

Refining Your Bond Portfolio

Fixed Income Decision Tree

“The rise of ETFs has created more flexibility in how both dealers and clients can execute portfolio trades.”

— BANK OF CANADA, 2020

Adjusting fixed income allocations has become increasingly important in today's environment. Investors are being forced to more actively manage their fixed income exposures as market volatility continues and the interest rate environment remains uncertain. Exchange traded funds (ETFs) are an excellent tool to help manage concerns around declining bond inventories and liquidity constraints in the market. While still providing an effective hedge against equity corrections, the two traditional roles of bonds, income generation and capital protection, are top of mind due to market uncertainty and changing sentiment among central banks.

When investors consider interest rate risk, some will adjust duration under the assumption that interest rates move in a parallel manner, in other words that all yields move up and down by the same amount. In reality, beyond parallel shifts, yield curves can steepen, flatten, or twist as short-term, mid-term and long-term rates are influenced by differing factors.

In addition, credit spreads can tighten or widen and currency can impact a portfolio.

Increasingly, investors are using ETFs for their many fixed income needs, providing both core and satellite exposures. We have also witnessed a growing popularity of active fixed income ETFs, giving investors more choice where active management offers professional asset allocation and expertise while adding global exposure. Typically, we are seeing **passive** ETFs used when an investor has confidence in their views, and adding **active** global fixed income ETFs where they have less expertise.

Passive ETFs lead the way as low cost solutions as well as access tools that enable investors to attain precise exposures. Active ETFs are effectively priced compared to traditional investments, typically leaving more returns in an investor's pocket.

ETFs have become portfolio construction tools for investors providing:

Low Cost
Exposures

Efficient
Trading

Enhanced
Liquidity

Diversification

Fixed Income Decision Tree:

Active, Passive or a Blend?

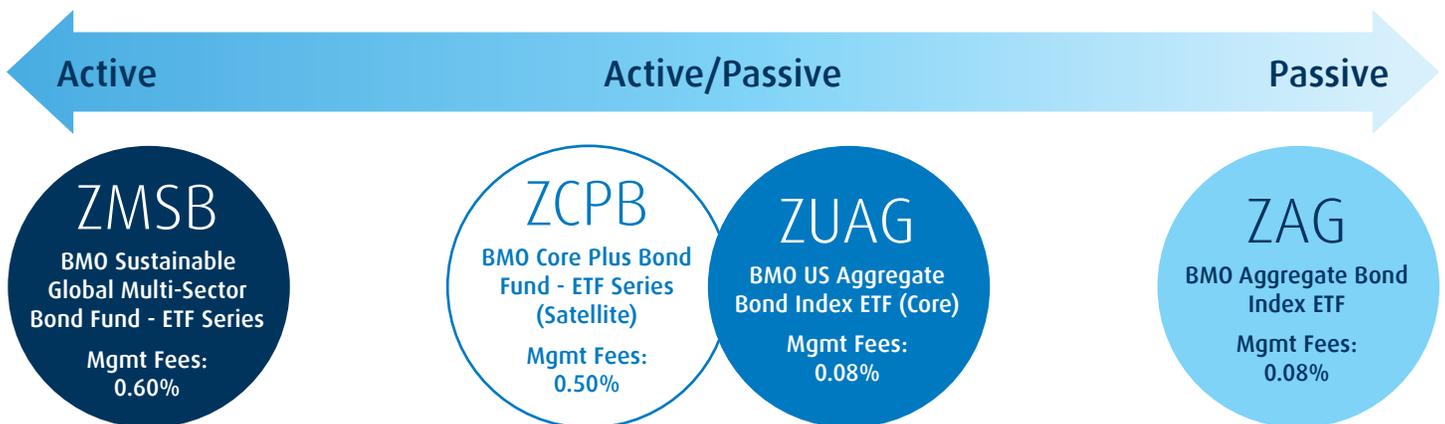
With the launch of active fixed income ETFs, investors have even more flexibility in their portfolio construction. The choice between active and passive may be best viewed as spectrum and not an either/or decision. An index-based approach can be more suitable for a purely passive investor who is more fee conscious and believes in efficient markets.

