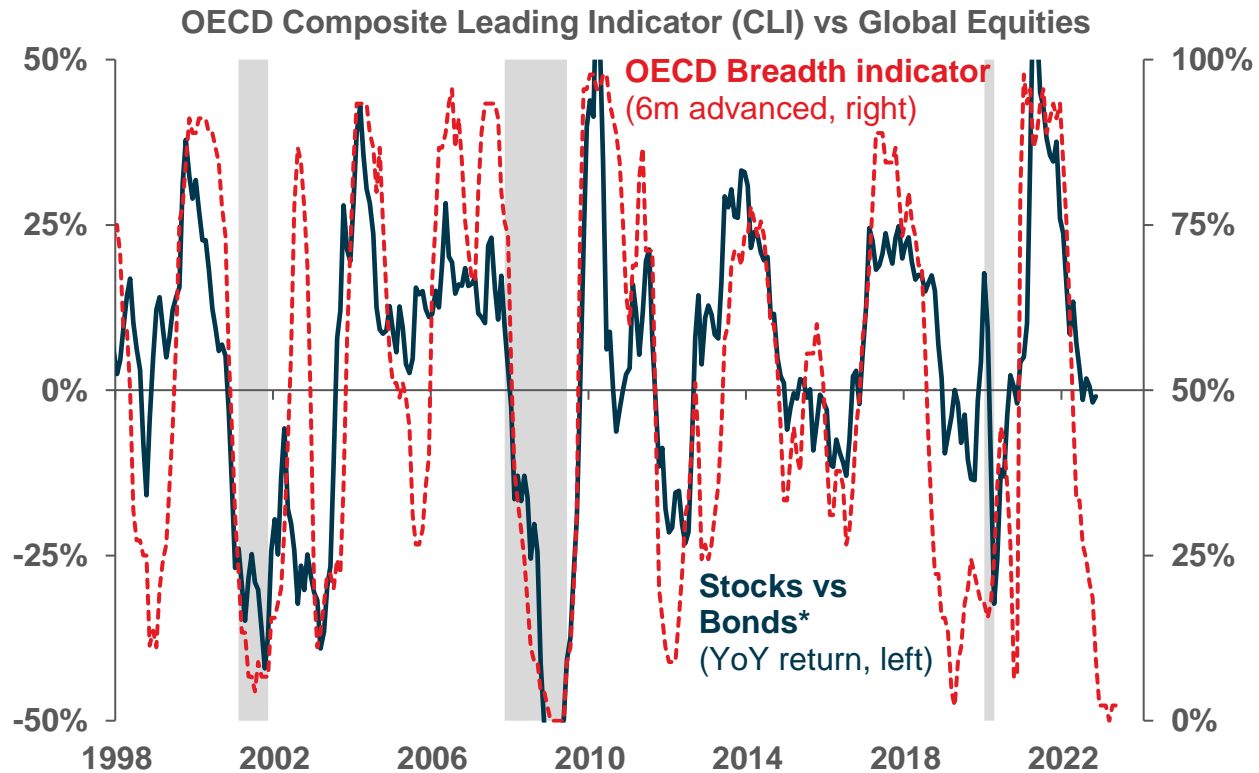
Economic and financial conditions during S&P 500 bear market bottoms

| Bear market bottom (R = recession) | S&P 500 peak-trough (in %) | S&P 500 peak-trough (in months) | 2-yr yields change (past 3m) ¹ | Last Fed move | Months since first rate cut ² | Real policy rate ³ |
|---------------------------------------|----------------------------------|---------------------------------------|---|------------------|--|----------------------------------|
| May-1970 (R) | -36% | 17 | -175 bps | Cut | 0 | 1.8% |
| Oct-1974 (R) | -48% | 20 | -253 bps | Cut | 2 | -2.8% |
| Aug-1982 (R) | -27% | 20 | -87 bps | Cut | 13 | 3.1% |
| Dec-1987 | -34% | 3 | -54 bps | Cut | 1 | 2.4% |
| Oct-2002 (R) | -49% | 30 | -103 bps | Cut | 21 | -0.3% |
| Mar-2009 (R) | -57% | 17 | +11 bps | Cut | 16 | 0.6% |
| Mar-2020 (R) | -34% | 1 | -136 bps | Cut | 0 | -1.3% |
| Average | -41% | 15 | -114 bps | - | 8 | 0.5% |
| <i>October 12, 2022*</i> | -25% | 9 | +124 bps | <i>Hike</i> | - | -4.5% |

