

Dow Jones Sustainability Indices *Methodology*

June 2022

Table of Contents

Introduction	3
Index Objective	3
Highlights	3
Index Family	3
Supporting Documents	4
Eligibility Criteria	5
Sustainability Scoring	5
Change of Industry and Domicile	5
Multiple Classes of Stock	5
Index Construction	6
The Invited Universe	6
The Assessed Universe	7
The Eligible Universe	7
Controversies: Media and Stakeholder Analysis Overlay	7
Constituent Selection	8
Ethical Exclusion Sub-Indices	9
Constituent Weighting	10
Index Calculations	10
Index Maintenance	11
Rebalancing	11
Ongoing Membership Review	11
Quarterly Updates	11
Additions and Deletions	11
Corporate Actions	12
Other Adjustments	12
Currency of Calculation and Additional Index Return Series	12
Base Dates and History Availability	13
Index Data	14
Calculation Return Types	14
Index Governance	15
Index Committee	15

Index Policy	16
Announcements	16
Pro-forma Files	16
Holiday Schedule	16
Rebalancing	16
Unexpected Exchange Closures	16
Recalculation Policy	16
Real-Time Calculation	16
Contact Information	17
Index Dissemination	18
Tickers	18
Index Data	19
Web site	19
Appendix I	20
Sustainability Scoring Process	20
Appendix II	22
DJSI Family Structure	22
Appendix III	24
Exclusion Tag Definitions	24
Appendix IV	25
Methodology Changes	25
Disclaimer	27

Introduction

Index Objective

The Dow Jones Sustainability Indices (DJSI) are float-adjusted market capitalization weighted indices that measure the performance of companies selected with ESG (Environmental, Social, Governance & Economic) criteria using a best-in-class approach.

Highlights

S&P Dow Jones Indices partners with S&P Global ESG Research, a specialist in ESG research and data, to provide investors with objective benchmarks for managing their sustainability investment portfolios. The DJSI allow the creation of portfolios of companies that fulfill certain sustainability criteria better than the majority of their peers within a given industry.

To address specific investor requirements, the DJSI index family includes sub-indices that exclude companies engaged in certain activities widely considered as unsustainable (see *Ethical Exclusion Sub-Indices* for details).

Index Family

The DJSI benchmarks are comprised of three geographical breakdowns: DJSI World (including DJSI Emerging Markets), DJSI Regions, and DJSI Countries. Indices within these geographical divisions use different starting universes and different percentiles to mark the “cut off” point in selecting the most sustainable companies (see *Constituent Selection* for details). This means that the emerging markets, country and regional indices are not simply sub-indices of the DJSI World, and there is no “roll up” of indices from country to region, to world.

The Dow Jones Sustainability Indices benchmark family consists of the following indices:

Geographical Breakdown	Index
DJSI World	Dow Jones Sustainability World Dow Jones Sustainability World Enlarged Dow Jones Sustainability Emerging Markets
DJSI Regions	Dow Jones Sustainability Asia/Pacific Dow Jones Sustainability Europe Dow Jones Sustainability North America
DJSI Countries	Dow Jones Sustainability Australia Dow Jones Sustainability Korea Dow Jones Sustainability Korea Capped 25% Dow Jones Sustainability Chile ¹

All other indices are subsets of the above benchmarks.

Please refer to *Appendix II* for a full outline of country allocations by benchmark.

¹ For detailed information on the Dow Jones Sustainability Chile Index, please refer to the Dow Jones Sustainability Chile Index Methodology document available at www.spglobal.com/spdji.

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
S&P Dow Jones Indices' Global Industry Classification Standard (GICS) Methodology	GICS 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

Sustainability Scoring

The key factor in selecting constituents for any DJSI index is a company's S&P Global ESG Score, calculated under the S&P Global ESG Research annual Corporate Sustainability Assessment (CSA). The annual CSA process begins in April each year, with new scores released in September.²

For more information on sustainability scoring, please refer to Appendix I.

Change of Industry and Domicile

Companies are assessed based on their industry classification on the last business day of March. If a company is reclassified to a new industry during the assessment process, it is still considered under the March classification during the December annual rebalancing. This is to ensure that the industry methodology applied to it remains valid and that the company is accurately compared against its peers. The company will be eligible under its new industry classification starting with the subsequent assessment cycle.

In addition, companies are considered for one or more regional indices based on their domicile as of the end of March. Companies that change their domicile during the assessment process will become eligible for the new domicile's respective indices. In the event of a domicile change during the assessment process, the initial invited universe sizes will not be updated upon constituent selection as to preserve the targeted constituent counts for each impacted index.

Multiple Classes of Stock

Some companies have more than one class of common stock listed. In the Dow Jones Sustainability Indices, each company is represented only once. Only the stock with the largest float-adjusted market capitalization is considered for selection. For dual-listed companies both are considered and have identical scores, subject to eligibility requirements.

² Due to the impact of the COVID-19 pandemic, the 2020 and 2021 CSA deadline was extended and the release of the scores delayed until November.

Index Construction

The DJSI use a transparent, rules-based constituent selection process based on the companies' S&P Global ESG Score and the CSA industry classifications resulting from the annual S&P Global ESG Research CSA.

While the selection of constituents for the DJSI reflects the use of the S&P Global ESG Score, the weighting of constituents within each of the DJSI benchmark sub-families (World, Regions, and Countries) is in accordance with their market capitalization, based on their float-adjusted shares outstanding in S&P Global BMI, and subject to a maximum weight of 10%, except for the DJSI Korea Capped 25%, which applies a 25% maximum weight cap.³ The DJSI also follow the methodology and maintenance procedures for the S&P Global BMI with respect to quarterly rebalancing and the treatment of corporate actions.

