

1-15 Year Municipal Ladder

Marketing communication | As of 31 Mar 2023

Strategy description¹

1-15 Year Municipal Ladder seeks to provide tax-efficient current income from a portfolio of municipal bonds that will typically be held to maturity or are sold as they reach the portfolio's minimum maturity.

At-a-glance

Benchmark	Bloomberg Municipal Managed Money Intermediate (1-17 Year) Index
Number of positions range	8 – 15
Maturity range (years)	1 – 15
Credit quality range	AAA to A
Average credit quality target	AA
Maximum position exposure (at time of purchase)	15%

Investment process

Fundamental credit research is the foundation of the investment process. The municipal team considers economic outlook, credit analysis, trading and yield curve analysis when determining overall investment strategy. Targets and guidelines are developed for duration, yield curve positioning, security structure, sectors and credit quality. Portfolio managers construct portfolios through close collaboration with the credit research analysts and traders.

Customization²

- State portfolios (select states)
- AMT restrictions
- Tax awareness

¹These strategies do not utilize the opportunistic and more active trading approach found in certain other Nuveen municipal bond strategies. The laddered bonds will typically be held to maturity in the absence of material credit events, contributions/withdrawals and calls. Nuveen will purchase individual bonds that are given equal weight, with differing maturities across the specified strategy maturity range. The maturity range is typically segmented into 1-2 year ranges ("rungs") in which Nuveen will purchase bonds creating a "ladder" of individual bonds. It will be approximately 7-14 rungs for the 1-15 years. As bonds mature (or are called) and cash is generated in the account, Nuveen will purchase additional bonds in the longest available rung within the strategy's bond maturity range.

²These portfolios may not lend themselves to certain types of customizations, including but not limited to: sector restrictions, requests to replace individual bonds and certain client trading such as tax sales.

Average annualized total returns (%)

	Inception date	QTD	YTD	1 year	3 years	5 years	10 years	Since inception
Gross	01 Oct 12	2.05	2.05	1.16	0.10	1.84	1.93	1.89
Net	01 Oct 12	1.73	1.73	-0.10	-1.14	0.58	0.66	0.62
Benchmark		2.73	2.73	1.86	0.28	2.14	2.20	2.13

Performance data shown represents past performance and does not predict or guarantee future results. Performance shown is based on the composite. The value of the portfolio will fluctuate based on the value of the underlying securities. Individual returns may vary based on factors such as the account type, market value, cash flows and fees. Current performance is preliminary and may be higher or lower than the performance shown. Final numbers are available upon request. Total returns for a period of less than one year are cumulative.

Investment specialist

Nuveen offers a comprehensive range of investment capabilities across income, equity, alternatives and multi-asset solutions. Our differentiated approach is informed by more than 120 years of investing to help achieve client outcomes and five decades of leadership in responsible investing. Investment teams focus on delivering long-term results and managing risk for clients by drawing upon integrated research and risk-management processes, depth of resources, diverse capabilities and market access.

Portfolio management

Team managed | 33 years average industry experience

Portfolio statistics

	Portfolio	Benchmark
Duration (years)	4.34	5.37
Average effective maturity (years)	7.41	8.76
Yield to maturity (%)	2.98	2.93
Yield to worst (%)	2.57	2.64

Credit quality (%)

	Portfolio	Benchmark
AAA	38.8	34.5
AA	55.1	65.3
A	4.0	0.0
BBB	0.0	0.0
Other/Not rated	2.1	0.2

Credit quality ratings shown are the highest rating given by one of the following national rating agencies: S&P, Moody's or Fitch. Credit ratings are subject to change. AAA, AA, A, and BBB are investment grade ratings; BB, B, CCC/CC/C and D are below-investment grade ratings. U.S. government securities, if owned by the strategy, are included in the U.S. Treasury/Agency category (included only if applicable). Holdings designated NR are not rated by these national rating agencies.

Sector allocation (%)

	Portfolio	Benchmark
General obligation		
Local general obligation	35.9	24.0
State general obligation	8.1	22.9
Revenue		
Water & sewer	12.5	10.9
Education	10.3	6.9
Special tax	8.8	14.5
Leasing	7.5	7.7
Transportation	4.6	7.4
Hospital	4.0	0.0
Electric	2.5	4.1
Housing	1.0	0.0
Resource recovery	0.0	0.0
IDR/PCR	0.0	0.3
Prerefunded	2.8	1.4
Other	2.1	0.0

IDR/PCR: Industrial development revenue bonds and pollution control revenue bonds.

