

S&P ESG Exclusion Indices *Methodology*

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Introduction

Highlights

This document contains the methodologies for certain S&P Dow Jones Indices' (S&P DJI) equity indices that exclude companies based on one or a combination of Environmental, Social, or Governance & Economic (ESG) criteria. These indices are tailored versions of an S&P or Dow Jones branded underlying index. The indices may be tailored in a variety of ways such as by the exclusion of certain categories of involvement or by the level of involvement using thresholds. Unless detailed in the following pages, the indices follow the standard policies and procedures as documented in the underlying index's methodology and in S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology. Such policies and procedures include, but are not limited to, corporate action treatments and error correction.

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' Equity Indices Policies & Practices Methodology	Equity Indices Policies & Practices
S&P Dow Jones Indices' Index Mathematics Methodology	Index Mathematics Methodology
S&P Dow Jones Indices' Float Adjustment Methodology	Float Adjustment Methodology

The methodology is 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.

Index Eligibility & Construction

S&P Global 100 Ex-Controversial Weapons Index

Index Objective. The index measures the performance of the constituents of the underlying index, excluding those classified as controversial weapons as specified in *Index Exclusions*. Index constituents are float-adjusted market capitalization weighted.

Index Universe. The index is constructed from constituents of the underlying index.

S&P ESG Exclusion Index	Underlying Index
S&P Global 100 ex Controversial Weapons	S&P Global 100 (WM)

Index Exclusions. As of each rebalancing reference date, exclude the following:

- companies without coverage, except spin-offs from current constituents. Spin-offs are assigned the exclusion designations of the respective parent company as of the ex-date and retain such designation(s) until assessed at the subsequent rebalancing .
- companies involved in the following specific business activities, at the relevant level of involvement. Revenue is used as a proxy for all categories.

S&P Global Business Involvement	S&P Global Category of Involvement and Description	S&P DJI Level of Involvement Threshold	S&P DJI Significant Ownership Threshold
Controversial Weapons	Customized Weapons: This screen includes companies involved in the manufacturing of the components of a weapon. These components are intended solely for use in the production and are essential for the functioning of Anti-Personnel Mines, Biological and Chemical Weapons, Blinding Laser Weapons, Cluster Munitions, Depleted Uranium, Incendiary Weapons and Nuclear Weapons.	>0%	≥25%

Level of Involvement refers to the company's direct exposure to such products, while Significant Ownership indicates where the company has indirect involvement via some specified level of ownership of a subsidiary company with involvement.

For more information on the S&P Global Business Involvement Screens data set, please refer [here](#).

Multiple Classes of Stock. All publicly listed multiple share class lines are eligible for index inclusion, subject to meeting the eligibility criteria. For more information regarding the treatment of multiple share classes, please refer to Approach A within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Constituent Selection. At each rebalancing, all eligible companies in the underlying index form the index.

Constituent Weighting. The index is float-adjusted market capitalization weighted.

Index Additions. Except for spin-offs, no stocks are added to the indices between rebalancings. Spinoffs are added to the index, at a zero price prior to the open of trading on the ex-date (with no divisor adjustment) The spun-off company is removed after at least one day of regular way trading (with a divisor adjustment).

Index Deletions. If a stock is dropped from the underlying index, it is also removed from the respective index simultaneously. Between rebalancings, a stock can be deleted from an index due to corporate events such as mergers, takeovers, delistings, suspensions, spin-offs/demergers, or bankruptcies.

Index Maintenance. All index adjustments and corporate action treatments follow the underlying index.

Rebalancing. The index is rebalanced quarterly, effective after the close of the third Friday of March, June, September, and December. The rebalancing reference date is the third Friday of February, May, August, and November respectively. The reference universe for the index is the composition of the underlying index at the open of the upcoming rebalancing effective date.

S&P 500 Ex-Firearms Index

Index Objective. The index measures the performance of the constituents of the S&P 500 that are not involved in the business activities relating to firearms, as specified in *Index Exclusions*. Index constituents are float-adjusted market capitalization weighted.

Index Universe. The index is constructed from constituents of the underlying index.

S&P ESG Exclusion Index	Underlying Index
S&P 500 Ex-Firearms Index	S&P 500

Index Exclusions.

