

# Municipal Market Weekly Update

MACKAY MUNICIPAL MANAGERS.™ THE MINDS BEHIND MUNIS.



Scan code above to listen to the Muni 360 podcast to get the latest perspectives from MacKay Municipal Managers

## Authors:

**Eric Kazatsky**  
Client Portfolio  
Manager

## When Your Yield is Not Your Yield

- Munis Outperform The Competition to Start the year
- Clearing the Air on Yield Presentations
- A Peek At 2026 Muni Cash Flows

### Relative Performance

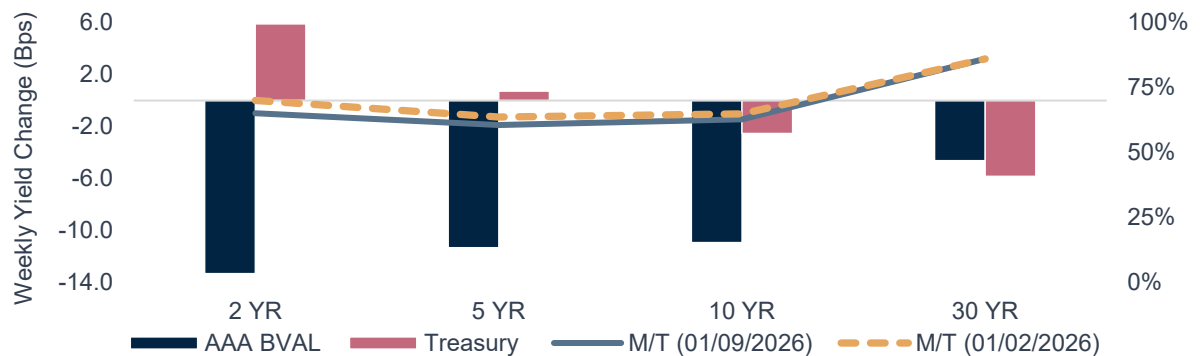
Tax-exempt yields significantly outperformed Treasuries over the past week, with municipals rallying across most of the curve while Treasury yields were mixed to higher at the front end and modestly lower further out. AAA BVAL yields declined by roughly 13 bps in 2s, 11 bps in 5s, and just under 11 bps in 10s, while the long end lagged with yields down less than 5 bps in 30s. In contrast, Treasury yields rose nearly 6 bps in 2s and were modestly higher in 5s, before declining 2–6 bps in 10s and 30s (see Figure 1).

The divergence drove meaningful muni outperformance on a relative basis, particularly in the front and intermediate portions of the curve. Muni-to-Treasury ratios richened sharply, with the 2-year ratio falling nearly five points week-over-week to 65.2%, while 5-year ratios declined just over three points to 60.6%. The 10-year ratio also moved richer, down roughly two points to 62.8%. The long end was largely unchanged, with the 30-year ratio effectively flat at 86.0%.<sup>1</sup>

From a total return perspective, municipals are also starting the year on strong footing relative to broader fixed income markets. Through January 9, the Bloomberg Municipal Bond Index is up approximately 0.7% year-to-date, outperforming many domestic and global taxable benchmarks, including the U.S. Aggregate and Global Aggregate indices, which remain modestly negative to flat over the same period. Returns in municipals have also compared favorably with Treasuries, supported by still attractive tax-exempt yields and steady reinvestment-driven demand. Taken together, the early-year performance reinforces municipals' defensive profile and underscores their relative value appeal versus both domestic and global taxable fixed income alternatives as 2026 begins.

1. Source: Bloomberg

**FIGURE 1: MUNIS OUTPERFORM<sup>2</sup>**



## Market Technicals

One of the most persistent problems in municipal investing today isn't market volatility—it's how yield is being marketed.

Investors are routinely shown yield figures that look compelling but have little connection to what they will actually earn. This is not a gray area. In the municipal market, the misuse of yield metrics—particularly current yield—has become a convenient marketing tool, especially within SMA platforms.

Current yield is simply coupon divided by price. It ignores pull-to-par, call risk, and reinvestment reality. As a result, it systematically overstates expected income and total return. Investors do not earn current yield in practice—yet it is often the headline number presented to them.

A recent market example makes this clear.



CUSIP: 650010DD0\* **new issue**

**NEW YORK STATE THRUWAY AUTHORITY**

NEW YORK ST TWY AUTH GEN REV JR INDBT OE

<b>Coupon</b>	<b>5%</b>
<b>Maturity Date</b>	<b>01/01/2028</b>
Dated Date	01/21/2026
Initial Offering Price / Yield	105.221 / 2.24%
Principal Amount at Issuance	\$36,915,000
Time of Formal Award	01/08/2026 12:10 PM
Time of First Execution	01/08/2026 03:00 PM

2. Data as of January 09, 2026. Source: Bloomberg. Spot Muni, Spot AA rates.

Past performance is no guarantee of future results, which will vary. It is not possible to invest directly in an index.

Most recently, a New York Thruway Authority bond came to market with a yield to maturity of 2.24%. Because of its coupon structure, however, the bond displayed a current yield of approximately 4.75%. An investor holding the bond to maturity would earn 2.24% annually—not 4.75%. The higher number is purely optical.<sup>3</sup>

**And yet, this is precisely the number that frequently gets emphasized.**

This is why SMA yield comparisons so often look attractive at first glance. Current yield is almost always inflated relative to realizable outcomes, particularly in callable municipal portfolios. When spending decisions are made based on those inflated figures, investors may believe they are living off income—when in reality, they are quietly spending principal.