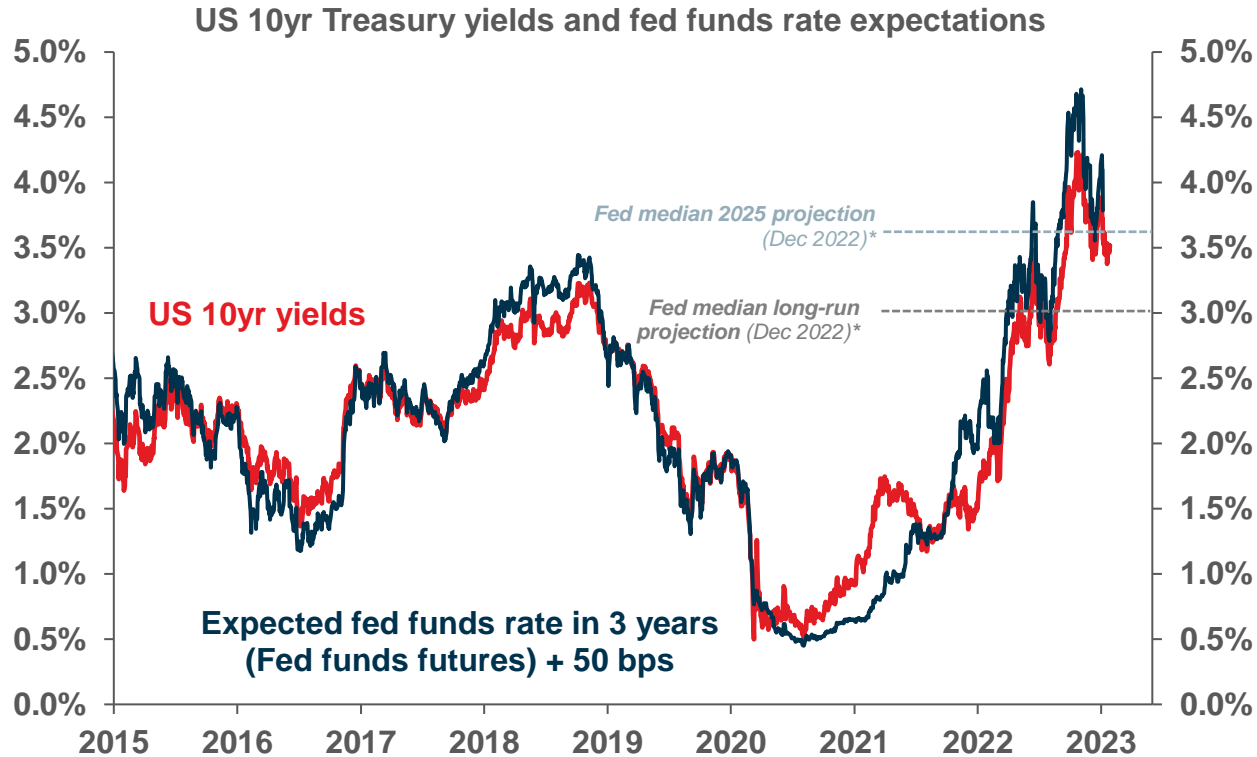
Earnings expectations appear overly optimistic



Environment favorable to bond outperformance...



... with bond yields reasonably priced



Three key takeaways

#1

What to monitor?

Labor market conditions, Fed guidance

#2

Base-case scenario

Lower inflation, central banks' pause, growth stagnation

#3

Markets

High volatility, caution, resilience

Questions?



The present document was prepared by National Bank Investments Inc. (NBI), a wholly owned subsidiary of National Bank of Canada. National Bank of Canada is a public company listed on the Toronto Stock Exchange (NA: TSX).

The information and the data supplied in the present document, including those supplied by third parties, are considered accurate at the time of their printing and were obtained from sources which we considered reliable. We reserve the right to modify them without advance notice. This information and data are supplied as informative content only. No representation or guarantee, explicit or implicit, is made as for the exactness, the quality and the complete character of this information and these data. The opinions expressed are not to be construed as solicitation or offer to buy or sell shares mentioned herein and should not be considered as recommendations. The opinions are not intended as investment advice nor are they provided to promote any particular investments and should in no way form the basis for your investment decisions.

