

# LIMITED TERM MUNICIPAL STRATEGY

QUARTERLY FACT SHEET | 31 MARCH 22



## INVESTMENT STRATEGY

The Strategy is an actively managed diversified portfolio of municipal bonds with an average maturity of less than 5 years and average duration range of 3 to 4.5 years. All bonds are investment grade at time of purchase. The Strategy applies a relative value framework, focusing on fundamentals and valuations to identify inefficiencies in the market. Team members are responsible for credit research, portfolio construction, trading, and risk oversight and have the flexibility to source ideas across sector, geography, and issuer. The Strategy maintains exposure across the maturity spectrum in order to manage duration, hedge against interest rate fluctuations, and limit taxable events.

## PORTFOLIO MANAGERS

**David Ashley, CFA**  
Began with firm in 2011.  
Industry experience since 2008.

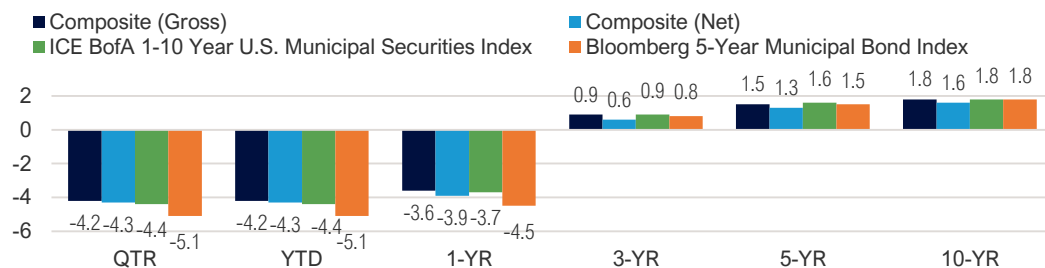
**Eve Lando**  
Began with firm in 2019.  
Industry experience since 2001.

**John Bonnell, CFA**  
Began with firm in 2021.  
Industry experience since 1989.

Supported by the entire Thornburg investment team.

## INVESTMENT RESULTS

### ANNUALIZED RETURNS (%)



### CALENDAR YEAR RETURNS (%)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Composite (Gross)	3.85	0.52	3.77	2.31	-0.01	3.04	1.58	4.62	3.65	0.46
Composite (Net)	3.56	0.25	3.49	2.04	-0.28	2.77	1.31	4.33	3.38	0.20
ICE BofA 1-10 Year U.S. Municipal Securities Index	2.98	0.16	3.58	2.12	-0.05	2.83	1.69	5.28	3.81	0.48
Bloomberg 5-Year Municipal Bond Index	2.97	0.81	3.19	2.43	-0.39	3.14	1.69	5.45	4.29	0.34
Excess Return (Gross) vs. ICE BofA 1-10 Year U.S. Municipal Securities Index	0.86	0.35	0.20	0.19	0.03	0.21	-0.11	-0.66	-0.16	-0.02
Excess Return (Gross) vs. Bloomberg 5-Year Municipal Bond Index	0.88	-0.29	0.59	-0.13	0.38	-0.10	-0.11	-0.83	-0.65	0.12

In US\$ terms. Returns may increase or decrease as a result of currency fluctuations. Periods less than one year are not annualized.

Performance data for the Limited Term Municipal Strategy is from the Limited Term Municipal Composite, inception date of 1 January 1985. The Limited Term Municipal Composite includes all discretionary accounts invested in the Limited Term Municipal Strategy. Returns are calculated using a time-weighted and asset-weighted calculation. Returns reflect the reinvestment of income and capital gains. Periods less than one year are not annualized. Individual account performance will vary. The performance data quoted represents past performance; it does not guarantee future results. Gross of fee returns are net of transaction costs. Net of fee returns are net of transaction costs and investment advisory fees. For periods prior to 2011, net returns for some accounts in the composite also reflect the deduction of administrative expenses. Thornburg Investment Management Inc.'s fee schedule is detailed in Part 2A of its ADV brochure. Performance results of the firm's clients will be reduced by the firm's management fees. For example, an account with a compounded annual total return of 10% would have increased by 159% over ten years. Assuming an annual management fee of 0.75%, this increase would be 142%.