The municipal market has long recognized this risk, which is why yield to worst (YTW) is the accepted convention. YTW reflects the most conservative economic outcome and is the yield measure that drives open-end municipal fund distribution rates. It is not designed to impress—it is designed to be earned.

By contrast, marketing portfolios based on non-conventional yield metrics creates a disconnect between expectations and outcomes. That disconnect may not show up immediately, but over time it reveals itself through disappointing income, declining principal, or both.

This is also why Morningstar does not report current yield for municipal bond funds because it is not a meaningful indicator of expected returns. In fact, Morningstar considers trailing 12-month distribution rates<sup>4</sup> a more realistic and investor-relevant measure of income.

The takeaway is simple but uncomfortable: Not all yield is created equal—and not all yield marketing is honest.

For municipal investors who depend on tax-exempt income, the question isn't which yield looks highest. It's which yield can actually be delivered without eroding capital. That answer has always been the same: yield to worst and realized distributions—not optical yield.

## Questions from the Field

### Q. How are muni cash flows to investors shaping up relative to 2025?

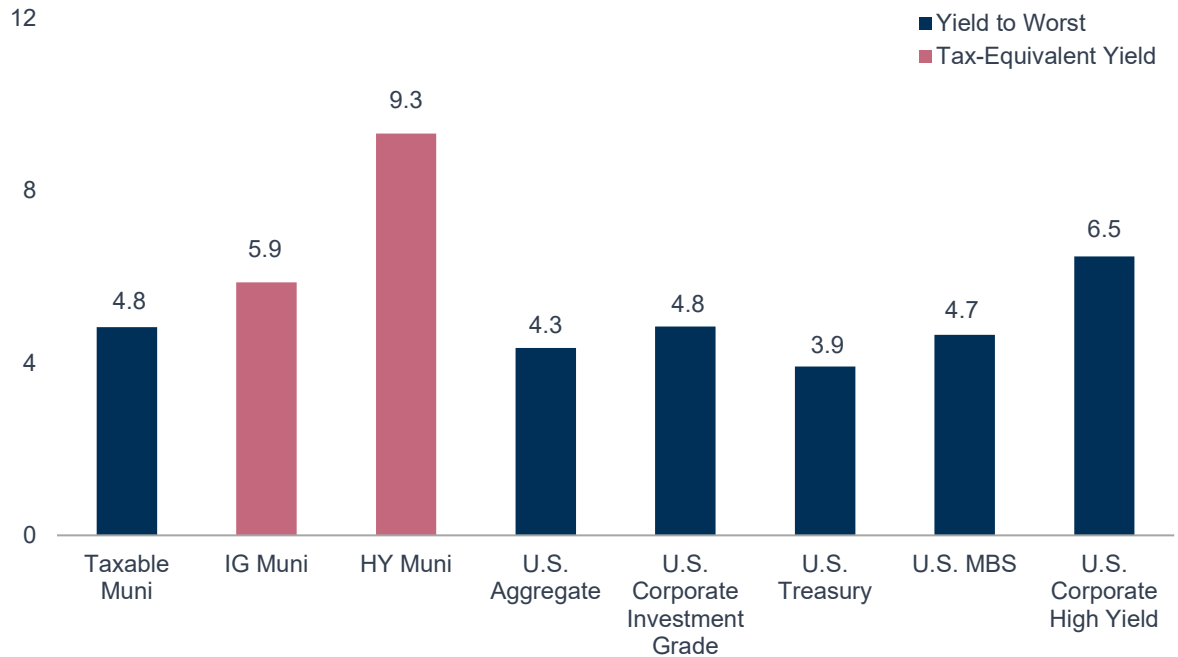
While total annual reinvestment is only modestly lower in 2026 versus 2025 at \$433 billion versus \$438 billion (source), the monthly profile break down is notably smoother. 2025 was more front-loaded, with January and February providing outsized cash flows that helped support early-year demand. By contrast, 2026 shows less January reinvestment but maintains consistently strong monthly P&I through the middle and back half of the year, with multiple months clustered in the mid- to high-\$40 billion range. This more balanced cash-flow profile should help sustain reinvestment demand beyond the first quarter and provide ongoing technical support for municipals as the year progresses.

Importantly, the composition of 2026 cash flows remains constructive. Approximately \$262 billion of principal is scheduled to come due over the year, with a substantial portion returning to the tax-exempt market, ensuring that reinvestment demand from traditional municipal buyers remains significant.

3. At the time of writing, MacKay Shields LLC maintains investments in the securities, issuers and/or companies cited herein. References to such securities, issuers and/or companies are for educational and informational purposes only, and are intended to convey factual information and current market conditions. Such names are not intended, nor should they be construed as, a recommendation to buy and sell any individual security.

4. A 12-month distribution rate in fixed income shows the income an investor received over the past year as a percentage of the fund's value, calculated by summing the last 12 months' distributions and dividing by the ending Net Asset Value (NAV).

