# Municipal Market Quarterly Review

First Quarter 2024

### **Municipal Market Review**

The S&P Main Municipal Bond Index (Municipal Index) fell modestly during the first quarter and returned -0.09%, following the 7.19% return in the final quarter of 2023 (Figure 1). Interest rate volatility drove prices lower as stronger-than-expected economic and inflation data pushed back expectations for policy rate cuts in 2024.

Municipal yields increased across the curve, with short-term yields rising more than intermediate and long-term yields, leading to a flatter municipal yield curve. As the policy rate outlook became incrementally less dovish, the U.S. Treasury (UST) curve also flattened, albeit to a lesser degree. (Figure 2, page 2). The shift in term structure indicated a decreased risk premium for interest rates (Figure 3, page 2). Longerdated bonds underperformed shorter-dated bonds, despite yields rising at a slower pace, due to higher interest rate sensitivity, or duration. Among quality cohorts, A-rated and BBB-rated bonds outperformed as higher yields helped offset the impact of rising rates.

Figure 1. Fixed Income Returns and Statistics As of 3/31/2024

S&P Municipal Bond Indices	Q1 2024 Return	2023 Return	Yield to Worst	Duration
Main	-0.09%	6.03%	3.70%	5.7
Intermediate	-0.24%	5.26%	3.29%	4.6
Short-Intermediate	-0.14%	3.92%	3.24%	3.0
Short	0.05%	3.34%	3.38%	1.7
General Obligation	-0.41%	5.53%	3.43%	5.4
Revenue	0.12%	6.49%	3.91%	6.2
Taxable	0.22%	7.99%	5.06%	8.0
Bloomberg Indices				
U.S. Treasury	-0.96%	4.05%	4.43%	6.0
U.S. Aggregate	-0.78%	5.53%	4.85%	6.1
U.S. Corporate	-0.40%	8.52%	5.30%	6.9

Sources: S&P Dow Jones Indices LLC, Bloomberg L.P., PNC

### **KEY THEMES**

- The Municipal Index returned -0.09% in the first quarter.
- Yields increased across the municipal curve, with short-term yields rising more than longterm yields, resulting in a flatter yield curve.
  - Municipal valuations cheapened versus USTs on a maturity-matched basis, reflected in higher Municipal-to-Treasury (MT) ratios.

Stronger-than-expected economic data and healthy fundamentals for municipalities support current credit spread levels and may warrant additional spread tightening.

On an absolute basis, municipal yields offer a compelling option for tax-sensitive investors.

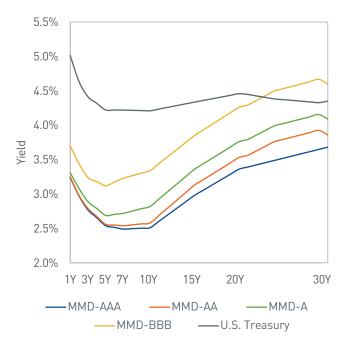
## **Quarterly Review**

Figure 2. Quarter-over-Quarter Yield Curve Change (bps) (12/31/2023 – 3/31/2024)

Maturity	AAA	AA	Α	BBB	UST
1 Year	57	57	57	57	26
2 Year	45	45	45	45	37
3 Year	40	40	40	40	40
5 Year	26	25	26	28	37
7 Year	24	25	24	24	33
10 Year	23	23	27	23	32
15 Year	21	21	21	21	28
20 Year	28	28	28	28	25
30 Year	26	26	26	26	30

Sources: Refinitive, S&P Dow Jones Indices, Bloomberg L.P., PNC

## Figure 3. Municipal Market and UST Yield Curves As of 3/31/2024



Sources: Refinitive, S&P Dow Jones Indices, Bloomberg L.P., PNC

Relative to taxable fixed income sectors, the Municipal Index outperformed the Bloomberg U.S. Treasury Index by 87 basis points (bps) in the first quarter as municipal yields rose less than Treasuries for maturities from 3 to 15 years. Municipals also outperformed the Bloomberg U.S. Aggregate Index and Bloomberg U.S. Corporate Index by 69 bps and 31 bps, respectively, partly driven by differences in indexlevel duration.

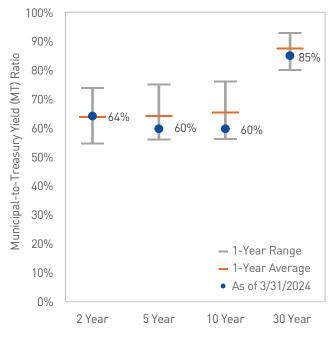
From a technical perspective, investor demand for municipals improved in the first quarter, with municipal mutual fund net inflows of \$10.4 billion compared to last quarter's outflow of \$16.6 billion. On the supply side, lower interest rates spurred a 24% increase in year-to-date municipal bond issuance compared to the same period in 2023. Only 5% of all municipal bonds issued in 2024 have been taxable compared to 18% during the same period in 2023.