The composition of each of the DJSI sub-families is reviewed each year in December based on the S&P Global ESG Scores resulting from that year's CSA. To reduce turnover, a standard buffer rule is applied to the constituent selection process (see *Constituent Selection* for details).

The Invited Universe

Each DJSI Index is based on an Invited Universe that includes the largest companies by float-adjusted market capitalization within the S&P Global BMI, excluding China A Shares, plus any existing index constituents whose free-float market capitalization is above a pre-defined threshold as defined in the table below. The reference date for this is as of the prior year end.

Index	Companies Invited	Existing Constituent Threshold
DJSI World	2500 largest companies in the S&P Global BMI	Above US\$ 500 million
DJSI World Enlarged		
DJSI Emerging Markets	800 largest emerging markets companies in the S&P Global BMI	
DJSI Asia/Pacific	600 largest developed Asia/Pacific markets companies in the S&P Global BMI	
DJSI Europe	600 largest developed European markets companies in the S&P Global BMI	
DJSI North America	600 largest US & Canadian companies in the S&P Global BMI	
DJSI Australia	Entire S&P ASX 200	Above A\$ 100 million
DJSI Korea	200 largest South Korean companies in the S&P Global BMI	Above US\$ 100 million
DJSI Korea Capped 25%		

³ For detailed information on the S&P Global BMI (Broad Market Index), please refer to the S&P Global BMI Methodology available at www.spglobal.com/spdji.

The Assessed Universe

The Assessed Universe, for each invited universe, consists of those companies from the Invited Universe with an S&P Global ESG Score. It is determined in the following steps:

1. List all companies of the Invited Universe.
2. Group the companies identified in Step 1 by region⁴ and industry, and then sum their total float-adjusted market caps.
3. Express each of the regional market cap totals from Step 2 as a percentage of the actual market caps of each region, and each of the industry market cap totals from Step 2 as a percentage of the actual market caps of each industry in the S&P Global BMI as of the prior year end.
4. If the percentage from Step 3 is less than 50% for a region and industry, add companies from the Invited Universe for that industry and that region with an S&P Global ESG Score.
5. Once the targeted 50% market capitalization coverage target is reached for each region and industry, no further companies are added to the Assessed Universe.

The Eligible Universe

The Eligible Universe for each index is created from the corresponding Assessed Universe. Within each Assessed Universe, companies with an S&P Global ESG Score that is less than 45% of the S&P Global ESG Score of the highest scoring company are disqualified. The remaining companies form the Eligible Universe.

Controversies: Media and Stakeholder Analysis Overlay

In addition to the above, S&P Global uses RepRisk, a leading data science company, for daily filtering, screening, and analysis of ESG risk incidents and controversial activities related to companies within the indices⁵.

In cases where risks are presented, S&P Global releases a Media and Stakeholder Analysis (MSA), which includes a range of issues such as economic crime and corruption, fraud, illegal commercial practices, human rights issues, labor disputes, workplace safety, catastrophic accidents, and environmental disasters.

The Index Committee reviews constituents flagged by S&P Global's MSA to evaluate the potential impact of controversial company activities on the composition of the indices. If the Index Committee decides to remove a company in question, that company is ineligible for reentry into the index for one full calendar year, beginning with the subsequent rebalancing.

For more information on RepRisk, please refer to www.reprisk.com. This service is not considered a direct contribution to the index construction process.

⁴ Regions for the Assessed Universe of the DJSI World include North America, Europe, and Asia Pacific.

⁵ RepRisk, an ESG data science company, leverages the combination of AI and machine learning with human intelligence to systematically analyze public information in 23 languages and identify material ESG risks. With daily data updates across 100+ ESG risk factors, RepRisk provides consistent, timely, and actionable data for risk management and ESG integration across a company's operations, business relationships, and investments.

Constituent Selection

The constituents of the DJSI indices are selected from each Eligible Universe to meet the Target % of Eligible Companies in each Eligible Industry, subject to buffer rules to reduce turnover:

1. Within each Eligible Industry, rank all Invited Companies in descending order by their S&P Global ESG Score.
2. Within each Eligible Industry, select those companies that are both in the Eligible Universe and in the top Target % of the ranked Invited Universe by count. A minimum of one eligible company will be selected, even if the Target % of the ranked Invited Universe is less than one.
3. From the remaining companies, select those in the Eligible Universe that are within 0.6 score points of the last selected company in step (2), even if this means that the Target % is exceeded.
4. Select from the remaining Eligible Companies those that meet the following criteria:
 - a. Existing constituents of the respective DJSI index.
 - b. In the top Buffer % of all Invited Companies by count in the given Eligible Industry.

The Target and Buffer percentages vary by DJSI benchmark index. Please refer to the table below for each specific benchmark:

Index	Target %	Buffer %
DJSI World	10	15
DJSI World Enlarged	20	30
DJSI Emerging Markets	10	15
Regions: <ul style="list-style-type: none">• DJSI Europe• DJSI North America• DJSI Asia/Pacific	20	30
DJSI Australia	30	45
DJSI Korea	30	45

Ethical Exclusion Sub-Indices

Ethical Exclusion sub-indices are constructed according to the following steps:

Companies in the entire selected universe (i.e., all companies selected for the DJSI) with the following business activities, as determined by Sustainalytics, are assigned the relevant exclusion tag.