## INDEX YIELDS (in %)<sup>5</sup>



## AA MUNI TAX-EQUIVALENT YIELD CURVE<sup>6</sup>



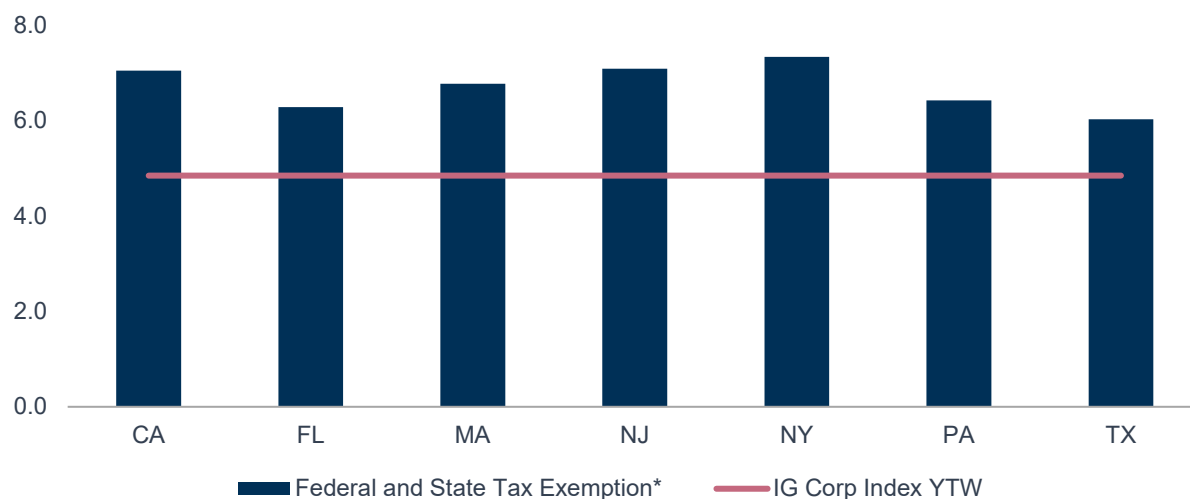
Data as of 01/09/2026.

5. Source: Bloomberg. Using 40.8% federal tax rate, including 3.8% Net Investment Income Tax. Taxable Muni: Bloomberg Taxable Municipal Bond Index; IG Muni: Bloomberg Taxable Municipal Bond Index; HY Muni: Bloomberg High Yield Municipal Bond Index; U.S. Aggregate: Bloomberg U.S. Aggregate Bond Index; U.S. Corporate Investment Grade: Bloomberg U.S. Corporate Investment Grade Index; U.S. Treasury: Bloomberg U.S. Treasury Index; U.S. MBS: Bloomberg U.S. Mortgage-Backed Securities Index; U.S. Corporate High Yield: Bloomberg U.S. Corporate High Yield Index.

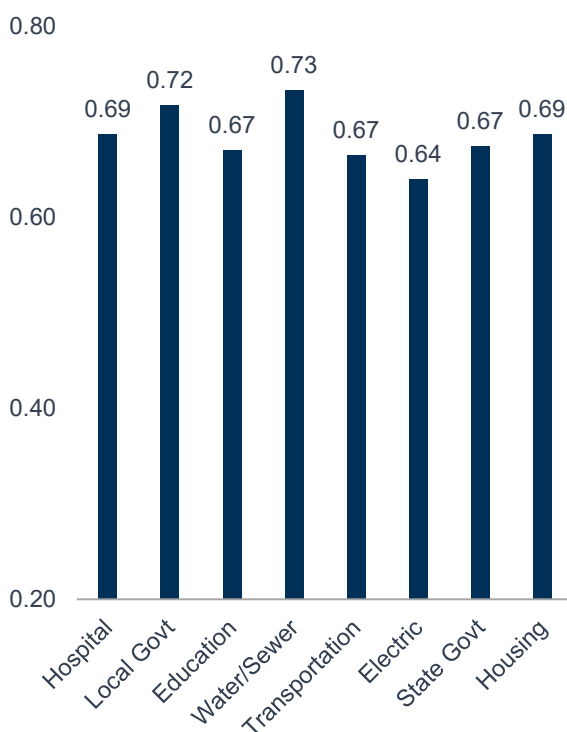
6. Source: Bloomberg. Using 40.8% federal tax rate, including 3.8% Net Investment Income Tax.

**Past performance is no guarantee of future results, which will vary. It is not possible to invest directly in an index.**

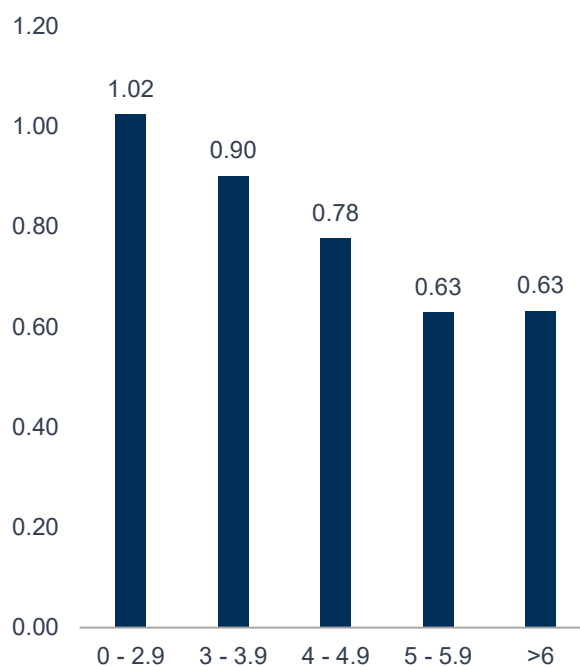
## IN-STATE MUNI TAX-EQUIVALENT YTW (in %)<sup>7</sup>



## YTD TOTAL RETURNS BY SECTOR (in %)<sup>8</sup>



## YTD TOTAL RETURNS BY COUPON (in %)<sup>9</sup>



Data as of 01/09/2026.