## STRATEGY PROFILE

### BENCHMARK

ICE BofA 1-10 Year U.S. Municipal Securities Index  
Bloomberg 5-Year Municipal Bond Index

### eVESTMENT UNIVERSE

U.S. Municipal Fixed Income – Short Duration

### MATURITY

Dollar-weighted average maturity normally less than 5 years  
Maximum Bond Maturity: 10 years

### DURATION

Dollar-weighted average duration is normally less than 5 years

### CREDIT QUALITY

All purchases must be investment grade at the time of purchase

### HOLDINGS INFORMATION

15-30 bonds (account size dependent)  
0-5% individual position limit

### EXPECTED TURNOVER RANGE

No minimum or maximum  
Average annual range: 15-40%

### CASH EXPOSURE

0-10% under normal market conditions  
Average Range: 1-3%

### ISSUER EXPOSURE

0%-5%

### SECTOR EXPOSURE

No stated limit.  
Under normal market conditions, no more than 25% of the portfolio will be invested in any one sector.

### INDUSTRY EXPOSURE

No stated limit.  
Under normal market conditions, no more than 25% of the portfolio will be invested in any one industry.

## AVAILABLE VEHICLES

Separate Accounts  
U.S. Mutual Fund  
Retail Managed Accounts

\*Includes U.S. Mutual Fund, Separate Accounts and Institutional Accounts.

# PORTFOLIO CHARACTERISTICS

## RISK STATISTICS

(GROSS VS. ICE BOFA 1-10 YEAR U.S. MUNICIPAL SECURITIES INDEX)

	3-YR	5-YR
Beta	0.84	0.84
Standard Deviation	2.66%	2.29%
Correlation	0.99	0.99
Up Capture	85.95%	87.19%
Down Capture	84.22%	82.06%

Past performance does not guarantee future results.

## PORTFOLIO STATISTICS

## REP. ACCT.

Average Effective Maturity	4.0 Yrs
Average Effective Duration	3.4 Yrs
Average Credit Quality	AA-
Weighted Average Coupon	4.4%
Yield to Worst	2.0%
Weighted Average Price	\$108.0

(GROSS VS. BLOOMBERG 5-YEAR MUNICIPAL BOND INDEX)

	3-YR	5-YR
Beta	0.74	0.74
Standard Deviation	2.66%	2.29%
Correlation	0.98	0.98
Up Capture	79.86%	81.06%
Down Capture	75.23%	71.19%

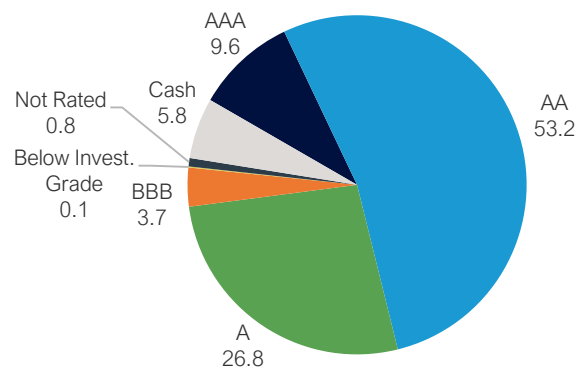
## TOP TEN SECTORS (%)

Local General Obligation	14.1
Hospital	8.6
Appropriation	8.0
Gas	7.8
School District General Obligation	7.6
State General Obligation	7.5
Dedicated Tax	7.0
School District - App	5.2
Water/Sewer	4.7
Other Transportation	4.2

## TOP TEN STATES (%)

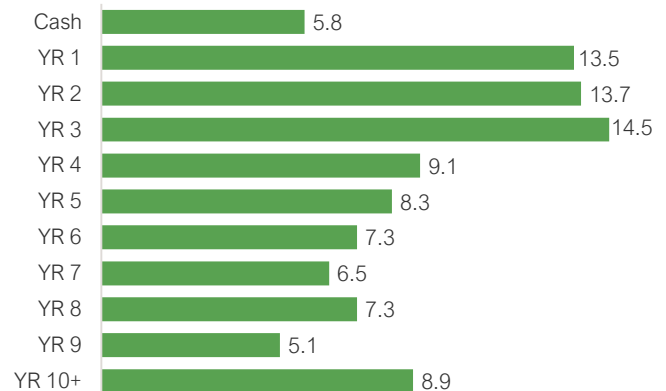
Texas	13.6
Pennsylvania	7.2
Illinois	6.0
New York	6.0
Florida	5.9
California	4.1
Georgia	3.5
New Jersey	3.4
Ohio	3.2
Washington	3.2

## CREDIT QUALITY RATINGS (%)†



† A bond credit rating assesses the financial ability of a debt issuer to make timely payments of principal and interest. Ratings of AAA (the highest), AA, A, and BBB are investment grade quality. Ratings of BB, B, CCC, CC, C and D (the lowest) are considered below investment grade, speculative grade, or junk bonds. Credit quality ratings use the highest rating available from either S&P Global Ratings or Moody's Investors Service. Where neither rating is available, we have used ratings from other nationally recognized statistical rating organizations (NRSROs). "NR" = Not Rated.