This document is for distribution only under such circumstances in Canada and to residents of Canada as may be permitted by applicable law. This document is not directed at you if NBI or any affiliate distributing this document is prohibited or restricted by any legislation or regulation in any jurisdiction from making it available to you. You should satisfy yourself before reading it that NBI is permitted to provide this document to you under relevant legislation and regulations.

© 2023 National Bank Investments Inc. All rights reserved. Any reproduction, in whole or in part, is strictly prohibited without the prior written consent of National Bank Investments Inc.

® NATIONAL BANK INVESTMENTS is a registered trademark of National Bank of Canada, used under license by National Bank Investments Inc.



Open architecture.
Endless opportunities.



Legal notes

The information and the data supplied in the present document, including those supplied by third parties, are considered accurate at the time of their printing and were obtained from sources which we considered reliable. We reserve the right to modify them without advance notice. This information and data are supplied as informative content only. No representation or guarantee, explicit or implicit, is made as for the exactness, the quality and the complete character of this information and these data. The opinions expressed are not to be construed as solicitation or offer to buy or sell shares mentioned herein and should not be considered as recommendations.

Views expressed regarding a particular company, security, industry, market sector, future events (such as market and economic conditions), company or security performance, upcoming product offerings or other projections are the views of only the CIO Office, as of the time expressed and do not necessarily represent the views of National Bank of Canada and its subsidiaries (the “Bank”). Any such views are subject to change at any time based upon markets and other conditions, which could cause actual results to differ materially from what the CIO Office presently anticipate(s) or project(s). The Bank disclaims any responsibility to update such views. These views are not a recommendation to buy or sell and may not be relied on as investment advice.

NBI Funds (the “Funds”) are offered by National Bank Investments Inc., a wholly owned subsidiary of National Bank of Canada. Commissions, trailing commissions, management fees and expenses all may be associated with mutual fund investments. Please read the prospectus of the Funds before investing. The indicated rates of returns are based on the historical annual compounded total returns including changes in securities value and reinvestment of all distributions and do not take into account sales, redemption, distribution or optional charges or income taxes payable by any securityholder that would have reduced returns. The Funds’ securities are not insured by the Canada Deposit Insurance Corporation or by any other government deposit insurer. The Funds are not guaranteed, their values change frequently and past performance may not be repeated.

All performance shown on slide 68 is for F Series. F Series is offered as part of a “fees for services” program and as such, the performance shown does not include the compensation paid by the investor to the dealer, which would have reduced returns. Other series of units of the NBI Funds may be subject to higher management fees, which may result in lower returns. The benchmarks used can be blended, and are used because they represent an appropriate comparison, based on the relevant investment strategies and asset allocation.

Legal notes

These index providers are included in this document: Standard & Poor's, FTSE and MSCI. These companies are licensing their indices "as is", make no warranties regarding same, do not guarantee the suitability, quality, accuracy, timeliness and/or completeness of their indices or any data included in, related to or derived therefrom, assume no liability in connection with their use and do not sponsor, endorse or recommend National Bank of Canada and its wholly owned subsidiaries any of their products and services. The above index providers do not guarantee the accuracy of any index or blended benchmark model created by National Investment Bank using any of these indices. No responsibility or liability shall attach to any member of the Index Providers or their respective directors, officers, employees, partners or licensors for any errors or losses arising from the use of this publication or any information or data contained herein. In no event shall the above Index Providers be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, legal or other expenses, or losses (including, without limitation, lost revenues or profits and opportunity costs) arising out of or in connection with the use of the content, even if advised of the possibility of such damages.

The FTSE/TMX indices are trademarks of the LSE Group. S&P Indices are trademarks of S&P Dow Jones Indices LLC, a division of S&P Global. MSCI indices are trademarks of MSCI Inc. Nasdaq index is a trademark of Nasdaq Inc.

© 2023 National Bank Investments Inc. All rights reserved. Any reproduction, in whole or in part, is strictly prohibited without the prior written consent of National Bank Investments Inc.

® NATIONAL BANK INVESTMENTS is a registered trademark of National Bank of Canada, used under licence by National Bank Investments Inc.

Banque Nationale Investissements est membre de l'Association pour l'investissement responsable du Canada et signataire des Principes pour l'investissement responsable des Nations Unies.