Data source: Nuveen, tabulated using Perform SMA by Investortools, Inc. customized for Nuveen. Data shown excludes cash. Based on the Bloomberg Municipal Bond Index categories. Characteristics have been determined based on the composite and represent all accounts that are: at least 45 days old as of the end of the previous quarter; have a market value of at least \$100,000; and have an allocation to cash less than or equal to 5%.

1-15 Year Municipal Ladder Advisor Sponsored

Year	Calendar year total return (net of fees) (%)	Calendar year total return ("pure" gross of fees) (%)*	Benchmark return (%)	Composite 3-year standard deviation (%)	Benchmark 3-year standard deviation (%)	Number of accounts	Composite internal dispersion (%)	Composite assets at period end (\$ millions)	Firm assets at period end (\$ billions)
2022	-7.26	-6.09	-7.22	4.96	6.13	327	0.79	332.1	247.0
2021	-1.04	0.21	0.38	3.11	3.69	345	0.22	307.3	296.1
2020	3.32	4.61	5.70	3.19	3.70	347	0.59	301.5	239.7
2019	5.08	6.40	7.10	2.33	2.59	334	0.39	298.5	209.1
2018	-0.06	1.20	1.22	3.50	3.63	294	0.22	234.0	176.2
2017	2.88	4.17	4.88	3.74	3.77	250	0.54	206.3	174.0
2016	-1.59	-0.35	-0.27	3.44	3.59	136	0.28	96.6	155.4
2015	1.98	3.26	3.40	2.96	3.29	47	0.39	36.4	140.7
2014	5.10	6.41	6.83	N/A	N/A	13	0.40	8.8	134.6
2013	-3.08	-1.86	-1.85	N/A	N/A	</= 5	N/A	6.8	117.0

Current benchmark: Bloomberg Municipal Managed Money Intermediate (1-17 Year) Index

* "Pure" gross-of-fees returns are supplemental to net returns.

** Partial period starting 01 Oct 2012

1 Nuveen Asset Management, LLC ("NAM") claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Nuveen Asset Management has been independently verified for the periods 01 Jan 1993 through 31 Dec 2020. The verification reports are available upon request. A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.

2 Nuveen Asset Management, LLC ("NAM") is a registered investment adviser under the Investment Advisers Act of 1940, as amended, and a subsidiary of Nuveen, LLC. Registration does not imply a certain level of skill or training. For the purposes of compliance with the Global Investment Performance Standards (GIPS®), the firm is defined as Nuveen Asset Management, LLC. NAM provides investment management services to a broad range of clients on a discretionary basis or non-discretionary basis. NAM offers its services either directly to clients (fee-based "direct-advisory" accounts, fee-based "institutional" accounts and "commission-based" accounts) or through broker-dealer and other financial intermediary programs (fee-based "advisor-sponsored" accounts).

3 Prior to 01 Jan 2011 the firm was defined as Nuveen Asset Management for GIPS purposes. The firm was redefined to encompass the investment management activities of a new investment adviser, NAM. NAM is the successor firm to (1) the portfolio management business of Nuveen Asset Management and (2) the long-term asset management of FAF Advisors, Inc. following an internal reorganization of Nuveen Asset Management and Nuveen Investments, Inc.'s acquisition of the long-term asset management of FAF Advisors, Inc. from U.S. Bank effective on 31 Dec 2010. NAM has complied with the portability requirements of GIPS. Effective 31 Dec 2020, Symphony Asset Management, LLC merged into NAM.

4 To receive a list of composite descriptions, pooled fund descriptions for limited distribution pooled funds, and broad distribution pooled funds, please call Ronald Stutes, MD, Perf & Investment Data Mgmt Operations, at (212) 916-4419.

5 Policies for valuing investments, calculating performance, and preparing GIPS Reports are available upon request.

6 For direct-advisory institutional accounts, returns on a gross-of-fees basis include the deduction of trading commissions and other transaction costs but not investment management fees; returns on a net-of-fees basis do include the deduction of investment management fees. For direct-advisory fee-in-lieu accounts and advisor-sponsored accounts, returns on a "pure" gross-of-fees basis do not include the deduction of trading commissions, other transaction costs or fees and is presented as supplemental information; returns on a net-of-fees basis do include the deduction of fees and certain other expenses in the form of a bundled fee.

