

**S&P Dow Jones  
Indices**

A Division of **S&P Global**

# **S&P AMT-Free Municipal Series *Methodology***

March 2024

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# Introduction

## Index Objective

The S&P AMT-Free Municipal Series Indices measure the performance of investment-grade, tax-exempt U.S. municipal bonds maturing in specific calendar years. Index constituents are tax-exempt under the Alternative Minimum Tax (AMT). Index constituents are market-value weighted, subject to the concentration limits defined in *Index Construction*.

## Index Family

The S&P AMT-Free Municipal Series consists of a series of indices corresponding to the maturities listed below. Each index is comprised of non-callable bonds matching its respective maturity, as defined in *Eligibility Criteria*.

- 2022
- 2023
- 2024
- 2025

The S&P AMT-Free Municipal Dec Series consists of a series of indices corresponding to the maturities listed below. Each index is comprised of non-callable bonds matching its respective maturity, as defined in *Eligibility Criteria*.

- 2022
- 2023
- 2024
- 2025
- 2026
- 2027
- 2028

The S&P AMT-Free Municipal Callable-Adjusted Series consists of a series of indices corresponding to the maturities listed below. Each index is comprised of bonds matching its respective maturity and call options as per eligibility criteria.

- 2026
- 2027
- 2028
- 2029
- 2030

## Supporting Documents

This methodology is meant to be read in conjunction with supporting documents providing greater detail with respect to the policies, procedures and calculations described herein. References throughout the methodology direct the reader to the relevant supporting document for further information on a specific topic. The list of the main supplemental documents for this methodology and the hyperlinks to those documents is as follows:

Supporting Document	URL
S&P Dow Jones Indices' Fixed Income Policies & Practices Methodology	<a href="#">Fixed Income Policies &amp; Practices</a>
S&P Dow Jones Indices' Fixed Income Index Mathematics Methodology	<a href="#">Index Mathematics Methodology</a>

This methodology was created by S&P Dow Jones Indices to achieve the aforementioned objective of measuring the underlying interest of each index governed by this methodology document. Any changes to or deviations from this methodology are made in the sole judgment and discretion of S&P Dow Jones Indices so that the index continues to achieve its objective.

# Eligibility Criteria

## Eligibility Factors

### Universe.

- **S&P AMT-Free Municipal Series and S&P AMT-Free Municipal Dec Series.** Bonds that are constituents of the S&P Municipal Bond Index form the eligible universe for each series.

*For more information on the S&P Municipal Bond Index, please refer to the S&P Dow Jones Indices' S&P Municipal Bond Index Methodology available at [www.spglobal.com/spdji](http://www.spglobal.com/spdji).*

- **S&P AMT-Free Municipal Callable-Adjusted Series.** Bonds that are constituents of the S&P Municipal Bond Index, and callable bonds that meet the specific eligibility criteria defined below, form the eligible universe for this series.

**Issuer.** The bond issuer must be a U.S. state, federal district (the District of Columbia), or local government or agency such that interest on the bond is exempt from U.S. federal income taxes as well as the AMT.

Excluded from the indices are bonds issued by U.S. territories and the Commonwealth of Puerto Rico.

**Dated Date.** New additions must have a dated date later than Dec 31, 2010, to be eligible for index inclusion.

**Pricing.** Securities Evaluations | ICE Data Services must provide daily pricing on the bond.

**Investment Grade.** The bond must have a rating of at least BBB- by S&P, Baa3 by Moody's, or BBB- by Fitch (except in the case of a pre-refunded/escrowed to maturity bond). A bond must be rated by at least one of the three rating agencies in order to qualify for index inclusion. The lowest rating is used in determining if a bond is investment grade. In determining eligibility, S&P Dow Jones Indices uses the long-term rating. If the bond is insured, the insured rating is used for eligibility. If the insured rating does not qualify as investment grade, the issue rating is used to determine eligibility. Bonds pre-refunded or escrowed to maturity are considered to be Investment Grade.