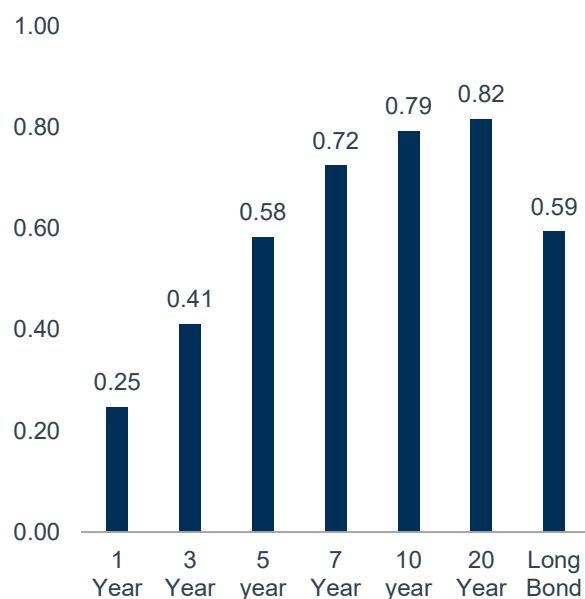
7. Source: Bloomberg. \*Using 40.8% federal tax rate, including 3.8% Net Investment Income Tax. Using respective maximum state income tax rate.

8. Source: Bloomberg.

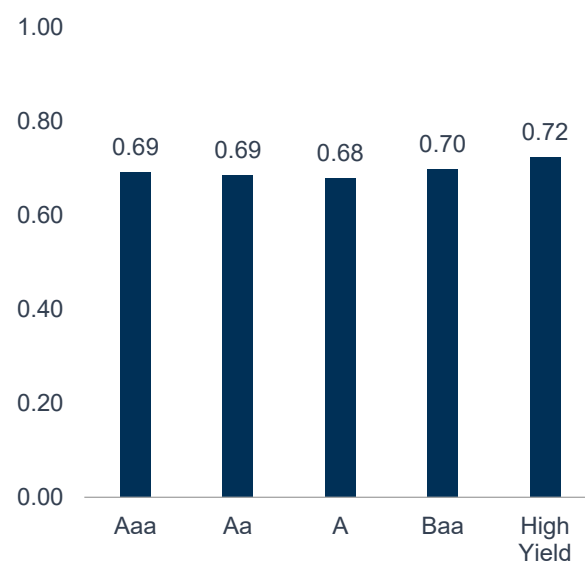
9. Source: Bloomberg.

Past performance is no guarantee of future results, which will vary. It is not possible to invest directly in an index.

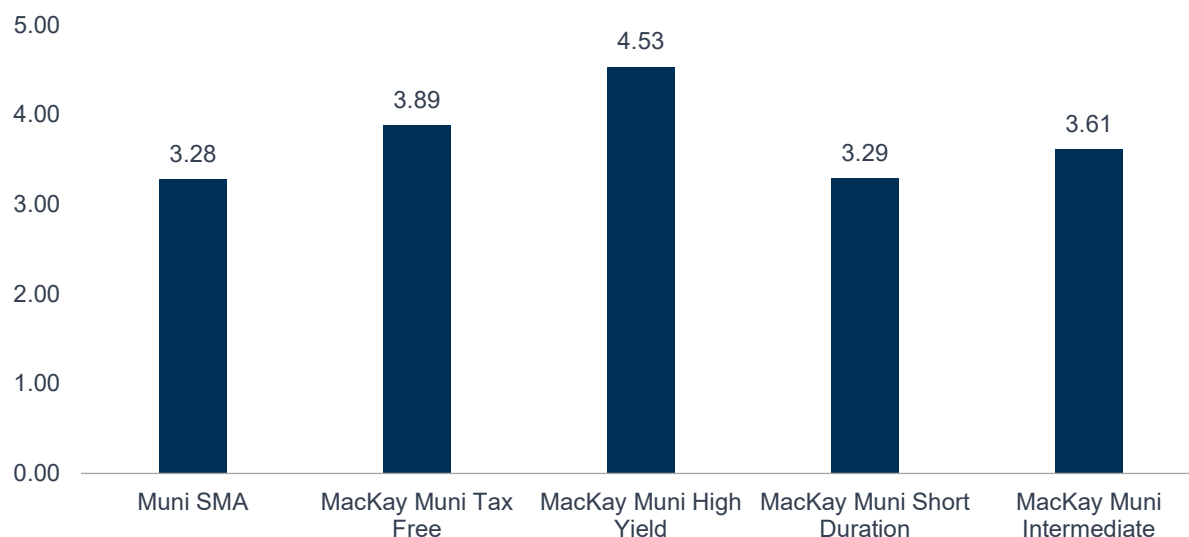
## YTD TOTAL RETURNS BY MATURITY (in %)<sup>10</sup>



## YTD TOTAL RETURNS BY RATING CATEGORY (in %)<sup>11</sup>



## COMPARATIVE YIELDS OF MUNI SMA VS MACKAY PRODUCTS (in %)<sup>12</sup>



Data as of 01/09/2026.

10. Source: Bloomberg.

11. Source: Bloomberg.

12. Source: Bloomberg.

Past performance is no guarantee of future results, which will vary. It is not possible to invest directly in an index.

