

# Closed-end fund Market Commentary

BlackRock®

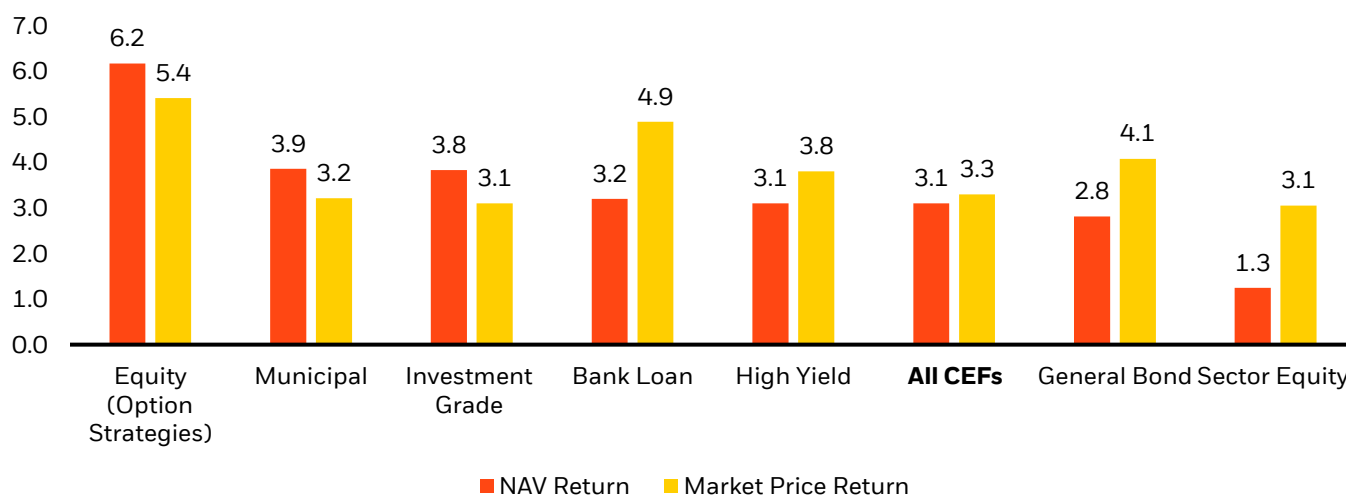
First Quarter 2023

## Closed-end fund market overview

Despite increased volatility related to regional bank instability, equities finished positive for the quarter, with the S&P 500 up 7.5% over the period<sup>1</sup>. The Federal Reserve (“Fed”) raised interest rates in January and March, but data showing inflation abating has led to the expectations the rate hike cycle is nearing an end. Longer dated yields fell over the quarter, as the 10-year treasury started the quarter at 3.79% and finished at 3.48%. Falling yields helped propel fixed income assets and the Bloomberg US Aggregate Bond Index, finished up 3.0%<sup>1</sup>.

Closed-end funds (“CEFs”) were up across almost all major categories in the first quarter, with the median CEF up 3.1% on net asset value (“NAV”) and up 3.3% on market price. Equity CEFs (option strategies) were the best performing category for the quarter, up 6.2% on NAV and up 5.4% on market price<sup>2</sup>.

## First Quarter CEF total returns % (NAV and market price)



Closed-end funds are represented by the following categories: municipal CEFs represented by the General & Insured Muni Debt Funds (Leveraged) Lipper category. High Yield is represented by the High Yield Funds (Leveraged) Lipper category, Investment Grade is represented by the Corporate BBB-Rated Debt Funds (Leveraged) Lipper category, Sector Equity is represented by the Sector Equity CEF Lipper Category, Equity (Options Strategies) is represented by the Options Arbitrage/Option Strategies Lipper Category, General Bond is represented by the General Bond Lipper category and Bank Loans is represented by the Loan Participation Funds Lipper category. “All CEFs” is the median of all the CEF categories.

Source: Lipper as of 3/31/2023. Returns are shown net of advisory fees paid by the fund and net of the fund’s operating fees and expenses. Investors who purchase shares of the fund through an investment adviser or other financial professional may separately pay a fee to that service provider. **Past performance is not indicative of future results.**

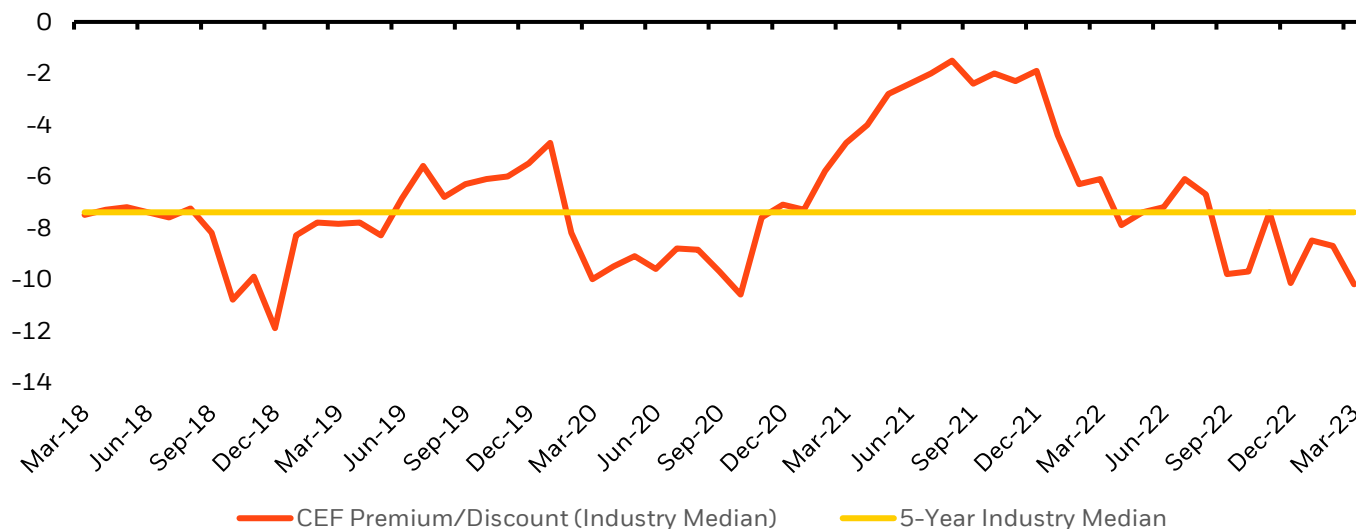
CEF discounts widened slightly over the first three months of the year by 10 basis points. The median CEF industry discount is now -10.2%, wider than the 5-year median of -7.4%. Discounts, which are largely driven by market sentiment remain wide relative to historical levels. On the fixed income side, investors are wary of the impact of continued increases in short-term rates to distributions. We have already seen a number of distribution reductions in the municipal space this year given rising leverage costs. On the equity side, investors have been cautious about allocating to growth sectors and continue to trade at wide discounts given market uncertainty.

<sup>1</sup> Source: Morningstar as of 3/31/2023

<sup>2</sup> Source: Lipper as of 3/31/2023

[blackrock.com](https://www.blackrock.com)

## 5-Year Industry CEF Premium/Discounts



Source: Lipper as of 3/31/2023. Includes entire CEF universe and uses the median premium/discount.

### Municipal<sup>3</sup>

Municipal bonds were up in the first quarter despite continued volatility in fixed income markets. Municipal CEFs, which are typically longer duration funds, were positive for the quarter aided by falling interest rates. The median municipal CEF was up 3.9% on NAV and up 3.2% on market price over the quarter.

Municipal CEF discounts widened over the first quarter by 140 basis points, finishing at a median of -10.5%. Discounts in the space remain elevated compared to their 5-year median of -7.4%. We believe investors remain focused the impact of rising short-term interest rates on Muni CEF distributions. Because Muni CEFs borrow at short term interest rates and typically invest in Muni bonds with longer maturities, a flatter yield curve (i.e. narrower spread) may negatively impact the earnings of a leveraged CEF. Over the past year, leverage costs have increased sharply as the Fed has rapidly raised short-term interest rates by 5%. The SIFMA Municipal Swap Index, a common base rate used to calculate municipal CEF leverage costs, currently sits a 3.97%, which is 295 basis points higher than the 5-year average rate of 1.02%<sup>4</sup>. This increase has led to distribution reductions across the industry as fund earnings have declined. While the municipal yield curve rarely inverts and is not nearly as flat as the Treasury curve, this is a dynamic that investors should be aware of going forward

### Fixed income<sup>3</sup>

Bond\* returns were positive in the first quarter in the face of increased interest rate volatility. The Fed increased short-term rates by 25bps in January and again by 25bps in March. Long-term yields moved lower for the quarter, sending bond prices higher. Despite credit spread volatility related to the regional banking concerns, credit CEFs finished positive for the quarter. Fixed Income CEFs were up 3.2% on NAV and up 4.0% on market price for the quarter.

Fixed income CEF discounts narrowed 100 basis points over the first quarter, finishing at a median discount of -8.9%. Discounts remain wide as investors have shied away from leveraged products in this environment. Similar to the Muni CEFs, leveraged fixed income CEFs have also seen pressure on earnings from rising leverage costs.

\*Bonds are represented by the Bloomberg US Aggregate Bond Index.

<sup>3</sup>Source: Lipper as of 3/31/2023

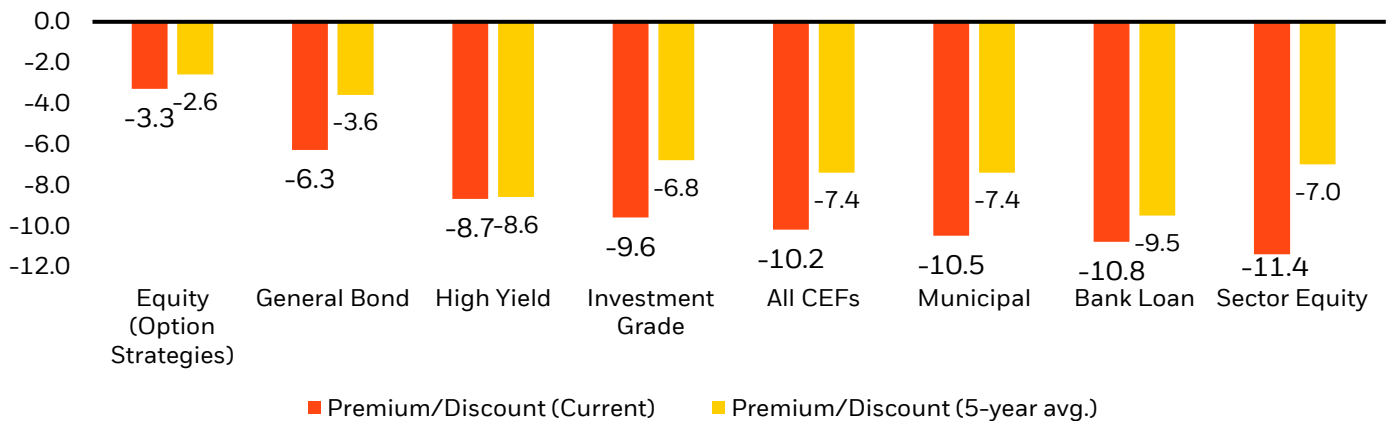
<sup>4</sup>Source: SIFMA as of 3/29/23. The SIFMA Municipal Swap Index is a 7-day high-grade market index comprised of tax-exempt Variable Rate Demand Obligations (VRDOs) with certain characteristics. The Index is calculated and published by Bloomberg. The Index is overseen by SIFMA's Municipal Swap Index Committee.

## Equity<sup>3</sup>

Equities\*\* moved higher during the first quarter in the face of elevated volatility stemming from the banking sector turmoil. The Fed raised short-term rates twice over the quarter, but improving inflation numbers has led many investors to believe that the Fed is nearing the end of their hiking cycle. Equity CEFs finished the quarter up a median of 3.7% on NAV and up 4.2% on market price.

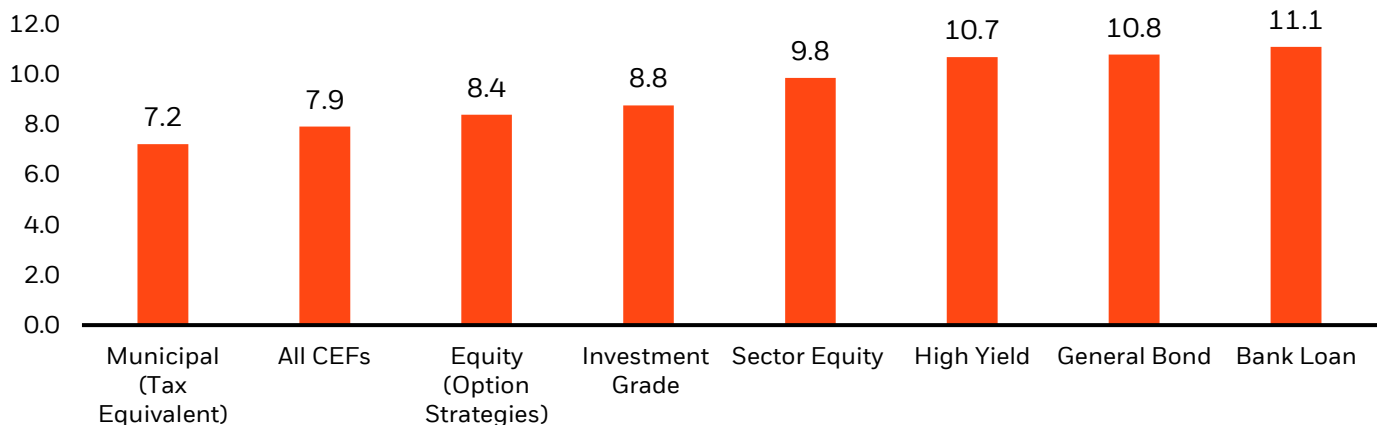
Equity (option strategies) discounts widened in the first quarter by 70 bps to finish at a median of -3.3%. Sector equity CEF discounts narrowed 280 basis points over the quarter, finishing at a median of -11.4%. Sector equity CEFs trade at some of the widest levels in the CEF market. This is likely due to investors shying away from growth sectors like technology and healthcare.

### Current Premium/Discount versus 5-Year Median as of March 31, 2023



Source: Lipper as of 3/31/2023

### Distribution Rate (% of Market Price) as of March 31, 2023



Source: Lipper as of 3/31/2023. Distribution rate is calculated by annualizing the fund's latest declared regular distribution and dividing that number by the funds market price as of the stated date. Distributions are sourced from net investment income, unless noted otherwise. Tax-Equivalent Distribution Rate calculated using a 40.8% effective tax rate.

\*\* Equities are represented by the S&P500 Index.

<sup>3</sup> Data sourced from Lipper as of 3/31/2023.

# About BlackRock

BlackRock's purpose is to help more and more people experience financial well-being. As a fiduciary to investors and a leading provider of financial technology, we help millions of people build savings that serve them throughout their lives by making investing easier and more affordable.

For additional information on BlackRock, please visit [www.blackrock.com/corporate](http://www.blackrock.com/corporate) | Twitter: @blackrock | LinkedIn: [www.linkedin.com/company/blackrock](http://www.linkedin.com/company/blackrock).

# Availability of fund updates

BlackRock will update performance and certain other data for the Funds on a monthly basis on its website in the "Closed-end Funds" section of [www.blackrock.com](http://www.blackrock.com) as well as certain other material information as necessary from time to time. Investors and others are advised to check the website for updated performance information and the release of other material information about the Funds. This reference to BlackRock's website is intended to allow investors public access to information regarding the Funds and does not, and is not intended to, incorporate BlackRock's website in this release.

**Past performance is not indicative of future results.** You cannot invest directly in an unmanaged index.

Investment return, price, yields and NAV will fluctuate with changes in market conditions. At the time of sale, your shares may have a market price that is above or below net asset value, and may be worth more or less than your original investment. There is no assurance that a fund will meet its investment objective. Closed-end fund shares are not deposits or obligations of, or guaranteed by, any bank and are not insured by the FDIC or any other agency. Investing involves risk, including possible loss of principal amount invested. This is not a prospectus intended for use in the purchase or sale of any fund's shares. Investors should review a fund's prospectus and other publicly available information, including shareholder reports, carefully before investing. Shares may only be purchased or sold through registered broker/dealers. For more information regarding any of BlackRock's closed-end funds, please call BlackRock at 800-882-0052. No assurance can be given that a fund will achieve its investment objective.