As of each rebalancing reference date, exclude the following:

- companies without coverage, except for spin-offs. Spin-offs are assigned the exclusion designations of the respective parent company as of the ex-date and retain those designations until assessed by S&P Global.
- companies involved in the following specific business activities, at the relevant level of involvement. Revenue is used as a proxy for all categories.

S&P Global Business Involvement	S&P Global Category of Involvement and Description	S&P DJI Level of Involvement Threshold	S&P DJI Significant Ownership Threshold
Small Arms	Production of Small Arms Weapons for Civilian Use: This screen covers companies involved in the manufacturing of small arms weapons for civilian use.	>0%	≥10%
	Production of Small Arms Weapons for Non-Civilian Use: This screen covers companies involved in the manufacturing of small arms weapons for non-civilian use.	>0%	≥10%
	Production of Key Components: The screen covers companies involved in the manufacturing of key components for assault weapons.	>0%	≥10%
	Retail and Distribution of Small Arms Weapons: The screen covers companies involved in the retail or distribution of small arms weapons for civilian customers.	>0%	≥10%

Level of Involvement refers to the company's direct exposure to such products, while Significant Ownership indicates where the company has indirect involvement via some specified level of ownership of a subsidiary company with involvement.

For more information on the S&P Global Business Involvement Screens data set, please refer [here](#).

Multiple Classes of Stock. All publicly listed multiple share class lines are eligible for index inclusion, subject to meeting the eligibility criteria. For more information regarding the treatment of multiple share classes, please refer to Approach A within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Constituent Selection. At each rebalancing, all eligible companies in the underlying index are selected and form the index.

Constituent Weighting. The index is float-adjusted market capitalization weighted.

Index Additions. Except for spin-offs, no stocks are added to the indices between rebalancings. Spinoffs are added to the index at a zero price prior to the open of trading on the ex-date (with no divisor adjustment). The spun-off company is removed after at least one day of regular way trading (with a divisor adjustment).

Index Deletions. If a stock is dropped from the underlying index, it is also removed from the respective index simultaneously. Between rebalancings, a stock can be deleted from an index due to corporate events such as mergers, takeovers, delistings, suspensions, spin-offs/demergers, or bankruptcies.

Index Maintenance. All index adjustments and corporate action treatments follow the underlying index.

Rebalancing. The index is rebalanced quarterly, effective after the close of the third Friday of March, June, September, and December. The rebalancing reference date is after the close of the third Friday of February, May, August, and November respectively. The reference universe for the index is the composition of the underlying index at the open of the upcoming rebalancing effective date.

S&P 500 Equal Weight Thermal Coal Screened Index

Index Objective. The index measures the equal-weighted performance of the constituents of the S&P 500 Equal Weight that are screened to exclude companies involved in the business activities relating to thermal coal specified below.

Index Universe. As of the underlying index rebalancing date, the index universe is all constituents of the underlying index.

S&P ESG Screened Index	Underlying Index
S&P 500 Equal Weight Thermal Coal Screened Index	S&P 500 Equal Weight Index

Exclusions Based on Business Activities. As of each rebalancing reference date, exclude the following:

- companies without coverage.
- companies involved in the following specific business activities, at the relevant level of involvement. Revenue is used as a proxy for all categories.

S&P Global Business Involvement ¹	S&P Global Category of Involvement and Description	S&P DJI Level of Involvement Threshold	S&P DJI Significant Ownership Threshold
Thermal Coal	Generation: This screen covers companies that are involved in the electricity generation using coal power plants.	≥2.5%	N/A
Coal	Thermal Coal Mining: This screen covers companies that own and/or operate coal mines that engage in thermal coal mining.	≥2.5%	N/A

Level of Involvement refers to the company's direct exposure to such products, while Significant Ownership indicates where the company has indirect involvement via some specified level of ownership of a subsidiary company with involvement.

For more information on the S&P Global Business Involvement Screens data set, please refer [here](#).

Multiple Classes of Stock. All publicly listed multiple share class lines are eligible for index inclusion, subject to meeting the eligibility criteria. For more information regarding the treatment of multiple share classes, please refer to Approach A within the Multiple Share Classes section of the S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Constituent Selection. At each rebalancing, select all eligible companies to form the index.

Constituent Weighting. Equal weight constituents at the company level. For companies with multiple share class lines in the index, assign each share class line a percentage of the company-level equal weight that is proportional to the company's float-adjusted market cap as of the pricing reference date.

Index Additions. Except for spin-offs, no stocks are added to the indices between rebalancings. Spin-offs are added to the index at a zero price prior to the open of trading on the ex-date (with no divisor adjustment). The spin-off is removed after at least one day of regular way trading (with a divisor adjustment).

Index Deletions. If a stock is dropped from the underlying index, it is also removed from the respective index simultaneously. Between rebalancings, a stock can be deleted from an index due to corporate events such as mergers, takeovers, delistings, suspensions, spin-offs/demergers, or bankruptcies.

¹ For history prior to June 2022, exclusions based on business activities used equivalent Sustainalytics data screened at a 0% threshold.

Index Maintenance. All index adjustments and corporate action treatments follow the underlying index.

Rebalancing. The index rebalances quarterly, effective after the close of the third Friday of March, June, September, and December. The rebalancing reference date is after the close of the last business day of February, May, August, and November, respectively. The reference universe for the index is the composition of the underlying index at the open of the upcoming rebalancing effective date.

Constituents' index shares are calculated using closing prices on the Wednesday prior to the second Friday of the rebalancing month as the reference price. Index shares are calculated and assigned to each stock to arrive at the weights determined on the reference date. Since index shares are assigned based on prices prior to rebalancing, the actual weight of each stock at the rebalancing may differ from these weights due to market movements.

Index Maintenance

Ongoing Maintenance

The constituents of the indices are drawn from the underlying index. Specific changes to an index constituent, such as share changes, Investable Weight Factor (IWF) changes, dividend distributions, and price adjustments, follow the policies of the underlying index.

For more information on Share Updates, Float Adjustment, and IWFs, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology and S&P Dow Jones Indices' Float Adjustment Methodology.

The indices are reviewed on an ongoing basis to account for corporate events such as mergers, takeovers, delistings, suspensions, spin-offs/demergers, or bankruptcies. Changes to index composition and related weight adjustments are made as soon as they are effective. These changes are typically announced one to five business days prior to the implementation date.

Quarterly Updates

Changes to a constituent's shares and IWF as a result of the quarterly updates are effective after the close on the third Friday in March, June, September, and December.

Corporate Actions

For more information on Corporate Actions for FMC-weighted indices, please refer to the Float Market Capitalization Indices section of S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology. For equal weighted indices, please refer to the Equal Weighted Indices section of S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Index Calculations

The indices are calculated by means of the divisor methodology used in all S&P Dow Jones Indices' equity indices.

For more information on the index calculation methodology, please refer to S&P Dow Jones Indices' Index Mathematics Methodology.

Currency of Calculation and Additional Index Return Series

The indices calculate in the following currencies:

S&P ESG Exclusion Index	Currency of Calculation
S&P Global 100 Ex-Controversial Weapons Index	New Zealand dollars (NZD)
S&P 500 Ex-Firearms Index	U.S. dollars (USD)
S&P 500 Equal Weight Thermal Coal Screened Index	U.S. dollars (USD)

WMR foreign exchange rates are taken daily at 4:00 PM London Time and used in the calculation of the indices. These mid-market fixings are calculated by WMR based on LSEG data and appear on LSEG pages.

In addition to the indices detailed in this methodology, additional return series versions of the indices may be available, including, but not limited to: currency, currency hedged, decrement, fair value, inverse,

leveraged, and risk control versions. For a list of available indices, please refer to the [S&P DJI Methodology & Regulatory Status Database](#).

For information on various index calculations, please refer to S&P Dow Jones Indices' *Index Mathematics Methodology*.

For the inputs necessary to calculate certain types of indices, including decrement, dynamic hedged, fair value, and risk control indices, please refer to the Parameters documents available at www.spglobal.com/spdji/.

Base Dates and History Availability

Index history availability, base dates, and base values are:

Index	Launch Date	First Value Date	Base Date	Base Value
S&P Global 100 Ex Controversial Weapons	07/06/2020	09/30/2015	09/30/2015	1000
S&P 500 Ex Firearms Index	11/12/2021	05/28/2010	05/28/2010	1000
S&P 500 Equal Weight Thermal Coal Screened Index	07/22/2024	03/15/2019	03/15/2019	1000

Index Data

Calculation Return Types

S&P Dow Jones Indices calculates multiple return types which vary based on the treatment of regular cash dividends. The classification of regular cash dividends is determined by S&P Dow Jones Indices.

- Price Return (PR) versions are calculated without adjustments for regular cash dividends.
- Gross Total Return (TR) versions reinvest regular cash dividends at the close on the ex-date without consideration for withholding taxes.
- Net Total Return (NTR) versions, if available, reinvest regular cash dividends at the close on the ex-date after the deduction of applicable withholding taxes.

In the event there are no regular cash dividends on the ex-date, the daily performance of all three indices will be identical.

For a complete list of indices available, please refer to the daily index levels file (“.SDL”).

For more information on the classification of regular versus special cash dividends as well as the tax rates used in the calculation of net return, please refer to S&P Dow Jones Indices’ Equity Indices Policies & Practices Methodology.

For more information on the calculation of return types, please refer to S&P Dow Jones Indices’ Index Mathematics Methodology.

Index Governance

Index Committee

An Index Committee maintains the indices. At each meeting, the Index Committee reviews pending corporate actions that may affect index constituents, statistics comparing the composition of the index to the market, companies that are being considered as candidates for addition to the index, and any significant market events. In addition, the Index Committee may revise index policy covering rules for selecting companies, treatment of dividends, share counts or other matters.

S&P Dow Jones Indices considers information about changes to its indices and related matters to be potentially market moving and material. Therefore, all Index Committee discussions are confidential.

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' Equity Indices Policies & Practices Methodology.

Index Policy

Announcements

All index constituents are evaluated daily for data needed to calculate index levels and returns. All events affecting the daily index calculation are typically announced in advance via the Index Corporate Events report (.SDE), delivered daily to all clients. Any unusual treatment of a corporate action or short notice of an event may be communicated via email to clients.

Press releases are posted on our Web site, www.spglobal.com/spdji/, and are released to major news services.

Pro-forma Files

In addition to the corporate events file (.SDE), S&P Dow Jones Indices provides constituent pro-forma files each time the indices rebalance. The pro-forma file is typically provided daily in advance of the rebalancing date and contains all constituents, their corresponding weights, and index shares effective for the upcoming rebalancing.

Please visit www.spglobal.com/spdji/ for a complete schedule of rebalancing timelines and pro-forma delivery times.

Holiday Schedule

The indices are calculated daily, throughout the calendar year. The only days an index is not calculated are on days when all exchanges where an index's constituents are listed are officially closed or if WMR's exchange rates services are not published.

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.

Unexpected Exchange Closures

For information on Unexpected Exchange Closures, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Recalculation Policy

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

For information on Calculations and Pricing Disruptions, Expert Judgment and Data Hierarchy, please refer to S&P Dow Jones Indices' Equity 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' Web site at www.spglobal.com/spdji/, major quote vendors (see codes below), numerous investment-oriented Web sites, 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 (Currency)	Return Type	BBG
S&P Global 100 Ex-Controversial Weapons Index (NZD)	Price Return	--
	Total Return	--
	Net Total Return	--
S&P 500 Ex-Firearms Index (USD)	Price Return	SP5EFAUP
	Total Return	SP5EFAUT
	Net Total Return	SP5EFAUN
S&P 500 Equal Weight Thermal Coal Screened Index (USD)	Price Return	SPXETSUP
	Total Return	SPXETSUT
	Net Total Return	SPXETSUN

Index Data

Daily constituent and index level data are available via subscription.

For product information, please contact S&P Dow Jones Indices, www.spglobal.com/spdji/en/contact-us.

Website

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

Appendix I

Methodology Changes

Methodology changes since August 26, 2019, are as follows:

Change	Effective Date (After Close)	Previous	Methodology Updated
Exclusions Based on Business Activities Data Provider	06/21/2024	Sustainalytics provides the data for exclusions based on business activities.	S&P Global provides the data for exclusions based on business activities.
Rebalancing Reference date: S&P Global 100 Ex-Controversial Weapons Index	09/17/2021	The rebalancing reference date is the last trading day of February, May, August, and November respectively.	The rebalancing reference date is the third Friday of February, May, August, and November respectively.

Appendix II

Indices in this Methodology Employing Backward Data Assumption

S&P 500 Ex Firearms Index
S&P 500 Equal Weight Thermal Coal Screened Index

Backward Data Assumption

The index employs a “Backward Data Assumption” method for some datapoints used in the derivation of historical index membership prior to the Live Data Effective Date (defined below). The “Backward Data Assumption” method involves applying the earliest available actual live data point for an index constituent to all prior, historical instances of that constituent in the index universe.

Backward Data Assumption affects only the historical, hypothetical constituents of any index back-test. Only actual live data is ever used in live index rebalancings and in the historical rebalancing calculation of an index after its Live Data Effective Date.

For more information on S&P DJI’s principles and processes for using Backward Data Assumption, please refer to the [FAQ](#).

Designated Datasets Subject to Backward Data Assumption

The Backward Data Assumption within the historical back-test, with respect to the indices identified above, applies only to designated datasets and associated time horizons as defined below. For each designated dataset, all historical rebalancing events prior to the Live Data Reference Date listed below are subject to use of the Backward Data Assumption.

Data Provider	Designated Dataset	Live Data Reference Date	Live Data Effective Date	Relevant Indices
Sustainalytics	Business Activity Exclusions	02/28/2020	03/23/2020	S&P 500 Ex Firearms Index S&P 500 Equal Weight Thermal Coal Screened Index

The Live Data Reference Date refers to the first rebalancing reference date from which only actual live data is used.

The Live Data Effective Date refers to the first date from which index constituents are determined solely on actual live data for each respective dataset.

Exclusions Based on Missing Coverage

This index excludes companies based on missing coverage with respect to the designated datasets above. However, for rebalancing dates prior to the index launch date, no exclusions based on missing coverage were applied.

Historical Coverage Assessment per Designated Dataset

Sustainalytics Business Activity Exclusions Coverage (with respect to underlying index universe):

S&P 500 Ex Firearms Index

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data		After Using the Data Assumption	
		Stock Count	Index Weight	Stock Count	Index Weight
2010	500	0	0.00%	498	99.91%
2011	500	0	0.00%	500	100%
2012	500	0	0.00%	500	100%
2013	500	495	99.37%	500	100%
2014	501	495	99.35%	501	100%
2015	502	500	99.78%	502	100%
2016	505	503	99.81%	505	100%
2017	505	504	99.96%	505	100%
2018	505	504	99.97%	505	100%
2019	505	500	99.67%	505	100%
2020	505	505	100.00%	n/a	n/a
2021	505	504	99.98%	n/a	n/a

S&P 500 Equal Weight Thermal Coal Screened Index

Rebalancing Date	Underlying Index Stock Count	Point-in-Time Data		After Using the Data Assumption	
		Stock Count	Index Weight	Stock Count	Index Weight
2019	505	500	99.67%	505	100%
2020	505	505	100.00%	n/a	n/a
2021	505	504	99.98%	n/a	n/a
2022	505	504	99.81%	n/a	n/a
2023	503	502	99.79%	n/a	n/a
2024	503	503	100.00%	n/a	n/a

Coverage for each Sustainalytics Category of Involvement may differ due to the initiation of coverage for each sub-dataset. Actual live data coverage for each sub-dataset is therefore zero before its respective Coverage Initiation Date provided below:

Sustainalytics Category of Involvement	Coverage Initiation Date
Controversial Weapons: Tailor-made and Essential	12/31/2012
Controversial Weapons: Significant ownership (Tailor-made and Essential)	12/31/2018
Small Arms: Civilian customers (Assault weapons)	12/31/2012
Small Arms: Civilian customers (Non-assault weapons)	12/31/2018
Small Arms: Key components	12/31/2015
Small Arms: Military/law enforcement customers	12/31/2015
Small Arms: Retail/distribution (Assault weapons)	12/31/2013
Small Arms: Retail/distribution (Non-assault weapons)	12/31/2018
Small Arms: Significant Ownership (Civilian customers (Assault weapons))	12/31/2019
Small Arms: Significant Ownership (Civilian customers (Non-assault weapons))	12/31/2019
Small Arms: Significant Ownership (Key components)	12/31/2019
Small Arms: Significant Ownership (Military/law enforcement customers)	12/31/2019
Small Arms: Significant Ownership (Retail/distribution (Assault weapons))	12/31/2019
Small Arms: Significant Ownership (Retail/distribution (Non-assault weapons))	12/31/2019
Thermal Coal: Extraction	12/31/2015
Thermal Coal: Power Generation	12/31/2015

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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