### **Tax-Exempt Municipal Valuations**

Rising municipal yields resulted in slightly more attractive MT ratios for prospective tax-exempt investors. The shift in relative value was sharpest in the front-end of the yield curve as the 2-year MT ratio increased to 64% from 59%, while 5-, 10- and 30-year MT ratios increased by 1% or less. The 2-year MT ratio is now above its 1-year average, but the 5-, 10and 30-year MT ratios remain below their respective 1-year averages (Figure 4, page 3). The shift in yields makes tax-exempt municipal bonds more attractive on a tax-equivalent basis versus taxable alternatives. Assuming an estimated federal tax rate of 40.8% (37% maximum federal income tax level and 3.8% Medicare tax that may apply to some taxpayers), the tax-equivalent yield of a 10-year AAA-rated municipal bond now offers 101% of the 4.2% yield offered by the 10-year UST, up from 99% at the end of last guarter. For investors with an effective tax rate of 40.8%, taxequivalent MT ratios are now above 100% across the vield curve. Comparatively, tax-equivalent MT ratios for investors with a tax rate of 30% are below 100% prior to 16 years to maturity (Figure 5, page 3).

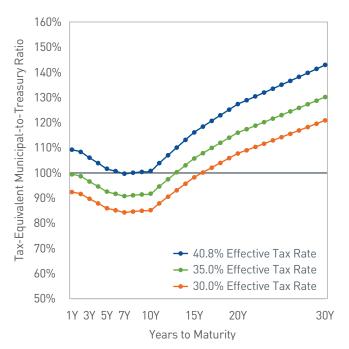
## **Quarterly Review**

Figure 4. Municipal-to-Treasury Yield Ratios As of 3/31/2024



Sources: Refinitive, S&P Dow Jones Indices, Bloomberg L.P., PNC

# Figure 5. Tax Equivalent MT Yield Ratios As of 3/31/2024



Sources: Refinitive, S&P Dow Jones Indices, Bloomberg L.P., PNC

### Taxable Municipals Outperform Tax-Exempt

The S&P Taxable Municipal Bond Index (Taxable Municipals) returned 0.22% in the first quarter, outperforming tax-exempt municipals by 31 bps despite higher index-level duration, as credit spreads tightened amid a more favorable technical environment. Taxable municipals also outperformed the Bloomberg U.S. Corporate index by 62 bps, due to a higher degree of relative credit spread tightening. As a result, yields for A-rated taxable municipal bonds yields are now largely in line with A-rated corporates across the yield curve. We believe supply-side technicals remain supportive of valuations given the 62% decrease in taxable municipal issuance year over year.

### **Municipal Credit Review**

In the first quarter, municipal credit spreads narrowed, taking a cue from the broad asset rally during the final quarter of 2023 (Figure 6, page 4). Among investmentgrade categories, A-rated bonds performed the best, followed by the BBB-rated cohort. While municipal credit spreads are at the low-end of their two-year range, incremental improvement in credit pricing could be sustainable, in our view. Corporate spreads, after diverging with municipal spreads and tightening 20 bps in the fourth quarter, have continued to narrow to postfinancial-crisis lows. As municipal investors try to keep pace, this suggests there is room for marginal credit improvement, particularly among BBB-rated bonds given historical spread dynamics.

Moody's Investors Service has yet to resolve its negative outlook for the U.S. credit rating, which the agency initiated in November 2023. The rating agency gives itself up to 18 months to decide on a subsequent action. A confirming Moody's one-notch downgrade of the UST means AAA-rated municipals would present as higher quality compared to USTs, while AA+-rated municipals would be considered equivalent from a credit quality perspective. This carries the potential to permanently impact relative valuation measures and place downward pressure on the equilibrium point of MT ratios, the traditional measure of cross-market relative value. Of note, most municipal obligor credit ratings are not anchored to the U.S. sovereign rating.

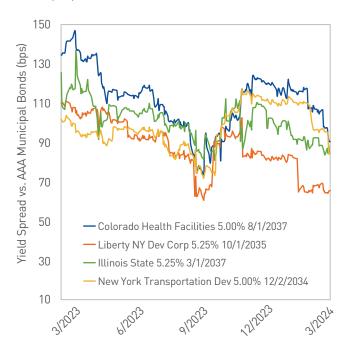
### **Looking Ahead**

We believe stronger-than-expected economic data combined with the strong fundamental position of most municipalities, supports current credit spread levels and may warrant further spread tightening. This reflects our view that better-than-anticipated economic activity and looser financial conditions have increased the chances for the economy to achieve a soft landing following an aggressive monetary policy tightening cycle.

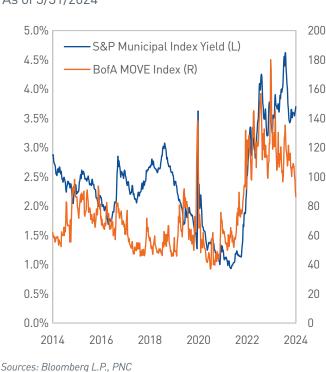
In the short term, seasonality related to tax season has historically weighed on investor demand for municipal bonds, partly due to selling associated with funding outstanding tax bills. We view any resulting spread widening as an opportunity and expect demand to normalize thereafter. Additionally, congressional brinkmanship on government funding appears to be over (for now) due to an expected appropriations package that would provide funding to government agencies through the September 30 fiscal year end.

In the long term, we remain constructive on the value proposition of tax-exempt municipals. While valuations relative to taxable alternatives remain expensive, investors in the highest tax brackets can still find value in tax-equivalent municipal bond yields. The S&P Municipal Bond Index yield remains in the 93rd percentile of weekly observations over the last 10 years (Figure 7). As such, long-term return expectations for the asset class remain much improved, in our view.

Figure 6. Select Tax-Exempt BBB-Rated Municipal Credit Spreads As of 3/31/2024



Sources: Bloomberg L.P., PNC



#### Figure 7. S&P Municipal Bond Index Yield & Rate Volatility As of 3/31/2024

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