Moving towards the middle the spectrum, active management can be complemented by using index based, passive ETFs, to make active bets where an investor has a view on

interest rates, credit, or the economy. As well, a portfolio can be built with a passive core and select active managers as satellite positions to generate alpha in asset classes where expertise can be outsourced such as high yield or emerging markets.

And for investors who prefer to rely entirely on professional active management, they can choose active fixed income ETFs to seek alpha at a low cost.

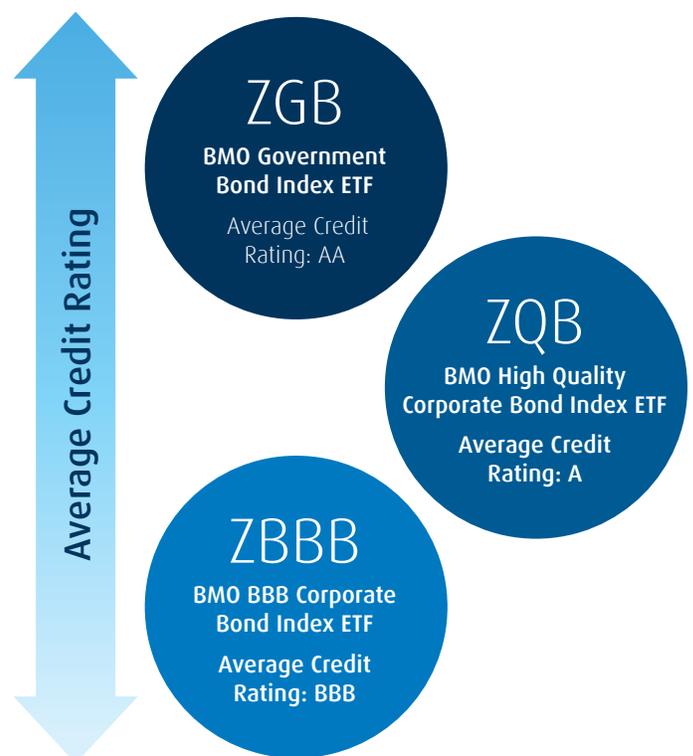
Source: BMO Global Asset Management



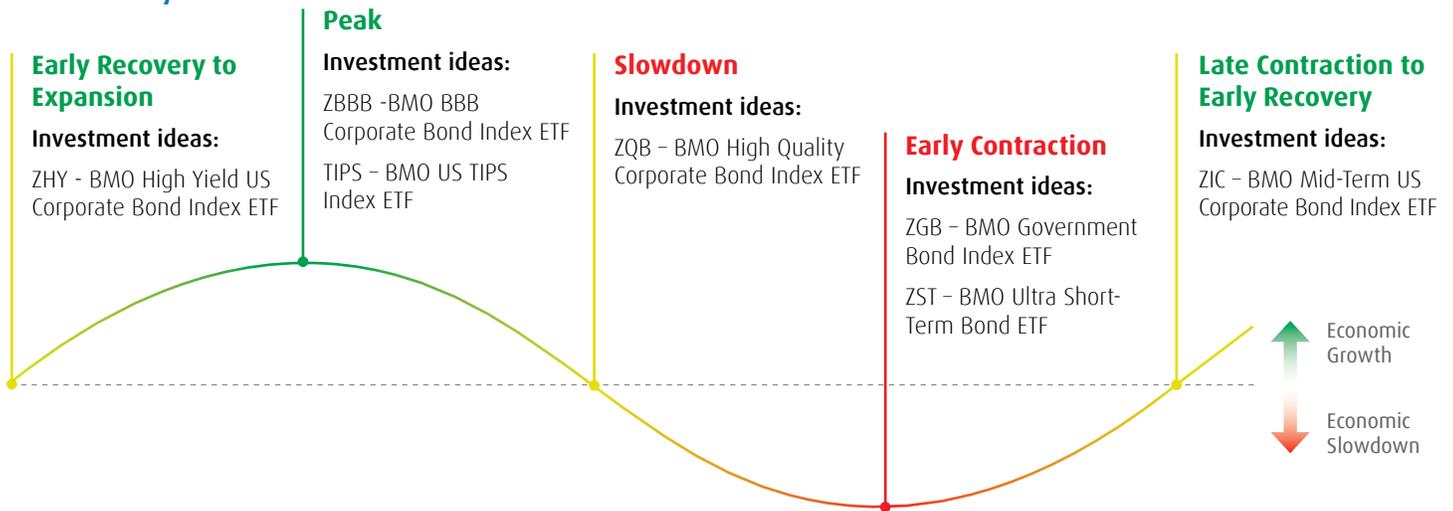
What is your view on the economy?