Sustainalytics Category of Involvement	Sustainalytics Category of Involvement Description	Sustainalytics Involvement Proxy	S&P DJI Level of Involvement Threshold	Exclusion Tag
Adult Entertainment: Production	The company is involved in the production of adult entertainment and/or owns/operates adult entertainment establishments.	Revenues	>0%	Adult Entertainment
Adult Entertainment: Distribution	The company is involved in the distribution of adult entertainment materials.		>0%	Adult Entertainment
Alcoholic Beverages: Production	The company manufactures alcoholic beverages.	Revenues	>0%	Alcohol
Controversial Weapons: Tailor-made and Essential	The company is involved in the core weapon system, or components/services of the core weapon system that are considered tailor-made and essential for the lethal use of the weapon.	N/A	>0%	Armaments
Controversial Weapons: Significant Ownership (Tailor-made and Essential)	The company is involved, through corporate ownership, in the core weapon system, or components/services of the core weapon system that are considered tailor-made and essential for the lethal use of the weapon.		>0%	Armaments
Controversial Weapons: Tailor-made and Essential	The company is involved in the core weapon system, or components/services of the core weapon system that are considered tailor-made and essential for the lethal use of the weapon.		If "Nuclear" is included in the standard analysis text	Nuclear
Gambling: Operations	The company owns and/or operates a gambling establishment.	Revenues	>0%	Gambling
Gambling: Specialized Equipment	The company manufactures specialized equipment used exclusively for gambling.		>0%	Gambling
Military Contracting: Weapons	The company manufactures military weapon systems and/or integral, tailor-made components or these weapons.	Revenues	≥5%	Armaments
Military Contracting: Weapon Related Products and/or Services	The company provides tailor-made products and/or services that support military weapons.		≥5%	Armaments

Sustainalytics Category of Involvement	Sustainalytics Category of Involvement Description	Sustainalytics Involvement Proxy	S&P DJI Level of Involvement Threshold	Exclusion Tag
Nuclear Power: Production	The company produces nuclear power	Revenues	>0%	Nuclear ⁶
Nuclear Power: Distribution	The company distributes electricity generated from nuclear power.		>0%	Nuclear
Nuclear Power: Supporting Products and Services	The company provides products/services that support the nuclear power industry.		If "Uranium" is included in the standard analysis text	Nuclear
Small Arms: Civilian Customers (Assault Weapons)	The company manufactures and sells assault weapons to civilian customers.	Revenues	≥5%	Armaments
Small Arms: Key Components	The company manufactures and sells key components of small arms.		≥5%	Armaments
Small Arms: Military/Law Enforcement Customers	The company manufactures and sells small arms to military/law enforcement.		≥5%	Armaments
Small Arms: Retail/Distribution (Assault Weapons)	The company is involved in the retail and/or distribution of assault weapons.		≥5%	Armaments
Small Arms: Retail/Distribution (Non-Assault Weapons)	The company is involved in the retail and/or distribution of small arms (non-assault weapons).		≥5%	Armaments
Small Arms: Civilian Customers (Non-assault weapons)	The company manufactures and sells small arms (non-assault weapons) to civilian customers.		≥5%	Armaments
Tobacco: Production	The company manufactures tobacco products.		>0%	Tobacco

Constituent Weighting

The Dow Jones Sustainability Benchmark Indices are weighted by float-adjusted market capitalization. On a quarterly basis, the maximum weight of any index constituent is capped at 10% of the index. The DJSI Korea Capped 25% limits the weights of any stock to 25% at rebalancing.

Index Calculations

The index is 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 the Capped Market Capitalization Indices section of S&P Dow Jones Indices' Index Mathematics Methodology.

⁶ There is no direct exclusion tag for Nuclear. The Nuclear exclusion is used solely for the purpose of determining eligibility for the Dow Jones Sustainability World Index ex Armaments & Firearms, Nuclear, Gambling, Europe and Tobacco.

Index Maintenance

Rebalancing

Each index rebalances annually, effective at the open of trading on the Monday following the third Friday in December. Constituent changes as a result of the annual rebalancing are announced after the close of trading on the second Friday in December.

In addition to the annual rebalancing, the indices are reviewed on an ongoing basis to account for corporate actions. A change to the index composition and a related weight adjustment is necessary whenever there is an extraordinary event (e.g., delisting, bankruptcy, merger, takeover, etc.) involving an index constituent. In these cases, each event is accounted for as soon as it is effective. Such changes in an index's constituents are announced, whenever possible, two days prior to their implementation.

Ongoing Membership Review

S&P Global ESG Scores are reviewed on a monthly basis for data validity and to account for ongoing corporate controversies. These reviews are initiated by S&P Global or are conducted as part of a formal company review request. The increasingly frequent reviews of scores are a reflection of the changing dynamics in the ESG market and the growing relevance of ESG data to investors. As a result of these reviews, a company's S&P Global ESG Score may be revised upwards or downwards. In cases where the change is more than 0.6 points, S&P Dow Jones Indices will carry out a membership review as follows:

- **Additions.** Annually in June, companies whose S&P Global ESG Score has increased by more than 0.6 points will be added to any DJSI Index that they would have been selected for during the annual rebalancing if their revised score had been used. No constituent will be removed from the index as a result of any addition that may take place.
- **Deletions.** Quarterly in March, June, and September, companies whose S&P Global ESG Score has decreased by more than 0.6 points will be removed from any DJSI Index if their revised score would have made them ineligible to be considered for selection during the annual rebalancing. No constituent will be added to the index as a result of any deletion that may take place.

Any changes resulting from these reviews will take place effective after the close of the third Friday of the review month.

Quarterly Updates

The constituent shares outstanding and capping factors are reviewed and updated quarterly.

Changes to a constituent's shares and cap factors as a result of the quarterly updates are implemented after the closing values have been established on the third Friday in March, June, September and December, and are effective at the open of trading on the Monday following the third Friday.

Additions and Deletions

Additions. Generally, no companies are added to an index between annual rebalancings unless as a result of a spin off or demerger from an existing constituent, or as part of the ongoing membership review.

Deletions. Between annual rebalancings, a company can be deleted from the Dow Jones Sustainability Indices due to corporate events such as mergers, acquisitions, takeovers, and delistings, or as part of the

ongoing membership review. In addition, at the discretion of the Index Committee, a deletion may occur if an MSA case is raised.