## BLOOMBERG MUNICIPAL YIELD-TO-WORST<sup>13</sup> (YTW)



## MUNI YIELDS

Tenor	01/09/2026	01/02/2026	Change (+/-)
<b>Bloomberg AAA Muni Key Rate Yields<sup>14</sup></b>			
2-year	2.30%	2.43%	-0.13%
5-year	2.27%	2.38%	-0.11%
10-year	2.61%	2.72%	-0.11%
30-year	4.14%	4.19%	-0.05%
<b>U.S. Treasury Key Rate Yields<sup>14</sup></b>			
2-year	3.54%	3.47%	0.07%
5-year	3.75%	3.74%	0.01%
10-year	4.18%	4.19%	-0.01%
30-year	4.82%	4.86%	-0.04%
<b>U.S. Treasury &amp; AAA Muni Curve Slopes<sup>15</sup></b>			
	<b>2s10s</b>	<b>10s30s</b>	<b>2s30s</b>
U.S. Treasury Curve Slope	+64 bps	+64 bps	+128 bps
AAA Muni Curve Slope	+31 bps	+153 bps	+184 bps

Data as of 01/09/2026.

13. Source: Bloomberg. "Post GIFC Average" measures the period from 01/01/2010–01/09/2026.

14. Source: Bloomberg.

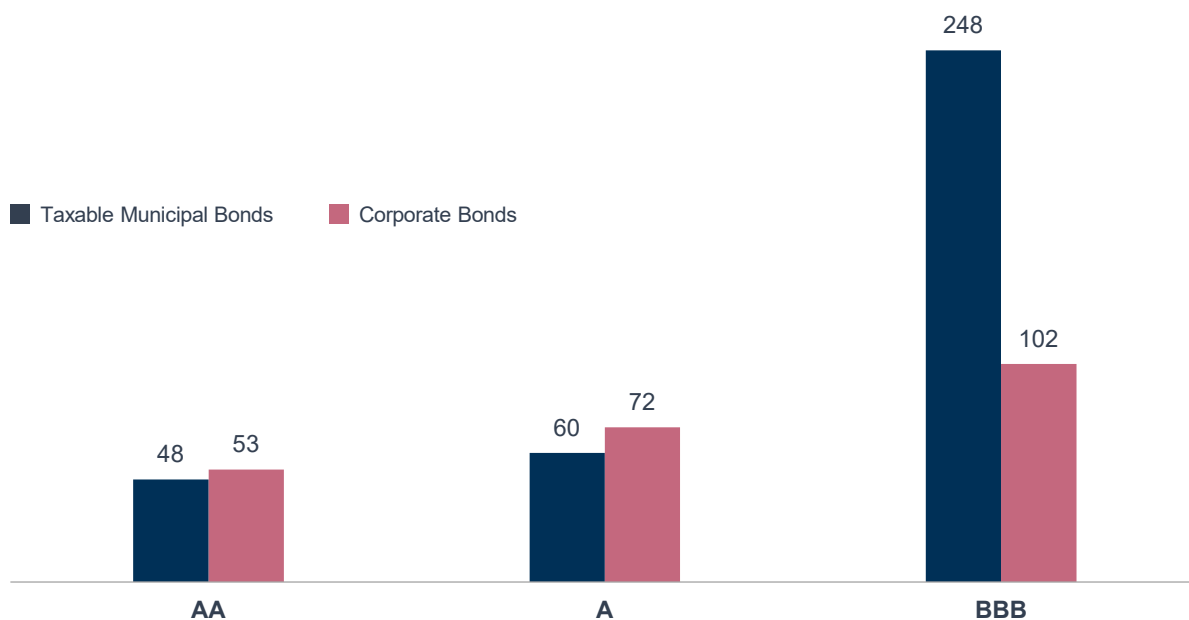
15. Source: Bloomberg. 2s10s—is spread between 10yr and 2yr yield; 10s30s—refers to spread between 30yr and 10yr yield; 2s30s—refers to spread between 30yr and 2yr yield.

Past performance is no guarantee of future results, which will vary. It is not possible to invest directly in an index.

## BLOOMBERG MUNICIPAL HIGH YIELD | AAA YIELD DIFFERENTIAL<sup>16</sup>



## TAXABLE MUNICIPAL AND CORPORATE CREDIT SPREADS<sup>17</sup>



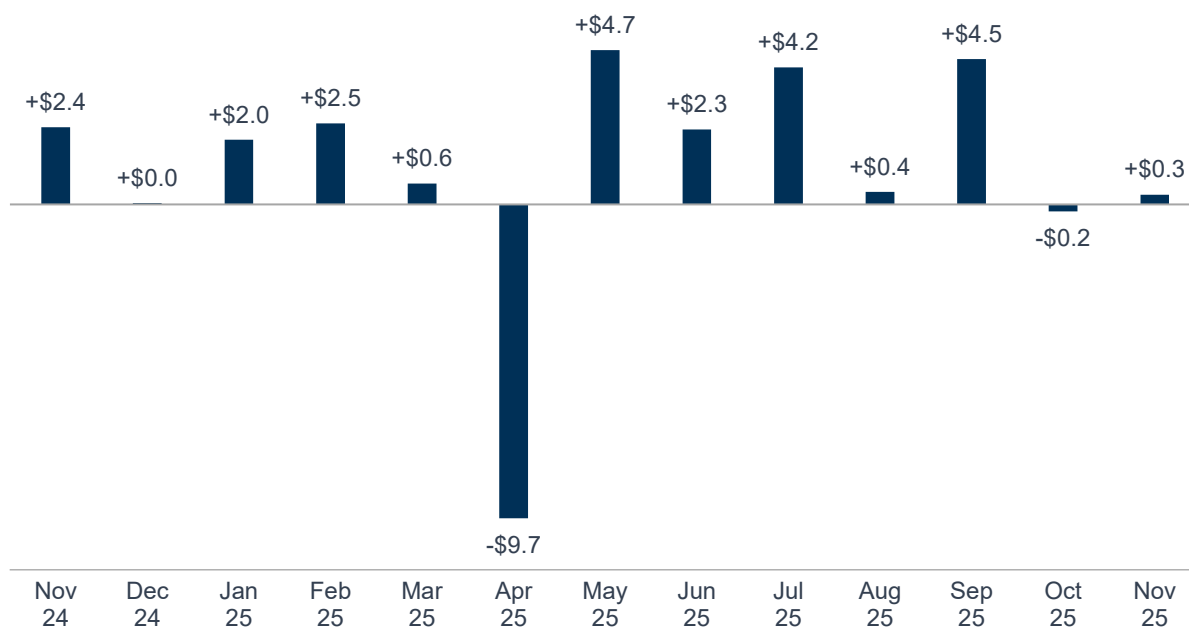
16. Data as of 01/09/2026. Source: Bloomberg.