7 All returns represent the reinvestment of income.

8 The composite internal dispersion is the asset-weighted standard deviation of pure gross annual returns for portfolios in the composite the entire year. The number of accounts represents the number in the composite

at year end. Composite dispersion is reported as N/A when information is not statistically meaningful due to an insufficient number of portfolios in the composite for the entire year.

9 The composite consists of fully discretionary, fee-paying advisor sponsored accounts managed according to NAM's 1-15 Year Municipal Ladder strategy. Municipal Ladder strategies seek to provide current income from a portfolio of municipal bonds that will typically be held to maturity in the absence purchasing individual bonds with differing maturities across the specified strategy maturity range. The maturity range is segmented into 1-2 year ranges ("rung") in which Nuveen will purchase bonds creating a "ladder" of individual bonds. As bonds mature (or are called) and cash is generated in the account, Nuveen will purchase additional bonds in the longest available rung within the strategy's bond maturity range. The strategy utilizes Nuveen's credit research and trading capabilities with respect to the selection and purchase (or sale) of individual bonds and ongoing monitoring, but as a ladder portfolio, does not include Nuveen's opportunistic and more active trading approach found in certain other Nuveen municipal bond strategies. Effective 01 Jan 2019, accounts with significant restrictions or custom guidelines are excluded from the composite.

10 The composite inception date is 01 Oct 2012; the composite creation date is 01 Nov 2012.

11 The composite performance has been achieved at Nuveen Asset Management.

12 The index is the Bloomberg Municipal Managed Money Intermediate (1-17 YR) component of the Managed Money index. The Bloomberg Municipal Managed Money Index is a rules-based, market-value-weighted index engineered for the tax-exempt bond market. To be included in the index, bonds must be rated Aa3/AA- or higher by at least two of the following ratings agencies: Moody's, S&P, Fitch. Benchmark returns are not covered by the report of independent verifiers.

13 The composite net-of-fees returns are calculated by deducting 1/12th of a model fee of 1.25%, which NAM reasonably believes is the maximum applicable fee, from the monthly "pure" gross-of-fee returns.

14 Results are calculated in U.S. dollars.

15 From 01 Jan 2003 through 31 Dec 2013, accounts with significant cash flows (currently defined by NAM as an external flow [either in cash and/or securities] greater than 50% of an account's beginning market value for the month) were removed from a composite for the entire quarter in which the cash flow occurred; such accounts, as well as new accounts, were given a grace period for investment (4 to 6 weeks) before they are reviewed for inclusion in a composite. Effective 01 Jan 2014, accounts with significant cash flows were removed from a composite for the entire month in which the cash flow occurred; such accounts, as well as new accounts, are given a grace period for investment (currently one to two months) before they are reviewed for inclusion in a composite; additional information regarding the treatment of significant cash flows and new accounts is available upon request.

16 The three-year annualized standard deviation measures the variability of the composite and the benchmark over the preceding 36-month period and is calculated using gross returns.

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18 **Past performance is no guarantee of future results.**

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Important information on risk

All investments carry a certain degree of risk, including possible loss of principal, and there is no assurance that an investment will provide positive performance over any period of time. An investment in any municipal portfolio should be made with an understanding of the risks involved in investing in municipal bonds, such as interest rate risk, credit risk, and market risk. The value of the portfolio will fluctuate based on the value of the underlying securities. Please contact a tax advisor regarding the appropriateness of tax-exempt investments in your portfolio. Nuveen is not a tax advisor. If sold prior to maturity, municipal securities are subject to gain/losses based on the level of interest rates, market conditions and the credit quality of the issuer. Income may be subject to the alternative minimum tax (AMT) and/or state and local taxes, based on the investor's state of residence. Income from municipal bonds held by a portfolio could be declared taxable because of unfavorable changes in tax laws, adverse interpretations by the Internal Revenue Service or state tax authorities, or noncompliant conduct of a bond issuer. Some income may be subject to state and local taxes and to the federal alternative minimum tax. Capital gains, if any, are subject to tax.

Minimum investment is \$250,000.

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Individual accounts may vary due to restrictions, substitutions and other factors. Characteristics shown are subject to change and may not equal 100% due to rounding. It is not possible to invest directly in an index.

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