Corporate Actions

Corporate actions (such as stock splits, stock dividends, spin-offs, and rights offerings) are applied after the close of trading on the day prior to the ex-date. Share changes resulting from exchange offers are applied on the ex-date.

For more information on Corporate Actions, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices Methodology.

Spin-offs and Demergers. A newly spun-off or demerged company qualifies for index inclusion if the float-adjusted market capitalization of the spun-off company is greater than US\$ 500 million. If a spun-off company is deemed ineligible for inclusion, the stock is added to the indices on the ex-date of the action and removed after at least one day of regular way trading.

A company added following a spin-off or demerger retains the S&P Global ESG Score of its parent company for selection purposes at the subsequent annual rebalancing.

Furthermore, the spun-off company takes on the exclusion flag of the parent company until the subsequent quarterly update, effective after the close of trading on the third Friday of March, June, September, and December, at which point the exclusion flags of both the parent and the child companies is reviewed.

The cutoff for spin-off activity is the last business day of the month prior to the update month (e.g., February 28 for the March rebalancing). Any spin-offs that become effective after that date are reviewed at the following quarterly update.

Mergers and Acquisitions. Exclusion flag updates as a result of merger and acquisition activity are updated with the subsequent quarterly rebalancing.

The cutoff for assessing the continuing eligibility for the acquirer or merged entity is the last business day of the month prior to the update month (e.g., February 28 for the March rebalancing); any corporate events effective after that date are reviewed at the following quarterly update.

Other Adjustments

In cases where there is no achievable market price for a stock being deleted, it may be removed at a zero or minimal price at the Index Committee's discretion, in recognition of the constraints faced by investors in trading bankrupt or suspended stocks.

Currency of Calculation and Additional Index Return Series

The DJSI indices are calculated in U.S. dollars and euros, except as noted in the table below.

Index	Currencies
Dow Jones Sustainability World Index	USD, EUR, CHF, GBP
Dow Jones Sustainability World Developed Index	USD, EUR, CHF
Dow Jones Sustainability Australia Index	USD, AUD
Dow Jones Sustainability Chile Index	USD, CLP
Dow Jones Sustainability Korea Index	USD, KRW
Dow Jones Sustainability Korea Capped 25% Index	USD, KRW
Dow Jones Sustainability U.S. Index	USD

Real-time spot Forex rates, as supplied by Refinitiv, are used for ongoing index calculation of real-time indices.

WM/Refinitiv foreign exchange rates are taken daily at 4:00 PM London Time and used in the end-of-day calculation of the indices. These mid-market fixings are calculated by The WM Company based on Refinitiv data and appear on Refinitiv pages WMRA.

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 the calculation of different types of indices, 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 shown in the table below.

Index	Launch Date	First Value Date	Base Date	Base Value
Dow Jones Sustainability World Index	09/08/1999	12/31/1993	12/31/1993	440.11
Dow Jones Sustainability World Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms	09/08/1999	12/31/1993	12/31/1993	434.70
Dow Jones Sustainability World Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment	07/01/2008	06/30/2008	06/30/2008	1000
Dow Jones Sustainability World Developed Index	09/12/2008	08/31/2008	08/31/2008	1000
Dow Jones Sustainability World Index ex Armaments & Firearms, Nuclear, Gambling, Europe and Tobacco	06/01/2006	05/31/2006	05/31/2006	1000
Dow Jones Sustainability Emerging Markets Index	02/21/2013	09/30/2012	09/30/2012	1000
Dow Jones Sustainability Emerging Markets Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms	10/24/2016	04/12/2013	04/12/2013	1000
Dow Jones Sustainability World Enlarged Index	11/30/2010	09/30/2005	09/30/2005	1000
Dow Jones Sustainability World Enlarged Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment	11/30/2010	09/30/2005	09/30/2005	1000
Dow Jones Sustainability North America Index	09/23/2005	12/31/1998	12/31/1998	100
Dow Jones Sustainability North America Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms	07/10/2014	04/12/2013	04/12/2013	125.77
Dow Jones Sustainability North America Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment	07/10/2014	04/12/2013	04/12/2013	111.45
Dow Jones Sustainability Europe Index	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Eurozone Index	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Eurozone Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Eurozone Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Nordic Index	11/30/2010	09/30/2005	09/30/2005	1000
Dow Jones Sustainability Asia/Pacific Index	01/16/2009	12/31/2003	12/31/2003	100
Dow Jones Sustainability Asia/Pacific Index ex Alcohol, Gambling	01/16/2009	12/31/2003	12/31/2003	100
Dow Jones Sustainability U.S. Index	09/23/2005	12/31/1998	12/31/1998	100
Dow Jones Sustainability Chile Index	09/28/2015	09/10/2014	09/10/2014	1000
Dow Jones Sustainability Australia Index	02/28/2006	10/29/2004	10/29/2004	1000
Dow Jones Sustainability Korea Index	10/20/2009	12/30/2005	12/30/2005	1000
Dow Jones Sustainability Korea Capped 25% Index	06/20/2016	12/30/2005	12/30/2005	1000
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment	08/04/2010	09/28/2001	09/28/2001	100
Dow Jones Sustainability Eurozone Index	08/04/2010	09/28/2001	09/28/2001	100

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

The indices are managed by the DJSI Index Committee. The Index Committee meets regularly. 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 as well as their corresponding weights and index shares effective for the upcoming rebalancing. Since index shares are assigned based on prices seven business days prior to the rebalancing, the actual weight of each stock at the rebalancing differs from these weights due to market movements.

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 WM Reuters' 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.

Real-Time Calculation

Real-time, intra-day, index calculations are executed for certain indices whenever any of their primary exchanges are open. Real-time indices are not restated.

