

S&P Taxable Municipal Bond Index *Methodology*

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Introduction

Index Objective and Highlights

The S&P Taxable Municipal Bond Index measures the performance of the investment-grade U.S. taxable municipal bond market. Constituents are market-value-weighted, subject to individual issuer and concentration limits. Index constituents undergo a monthly review and rebalancing, in order to ensure that the index remains representative of the broader market.

Index Family

The S&P Taxable Municipal Bond Index seeks to be a broad-based national index, which includes a series of sub-indices. The sub-indices are:

- S&P Short Term Taxable Municipal Bond Index
- S&P Short Intermediate Term Taxable Municipal Bond Index
- S&P Long Intermediate Term Taxable Municipal Bond Index
- S&P 15 Year+ Taxable Municipal Bond Index
- S&P Municipal BAB Index
- S&P Municipal BAB Select Index
- S&P Taxable Municipal AAA Rated Bond Index
- S&P Taxable Municipal AA Rated Bond Index
- S&P Taxable Municipal A Rated Bond Index
- S&P Taxable Municipal BBB Rated Bond Index
- S&P Taxable Municipal Revenue Bond Infrastructure Index
- S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index
- S&P Taxable Municipal USD250 Million Par Bond Index

Please refer to Appendix I for a glossary of defined terms.

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	Fixed Income Policies & Practices
S&P Dow Jones Indices' Fixed Income Index Mathematics Methodology	Index Mathematics Methodology

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

On the rebalancing reference date, a bond must meet the following criteria to be classified as an eligible bond.

Issuer. The bond issuer must be a U.S. state (including the Commonwealth of Puerto Rico and U.S. territories) or local government or agency.

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

Taxability. The interest on the bonds must be subject to U.S. federal taxation.

Investment Grade. The bond must have a rating of at least BBB- by S&P Global Ratings (S&P), Baa3 by Moody's, or BBB- by Fitch. A bond must be rated by at least one of the three rating agencies in order to qualify for the index. For the avoidance of doubt, the lowest rating is used in determining if a bond meets index criteria. In determining eligibility, S&P Dow Jones Indices looks at the long-term rating, either insured or uninsured. If either a rating is not available or does not meet eligibility requirements, S&P Dow Jones Indices then looks at the underlying rating. Non-rated bonds are excluded.

Issuance. The bond must be denominated in U.S. dollars and subject to U.S. federal taxation. For clarity, the following bond types are specifically excluded:

- Commercial paper
- Derivative securities (inverse floaters, forwards, swaps)
- Non-rated bonds (except pre-refunded/escrowed to maturity bonds)
- Variable rate debt (except for known step-up/down coupon schedule bonds)

Minimum Par Amount. The bond must have a minimum par amount of US\$ 1 million to be eligible for index inclusion.

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

Minimum Term. As of the next rebalancing date, the bond must have a minimum term to maturity greater than one calendar month. For any bond with an announced full call, the call date must be greater than one calendar month.

Sub-Indices

S&P Short Term Taxable Municipal Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with a maximum maturity of up to but not including one year, as measured from the first business day of the month.

S&P Short Intermediate Term Taxable Municipal Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with a minimum maturity of one year and a maximum maturity of up to but not including five years, as measured from the first business day of the month.

S&P Long Intermediate Term Taxable Municipal Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with a minimum maturity of five years and a maximum maturity of up to but not including 15 years, as measured from the first business day of the month.

S&P 15 Year+ Taxable Municipal Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with a minimum maturity of 15 years or longer, as measured from the first business day of the month.

S&P Municipal BAB Index. The index consists of bonds in the S&P Taxable Municipal Bond Index that are designated as Build America Bonds issued under “The American Recovery and Reinvestment Act of 2009”, with a minimum par amount of US\$ 1 million.

S&P Municipal BAB Select Index. The index consists of bonds in the S&P Taxable Municipal Bond Index that are designated as Build America Bonds issued under “The American Recovery and Reinvestment Act of 2009”, with a minimum par amount of US\$ 100 million.

S&P Taxable Municipal AAA Rated Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with an S&P rating of AAA.

S&P Taxable Municipal AA Rated Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with an S&P rating of AA-, AA, or AA+.

S&P Taxable Municipal A Rated Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with an S&P rating of A-, A, or A+.

S&P Taxable Municipal BBB Rated Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with an S&P rating of BBB-, BBB, or BBB+.