Some BlackRock CEFs may utilize leverage to seek to enhance the yield and net asset value of their common stock, through bank borrowings, issuance of short-term debt securities or shares of preferred stock, or a combination thereof. However, these objectives cannot be achieved in all interest rate environments. While leverage may result in a higher yield for the fund, the use of leverage involves risk, including the potential for higher volatility of the NAV, fluctuations of dividends and other distributions paid by the fund and the market price of the fund's common stock, among others. Certain funds may invest assets in securities of issuers domiciled outside the United States, including issuers from emerging markets. Foreign investing involves special risks, including foreign currency risk and the possibility of substantial volatility due to adverse political, economic or other developments.

Some BlackRock CEFs make distributions of ordinary income and capital gains at calendar year end. Those distributions temporarily cause extraordinarily high yields. There is no assurance that a fund will repeat that yield in the future. Subsequent monthly distributions that do not include ordinary income or capital gains in the form of dividends will likely be lower. Fund details, holdings and characteristics are as of the date noted and subject to change.

The opinions expressed are those of BlackRock as March, 2023, and are subject to change at any time due to changes in market or economic conditions. BlackRock makes no undertaking to change this document in response to such changes. These comments should not be construed as a recommendation of any individual holdings or market sectors.

**General market and credit risks:** Debt instruments are subject to credit and interest rate risks. Credit risk refers to the likelihood that an obligor will default in the payment of principal or interest on an instrument. Financial strength and solvency of an obligor are the primary factors influencing credit risk. In addition, lack or inadequacy of collateral or credit enhancement for a debt instrument may affect its credit risk. Credit risk may change over the life of an instrument and debt instrument that are rated by rating agencies are often reviewed and may be subject to downgrade. Interest rate risk refers to the risks associated with market changes in interest rates. Interest rate changes may affect the value of a debt instrument indirectly (especially in the case of fixed rate obligations or directly (especially in the case of instrument whose rates are adjustable). In general, rising interest rates will negatively impact the process of a fixed rate debt instrument and falling interest rates will have a positive effect on price. Adjustable rate instruments also react to interest rate changes in a similar manner although generally to a lesser degree (depending, however, on the characteristics of the reset terms, including the index chosen, frequency of reset and reset caps or floors, among other factors).

**Municipal market risks:** There may be less information available on the financial condition of issuers of municipal securities than for public corporations. The market for municipal bonds may be less liquid than taxable bonds. A portion of the income may be taxable. Some investors may be subject to Alternative Minimum Tax (AMT). Capital gain distributions, if any, are taxable. The Fund may utilize leveraging to seek to enhance the yield and net asset value of its common stock, as described in the Fund's prospectus. These objectives will not necessarily be achieved in all interest rate environments. The use of leverage involves risk, including the potential for higher volatility and greater declines of the Fund's net asset value, fluctuations of dividends and other distributions paid by the Fund and the market price of the Fund's common stock, among others.

**Equity market risks:** The price of equities may rise or fall because of changes in the broad market or changes in a company's financial condition—sometimes rapidly or unpredictable. These price movements may result from factors affecting individual companies, sectors or industries, such as changes in economic or political conditions. Equity securities are subject to "stock market risk" meaning that stock prices may decline over short or extended periods of time.

## Index description:

SIFMA Municipal Swap Index: 7-day high-grade market index comprised of tax-exempt Variable Rate Demand Obligations (VRDOs) with certain characteristics. The Index is calculated and published by Bloomberg. The Index is overseen by SIFMA's Municipal Swap Index Committee.

© 2023 BlackRock, Inc. or its affiliates. All Rights Reserved. BLACKROCK is a trademark of BlackRock, Inc. or its affiliates. All other trademarks are those of their respective owners.

**Prepared by BlackRock Investments, LLC, member FINRA.**

Not FDIC Insured • May Lose Value • No Bank Guarantee

# BlackRock