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 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	Return Type	Bloomberg	Reuters
Dow Jones Sustainability World Index (USD)	Price Return	W1SGI	.W1SGI
	Net Total Return	W1SGITR	.W1SGITRD
Dow Jones Sustainability World Index (EUR)	Price Return	W1SGIE	.W1SGIE
	Net Total Return	W1SGITRE	.W1SGITRE
Dow Jones Sustainability World Index (CHF)	Price Return	W1SGIC	.W1SGIC
	Net Total Return	W1SGITRC	.W1SGITRC
Dow Jones Sustainability World Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (USD)	Price Return	W1SUS	.W1SUS
	Net Total Return	W1SUSTRD	.W1SUSTRD
Dow Jones Sustainability World Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (EUR)	Price Return	W1SUSE	.W1SUSE
	Net Total Return	W1SUSTRE	.W1SUSTRE
Dow Jones Sustainability World Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment (USD)	Price Return	W1X4X	.W1X4X
	Net Total Return	W1X4XTD	.W1X4XTD
Dow Jones Sustainability World Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment (EUR)	Price Return	W1X4XE	.W1X4X3
	Net Total Return	W1X4XTE	.W1X4XTE
Dow Jones Sustainability World Developed Index (USD)	Price Return	W3SGI	.W3SGI
	Net Total Return	W3SGIT	.W3SGIT
Dow Jones Sustainability World Developed Index (EUR)	Price Return	W3SGIE	.W3SGIE
	Net Total Return	W3SGIRE	.W3SGIRE
Dow Jones Sustainability World Developed Index (CHF)	Price Return	W3SGIC	.W3SGIC
	Net Total Return	W3SGILC	.W3SGILC
Dow Jones Sustainability Emerging Markets Index (USD)	Price Return	DJSEMUP	.DJSEMUP
	Net Total Return	DJSEMUN	.DJSEMUN
Dow Jones Sustainability Emerging Markets Index (EUR)	Price Return	DJSEMEP	.DJSEMEP
	Net Total Return	DJSEMEN	.DJSEMEN
Dow Jones Sustainability Emerging Markets Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (USD)	Price Return	DJSEMXP	--
	Net Total Return	DJSEMUN	--
Dow Jones Sustainability Emerging Markets Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (EUR)	Price Return	DJSEMXP	--
	Net Total Return	DJSEMEN	--
Dow Jones Sustainability World Enlarged Index (USD)	Price Return	DJSWEC	.DJSWEC
	Net Total Return	DJSWECDT	.DJSWECDT
Dow Jones Sustainability World Enlarged Index (EUR)	Price Return	DJSWECE	.DJSWECE
	Net Total Return	DJSWECET	.DJSWECET
Dow Jones Sustainability World Enlarged Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment (USD)	Price Return	DJSWEX4E	.DJSWEX4E
	Net Total Return	DJSWEX4T	.DJSWEX4T
Dow Jones Sustainability World Enlarged Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment (EUR)	Price Return	DJSWEX4D	.DJSWEX4D
	Net Total Return	DJSWEX4R	.DJSWEX4R
Dow Jones Sustainability North America Index (USD)	Price Return	A1SGI	.A1SGI
	Net Total Return	A1SGITR	.A1SGITR
Dow Jones Sustainability North America Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (USD)	Price Return	A1SUS	.A1SUS
	Net Total Return	A1SUSNT	.A1SUSNT
Dow Jones Sustainability North America Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (EUR)	Price Return	A1SUSE	.A1SUSE
	Net Total Return	A1SUSNTE	.A1SUSNTE

Index	Return Type	Bloomberg	Reuters
Dow Jones Sustainability North America Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment (USD)	Price Return	A1SUSAE	.A1SUSAE
	Net Total Return	A1SUSAENT	.A1SUSAENT
Dow Jones Sustainability North America Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms and Adult Entertainment (EUR)	Price Return	A1SUSAE	.A1SUSAE
	Net Total Return	A1SUSAENTE	.A1SUSAENTE
Dow Jones Sustainability Europe Index (USD)	Price Return	DJSEURD	.DJSEURD
	Net Total Return	DJSEURDT	.DJSEURDT
Dow Jones Sustainability Europe Index (EUR)	Price Return	DJSEUR	.DJSEUR
	Net Total Return	DJSEURT	.DJSEURT
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (USD)	Price Return	DJSEUXAD	.DJSEUXAD
	Net Total Return	DJSEUXAR	.DJSEUXAR
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (EUR)	Price Return	DJSEUXA	.DJSEUXA
	Net Total Return	DJSEUXAT	.DJSEUXAT
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms & Adult Entertainment (USD)	Price Return	DJSENAED	.DJSENAED
	Net Total Return	DJSENAER	.DJSENAER
Dow Jones Sustainability Europe Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms & Adult Entertainment (EUR)	Price Return	DJSENAE	.DJSENAE
	Net Total Return	DJSENAET	.DJSENAET
Dow Jones Sustainability Eurozone Index (USD)	Price Return	DJSEUZD	.DJSEUZD
	Net Total Return	DJSEUZDT	.DJSEUZDT
Dow Jones Sustainability Eurozone Index (EUR)	Price Return	DJSEUZ	.DJSEUZ
	Net Total Return	DJSEUZT	.DJSEUZT
Dow Jones Sustainability Eurozone Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (USD)	Price Return	DJSEZXAD	.DJSEZXAD
	Net Total Return	DJSEZXAR	.DJSEZXAR
Dow Jones Sustainability Eurozone Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms (EUR)	Price Return	DJSEZX	.DJSEZX
	Net Total Return	DJSEZXAT	.DJSEZXAT
Dow Jones Sustainability Eurozone Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms & Adult Entertainment (USD)	Price Return	DJSZXAED	.DJSZXAED
	Net Total Return	DJSZXAER	.DJSZXAER
Dow Jones Sustainability Eurozone Index ex Alcohol, Tobacco, Gambling, Armaments & Firearms & Adult Entertainment (EUR)	Price Return	DJSZXA	.DJSZXA
	Net Total Return	DJSZXAET	.DJSZXAET
Dow Jones Sustainability Nordic Index (USD)	Price Return	DJSND	.DJSND
	Net Total Return	DJSNDT	.DJSNDT
Dow Jones Sustainability Nordic Index (EUR)	Price Return	DJSNE	.DJSNE
	Net Total Return	DJSNET	.DJSNET
Dow Jones Sustainability Asia Pacific Index (USD)	Price Return	P1SGI	.P1SGI
	Net Total Return	P1SGITR	.P1SGITR
Dow Jones Sustainability Asia Pacific Index excluding Alcohol, Gambling, Tobacco, Armaments and Firearms (USD)	Price Return	P1SUS	.P1SUS
	Net Total Return	P1SUSTR	.P1SUSTR
Dow Jones Sustainability U.S. Index (USD)	Price Return	AASGI	.AASGI
	Net Total Return	AASGITR	.AASGITR
Dow Jones Sustainability Chile (USD)	Price Return	DJSCLUP	--
	Total Return	DJSCLUT	--
	Net Total Return	DJSCLUN	--
Dow Jones Sustainability Chile (CLP)	Price Return	DJSCLCP	--
	Total Return	DJSCLCT	--
	Net Total Return	DJSCLCN	--
Dow Jones Sustainability Australia Index (AUD)	Price Return	SAMAU	.SAMAU
	Net Total Return	SAMAUT	.SAMAUT
Dow Jones Sustainability Korea Index (KRW)	Price Return	DJSIK	.DJSIK
	Net Total Return	DJSIKT	.DJSIKT
Dow Jones Sustainability Korea Capped 25% Index (KRW)	Price Return	DJSKC2	--
	Total Return	DJSKC2T	--