**Currency.** The bond must be denominated in U.S. dollars.

**Optionality.** Non-callable issues and bonds with put options are eligible for index inclusion. Callable bonds must satisfy the following criteria for each series:

- **S&P AMT-Free Municipal Series and S&P AMT-Free Municipal Dec Series.** Callable bonds are ineligible except in the case of pre-refunded/escrowed to maturity bonds.
- **S&P AMT-Free Municipal Callable-Adjusted Series.** Callable bonds are eligible subject to the following:
  - Callable bonds with an effective maturity within the index maturity range (defined in the Maturity Range section below), and a next call date no sooner than two years prior to the index maturity year, are eligible for index inclusion.
  - Callable bonds with an effective maturity up to four years after the index maturity year, if the next call date is within the index maturity range, are eligible for index inclusion.

**Security Type.** The following bond types are specifically excluded:

- Bonds subject to alternative minimum tax (AMT)
- Bonds with Make Whole Calls
- Bonds with sinking fund provisions
- Bonds issued under SEC Rule 144A
- Commercial paper
- Derivative securities (inverse floaters, forwards, swaps)
- Notes
- Bonds classified as Bond Anticipation Notes, Tax Anticipation Notes, Revenue Anticipation Notes, and Tax & Revenue Anticipation Notes
- Taxable municipals
- Tobacco bonds
- Variable rate debt (except for known step-up/down coupon schedule bonds)

In addition to the exclusions above, the following sub-indices exclude additional security types listed below:

**S&P AMT-Free Municipal Series 2023-2025:**

- Bonds with optional redemption dates (callable provisions)
- Health care bonds
- Conduit bonds where the obligor is a for-profit institution
- Non-insured conduit bonds
- Housing bonds
- Industrial bonds

**S&P AMT-Free Municipal Dec Series 2026-2028:**

- Bonds with optional redemption dates (callable provisions)

**S&P AMT-Free Municipal Series Callable-Adjusted 2029-2030:**

- Health care bonds
- Conduit bonds where the obligor is a for-profit institution
- Housing bonds
- Industrial bonds

**Minimum Maturity Par Amount.** Bonds must have a minimum maturity par amount of US\$ 2 million to be eligible for index inclusion.

**Maturity Range.** Index maturity ranges are as follows:

- **S&P AMT-Free Municipal Series 2022-2025.** Each bond must have an inclusive maturity range of June 1<sup>st</sup> to September 1<sup>st</sup> in the respective year of its maturity. Pre-refunded bonds with pre-refunded dates that fall in this maturity range are included.
- **S&P AMT-Free Municipal Dec Series 2021-2028 and S&P AMT-Free Municipal Callable-Adjusted Series 2026-2030.** Each bond must have an inclusive maturity range of January 1<sup>st</sup> to December 1<sup>st</sup> in the respective year of its maturity. Pre-refunded bonds with pre-refunded dates that fall in this maturity range are included.

# Index Construction

## Index Calculations

The indices are market-value-weighted, except when concentration limits are breached as explained below. Securities Evaluations | ICE Data Services provides the price of each index bond. The prices used in the index calculation add the accrued interest for each bond to the price provided by Securities Evaluations | ICE Data Services.

The total return of each index is calculated by aggregating 1) the interest return, reflecting the return due to paid and accrued interest, 2) the principal return, reflecting the gains or losses due to changes in end-of-day prices and principal repayments, and 3) the reinvestment return, reflecting the reinvestment of payments relating to the maturity or pre-refunding of bonds prior to the maturity date, at the daily rate of return of the S&P National AMT-Free Municipal VRDO Index.

Questions and requests for written criteria and methodology regarding Securities Evaluations | ICE Data Services can be made by contacting ICE Data Services via email at [SE-ChallengeInquiry@TheICE.com](mailto:SE-ChallengeInquiry@TheICE.com).

*For further details regarding Index Calculations, please refer to S&P Dow Jones Indices' Fixed Income Index Mathematics Methodology.*

## Constituent Concentration Requirements

At each monthly rebalancing, no index constituent can represent more than 30% of the weight of the index, and the five highest weighted index constituents cannot account for more than 65% of the weight of the index in aggregate. Prices as of the rebalancing reference date are used in determining an index bond concentration and weights are proportionately distributed.

## Callable Bonds Concentration

For the S&P AMT-Free Municipal Callable-Adjusted Series, as the index approaches the respective maturity year, bonds with an effective maturity date after the index maturity year are subject to weight capping. The capping period will commence five years prior to the maturity year of the index. The capping period will conclude prior to the start of the index maturity year, at which time all bonds with an effective maturity date after the index maturity year will have exited the index. Only bonds with an effective maturity within the maturity year will remain in the index during the index maturity year.

Upon commencement of the capping period, bonds will be subject to capping starting with bonds that have an effective maturity date in the month furthest from the index maturity year. At each subsequent rebalancing, bonds with an effective maturity in the month furthest from the maturity year of the index that have not commenced capping will be capped. An uncapped bond will receive a factor of 1.00. The factor for bonds subject to capping will be reduced by 1/12 each rebalancing until it drops to zero weight, at which time the bond will exit the index. Please refer to the example on the following page for an illustration of the capping schedule.

## Callable Bonds Concentration Capping Schedule Example

Index: S&P AMT-Free Municipal Series Callable-Adjusted 2029 Index

Index Maturity: December 2029

Capping Period: January 2024 - December 2028

Max Effective Maturity: December 2033

	Effective Maturity Date		
	12/01/2033	11/01/2033	10/01/2033
Index Rebalance Date	01/01/2024	1.0000	No Cap
	02/01/2024	0.9167	1.0000
	03/01/2024	0.8333	0.9167
	04/01/2024	0.7500	0.8333
	05/01/2024	0.6667	0.7500
	06/01/2024	0.5833	0.6667
	07/01/2024	0.5000	0.5833
	08/01/2024	0.4167	0.5000
	09/01/2024	0.3333	0.4167
	10/01/2024	0.2500	0.3333
	11/01/2024	0.1667	0.2500
	12/01/2024	0.0833	0.1667
	01/01/2025	Drop	0.0833
	02/01/2025		Drop
03/01/2025		Drop	

	Effective Maturity Date		
	03/01/2030	02/01/2030	01/01/2030
Index Rebalance Date	10/01/2027	1.0000	No Cap
	11/01/2027	0.9167	1.0000
	12/01/2027	0.8333	0.9167
	01/01/2028	0.7500	0.8333
	02/01/2028	0.6667	0.7500
	03/01/2028	0.5833	0.6667
	04/01/2028	0.5000	0.5833
	05/01/2028	0.4167	0.5000
	06/01/2028	0.3333	0.4167
	07/01/2028	0.2500	0.3333
	08/01/2028	0.1667	0.2500
	09/01/2028	0.0833	0.1667
	10/01/2028	Drop	0.0833
	11/01/2028		Drop
12/01/2028		Drop	



# Index Maintenance

The indices are maintained in accordance with the following rules:

- Eligible bonds are added to the indices on the next rebalancing date, subject to the schedule of monthly rebalancing procedures.
- Any index bond that fails to meet any one of the eligibility factors as of the rebalance reference date is removed from the index on the next rebalancing date.
- Where an index bond is in default or misses an interest payment, the price reported by Securities Evaluations | ICE Data Services shall be used. However, the Index Committee may determine that the bond be removed from the index at a different price and may specify a price of \$0.00.
- If an index bond is no longer priced by Securities Evaluations | ICE Data Services, the last available price from Securities Evaluations | ICE Data Services is used. However, the Index Committee may determine that a different price be used. For clarity, index bonds that are no longer priced by Securities Evaluations | ICE Data Services fail to meet the pricing eligibility factor and are removed at the next rebalancing date.

## Rebalancing

The indices are reviewed and rebalanced on a monthly basis.

**Deletions.** Bonds are deleted from an index at the monthly rebalancing if the criteria for inclusion are no longer met as of the reference date.

Publicly available information, up to and including the close on the fourth business day preceding the rebalancing date (“the reference date”), is considered in the rebalancing.

Additions, deletions and other changes to the indices arising from the monthly rebalancing are published no earlier than three business days prior to the last business day of the month.

Changes are effective after the close on the last business day of the month (the rebalancing date).

Rebalancing Schedule	
Rebalancing Frequency	Monthly
Rebalancing Date	Last day of the rebalancing period (T)
Announcement Date	T minus 3
Reference Date	T minus 4

## Currency of Calculation and Additional Index Return Series

Additional currency and currency hedged versions of the indices, as well as maturity, sector, and rating-based sub-indices, may be available. For a list of available sub-indices and tickers, please refer to S&P Dow Jones Indices’ Fixed Income Index Directory available at [www.spglobal.com/spdji](http://www.spglobal.com/spdji).

*For more information on index calculation, please refer to S&P Dow Jones Indices’ Fixed Income Index Mathematics Methodology.*

## Reinvestment of Maturing Securities

As noted in *Eligibility Criteria*, each bond in a given index has an inclusive maturity range in the respective year of its maturity. Prior to the year of index maturity, redeemed bonds are represented as cash until the subsequent rebalancing. Bonds that mature or are pre-refunded in its stated maturity range in their respective year of maturity do not accrue interest past the maturity or pre-refund date. All payments related to the maturity or pre-refunding of a bond are reinvested at the daily rate of return of the S&P National AMT-Free Municipal VRDO Index for the duration of each index series.

## Base Dates and History Availability

Index history availability, base dates, and base values are shown in the table below.

Index	Launch Date	First Value Date	Base Date	Base Value
S&P AMT-Free Municipal Series 2018 Index	09/30/2009	09/30/2009	09/30/2009	100
S&P AMT-Free Municipal Series 2019 Index	09/30/2009	09/30/2009	09/30/2009	100
S&P AMT-Free Municipal Series 2020 Index	03/31/2011	11/01/2010	11/01/2010	100
S&P AMT-Free Municipal Series 2021 Index	11/01/2011	11/01/2011	11/01/2011	100
S&P AMT-Free Municipal Series 2022 Index	06/01/2012	06/01/2012	09/30/2009	100
S&P AMT-Free Municipal Series 2023 Index	03/04/2013	01/31/2013	05/31/2013	100
S&P AMT-Free Municipal Series 2024 Index	06/02/2014	06/02/2014	06/02/2014	100
S&P AMT-Free Municipal Series 2025 Index	01/02/2018	11/30/2017	11/30/2017	100
S&P AMT-Free Municipal Series Dec 2021	08/20/2015	07/31/2015	07/31/2015	100
S&P AMT-Free Municipal Series Dec 2022	08/20/2015	07/31/2015	07/31/2015	100
S&P AMT-Free Municipal Series Dec 2023	02/01/2016	12/31/2015	12/31/2015	100
S&P AMT-Free Municipal Series Dec 2024	02/01/2016	12/31/2015	12/31/2015	100
S&P AMT-Free Municipal Series Dec 2025	02/01/2016	12/31/2015	12/31/2015	100
S&P AMT-Free Municipal Series Dec 2026	02/01/2016	12/31/2015	12/31/2015	100
S&P AMT-Free Municipal Series Dec 2027	09/20/2018	12/30/2016	12/30/2016	100
S&P AMT-Free Municipal Series Dec 2028	09/20/2018	12/30/2016	12/30/2016	100
S&P AMT-Free Municipal Series Callable-Adjusted Dec 2026 Index	09/20/2018	12/30/2016	12/30/2016	100
S&P AMT-Free Municipal Series Callable-Adjusted Dec 2027 Index	09/20/2018	12/30/2016	12/30/2016	100
S&P AMT-Free Municipal Series Callable-Adjusted Dec 2028 Index	09/20/2018	12/30/2016	12/30/2016	100
S&P AMT-Free Municipal Series Callable-Adjusted 2029 Index	03/16/2023	11/30/2017	11/30/2017	100
S&P AMT-Free Municipal Series Callable-Adjusted 2030 Index	03/13/2024	11/30/2018	11/30/2018	100

# Index Governance

## Index Committee

An S&P Dow Jones Indices Index Committee maintains the indices. All committee members are full-time professionals at S&P Dow Jones Indices. Meetings are held monthly and whenever deemed appropriate.

The Committee oversees the day-to-day management of the indices, including the monthly rebalancing, determinations of intra-rebalancing changes to an index, and maintenance and inclusion policies, including additions or deletions of bonds and other matters affecting the maintenance and calculation of the indices.

In fulfilling its responsibilities, the Committee has full and complete discretion to (i) amend, apply, or exempt the application of index rules and policies as circumstances may require and (ii) add, remove, or by-pass any bond in determining the composition of an index.

The Committee may rely on any information or documentation submitted to it or gathered by it that the Committee believes to be accurate. The Committee reserves the right to reinterpret publicly available information and to make changes to the indices based on a new interpretation of that information at its sole discretion.

S&P Dow Jones Indices' Index Committees reserve the right to make exceptions when applying the methodology if the need arises. In any scenario where the treatment differs from the general rules stated in this document or supplemental documents, clients will receive sufficient notice, whenever possible.

In addition to the daily governance of indices and maintenance of index methodologies, at least once within any 12-month period, the Index Committee reviews the methodology to ensure the indices continue to achieve the stated objectives, and that the data and methodology remain effective. In certain instances, S&P Dow Jones Indices may publish a consultation inviting comments from external parties.

*For information on Quality Assurance and Internal Reviews of Methodology, please refer to S&P Dow Jones Indices' Fixed Income Policies & Practices Methodology.*

# Index Policy

## **Announcements**

Announcements of any relevant information pertaining to the indices are made after market close. Press releases are posted on S&P Dow Jones Indices' Web site at [www.spglobal.com/spdji](http://www.spglobal.com/spdji).

## **Holiday Schedule**

The indices are calculated when the Securities Industry and Financial Markets Association (SIFMA®) recommends the U.S. fixed income markets to be open.

## **Rebalancing**

The Index Committee may change the date of a given rebalancing for reasons including market holidays occurring on or around the scheduled rebalancing date. Any such change will be announced with proper advance notice where possible.

## **End-of-Day Calculation**

Index levels are calculated at the end of each business day, after market close. The current day's index levels are published via S&P Dow Jones Indices' Web site. Index levels are also posted on major quote vendors and other media outlets as noted in *Index Dissemination*.

## **Index Releases**

Index releases are issued by S&P Dow Jones Indices at the end of the business day, after market close.

## **Recalculation Policy**

For information on the recalculation policy please refer to S&P Dow Jones Indices' Fixed Income Policies & Practices Methodology.

*For information on Calculations and Pricing Disruptions, Expert Judgment and Data Hierarchy, please refer to S&P Dow Jones Indices' Fixed Income Policies & Practices Methodology.*

## **Contact Information**

For questions regarding an index, please contact: [index\\_services@spglobal.com](mailto:index_services@spglobal.com).

# Index Dissemination

Index levels are available through S&P Dow Jones Indices' website at [www.spglobal.com/spdji](http://www.spglobal.com/spdji), major quote vendors (see codes below), numerous investment-oriented websites, and various print and electronic media.

## Tickers

The table below lists headline indices covered by this document. All versions of the below indices that may exist are also covered by this document. Please refer to the [S&P DJI Methodology & Regulatory Status Database](#) for a complete list of indices covered by this document.

Index	Index Code
S&P AMT-Free Municipal Series 2022 Index	SPMUS22
S&P AMT-Free Municipal Series 2023 Index	SPMUS23
S&P AMT-Free Municipal Series 2024 Index	SPMUS24
S&P AMT-Free Municipal Series 2025 Index	SPMUS25
S&P AMT-Free Municipal Series Dec 2021	SPMUD21
S&P AMT-Free Municipal Series Dec 2022	SPMUD22
S&P AMT-Free Municipal Series Dec 2023	SPMUD23
S&P AMT-Free Municipal Series Dec 2024	SPMUD24
S&P AMT-Free Municipal Series Dec 2025	SPMUD25
S&P AMT-Free Municipal Series Dec 2026	SPMUD26
S&P AMT-Free Municipal Series Dec 2027	SPMUD27
S&P AMT-Free Municipal Series Dec 2028	SPMUD28
S&P AMT-Free Municipal Series Callable-Adjusted Dec 2026 Index	SPMDC26
S&P AMT-Free Municipal Series Callable-Adjusted Dec 2027 Index	SPMDC27
S&P AMT-Free Municipal Series Callable-Adjusted Dec 2028 Index	SPMDC28
S&P AMT-Free Municipal Series Callable-Adjusted 2029 Index	SPMDC29
S&P AMT-Free Municipal Series Callable-Adjusted 2030 Index	SPMDC30

## Index Data

Daily index level data is available via subscription.

For product information, please contact S&P Dow Jones Indices, [www.spglobal.com/spdji/en/contact-us](http://www.spglobal.com/spdji/en/contact-us).

## Web site

For further information, please refer to S&P Dow Jones Indices' Web site at [www.spglobal.com/spdji](http://www.spglobal.com/spdji).

# Appendix I – Defined Terms

**Announcement Date.** The date on which changes to the index are published, after the close of business, three business days prior to the last business day of the month.

**Business Day.** Any day U.S. municipal bonds are traded, as determined by the Securities Industry and Financial Markets Association (SIFMA®).

**Close.** The end of a calendar or business day for the purpose of calculating index values and other statistics, currently 4:00 PM New York Time.

**Effective Maturity.** For fixed income securities with a mandatory redemption, call, tender or similar event prior to the maturity date, it is the date of such future event. If no mandatory redemption, call, tender or similar event is applicable to the security, it is the maturity date.

**Eligible Bond.** A bond that meets all of the eligibility criteria, based on publicly available information as of the close of the business day preceding the announcement date.

**Index Bond.** A bond that is included in the index.

**Par Amount.** The total par or “face value” amount outstanding of an index bond or an eligible bond as determined by the Index Committee, net of partial calls, tenders and mandatory sinking fund payments.

**Rebalancing Date.** The last business day of each month, when the changes to the index published on the announcement date, become effective.

**Reference Date.** The date on which publicly available information, up to and including the close on the fourth business day preceding the rebalancing date, is considered in the rebalancing.

## Appendix II – Methodology Changes

Methodology changes since January 1, 2015, are as follows:

Change	Effective Date (After Close)	Methodology	
		Previous	Updated
Eligible Security Type	6/30/2023	<p><b>Security Type.</b> The following bond types are specifically excluded:</p> <ul style="list-style-type: none"> <li>• Bonds subject to alternative minimum tax (AMT)</li> <li>• Bonds issued by U.S. territories and the Commonwealth of Puerto Rico</li> <li>• Bonds issued under SEC Rule 144A</li> <li>• Bonds with sinking fund provisions</li> <li>• Commercial paper</li> <li>• Derivative securities (inverse floaters, forwards, swaps)</li> <li>• Non-rated bonds (except pre-refunded/escrowed to maturity bonds)</li> <li>• Notes</li> <li>• Bonds classified as Bond Anticipation Notes, Tax Anticipation Notes, Revenue Anticipation Notes, and Tax &amp; Revenue Anticipation Notes</li> <li>• Taxable municipals</li> <li>• Tobacco bonds</li> <li>• Variable rate debt (except for known step-up/down coupon schedule bonds)</li> </ul>	<p><b>Security Type.</b> The following bond types are specifically excluded:</p> <ul style="list-style-type: none"> <li>• Bonds subject to alternative minimum tax (AMT)</li> <li>• Bonds issued by U.S. territories and the Commonwealth of Puerto Rico</li> <li>• Bonds issued under SEC Rule 144A</li> <li>• Bonds with make whole calls</li> <li>• Bonds with sinking fund provisions</li> <li>• Commercial paper</li> <li>• Derivative securities (inverse floaters, forwards, swaps)</li> <li>• Non-rated bonds (except pre-refunded/escrowed to maturity bonds)</li> <li>• Notes</li> <li>• Bonds classified as Bond Anticipation Notes, Tax Anticipation Notes, Revenue Anticipation Notes, and Tax &amp; Revenue Anticipation Notes</li> <li>• Taxable municipals</li> <li>• Tobacco bonds</li> <li>• Variable rate debt (except for known step-up/down coupon schedule bonds)</li> </ul>
Eligible Security Type	08/31/2021	<p><b>Security Type.</b> The following bond types are specifically excluded:</p> <ul style="list-style-type: none"> <li>• Bonds subject to alternative minimum tax (AMT)</li> <li>• Bonds issued by U.S. territories and the Commonwealth of Puerto Rico</li> <li>• Bonds issued under SEC Rule 144A</li> <li>• Commercial paper</li> <li>• Derivative securities (inverse floaters, forwards, swaps)</li> <li>• Housing bonds</li> <li>• Insured conduit bonds where the obligor is a for-profit institution</li> <li>• Non-insured conduit bonds</li> <li>• Non-rated bonds (except pre-refunded/escrowed to maturity bonds)</li> <li>• Notes</li> <li>• Taxable municipals</li> <li>• Tobacco bonds</li> <li>• Variable rate debt (except for known step-up/down coupon schedule bonds)</li> </ul>	<p><b>Security Type.</b> The following bond types are specifically excluded:</p> <ul style="list-style-type: none"> <li>• Bonds subject to alternative minimum tax (AMT)</li> <li>• Bonds issued by U.S. territories and the Commonwealth of Puerto Rico</li> <li>• Bonds issued under SEC Rule 144A</li> <li>• Commercial paper</li> <li>• Derivative securities (inverse floaters, forwards, swaps)</li> <li>• Housing bonds</li> <li>• Insured conduit bonds where the obligor is a for-profit institution</li> <li>• Non-insured conduit bonds</li> <li>• Non-rated bonds (except pre-refunded/escrowed to maturity bonds)</li> <li>• Notes</li> <li>• Bonds classified as Bond Anticipation Notes, Tax Anticipation Notes, Revenue Anticipation Notes, and Tax &amp; Revenue Anticipation Notes</li> <li>• Taxable municipals</li> <li>• Tobacco bonds</li> </ul>

Change	Effective Date (After Close)	Methodology	
		Previous	Updated
Eligible Security Type	03/31/2021	<p><b>Security Type.</b> The following bond types are specifically excluded:</p> <ul style="list-style-type: none"> <li>• Bonds subject to alternative minimum tax (AMT)</li> <li>• Bonds issued by U.S. territories and the Commonwealth of Puerto Rico</li> <li>• Commercial paper</li> <li>• Derivative securities (inverse floaters, forwards, swaps)</li> <li>• Housing bonds</li> <li>• Insured conduit bonds where the obligor is a for-profit institution</li> <li>• Non-insured conduit bonds</li> <li>• Non-rated bonds (except pre-refunded/escrowed to maturity bonds)</li> <li>• Notes</li> <li>• Taxable municipals</li> <li>• Tobacco bonds</li> <li>• Variable rate debt (except for known step-up/down coupon schedule bonds)</li> </ul>	<ul style="list-style-type: none"> <li>• Variable rate debt (except for known step-up/down coupon schedule bonds)</li> </ul> <p><b>Security Type.</b> The following bond types are specifically excluded:</p> <ul style="list-style-type: none"> <li>• Bonds subject to alternative minimum tax (AMT)</li> <li>• Bonds issued by U.S. territories and the Commonwealth of Puerto Rico</li> <li>• Bonds issued under SEC Rule 144A</li> <li>• Commercial paper</li> <li>• Derivative securities (inverse floaters, forwards, swaps)</li> <li>• Housing bonds</li> <li>• Insured conduit bonds where the obligor is a for-profit institution</li> <li>• Non-insured conduit bonds</li> <li>• Non-rated bonds (except pre-refunded/escrowed to maturity bonds)</li> <li>• Notes</li> <li>• Taxable municipals</li> <li>• Tobacco bonds</li> <li>• Variable rate debt (except for known step-up/down coupon schedule bonds)</li> </ul>
Index Names	04/30/2019	<p>S&amp;P AMT-Free Municipal Series Callable Factor-Adjusted Series:</p> <ul style="list-style-type: none"> <li>• S&amp;P AMT-Free Municipal Series Callable Factor-Adjusted Dec 2026 Index</li> <li>• S&amp;P AMT-Free Municipal Series Callable Factor-Adjusted Dec 2027 Index</li> <li>• S&amp;P AMT-Free Municipal Series Callable Factor-Adjusted Dec 2028 Index</li> </ul>	<p>S&amp;P AMT-Free Municipal Callable-Adjusted Series:</p> <ul style="list-style-type: none"> <li>• S&amp;P AMT-Free Municipal Series Callable - Adjusted Dec 2026 Index</li> <li>• S&amp;P AMT-Free Municipal Series Callable - Adjusted Dec 2027 Index</li> <li>• S&amp;P AMT-Free Municipal Series Callable-Adjusted Dec 2028 Index</li> </ul>
Change to the Dated Date Criterion	10/02/2017	Bonds must have a dated date within three months of the monthly rebalancing in order to be eligible for index inclusion.	New additions must have a dated date later than Dec 31, 2010, to be eligible for index inclusion.
Elimination of the Mutual Fund Holding Criterion	10/02/2017	Bonds must be held by mutual funds in order to be eligible for index inclusion.	--



# Disclaimer

## Performance Disclosure/Back-Tested Data

Where applicable, S&P Dow Jones Indices and its index-related affiliates (“S&P DJI”) defines various dates to assist our clients by providing transparency. The First Value Date is the first day for which there is a calculated value (either live or back-tested) for a given index. The Base Date is the date at which the index is set to a fixed value for calculation purposes. The Launch Date designates the date when the values of an index are first considered live: index values provided for any date or time period prior to the index’s Launch Date are considered back-tested. S&P DJI defines the Launch Date as the date by which the values of an index are known to have been released to the public, for example via the company’s public website or its data feed to external parties. For Dow Jones-branded indices introduced prior to May 31, 2013, the Launch Date (which prior to May 31, 2013, was termed “Date of introduction”) is set at a date upon which no further changes were permitted to be made to the index methodology, but that may have been prior to the Index’s public release date.

Please refer to the methodology for the Index for more details about the index, including the manner in which it is rebalanced, the timing of such rebalancing, criteria for additions and deletions, as well as all index calculations.

Information presented prior to an index’s launch date is hypothetical back-tested performance, not actual performance, and is based on the index methodology in effect on the launch date. However, when creating back-tested history for periods of market anomalies or other periods that do not reflect the general current market environment, index methodology rules may be relaxed to capture a large enough universe of securities to simulate the target market the index is designed to measure or strategy the index is designed to capture. For example, market capitalization and liquidity thresholds may be reduced. In addition, forks have not been factored into the back-test data with respect to the S&P Cryptocurrency Indices. For the S&P Cryptocurrency Top 5 & 10 Equal Weight Indices, the custody element of the methodology was not considered; the back-test history is based on the index constituents that meet the custody element as of the Launch Date. Also, the treatment of corporate actions in back-tested performance may differ from treatment for live indices due to limitations in replicating index management decisions. Back-tested performance reflects application of an index methodology and selection of index constituents with the benefit of hindsight and knowledge of factors that may have positively affected its performance, cannot account for all financial risk that may affect results and may be considered to reflect survivor/look ahead bias. Actual returns may differ significantly from, and be lower than, back-tested returns. Past performance is not an indication or guarantee of future results.

Typically, when S&P DJI creates back-tested index data, S&P DJI uses actual historical constituent-level data (e.g., historical price, market capitalization, and corporate action data) in its calculations. As ESG investing is still in early stages of development, certain datapoints used to calculate certain ESG indices may not be available for the entire desired period of back-tested history. The same data availability issue could be true for other indices as well. In cases when actual data is not available for all relevant historical periods, S&P DJI may employ a process of using “Backward Data Assumption” (or pulling back) of ESG data for the calculation of back-tested historical performance. “Backward Data Assumption” is a process that applies the earliest actual live data point available for an index constituent company to all prior historical instances in the index performance. For example, Backward Data Assumption inherently assumes that companies currently not involved in a specific business activity (also known as “product involvement”) were never involved historically and similarly also assumes that companies currently involved in a specific business activity were involved historically too. The Backward Data Assumption allows the hypothetical back-test to be extended over more historical years than would be feasible using only actual data. For more information on “Backward Data Assumption” please refer to the FAQ. The methodology and factsheets of any index that employs backward assumption in the back-tested history will explicitly state so. The methodology will include an Appendix with a table setting forth the specific data points and relevant time period for which backward projected data was used. Index returns shown do not represent the results of actual trading of investable assets/securities. S&P DJI maintains the index and calculates the index levels and performance shown or discussed but does not manage any assets.

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