17. Data as of 01/09/2026. Source: Bloomberg. The spread, better known as the option-adjusted spread (OAS) is the measurement of the yield of a fixed income security over that of a risk-free rate of return, which is adjusted to take into account an embedded option.

Past performance is no guarantee of future results, which will vary. It is not possible to invest directly in an index.



## LONG TERM FUND FLOWS<sup>18</sup> (USD BILLION)



Data as of 01/09/2026.

18. Source: Bloomberg.

Past performance is no guarantee of future results, which will vary. It is not possible to invest directly in an index.

## DISCLOSURES

Availability of this document and products and services provided by MacKay Shields LLC may be limited by applicable laws and regulations in certain jurisdictions and this document is provided only for persons to whom this document and the products and services of MacKay Shields LLC may otherwise lawfully be issued or made available. None of the products and services provided by MacKay Shields LLC are offered to any person in any jurisdiction where such offering would be contrary to local law or regulation. It does not constitute investment advice and should not be construed as an offer to buy securities. The contents of this document have not been reviewed by any regulatory authority in any jurisdiction. This material contains the opinions of the MacKay Municipal Managers™ team of MacKay Shields LLC but not necessarily those of MacKay Shields LLC. The opinions expressed herein are subject to change without notice. This material is distributed for informational purposes only. Forecasts, estimates, and opinions contained herein should not be considered as investment advice or a recommendation of any particular security, strategy or investment product. Information contained herein has been obtained from sources believed to be reliable, but not guaranteed. Any forward-looking statements speak only as of the date they are made and MacKay Shields assumes no duty and does not undertake to update forward-looking statements. No part of this document may be reproduced in any form, or referred to in any other publication, without express written permission of MacKay Shields LLC.

©2026, MacKay Shields LLC. All Rights Reserved.

**MacKay Shields LLC does not offer or sponsor any funds registered under the Investment Company Act of 1940, as amended ("Registered Funds"). MacKay Shields LLC serves in the capacity as investment manager of certain Registered Funds through sub-advisory arrangements.**

MacKay Municipal Managers is a trademark of MacKay Shields LLC.

MacKay Shields LLC is a wholly owned subsidiary of New York Life Investment Management Holdings LLC, which is wholly owned by New York Life Insurance Company. "New York Life Investments" is both a service mark, and the common trade name of certain investment advisers affiliated with New York Life Insurance Company. Investments are not guaranteed by New York Life Insurance Company or New York Life Investments.

**It is not possible to invest directly into an index. Past performance is not indicative of future results.**

## NOTE TO UK AND EUROPEAN UNION INVESTORS

This document is intended only for the use of professional investors as defined in the Alternative Investment Fund Manager's Directive and/or the UK Financial Conduct Authority's Conduct of Business Sourcebook. To the extent this document has been issued in the United Kingdom, it has been issued by NYL Investments UK LLP, 200 Aldersgate Street, London UK EC1A 4HD, which is authorised and regulated by the UK Financial Conduct Authority. To the extent this document has been issued in the EEA, it has been issued by NYL Investments Europe Limited, 77 Sir John Rogerson's Quay, Block C Dublin D02 VK60 Ireland. NYL Investments Europe Limited is authorized and regulated by the Central Bank of Ireland (i) to act as an alternative investment fund manager of alternative investment funds under the Alternative Investment Fund Managers Directive (Directive 2011/61/EU) and (ii) to provide the services of individual portfolio management, investment advice and the receipt and transmission of orders as defined in

Regulation 7(4) of the AIFMD Regulations to persons who meet the definition of "professional client" as set out in the MiFID Regulations. It has passported its license in additional countries in the EEA. This document only describes capabilities of certain affiliates of New York Life Investments and/or MacKay Shields LLC. No such affiliates will accept subscriptions in any funds not admitted to marketing in your country or provide services to potential customers in your country, including discretionary asset management services, except where it is licensed to do so or can rely on an applicable exemption. MacKay Shields LLC is a wholly owned subsidiary of New York Life Investment Management Holdings LLC, which is wholly owned by New York Life Insurance Company. "New York Life Investments" is both a service mark, and the common trade name of certain investment advisers affiliated with New York Life Insurance Company. Investments are not guaranteed by New York Life Insurance Company or New York Life Investments.

## NOTE TO CANADIAN RECIPIENTS

The information in these materials is not an offer to sell securities or a solicitation of an offer to buy securities in any jurisdiction of Canada. In Canada, any offer or sale of securities or the provision of any advisory or investment fund manager services will be made only in accordance with applicable Canadian securities laws. More specifically, any offer or sale of securities will be made in accordance with applicable exemptions to dealer and investment fund manager registration requirements, as well as under an exemption from the requirement to file a prospectus, and any advice given on securities will be made in reliance on applicable exemptions to adviser registration requirements.