Index Data

Daily stock level and index data are available via subscription.

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

Web site

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

Appendix I

Sustainability Scoring Process

The key factor in selecting constituents for any DJSI index is a company's S&P Global ESG Score, calculated under S&P Global ESG Research's annual Corporate Sustainability Assessment (CSA). The first CSA was undertaken in 1999, with the launch of the original family of DJSI indices.

The annual CSA process normally begins in April each year, with new scores released in September.

The first step in the CSA process is the definition of the companies to be invited to participate in the CSA (the "Invited Universe"). The Invited Universe varies among the different DJSI sub-families (DJSI World, DJSI Emerging Markets, etc.) and is designed to ensure that each sub-family index tracks the larger market, as represented by a relevant broad market benchmark.

Companies in each Invited Universe are asked to respond to an extensive industry-specific CSA questionnaire. The CSA invitations are sent out each April, and a current list is available at <https://www.spglobal.com/esg/csa/indices/>, where a more detailed review of the CSA methodology is also available.

Not all companies in a given Invited Universe choose to respond to the CSA questionnaire. Where such non-participating companies meet certain size criteria, S&P Global ESG Research completes the CSA questionnaire, to the extent possible, based on publicly available information to ensure that certain minimum representativeness requirements are met. The minimum requirements also vary among the DJSI index sub-families, as described in *The Assessed Universe*. S&P Global ESG Research assigns a zero score to any question in the CSA questionnaire where no information is available, as it is unknown whether the company has the applicable measure in place.

The result of the annual CSA process is the creation of an "Assessed Universe" for each member of the DJSI family. This is the universe of companies for which S&P Global ESG Scores are calculated based on the CSA questionnaire, either through the participation of the companies, or through the use of publicly available information. See *The Assessed Universe* for details of this process.

An integral component of the Corporate Sustainability Assessment is the ongoing monitoring of media and stakeholder commentaries, and other publicly available information from consumer organizations, NGOs, governments and international organizations, to identify companies' involvement and response to environmental, economic and social crisis situations that may have a damaging effect on their reputation and core business. Throughout the year, S&P Global ESG Research monitors environmental, social, and governance (ESG) risk incident coverage of companies in the universe on a daily basis provided by RepRisk, an ESG data science firm. RepRisk leverages the combination of AI and machine learning with human intelligence to systematically analyze public information in 23 languages and identify material ESG risks. With daily data updates across 100+ ESG risk factors, RepRisk provides consistent, timely, and actionable data for risk management and ESG integration across a company's operations, business relationships, and investments. For more information on RepRisk, please refer to their website: www.reprisk.com.

In the course of the CSA process, companies are assigned to one of the industries defined by S&P Global ESG Research (the "S&P Global CSA Industries"). S&P Global ESG Research uses the Global Industry Classification System (GICS[®]) as its starting point for determining industry classification. At the industry group and sector levels, the S&P Global CSA Industries match the standard GICS classifications, but some non-standard aggregations are done at the industry level. Please see the [S&P Global CSA Industry-GICS Sub-Industry Mapping](#) file for more details.

Not all S&P Global ESG CSA Industries are necessarily represented in every DJSI index, due to the minimum eligibility thresholds as described in *The Eligible Universe*.