## MATURITY BREAKDOWN (%)



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\*Includes assets under management (\$44.2B) and assets under advisement (\$1.7B).

## IMPORTANT INFORMATION

Source: FactSet, Investortools Perform and Thornburg. Unless otherwise noted, all data is as of 31 March 22.

Investments in the Strategy carry risks, including possible loss of principal. Carefully consider the Strategy's investment objectives, risks, and expenses before investing. There is no guarantee that the portfolio will meet its investment objectives.

Portfolio holdings and characteristics shown herein are from a representative account managed within the investment composite. The representative account is selected based on account characteristics that Thornburg believes accurately represent the investment strategy as a whole. Should these characteristics change materially, Thornburg may select a different representative account. Holdings may change daily and may vary among accounts, which may contribute to different investment results. The representative account information is supplemental to the strategy's composite and GIPS compliant presentation.

Diversification does not assure or guarantee better performance and cannot eliminate the risk of investment losses. The laddering strategy does not assure or guarantee better performance than a non-laddered portfolio and cannot eliminate the risk of investment losses. Portfolio characteristics are derived using currently available data from independent research resources that are believed to be accurate. Portfolio attributes can and do vary. Cash may also include cash equivalents and currency forwards.

The ICE BofA 1-10 Year US Municipal Securities Index is a subset of the ICE BofA U.S. Municipal Securities Index including all securities with a remaining term to final maturity less than 10 years.

The Bloomberg 5-Year Municipal Bond Index covers USD-denominated, investment-grade, tax-exempt bonds with maturities between four and six years. The index has four main sectors: state and local general obligation bonds, revenue bonds, insured bonds, and prerefunded bonds.

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Portfolio construction will have significant differences from that of a benchmark index in terms of security holdings, industry weightings, asset allocations and number of positions held, all of which may contribute to performance, characteristics and volatility differences. Investors may not make direct investments into any index.

Weighted Average Coupon is a weighted average of the underlying coupon interest rates of mortgage loans or other loans backing asset-backed securities or mortgage-backed securities, as of the issue date, using the balance of each mortgage as the weighting factor.

Average price is the mean price of an asset or security observed over some period of time. It is calculated by finding the simple arithmetic average of closing prices over a specified time period.

Average Effective Maturity – Weighted average of the effective maturities of the bonds in a portfolio. Effective maturity incorporates the embedded option features of the bond, such as prepayments, call and put options.

Effective Duration – A bond's sensitivity to interest rates, incorporating the embedded option features, such as call provisions. Bonds with longer durations experience greater price volatility than bonds with shorter durations.

Yield to worst – A measure of the lowest possible yield that can be received on a bond that fully operates within the terms of its contract without defaulting.

Beta – A measure of market-related risk. Less than one means the portfolio is less volatile than the index, while greater than one indicates more volatility than the index.

Standard Deviation – A measurement of dispersion around an average which, for a mutual fund, depicts how widely the returns varied over a certain time period. Higher standard deviation of returns indicates greater volatility.

Correlation – Measurement of the degree to which two variables move together. A correlation coefficient of 1 (the highest) would indicate the returns of the mutual funds and/or indices move in the same direction to equal degrees. A correlation of 0 indicates that there is no relationship between returns. And a correlation of -1 (the lowest) would indicate the performance moved in opposite directions by equal amounts.

All MPT statistics (alpha, beta, and R-squared) are based on a least-squared regression of the portfolio return over Treasury bills (called excess return) and the excess returns of the benchmark.

Average credit quality is a weighted average of all credit ratings in the portfolio. The average is calculated by Thornburg Investment Management, Inc. using NRSRO ratings. Unrated securities are assigned a value below C and above D. Cash and U.S.-backed securities are given a value equivalent to AAA.

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