## NOTE TO JAPANESE RECIPIENTS

This is issued by New York Life Investment Management Asia Limited (Financial Instruments Business Operator, Kanto Local Finance Bureau (FIBO) No. 2964, Member of Japan Investment Advisers Association and Type 2 Financial Instruments Firms Association) for institutional investors only. As costs and/or fees to be borne by investors vary depending on circumstances such as products, services, investment period and market conditions, the total amount nor the calculation methods cannot be disclosed in advance. All investments involve risks, including market fluctuation and investors may lose the principal amount invested. Investors should obtain and read the prospectus and/or information set forth in Article 37-3 of the Financial Instruments and Exchange Act carefully before making investment decisions

## COMPARISONS TO AN INDEX

Comparisons to a financial index are provided for illustrative purposes only. Comparisons to an index are subject to limitations because portfolio holdings, volatility and other portfolio characteristics may differ materially from the index. Unlike an index, portfolios within the composite are actively managed and may also include derivatives. There is no guarantee that any of the securities in an index are contained in any managed portfolio. The performance of an index may assume reinvestment of dividends and income, or follow other index-specific methodologies and criteria, but does not reflect the impact of fees, applicable taxes or trading costs which, unlike an index, may reduce the returns of a managed portfolio. Investors cannot invest in an index. Because of these differences, the performance of an index should not be relied upon as an accurate measure of comparison.

## SOURCE INFORMATION

“Bloomberg®”, “Bloomberg Indices®”, Bloomberg Fixed Income Indices, Bloomberg Equity Indices and all other Bloomberg indices referenced herein are service marks of Bloomberg Finance L.P. and its affiliates, including Bloomberg Index Services Limited (“BISL”), the administrator of the indices (collectively, “Bloomberg”) and have been licensed for use for certain purposes by MacKay Shields LLC (“MacKay Shields”). Bloomberg is not affiliated with MacKay Shields, and Bloomberg does not approve, endorse, review, or recommend MacKay Shields or any products, funds or services described herein. Bloomberg does not guarantee the timeliness, accurateness, or completeness of any data or information relating to MacKay Shields or any products, funds or services described herein.

All ICE Data indices referenced herein (each such index, the “Index”), are products of ICE data indices, LLC (“ICE Data”), and are used with permission. ICE® is a registered trademark of ICE Data or its affiliates, and BofA® is a registered trademark of Bank of America Corporation licensed by Bank of America Corporation and its affiliates (“BofA”) and may not be used without BofA’s prior written approval. ICE Data, its affiliates and their respective third-party suppliers disclaim any and all warranties and representations, express and/or implied, including any warranties of merchantability or fitness for a particular purpose or use, including the indices, index data and any data included in, related to, or derived therefrom. Neither ICE Data, its affiliates nor their respective third-party suppliers shall be subject to any damages or liability with respect to the adequacy, accuracy, timeliness or completeness of the indices or the index data or any component thereof, and the indices and index data and all components thereof are provided on an “as is” basis and your use is at your own risk. Inclusion of a security within an index is not a recommendation by ICE Data to buy, sell, or hold such security, nor is it considered to be investment advice. ICE Data, its affiliates and their respective third-party suppliers do not sponsor, endorse, or recommend MacKay Shields LLC, or any of its products or services.

## DEFINITION OF TERMS

### Option-Adjusted Spread

The option-adjusted spread (OAS) measures the spread between a bond’s rate and the risk-free rate, while adjusting for any embedded options like callables or mortgage-backed securities.

### Standard Deviation

Standard deviation is a statistical measurement that looks at how far discrete points in a dataset are dispersed from the mean of that set. It is calculated as the square root of the variance.

### Tax Equivalent Yield

The tax-equivalent yield is the return a taxable bond needs to equal the yield on a comparable tax-exempt municipal bond. Investors use this calculation to compare the returns between a tax-free investment and a taxable alternative.

### Tax Equivalent Yield to Worst

Tax Equivalent YTW is calculated by dividing the tax-exempt yield by one minus the marginal income tax. This is used to compare YTW on a tax-exempt investment to a taxable investment.

### Volatility

Volatility is a measurement of how varied the returns of a given security or market index are over time. It is often measured from either the standard deviation or variance between those returns. In most cases, the higher the volatility, the riskier the security.

### Yield to Worst

Yield to worst is a measure of the lowest possible yield that can be received on a bond that fully operates within the terms of its contract. It

is a type of yield that is referenced when a bond has provisions that would allow the issuer to close it out before it matures. YTW helps investors manage risks and ensure that specific income requirements will still be met even in the worst scenarios.

## INDEX DESCRIPTIONS

**Bloomberg U.S. Taxable Municipal Bond Index** is a rules-based, market-value-weighted index engineered for the long-term taxable bond market. To be included in the index, bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following ratings agencies if all three rate the bond: Moody’s, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment grade. They must have an outstanding par value of at least \$7 million and be issued as part of a transaction of at least \$75 million. The bonds must be fixed rate and must be at least one year from their maturity date. Remarketed issues (unless converted to fixed rate), bonds with floating rates, and derivatives, are excluded from the benchmark.

**Bloomberg Municipal AMT index** refers to a specific Bloomberg municipal bond index that includes bonds subject to the Alternative Minimum Tax (AMT). Unlike most municipal bond indices, which exclude AMT-subject securities, these indices contain bonds that typically offer higher yields to individuals who are subject to the AMT.