Depending on where investors believe we are in the economic cycle, they can position their fixed income portfolios accordingly. When confidence is high, and investors believe economic growth will be positive they can look to perhaps incorporating high yield bonds and BBB bonds into portfolios. For more nervous investors who believe an economic slowdown is on the horizon and prefer to position themselves more defensively, they can look to improving their portfolio credit quality and by perhaps adding government bonds.

A more constructive view should result in a higher weight in corporate bonds, and higher conviction would include high yield bonds and BBB Bonds.



Economic Cycle

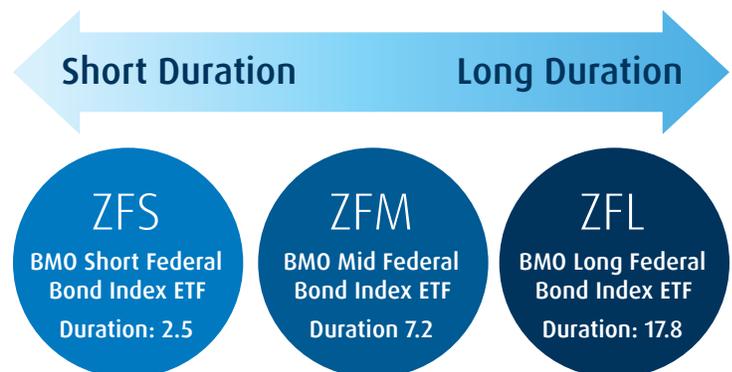


Fixed Income Matrix

<p>BMO Short Corporate Bond Index ETF</p> <p>ZCS distributing units</p> <p>ZCS.L accumulating units</p>	<p>BMO Mid Corporate Bond Index ETF</p> <p>ZCM</p>	<p>BMO Long Corporate Bond Index ETF</p> <p>ZLC</p>
<p>BMO Short Provincial Bond Index ETF</p> <p>ZPS distributing units</p> <p>ZPS.L accumulating units</p>	<p>BMO Mid Provincial Bond Index ETF</p> <p>ZMP</p>	<p>BMO Long Provincial Bond Index ETF</p> <p>ZPL</p>
<p>BMO Short Federal Bond Index ETF</p> <p>ZFS distributing units</p> <p>ZFS.L accumulating units</p>	<p>BMO Mid Federal Bond Index ETF</p> <p>ZFM</p>	<p>BMO Long Federal Bond Index ETF</p> <p>ZFL</p>

Yield Curve Shifts - How do you anticipate Central Banks to Act?

Investors can use the yield curve to make fixed income investment decisions depending on their view on how yield curve shape will change over time. BMO ETFs offers a comprehensive fixed income line up across the term spectrum to help investors choose where they want to be on yield curve and position their portfolios accordingly. For example, investors who believe longer term interest rates may be set to fall, they can look to adding duration with exposure to long government bonds. For investors who believe that short term interest rates are set to rise, they may consider shortening their duration with perhaps shorter term government exposure.



What is your view on Inflation?

Fixed Income investments are impacted significantly due to inflation. Inflation reduces the purchasing power of income generated from a fixed income investment. As inflation rises and interest rates for existing fixed income instruments remain the same, this erodes the value of bonds leading to bond prices to decline. For investors who believe inflation will be persistently high, they may consider investing in inflation protected fixed income ETFs to protect their portfolios.



Tax Efficiency in Non-Registered Accounts

Tax is often a primary concern for investors who hold bonds in non-registered accounts.

In a taxable account the higher the coupon, the higher tax the investor will pay. Discount Bonds are issued at a lower price than its par value, since the coupon rate is lower than prevailing interest rates. The difference between the par value and its original price will be considered capital gains at maturity. From a tax perspective, by investing in lower coupon bonds, it follows that a discount bond will be more tax efficient.