S&P Taxable Municipal Revenue Bond Infrastructure Index. The index consists of revenue bonds in the S&P Taxable Municipal Bond Index that conform to the combined infrastructure sector Purpose Class and Subclass combinations outlined in *Appendix II*. Bonds that are pre-refunded/escrowed to maturity are not included.

S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index. The index consists of revenue bonds in the S&P Taxable Municipal Bond Index that conform to the combined infrastructure sector Purpose Class and Subclass combinations outlined in *Appendix II*. The minimum par amount outstanding for index eligibility purposes is US\$ 100 million. Bonds that are pre-refunded/escrowed to maturity are not included.

S&P Taxable Municipal USD250 Million Par Bond Index. The index consists of bonds in the S&P Taxable Municipal Bond Index with a minimum par amount outstanding of US\$ 250 million.

Index Construction

Constituent Weightings

Except for the S&P Taxable Municipal Bond Index, at each rebalancing the indices are market-value-weighted.

S&P Taxable Municipal Bond Index

Constituent Concentration Requirements. At each rebalancing, the index is market-value-weighted, subject to the following:

- No single obligor can exceed 25% of the weight of the index.
- The aggregate weight of obligors weighing at least 5% cannot exceed 50% of the total index weight.

The obligor capping constraint excludes pre-refunded and escrowed to maturity bonds. Any excess weight is proportionally distributed to all uncapped bonds within the respective rating bucket. Prices as of the rebalancing reference date are used in determining index bond concentration.

Index Calculations

Securities Evaluations | ICE Data Services reports the price of each bond in the index. The prices used in the index calculation add the accrued interest for each bond to the price reported by Securities Evaluations | ICE Data Services.

The total return is calculated by aggregating the interest return, reflecting the return due to paid and accrued interest, and price return, reflecting the gains or losses due to changes in the Securities Evaluations | ICE Data Services' reported end-of-day price.

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.

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

Index Maintenance

The index is 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 is removed from the index on the next rebalancing date.
- When an index bond is in default or misses an interest payment, the price reported by Securities Evaluations | ICE Data Services is 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 index is reviewed and rebalanced monthly.

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

Deletions

Bonds are deleted from the index at the rebalancing for the following reasons:

- Bonds that are completely called or tendered during the course of the month.
- Bonds that are scheduled to be completely called or redeemed during the course of the calendar month following the rebalancing date.
- Bonds where partial calls and redemptions have reduced the known outstanding amount to less than the minimum par amount required during the course of the month.
- Any bond that is downgraded below investment grade between rebalancing dates.

Publicly available information, up to and including the reference date, is considered in the rebalancing. Additions, deletions and other changes to the index arising from the monthly rebalancing are published on the announcement date. Index changes published in the announcement are not normally subject to revision and become effective after the close on the rebalancing date.

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.

For more information on currency and currency hedged indices, please refer to S&P Dow Jones Indices' Fixed Income Index Mathematics Methodology.

Base Date

The index has a base date of February 2, 2010, with a base value of 100.

Index Governance

Index Committee

An Index Committee maintains the index. The Committee is comprised of full-time employees of S&P Dow Jones Indices. Meetings are held monthly and, from time to time, as needed.

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

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 the 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 index based on a new interpretation of that information at its sole discretion.

The Index Committee is separate from and independent of other analytical groups at S&P Global. In particular, the Index Committee has no access to or influence on decisions by S&P Global Ratings analysts.

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 index are made after market close. Press releases are posted on S&P Dow Jones Indices' Web site at www.spglobal.com/spdji.

Holiday Schedule

The index calculates when the Securities Industry and Financial Markets Association (SIFMA®) declares the U.S. fixed income markets to be open.

A complete holiday schedule for the year is available at www.spglobal.com/spdji.

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, via S&P Dow Jones Indices' Web site. This may be subject to change.

Index Releases

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 Indices Policies & Practices Methodology.

Contact Information

For any questions regarding an index, please contact: index_services@spglobal.com.

Index Dissemination

Index levels are available through S&P Dow Jones Indices' website at www.spglobal.com/spdji, and major quote vendors (see codes below).

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 Taxable Municipal Bond Index	SPMUT
S&P Short Term Taxable Municipal Bond Index	SPMUTS
S&P Short Intermediate Term Taxable Municipal Bond Index	SPMUTSI
S&P Long Intermediate Term Taxable Municipal Bond Index	SPMUTL
S&P 15 Year+ Taxable Municipal Bond Index	SPMUT15
S&P Municipal BAB Index	SPMUTB
S&P Municipal BAB Select Index	SPMUTBS
S&P Taxable Municipal AAA Rated Bond Index	SPMUT3A
S&P Taxable Municipal AA Rated Bond Index	SPMUT2A
S&P Taxable Municipal A Rated Bond Index	SPMUT1A
S&P Taxable Municipal BBB Rated Bond Index	SPMUT3B
S&P Taxable Municipal Revenue Bond Infrastructure Index	SPMTF
S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	SPMTFS
S&P Taxable Municipal USD250 Million Par Bond Index	SPMUTS2

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.

Web site

For further information, please refer to S&P Dow Jones Indices' Web site at www.spglobal.com/spdji.

Appendix I – Defined Terms

Defined Terms

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

Business Day. Any day that 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 04:00 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 the eligibility criteria, based on publicly available information as of the reference date.

Index. S&P Taxable Municipal Bond Index and/or related sub-indices.

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, 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 – Index and Sector Directory

Index and Sector Directory

Index Code	Index Name	GO/Rev	Purpose Class	Subclass	Other Rule
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	AIR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	HARB	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	PA	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	TERM	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	TPK	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	TOLL	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	BUS	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	COMB	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	FAC	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	HWY	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	MASS	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	POOL	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	RAIL	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	ROAD	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	TRAN	VP	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	PWR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	ELEC	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	NUCL	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	SWR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	WTR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	COMB	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	WRSR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	GAS	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	GU	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	UTIL	TELE	

Index Code	Index Name	GO/Rev	Purpose Class	Subclass	Other Rule
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	COMB	WTR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	COMB	SWR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	MET	WTR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	MET	SWR	
SPMTF	S&P Taxable Municipal Revenue Bond Infrastructure Index	Rev	PUD	any/all	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index				US\$ 100 million par amount outstanding.
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	AIR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	HARB	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	PA	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	TERM	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	TPK	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	TOLL	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	BUS	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	COMB	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	FAC	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	HWY	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	MASS	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	POOL	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	RAIL	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	ROAD	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	TRAN	VP	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	PWR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	ELEC	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	NUCL	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	SWR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	WTR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	COMB	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	WRSR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	GAS	

Index Code	Index Name	GO/Rev	Purpose Class	Subclass	Other Rule
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	GU	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	UTIL	TELE	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	COMB	WTR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	COMB	SWR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	MET	WTR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	MET	SWR	
SPMTFS	S&P Taxable Municipal Revenue Bond Infrastructure Select Plus Index	Rev	PUD	any/all	

Appendix III – Methodology Changes

Methodology Changes

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

Change	Effective Date (After Close)	Methodology	
		Previous	Updated
Constituent Weightings	04/30/2024	<p>Constituent Concentration Requirements. At each rebalancing, the following constraints are applied:</p> <ul style="list-style-type: none"> No single issuer can exceed 25% of the weight of the index. The aggregate weight of issuers with a weight of at least 5% cannot exceed 50% of the total weight of the index. <p>All excess weights are proportionally distributed to all uncapped bonds. Prices as at the rebalancing reference date are used in determining an index bond concentration.</p>	<p>At each rebalancing, the index is market-value-weighted, subject to the following constraints:</p> <ul style="list-style-type: none"> No single obligor can exceed 25% of the total index weight. The aggregate weight of obligors weighing at least 5% cannot exceed 50% of the total index weight. <p>The obligor capping constraint excludes pre-refunded and escrowed to maturity bonds. Any excess weight is proportionally distributed to all uncapped bonds within the respective rating bucket. Prices as of the rebalancing reference date are used in determining index bond concentration.</p>
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 December 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.

Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the Index or investment funds that are intended to track the performance of the Index. The imposition of these fees and charges would cause actual and back-tested performance of the securities/fund to be lower than the Index performance shown. As a simple example, if an index returned 10% on a US \$100,000 investment for a 12-month period (or US \$10,000) and an actual asset-based fee of 1.5% was imposed at the end of the period on the investment plus accrued interest (or US \$1,650), the net return would be 8.35% (or US \$8,350) for the year. Over a three-year period, an annual 1.5% fee taken at year end with an assumed 10% return per year would result in a cumulative gross return of 33.10%, a total fee of US \$5,375, and a cumulative net return of 27.2% (or US \$27,200).

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