Appendix II

DJSI Family Structure

Country/Region	DJSI World	DJSI World Enlarged	DJSI Emerging Markets	DJSI Asia Pacific	DJSI Europe	DJSI North America	DJSI Australia	DJSI Chile	DJSI Korea & Korea Capped 25%
Australia	•	•		•			•		
Austria	•	•			•				
Belgium	•	•			•				
Brazil	•	•	•						
Canada	•	•				•			
Chile	•	•	•					•	
China	•	•	•						
Colombia	•	•	•						
Czech Republic	•	•	•						
Denmark	•	•			•				
Egypt	•	•	•						
Finland	•	•			•				
France	•	•			•				
Germany	•	•			•				
Greece	•	•	•						
Hong Kong	•	•		•					
Hungary	•	•	•						
India	•	•	•						
Indonesia	•	•	•						
Ireland	•	•			•				
Israel	•	•							
Italy	•	•			•				
Japan	•	•		•					
Kuwait	•	•	•						
Luxembourg	•	•			•				
Malaysia	•	•	•						
Mexico	•	•	•						
Morocco	•	•	•						
Netherlands	•	•			•				
New Zealand	•	•		•					
Norway	•	•			•				
Peru	•	•	•						
Philippines	•	•	•						
Poland	•	•	•						
Portugal	•	•			•				
Qatar	•	•	•						
Russia	•	•	•						
Saudi Arabia	•	•	•						
Singapore	•	•		•					

Country/Region	DJSI World	DJSI World Enlarged	DJSI Emerging Markets	DJSI Asia Pacific	DJSI Europe	DJSI North America	DJSI Australia	DJSI Chile	DJSI Korea & Korea Capped 25%
South Africa	•	•	•						
South Korea	•	•		•					•
Spain	•	•			•				
Sweden	•	•			•				
Switzerland	•	•			•				
Taiwan	•	•	•						
Thailand	•	•	•						
Turkey	•	•	•						
United Arab Emirates	•	•	•						
United Kingdom	•	•			•				
United States	•	•				•			

Appendix III

Exclusion Tag Definitions

Exclusion Tag	Description
A40001001	Alcohol & Armaments
A40011000	Alcohol & Adult Entertainment
A40001010	Alcohol & Gambling
A40001100	Alcohol & Tobacco
A40010000	Adult Entertainment
A40011010	Alcohol, Gambling & Adult Entertainment
A40001110	Alcohol, Gambling & Tobacco
A40001000	Alcohol
A40000001	Armaments
A40011100	Alcohol, Tobacco & Adult Entertainment
A40010010	Adult Entertainment & Gambling
A40000010	Gambling
A40000100	Tobacco
A40100000	Other (no exclusions applied)

Appendix IV

Methodology Changes

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

Change	Effective Date (After Close)	Methodology	
		Previous	Updated
Ongoing Membership Review: Additions	06/30/2022	Annually in March, companies whose S&P Global ESG Score has increased by more than 0.6 points will be added to any DJSI Index that they would have been selected for during the annual rebalancing if their revised score had been used. No constituent will be removed from the index as a result of any addition that may take place.	Annually in June, companies whose S&P Global ESG Score has increased by more than 0.6 points will be added to any DJSI Index that they would have been selected for during the annual rebalancing if their revised score had been used. No constituent will be removed from the index as a result of any addition that may take place.
Rebalancing	06/30/2022	Each index rebalances annually, effective at the open of trading on the Monday following the third Friday in September. Constituent changes as a result of the annual rebalancing are announced after the close of trading on the second Friday in September.	Each index rebalances annually, effective at the open of trading on the Monday following the third Friday in December. Constituent changes as a result of the annual rebalancing are announced after the close of trading on the second Friday in December.
Ongoing Membership review	11/19/2021	--	Annually in March, companies whose S&P Global ESG Score has increased by more than 0.6 points will be added to any DJSI Index that they would have been selected for during the annual rebalancing if their revised score had been used. No constituent will be removed from the index as a result of any addition that may take place. Quarterly in December, March and June, companies whose S&P Global ESG Score has decreased by more than 0.6 points will be removed from any DJSI Index if their revised score would have made them ineligible to be considered for selection during the annual rebalancing. No constituent will be added to the index as a result of any deletion that may take place.

Change	Effective Date (After Close)	Methodology	
		Previous	Updated
The Eligible Universe	11/23/2020 ⁷	<ol style="list-style-type: none"> 1. Within the Assessed Universe, disqualify companies with a TSS that is less than 40% of the TSS of the highest scoring company in the Assessed Universe of the respective index. 2. Ensure that there are sufficient companies within each industry with a TSS to select at least one company in each industry according to the relevant selection rules for each index. In the event that there are insufficient companies available from a specific industry, industries may be combined within a GICS® Industry Group. Industries are combined considering comparability of scores and sustainability issues addressed; the resulting industries are referred to as Eligible Industries. As the number of companies in each industry with a TSS can vary from year to year, the industry combinations are subject to review on an annual basis. 3. The remaining companies form the Eligible Universe. 	The Eligible Universe is created from the Assessed Universe for the DJSI benchmark indices. Within the Assessed Universe, companies with an S&P Global ESG Score that is less than 45% of the S&P Global ESG Score of the highest scoring company in the Assessed Universe of the respective index are disqualified. The remaining companies form the Eligible Universe.
Constituent Selection: Step 3	11/23/2020	From the remaining companies, select those in the Eligible Universe that are within 0.3 score points of the last selected company in step (2), even if this means that the Target % is exceeded.	From the remaining companies, select those in the Eligible Universe that are within 0.6 score points of the last selected company in step (2), even if this means that the Target % is exceeded.
Merger/ Acquisition Treatment	06/16/2017	<p>If the target company is a DJSI constituent, the following rules apply:</p> <p>If the DJSI constituent represents less than 33% of the total float-adjusted market capitalization of the new entity, the DJSI constituent is removed from the indices.</p> <p>If the DJSI constituent represents between 33% and 66% of the total float-adjusted market capitalization of the new entity, the Total Sustainability Scores of the two companies are merged, based on the proportional float-adjusted market cap weightings of both entities compared to the new float-adjusted market capitalization of the new consolidated entity.</p> <p>In all other cases, the merged company is included in the index if the float-adjusted market capitalization weighted average Total Sustainability Score of the merged entities is equal to or above the index's Buffer % (see Constituent Selection) and no MSA case warranting exclusion is flagged.</p>	If a DJSI constituent takes over a non-DJSI constituent, the DJSI constituent remains in the index.
Ethical Exclusion Provider	09/16/2016	Ethical exclusion research provided by EIRIS.	Ethical exclusion research provided by Sustainalytics.
Exclusion Criteria	07/01/2015	Companies dealing in nuclear weapons were excluded under the Armaments exclusion flag, which uses a 5% threshold for exclusion.	Nuclear Weapons is now separate from Nuclear (now Nuclear Power) and uses a 0% threshold for exclusion.
Corporate Action Treatment	10/01/2015	Constituent and exclusion flag changes were applied to the indices shortly following the effective date of the corporate action.	Constituent and exclusion flag changes will be applied on a quarterly basis after the close of trading on the third Friday of March, June, September, and December.