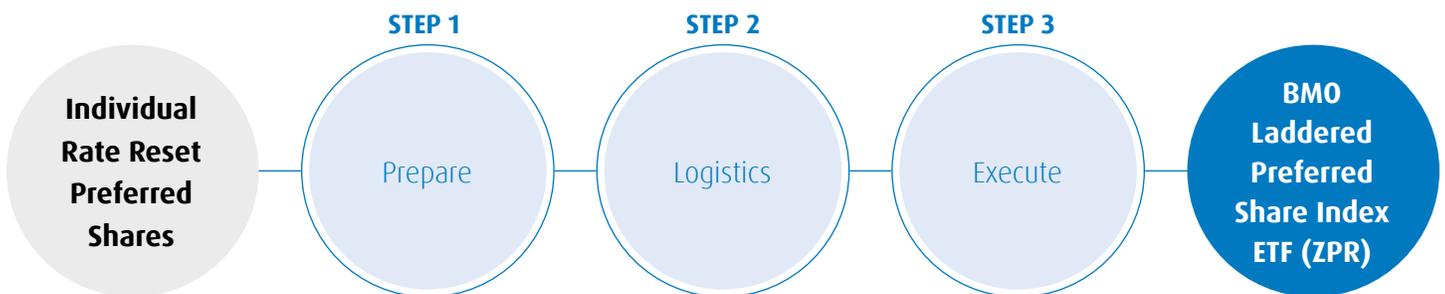


Exchange Individual Bonds & Rate Reset Preferred Shares to Utilize the Benefits of ETFs

What is the advantage?

- BMO Exchange Traded Funds (ETFs) has introduced a process in which an investor can convert their individual Canadian bonds or rate reset preferred shares for shares in a corresponding ETF. For example, Canadian short corporate bonds can easily be converted directly into shares of BMO Short Corporate Bond Index ETF (ZCS). This process enables an investor to utilize the benefits of ETFs, while providing standardization, transparency, and diversification, across client accounts.
- Relative to individual bonds and rate reset preferreds, ETFs provide significant benefits to investors. ETFs provide the ability to achieve instant diversification through a single trade. As well, ETFs provide significant liquidity benefits for investors that are looking to manage a specific allocation or model across several client accounts. ETFs, at worst, will trade at bid-offer spreads that are equal to the underlying fixed income bonds or rate reset preferreds, but generally trade at significantly tighter spreads, due to the secondary liquidity that is available on the exchange. ETFs provide investors with a cost-efficient, diversified, and scalable solution for fixed income and preferreds.

Examples of the process



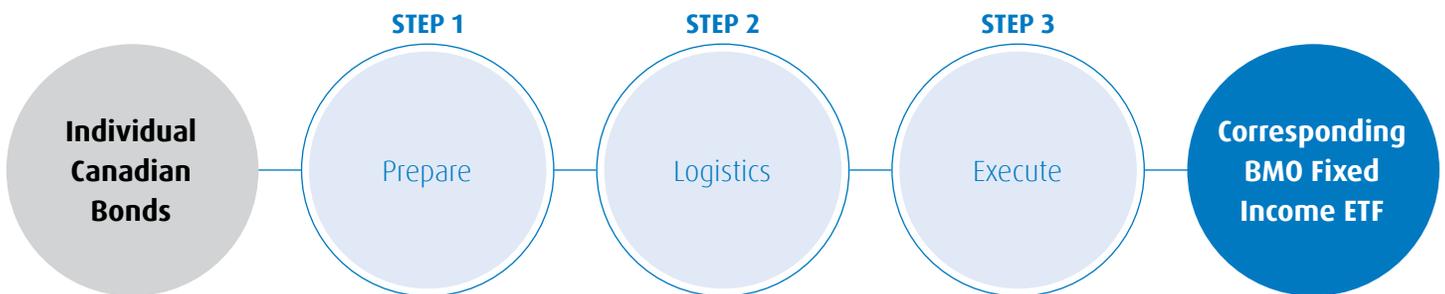
Logistics will be worked out between the ETF market maker and your retail trading desk.

Confirm logistics with your trading desk. The transaction will be worked out between the ETF market maker and your trading desk. It can be at the discretion of your trading desk.

Minimum list size for conversion is a combined \$1 Million CDN.

BMO ETFs will determine which ones can be purchased and the amount. BMO ETFs will contact you to confirm.

BMO ETFs will buy the preferred shares at the closing price and deliver units of ZPR at net asset value (NAV) plus transaction costs (approximately \$0.005 to \$0.01 to the market maker). All regular commissions apply.



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Logistics will be worked out between the ETF market maker and your retail trading desk.
Confirm logistics with your trading desk.

BMO ETFs will buy the bonds at the closing price and deliver units of the corresponding BMO Fixed Income ETF at net asset value (NAV) plus transaction costs (approximately \$0.005 to \$0.01 to the market maker). All regular commissions apply.

Other considerations?

Currency – investors typically concentrate on domestic exposures for fixed income, U.S. and global bonds can offer both diversification and currency return opportunities. Typically, investors will have a view on CAD/USD and can benefit from currency momentum. Keep in mind that adding currency risk can greatly impact the volatility of a fixed income portfolio and may lower the value of the initial investment.

Market exposure – while fixed income markets are generally correlated, as the actions of the U.S. Federal Reserve and U.S. economy have far reaching global implications, investors can still benefit from outperforming economies and understanding the sector differences across markets.

Black swan events – investors concerned about market confidence can consider adding U.S. treasuries as a flight to safety trade.

Income needs – investors needing extra income can consider a higher allocation to corporate bonds, high yield bonds, and preferred shares, understanding the different risk profiles of the exposures.

Inflation protection – investors concerned about inflation can consider Canadian real return bonds or U.S. TIPs bonds.

Pricing inefficiencies – investors may identify return opportunities or mispriced risk across segments of the yield curve, using precise exposures through short-term, mid-term and long-term ETFs.

Tax efficiency – investors in taxable accounts can consider ETFs that use derivatives or invest in lower coupon bonds.

Annual Total Return – Canadian fixed income market

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
LP 18.0	LF 5.4	LC 6.4	LC 8.8	LF 3.4	LC 14.4	LF 13.1	SC -0.5	SF -3.6	LC 12.3	MC 7.9
LF 17.5	MP 5.1	MC 4.3	LP 8.0	MF 2.4	LP 13.5	LP 11.6	SP -1.1	SP -3.6	LP 9.0	SC 7.1
LC 16.1	MF 5.1	SC 2.3	LF 2.7	SP 2.0	MC 8.4	MC 11.1	SF -1.1	SC -4.2	MC 8.5	LC 5.3
MP 9.5	LP 4.2	LP 2.3	MC 2.6	SF 1.9	LF 8.4	LC 11.1	MC -1.5	MP -9.5	LF 7.2	SP 5.2
MC 9.2	MC 4.1	AG 1.7	AG 2.5	MP 1.9	AG 6.8	MP 10.0	AG -2.5	MC -10.1	SC 6.7	MP 4.9
AG 8.8	AG 3.5	MP 1.5	MP 1.3	SC 1.8	MP 5.8	MF 9.3	MP -2.6	MF -10.8	AG 6.7	SF 4.6
MF 8.7	SP 2.9	SP 0.9	SC 1.0	AG 1.4	SC 4.6	AG 8.7	LC -2.6	AG -11.8	MP 6.4	AG 4.2
SC 3.6	SC 2.7	SF 0.1	SP 0.2	MC 1.3	MF 3.8	SC 6.3	MF -3.7	LC -18.8	MF 4.7	MF 3.2
SP 3.5	SF 2.4	MF -0.1	SF -0.6	LC -0.4	SP 3.0	SP 5.3	LP -4.6	LP -21.8	SP 4.6	LP 1.0
SF 2.5	LC 1.5	LF 0.8	MF -0.7	LP -0.6	SF 2.1	SF 4.6	LF -7.1	LF -22.7	SF 4.0	LF -1.4

SC Corporate Bonds – Short-term	SP Provincial Bonds – Short-term	SF Federal Bonds – Short-term	AG Aggregate Bond
MC Corporate Bonds – Medium-term	MP Provincial Bonds – Medium-term	MF Federal Bonds – Medium-term	
LC Corporate Bonds – Long-term	LP Provincial Bonds – Long-term	LF Federal Bonds – Long-term	

Source: Bloomberg, December 31, 2024.



For BMO ETF Fixed Income solutions please visit bmoetfs.ca

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