**Muni IG ex. AMT and ex Territories Index** is the Bloomberg Municipal Bond Index excluding AMT and U.S. Territory exposure.

**Bloomberg Municipal Bond Index** is a rules-based, market-value-weighted index engineered for the long-term tax-exempt bond market. To be included in the index, bonds must be rated investment-grade (Baa3/BBB- or higher) by at least two of the following agencies: Moody’s, S&P, Fitch. If only two of the three agencies rate the security, the lower rating is used to determine index eligibility. If only one of the three agencies rates a security, the rating must be investment-grade. They must have an outstanding par value of at least \$7 million and be issued as part of a transaction of at least \$75 million. The bonds must be fixed rate, have a date-date after December 31, 1990, and must be at least one year from their maturity date. Remarketed issues, taxable municipal bonds, bonds with floating rates, and derivatives, are excluded from the benchmark. The index has four main sectors: general obligation bonds, revenue bonds, insured bonds (including all insured bonds with a Aaa/AAA rating), and pre-refunded bonds. Most of the index has historical data to January 1980. In addition, sub-indices have been created based on maturity, state, sector, quality, and revenue source, with inception dates later than January 1980.

**Bloomberg 5-Year Muni Index** is a capitalization weighted bond index created by Bloomberg intended to be representative of major municipal bonds of all quality ratings with an average maturity of approximately five years.

**Bloomberg Municipal 1-10 Year Blend 1-12 Year Index** measures the performance of short and intermediate components of the Municipal Bond Index — an unmanaged, market value-weighted index which covers the U.S. investment grade, tax-exempt bond market.

**Bloomberg Municipal Long Bond 22+ Index** (often referred to as the Bloomberg Long-Term Municipal Bond Index) tracks the performance of long-term, tax-exempt U.S. municipal bonds with maturities of 22 years or longer. This index serves as a benchmark for high-quality municipal debt and covers various sectors, including general obligation, revenue, insured, and pre-refunded bonds.

## INDEX DESCRIPTIONS (continued)

**Bloomberg High Yield Municipal Bond Index** is a flagship measure of the U.S. municipal tax-exempt non-investment grade bond market. Included in the index are securities from all 50 U.S. States and four other qualifying regions (Washington DC, Puerto Rico, Guam, and the Virgin Islands). The index includes state and local general obligation bonds and revenue bonds. All bonds in the Municipal High Yield Bond Index are tax exempt and hence are not eligible for other indices that include taxable high yield bonds, such as the U.S. High Yield Index and EM USD Aggregate Index.

**Bloomberg U.S. Aggregate Bond Index** measures the performance of investment grade, U.S. dollar-denominated, fixed rate taxable bond market, including Treasuries, government-related and corporate securities, MBS (agency fixed-rate and hybrid ARM pass-throughs), ABS, and CMBS. It rolls up into other flagship indices, such as the multi-currency Global Aggregate Index and the U.S. Universal Index, which includes high yield and emerging markets debt.

**Bloomberg U.S. Corporate Bond Index** measures the investment grade, fixed-rate, taxable corporate bond market. It includes USD-denominated securities publicly issued by U.S. and non-US industrial, utility, and financial issuers. The index is a component of the U.S. Credit and U.S. Aggregate Indices, and provided the necessary inclusion rules are met, U.S. Corporate Index securities also contribute to the multi-currency Global Aggregate Index. The index includes securities with remaining maturity of at least one year.

**Bloomberg U.S. Treasury Index** measures the performance of public obligations of the U.S. Treasury, including securities that roll up to the U.S. Aggregate, U.S. Universal, and Global Aggregate Indices

**Bloomberg Securitized Bond Index** The Bloomberg U.S. Securitized: MBS, ABS, and CMBS Index tracks all USD-denominated, investment grade, securitized issues within the "Parent Index". MBS must have a weighted average maturity of at least one year. CMBS and ABS must have a remaining average life of at least one year.

**Bloomberg U.S. Municipal Bond Index Total Return Index Value Unhedged Index** covers the USD-denominated long-term tax-exempt bond market. The index has four main sectors: state and local general obligation bonds, revenue bonds, insured bonds and pre-refunded bonds

**Bloomberg U.S. Aggregate Total Return Value Unhedged Index** (LBUSTRUU:IND) is a benchmark that measures the performance of the U.S. investment-grade, fixed-rate, taxable bond market, excluding any currency hedging. It tracks a broad universe of U.S. dollar-denominated securities, including U.S. Treasuries, government-related debt, corporate bonds, mortgage-backed securities (MBS), and asset-backed securities (ABS).

**Bloomberg U.S. Treasury Total Return Unhedged Index** measures U.S. dollar-denominated, fixed-rate, nominal debt issued by the U.S. Treasury.

**Bloomberg U.S. Mortgage-Backed Securities Index** is formed by grouping the universe of individual TBA-deliverable MBS pools into pool cohorts and then applying the index inclusion rules at the cohort level. Each cohort is a representation of its mapped individual pools and contributes their total amount outstanding to the U.S. MBS Index.

**Bloomberg U.S. Corporate High Yield Index** measures the USD-denominated, high yield, fixed-rate corporate bond market. Securities are classified as high yield if the middle rating of Moody's, Fitch and S&P is Ba1/BB+/BB+ or below.

**Bloomberg Global Aggregate Bond Index** is a flagship measure of global investment grade debt from twenty-seven local currency markets. This multi-currency benchmark includes treasury, government-related, corporate and securitized fixed-rate bonds from both developed and emerging markets issuers.



INVESTMENTS