⁷ In 2020 and 2021, the deadline for the CSA process was extended due to the impact caused by the COVID-19 pandemic. As such, the 2020 and 2021 rebalancings were similarly postponed to November.

Disclaimer

© 2022 S&P Dow Jones Indices. All rights reserved. S&P, S&P 500, S&P 500 LOW VOLATILITY INDEX, S&P 100, S&P COMPOSITE 1500, S&P 400, S&P MIDCAP 400, S&P 600, S&P SMALLCAP 600, S&P GIVI, GLOBAL TITANS, DIVIDEND ARISTOCRATS, S&P TARGET DATE INDICES, S&P PRISM, S&P STRIDE, GICS, SPIVA, SPDR and INDEXOLOGY are registered trademarks of S&P Global, Inc. (“S&P Global”) or its affiliates. DOW JONES, DJ, DJIA, THE DOW and DOW JONES INDUSTRIAL AVERAGE are registered trademarks of Dow Jones Trademark Holdings LLC (“Dow Jones”). These trademarks together with others have been licensed to S&P Dow Jones Indices LLC. Redistribution or reproduction in whole or in part are prohibited without written permission of S&P Dow Jones Indices LLC. This document does not constitute an offer of services in jurisdictions where S&P Dow Jones Indices LLC, S&P Global, Dow Jones or their respective affiliates (collectively “S&P Dow Jones Indices”) do not have the necessary licenses. Except for certain custom index calculation services, all information provided by S&P Dow Jones Indices is impersonal and not tailored to the needs of any person, entity or group of persons. S&P Dow Jones Indices receives compensation in connection with licensing its indices to third parties and providing custom calculation services. Past performance of an index is not an indication or guarantee of future results.

It is not possible to invest directly in an index. Exposure to an asset class represented by an index may be available through investable instruments based on that index. S&P Dow Jones Indices does not sponsor, endorse, sell, promote or manage any investment fund or other investment vehicle that is offered by third parties and that seeks to provide an investment return based on the performance of any index. S&P Dow Jones Indices makes no assurance that investment products based on the index will accurately track index performance or provide positive investment returns. S&P Dow Jones Indices LLC is not an investment advisor, and S&P Dow Jones Indices makes no representation regarding the advisability of investing in any such investment fund or other investment vehicle. A decision to invest in any such investment fund or other investment vehicle should not be made in reliance on any of the statements set forth in this document. Prospective investors are advised to make an investment in any such fund or other vehicle only after carefully considering the risks associated with investing in such funds, as detailed in an offering memorandum or similar document that is prepared by or on behalf of the issuer of the investment fund or other investment product or vehicle. S&P Dow Jones Indices LLC is not a tax advisor. A tax advisor should be consulted to evaluate the impact of any tax-exempt securities on portfolios and the tax consequences of making any particular investment decision. Inclusion of a security within an index is not a recommendation by S&P Dow Jones Indices to buy, sell, or hold such security, nor is it considered to be investment advice.

These materials have been prepared solely for informational purposes based upon information generally available to the public and from sources believed to be reliable. No content contained in these materials (including index data, ratings, credit-related analyses and data, research, valuations, model, software or other application or output therefrom) or any part thereof (“Content”) may be modified, reverse-engineered, reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of S&P Dow Jones Indices. The Content shall not be used for any unlawful or unauthorized purposes. S&P Dow Jones Indices and its third-party data providers and licensors (collectively “S&P Dow Jones Indices Parties”) do not guarantee the accuracy, completeness, timeliness or availability of the Content. S&P Dow Jones Indices Parties are not responsible for any errors or omissions, regardless of the cause, for the results obtained from the use of the Content. THE CONTENT IS PROVIDED ON AN “AS IS” BASIS. S&P DOW JONES INDICES PARTIES DISCLAIM ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE CONTENT’S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE CONTENT WILL OPERATE WITH ANY SOFTWARE OR HARDWARE CONFIGURATION. In no event shall S&P Dow Jones Indices Parties be

liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of the Content even if advised of the possibility of such damages.

S&P Global keeps certain activities of its various divisions and business units separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain divisions and business units of S&P Global may have information that is not available to other business units. S&P Global has established policies and procedures to maintain the confidentiality of certain non-public information received in connection with each analytical process.

In addition, S&P Dow Jones Indices provides a wide range of services to, or relating to, many organizations, including issuers of securities, investment advisers, broker-dealers, investment banks, other financial institutions and financial intermediaries, and accordingly may receive fees or other economic benefits from those organizations, including organizations whose securities or services they may recommend, rate, include in model portfolios, evaluate or otherwise address.

The Global Industry Classification Standard (GICS[®]) was developed by and is the exclusive property and a trademark of S&P and MSCI. Neither MSCI, S&P nor any other party involved in making or compiling any GICS classifications makes any express or implied warranties or representations with respect to such standard or classification (or the results to be obtained by the use thereof), and all such parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability, or fitness for a particular purpose with respect to any of such standard or classification. Without limiting any of the foregoing, in no event shall MSCI, S&P, any of their affiliates or any third party involved in making or compiling any GICS classifications have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages.