Scotiabank.

GLOBAL ECONOMICS

SCOTIA FLASH

October 26, 2022

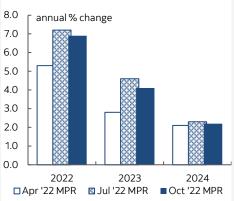
Contributors

Derek Holt

VP & Head of Capital Markets Economics Scotiabank Economics 416.863.7707 derek.holt@scotiabank.com

Chart 1

Bank of Canada Inflation Forecast Revisions



Sources: Scotiabank Economics, Bank of Canada *Monetary Policy Report*.

Chart 2

Bank of Canada GDP Forecast Revisions 4.5 annual % change 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 2022 2023 2024 □Apr '22 MPR ☑ Jul '22 MPR Oct '22 MPR

Sources: Scotiabank Economics, Bank of Canada *Monetary Policy Report*.

The Unreliable Canadian Boyfriend Redux

- BoC hiked 50bps, less than expected...
- ...but still plans further increases while opening up optionality on the pace
- The BoC essentially forecasts a global recession
- Today's decision may have been correct, but it went against Governor Macklem's pre-meeting guidance and may have prematurely loosened financial conditions.

Bank of Canada overnight rate:

Actual: 3.75% Scotia: 4% Consensus: 4% Priced: 4% Prior: 3.25%

The Bank of Canada hiked its policy rate by 50bps which was less than expected while guiding that further rate increases were in store. It opened the door to slowing the pace again into the next meeting via either a 25 or 50bps hike but shut it against pausing.

As a result, the Canadian rates curve rallied big time as the two-year yield plunged by 24bps, the 5-year yield dropped by 18bps and the 10-year yield fell 19bps. The aftermath even dropped the very long-end by 12bps on the day. Some of this may be a repositioning undershoot, like when the wind suddenly shifts on a small sailboat and everyone dives to the other side. CAD initially depreciated by ½% against the USD but clawed its way back throughout the communications due to widespread weakening of the USD that still leaves CAD as an underperformer against almost every other major currency pair in the aftermath of the communications. Now if the Fed doesn't surprise and sticks to hawkish messaging, then CAD could resume its downside vulnerability against the USD.

ANOTHER UNRELIABLE CANADIAN BOYFRIEND

I'll come back to the case for why the BoC did what it did today in a moment and how it may have been the right thing to do, but in terms of explaining the third market surprise this year the rub here concerns pre-meeting guidance from the Bank of Canada and the fact that Governor Macklem pretended like he never even said those things. This is true on two counts.

First, on October 14th, Macklem said at the conclusion of IMF meetings that he agrees under-tightening is the bigger risk. Well, he not only just under-tightened relative to expectations, he also seemed to pivot his language and is now balanced toward the risks of under- and over-tightening. Macklem said this in the press conference:

"We are trying to balance the risks on both sides. We don't want to undertighten because Canadians will have to continue to cope with high inflation.

We're also very conscious that the economy will slow more than needed and we'll undershoot our inflation target and we don't want to do that either."

Second, and on that same day, Macklem had said they were watching the USD very closely because it may mean to the BoC that "there's more work to do on interest rates." Just before that, Macklem said on October 6th (emphasis added):

"I won't predict the C\$. Normally when we raise interest rates the Canadian dollar appreciates. That does some of our work for us. We're not getting that this time. What that means is that other things equal there is going to be more to do on interest rates. We are going to take those exchange rate movements into account going forward in terms of what we need to do on interest rates."

In central bank speak, that was pretty explicit guidance to expect more rather than less today. Other central bank Governors like the RBA's Lowe and BoJ's Kuroda are more careful and circumspect when commenting on their currencies, noting they are monitoring them, and viewing passthrough effects as probably temporary. Macklem's comment had explicitly opted for a different approach that went about as explicitly toward saying he'd hike by more because of CAD weakness, yet he didn't. Maybe they are assuming a weak currency in future to guide further rate hikes instead of a bigger one today, but today certainly didn't help the case that they are really all that terribly fussed by the C\$. Markets could push them on that now.

Why not act more on the currency now? It may be that the BoC's CAD concerns abated somewhat in the past week as the currency appreciated by a few pennies on broader USD weakness that itself may be wishful thinking that the Fed is about to pivot, but if so, then this presents the chicken-and-egg problem. CAD appreciated in part due to broad USD movements but also in part because markets expected Macklem to do more today by at least matching expectations for what the Fed is expected to do next week.

Further on that point, when asked to address the scope for the BoC to diverge from the Fed, Macklem said:

"I'm going to let the Fed take their own decisions and we've taken ours. The Fed will focus upon their domestic mandate and we're focused upon ours. One of the values of independent monetary policy with a flexible exchange rate is that we can conduct monetary policy in the interests of Canadians."

That may be very true, to a point, but Macklem's concerns about the C\$ in the lead-up to today obviously implicitly took into account the Fed's likely path forward. In fact, you could say it was a direct signal the BoC was along for the ride at least in the short-term and because of the currency. Instead, Macklem has today opted for policy divergence from the Fed that will likely weigh upon the Canadian dollar—all else equal—and continue to present upside risk to inflation.

When asked to account for whether he changed his mind that CAD depreciation would fan inflation and the BoC needed to do more on rates, SDG Rogers "our monetary policy framework assumes a floating dollar in the market. We have seen a departure from the pattern between CAD movements and oil. The forecast we put out today takes into account the view that CAD weakness will feed through into higher import price inflation." Ok, but you said X on the currency before the meeting and did Y. How come? No answer.

This erratic pattern of surprising markets with sudden pivots seems habitual at the BoC. The BoC promised years of staying on hold and reeled in mortgage borrowers by over-stretching its abilities to provide forward guidance and forecast inflation. The BoC ignored all the abundant signs of inflation risk throughout 2021 and then whipsawed everyone this year. Macklem's December 2021 speech was clearly hawkish and set up priced expectations for a rate hike in January that they whiffed on. The BoC then panicked by hiking 100bps in July and hence more than expected upon suddenly realizing they were way behind in the fight against inflation. The lead up to today's decision is documented above as they again surprised markets relative to forms of forward guidance. The BoC needs to be much more careful in its communications in my view.

This is a serious matter because it speaks to the reliability of BoC guidance and using it to infer next steps. If there needs to be longer-lived forward guidance into a future crisis like, oh, say a recession, then borrowers and markets would be extremely well-advised to discount it in a fool me once shame on me, fool me twice (thrice, etc....) shame on you sense.

BOC'S FORWARD GUIDANCE

And so on that note, take what it says about the future rate path with extreme reservations but here we go anyway.

The BoC continues to guide that "the policy interest rate will need to rise further."

It places greater data conditionality around future moves by now saying "Future rate increases will be influenced by our assessments of how tighter monetary policy is working to slow demand, how supply challenges are resolving, and how inflation and inflation expectations are responding."

Ergo, the BoC is more data dependent at the margin. That was likely to arrive within the next 2–3 meetings including today's as the likely terminal rate approached, but hiking by less than expected and upping the data conditionality is *relatively* dovish on both counts.

What's more is that Macklem opened the door to another possible downshift in the pace of hikes at the December meeting. When asked whether this is a pivot from the Bank of Canada that big rate increases are now coming to an end and we are returning to more traditional quarter point increases, Macklem responded by saying:



"100, then we did 75, today we did 50. We have signalled very clearly rates will have to rise further. That could mean another big increase or more normal 25 point increases. It's going to depend upon how the effects of higher interest rates are flowing through to demand."

Thus, we will spend the next several weeks up to the December 7th statement-only decision placing high dependence upon the next CPI report on November 16th and especially core measures, the next two Canadian employment reports including next Friday's, Q3 GDP on November 29th, other domestic data, plus what the Federal Reserve and markets do in the meantime. Such elevated data dependence makes it highly premature to judge the outcome at this stage.

When asked whether the signal today is that a policy pause or a skip along a still hiking path is possible in the next decision or whether the BoC is only focused upon the pace and scale of rate hikes, Macklem said:

"I am closer to the second part. We have been clear that rates will have to rise further. We will determine the pace based upon developments going forward."

WHY DID HE GO SMALLER?

It's not that there is not a good case for opting for a smaller rate hike with the strong caveat on the currency connection. I think that actually makes some sense at this point and so kudos to being a tad more cautious. The beef is more focused upon the unreliability of the BoC's forward guidance tool and concern it may be useless if needed in bigger ways in future.

When asked why he opted for a smaller rate hike today and the next meeting, Macklem said:

"This is another larger than normal step. Inflation is high and generalized, we remain in excess demand, the economy is slowing but that's needed, near-term inflation expectations are high and that could bleed into longer-term expectations and become embedded. We felt we needed a bigger than normal step for these reasons. We also see that the economy is slowing and revised our growth lower well below trend to give supply the chance to catch up. On 50 versus 75, coming into this meeting interest rates were already considerably higher and there are now clear signs that the economy is slowing and we judged that we needed to move from very big steps to a big step and we still judged that they need to rise further."

Macklem also sounded more cautious about the lagging effects:

"We will be watching closely how the effects of higher interest rates work through the economy and how they affect spending. We are already seeing clear signs that the rate increases we have done are having an impact upon the economy. It will take time for the rate increases to work through the economy and we'll be watching how that works through inflation. These are not things that our models are equipped to deal with."

In fact, while he emphasized that models can be useful, he spent considerable time trashing their usefulness in our times. At a senior leadership level this caution against over-reliance upon models is extremely wise.

Further, when asked whether financial stability concerns or financial markets liquidity may have had some bearing on the BoC's decision to offer only a 50bps hike today, SDG Rogers intimated as such when she said "We have seen financial conditions tighten considerably. Now is a time for central banks and market participants to be vigilant." Very true, accidents commonly lurk in the shadows at this point in a tightening cycle....

FORECASTS

The BoC's forecast for the global economy is essentially that of a global recession. Global GDP is projected to grow by just 1.5% in 2023 and mildly accelerate to 2.5% in 2024. That's a global economy that is stalling out and that will be marked by recessionary conditions in multiple areas.

The BoC's Canadian inflation forecasts were marked down a touch (chart 1) but are still high throughout the forecast horizon with 2022 inflation down to 6.9 from 7.2% y/y, 2023 down a half point to 4.1% and 2024 little changed at 2.2% from 2.3%. So they're saying it takes until 2024 to get inflation in line with their 2% target, bearing in mind their inflation forecasting track record...

Growth forecasts were also marked down as chart in chart 2.



RECESSION RISK

When asked whether a recession is likely at this point or have you changed your assessment of a soft landing, Macklem said:

"Our latest outlook has growth stalling for the next several quarters. 2–3 quarters of slightly negative growth are just as likely as 2–3 quarters of slightly positive growth. That's not a contraction but it is clearly a sign that the economy is slowing. With growth slowing that will give supply the opportunity to catch up to demand and relieve price pressures in our economy. With our new projections we can be clear we are expecting roughly no growth for the next several quarters and a solid pick-up thereafter."

I can get over the continued reference to "front-loading" rate hikes when it's not front-loading if you're reacting ages after inflation risk and actual inflation soared. But I'll be pleasantly surprised if the worst we see is the BoC's forecast for the Canadian economy. 350bps of rate hikes in eight months with more to come as significant parts of the rest of the world economy stumble likely poses greater downside risk to the economy than the BoC is letting on.

INFLATION DRIVERS

I thought a very good question in the press conference concerned asking the Governor to explain chart 19 in the MPR that shows a breakdown of what is expected to push inflation lower over the next 2–3 years. Very good because it speaks to what the BoC is hanging its hat upon. The main emphasis is upon the category labelled "other factors" and the hope that they will diminish in order to bring inflation lower as opposed to all of the other drivers of the break down of their inflation forecast in that chart. Other drivers are defined in the MPR to include:

"These potentially include the pass-through of elevated energy costs to the prices of other goods and services as well as elevated shelter costs. Specifically, high energy costs seem to have passed through to inflation much more than is usual. It will take some time for these unusually large impacts to fully recede."

There is an awful lot more guiding inflation forecasts than these considerations. Plus, against this hope is the downgraded forecast range for potential GDP (basically the economy's capacity to produce goods and services without stoking inflation) to 1.4–3.3% in 2023 (from 1.8–3.3% previously) and 1.4–3.5% in 2024 (from 2.0–3.5% previously). Fiddling with potential GDP forecasts that are at the very best a total guess doesn't lend much, but when they are raised or the range is tightened it implies the sudden belief that the supply side will do more to cool inflation than was the case in the prior forecast in July which may come true but flags a significant part of what they are counting upon.

INFLATION EXPECTATIONS

During the press conference, Macklem observed that inflation expectations are starting to ease. If they mean their own surveys, then charts 1 and 2 <u>here</u> say otherwise. Consumers' expectations continue to push higher in the 1- and 2-year timeframes and are volatile further out, while business expectations were steadily high and little changed from the prior surveys in July. Consumers' 1- and 2-year ahead expectations moved higher in the BoC's survey and the 5-year ease a touch along a highly volatile pattern. Business expectations for >3% inflation remained unchanged in this survey versus the July version.

NOW VERSUS THE 1970S

I thought Macklem's answer to the differences between inflation now versus the 1970s might be worth repeating for clients. Macklem said:

"Monetary policy frameworks have changed a lot. In the 1970s we had abandoned the system of fixed exchange rates but didn't replace it with another anchor and so central banks were adrift and expectations became unmoored. That's why back then it takes a severe recession to bring them back down. We have had a clear inflation target for 30 years and longer run expectations remain reasonably anchored. In the 1970s there was a long period of excess demand but this time we've gone from the deepest recession ever to the faster recovery into excess demand. By front-loading our response that is slowing spending and hopefully we will start to see clear signs that inflation is starting to slow down."

Please see the attached statement comparison, bearing in mind that an MPR-statement is typically a much lengthier full re-write with new forecasts.

RELEASE DATE: October 26, 2022

The Bank of Canada today increased its target for the overnight rate to 33/4%, with the Bank Rate at 4% and the deposit rate at 33/4%.

The Bank is also continuing its policy of quantitative tightening.

The Bank is also continuing its policy of quantitative tightening.

Inflation around the world remains high and broadly based. This reflects the strength of the global recovery from the pandemic, a series of global supply disruptions, and elevated commodity prices, particularly for energy, which have been pushed up by Russia's attack on Ukraine. The strength of the US dollar is adding to inflationary pressures in many countries. Tighter monetary policies aimed at controlling inflation are weighing on economic activity around the world. As economies slow and supply disruptions ease, global inflation is expected to come down.

In the United States, labour markets remain very tight even as restrictive financial conditions are slowing economic activity. The Bank projects no growth in the US economy through most of next year. In the euro area, the economy is forecast to contract in the quarters ahead, largely due to acute energy shortages. China's economy appears to have picked up after the recent round of pandemic lockdowns, although ongoing challenges related to its property market will continue to weigh on growth. Overall, the Bank projects that global growth will slow from 3% in 2022 to about 1½% in 2023, and then pick back up to roughly 2½% in 2024. This is a slower pace of growth than was projected in the Bank's July Monetary Policy Report (MPR).

In Canada, the economy continues to operate in excess demand and labour markets remain tight. The demand for goods and services is still running ahead of the economy's ability to supply them, putting upward pressure on domestic inflation. Businesses continue to report widespread labour shortages and, with the full reopening of the economy, strong demand has led to a sharp rise in the price of services.

The effects of recent policy rate increases by the Bank are becoming evident in interest-sensitive areas of the economy: housing activity has retreated sharply, and spending by households and businesses is softening. Also, the slowdown in international demand is beginning to weigh on exports. Economic growth is expected to stall through the end of this year and the first half of next year as the effects of higher interest rates spread through the economy. The Bank projects GDP growth will slow from 31/4% this year to just under 1% next year and 2% in 2024.

In the last three months, CPI inflation has declined from 8.1% to 6.9%, primarily due to a fall in gasoline prices. However, price pressures remain broadly based, with two-thirds of CPI components increasing more than 5% over the past year. The Bank's preferred measures of core inflation are not yet showing meaningful evidence that underlying price pressures are easing. Near-term inflation expectations remain high, increasing the risk that elevated inflation becomes entrenched.

The Bank expects CPI inflation to ease as higher interest rates help rebalance demand and supply, price pressures from global supply disruptions fade, and the past effects of higher commodity prices dissipate. CPI inflation is projected to move down to about 3% by the end of 2023, and then return to the 2% target by the end of 2024.

Given elevated inflation and inflation expectations, as well as ongoing demand pressures in the economy, the Governing Council expects that the policy interest rate will need to rise further. Future rate increases will be influenced by our assessments of how tighter monetary policy is working to slow demand, how supply challenges are resolving, and how inflation and inflation expectations are responding. Quantitative tightening is complementing increases in the policy rate. We are resolute in our commitment to restore price stability for Canadians and will continue to take action as required to achieve the 2% inflation target.

RELEASE DATE: September 7, 2022

The Bank of Canada today increased its target for the overnight rate to 31/4%, with the Bank Rate at 31/2% and the deposit rate at 31/4%. The Bank is also continuing its policy of quantitative tightening.

The global and Canadian economies are evolving broadly in line with the Bank's July projection. The effects of COVID-19 outbreaks, ongoing supply disruptions, and the war in Ukraine continue to dampen growth and boost prices.

Global inflation remains high and measures of core inflation are moving up in most countries. In response, central banks around the world continue to tighten monetary policy. Economic activity in the United States has moderated, although the US labour market remains tight. China is facing ongoing challenges from COVID shutdowns. Commodity prices have been volatile: oil, wheat and lumber prices have moderated while natural gas prices have risen.

In Canada, CPI inflation eased in July to 7.6% from 8.1% because of a drop in gasoline prices. However, inflation excluding gasoline increased and data indicate a further broadening of price pressures, particularly in services. The Bank's core measures of inflation continued to move up, ranging from 5% to 5.5% in July. Surveys suggest that short-term inflation expectations remain high. The longer this continues, the greater the risk that elevated inflation becomes entrenched.

The Canadian economy continues to operate in excess demand and labour markets remain tight. Canada's GDP grew by 3.3% in the second quarter. While this was somewhat weaker than the Bank had projected, indicators of domestic demand were very strong – consumption grew by about 91/2% and business investment was up by close to 12%. With higher mortgage rates, the housing market is pulling back as anticipated, following unsustainable growth during the pandemic. The Bank continues to expect the economy to moderate in the second half of this year, as global demand weakens and tighter monetary policy here in Canada begins to bring demand more in line with supply.

Given the outlook for inflation, the Governing Council still judges that the policy interest rate will need to rise further. Quantitative tightening is complementing increases in the policy rate. As the effects of tighter monetary policy work through the economy, we will be assessing how much higher interest rates need to go to return inflation to target. The Governing Council remains resolute in its commitment to price stability and will continue to take action as required to achieve the 2% inflation target.

This report has been prepared by Scotiabank Economics as a resource for the clients of Scotiabank. Opinions, estimates and projections contained herein are our own as of the date hereof and are subject to change without notice. The information and opinions contained herein have been compiled or arrived at from sources believed reliable but no representation or warranty, express or implied, is made as to their accuracy or completeness. Neither Scotiabank nor any of its officers, directors, partners, employees or affiliates accepts any liability whatsoever for any direct or consequential loss arising from any use of this report or its contents.

These reports are provided to you for informational purposes only. This report is not, and is not constructed as, an offer to sell or solicitation of any offer to buy any financial instrument, nor shall this report be construed as an opinion as to whether you should enter into any swap or trading strategy involving a swap or any other transaction. The information contained in this report is not intended to be, and does not constitute, a recommendation of a swap or trading strategy involving a swap within the meaning of U.S. Commodity Futures Trading Commission Regulation 23.434 and Appendix A thereto. This material is not intended to be individually tailored to your needs or characteristics and should not be viewed as a "call to action" or suggestion that you enter into a swap or trading strategy involving a swap or any other transaction. Scotiabank may engage in transactions in a manner inconsistent with the views discussed this report and may have positions, or be in the process of acquiring or disposing of positions, referred to in this report.

Scotiabank, its affiliates and any of their respective officers, directors and employees may from time to time take positions in currencies, act as managers, co-managers or underwriters of a public offering or act as principals or agents, deal in, own or act as market makers or advisors, brokers or commercial and/or investment bankers in relation to securities or related derivatives. As a result of these actions, Scotiabank may receive remuneration. All Scotiabank products and services are subject to the terms of applicable agreements and local regulations. Officers, directors and employees of Scotiabank and its affiliates may serve as directors of corporations.

Any securities discussed in this report may not be suitable for all investors. Scotiabank recommends that investors independently evaluate any issuer and security discussed in this report, and consult with any advisors they deem necessary prior to making any investment.

This report and all information, opinions and conclusions contained in it are protected by copyright. This information may not be reproduced without the prior express written consent of Scotiabank.

™ Trademark of The Bank of Nova Scotia. Used under license, where applicable.

Scotiabank, together with "Global Banking and Markets", is a marketing name for the global corporate and investment banking and capital markets businesses of The Bank of Nova Scotia and certain of its affiliates in the countries where they operate, including; Scotiabank Europe plc; Scotiabank (Ireland) Designated Activity Company; Scotiabank Inverlat S.A., Institución de Banca Múltiple, Grupo Financiero Scotiabank Inverlat, Scotia Inverlat Derivados S.A. de C.V. – all members of the Scotiabank group and authorized users of the Scotiabank mark. The Bank of Nova Scotia is incorporated in Canada with limited liability and is authorised and regulated by the Office of the Superintendent of Financial Institutions Canada. The Bank of Nova Scotia is authorized by the UK Prudential Regulation Authority and is subject to regulation by the UK Financial Conduct Authority and limited regulation by the UK Prudential Regulation Authority are available from us on request. Scotiabank Europe plc is authorized by the UK Prudential Regulation Authority and regulated by the UK Financial Conduct Authority and Regulation Authority.

Scotiabank Inverlat, S.A., Scotia Inverlat Casa de Bolsa, S.A. de C.V., Grupo Financiero Scotiabank Inverlat, and Scotia Inverlat Derivados, S.A. de C.V., are each authorized and regulated by the Mexican financial authorities.

Not all products and services are offered in all jurisdictions. Services described are available in jurisdictions where permitted by law.