

S&P/TSX Renewable Energy and Clean Technology Index *Methodology*

September 2015

Table of Contents

Introduction	3
Partnership	3
Eligibility Criteria	4
Eligibility Factors	4
Timing of Changes	5
Index Construction	6
Approaches	6
Index Calculations	6
Multiple Classes of Stock	6
Index Maintenance	7
Rebalancing	7
Corporate Actions	8
Currency of Calculation	8
Base Date	8
Other Adjustments	8
Index Data	9
Total Return Indices	9
Index Governance	10
Index Committee	10
Advisory Panel	11

Index Policy	12
Announcements	12
Holiday Schedule	12
Unscheduled Market Closures	12
Treatment of Corporate Actions in the Event of Unscheduled Market Closures	13
Recalculation Policy	13
Index Dissemination	14
Tickers	14
FTP	14
Appendix I	15
Capping Methodology	15
Appendix II	16
Renewable Energy and Clean Technology Classification System	16
The Context for a Renewable Energy and Clean Technology Index	16
Index Construction	16
Thematic Sectors	18
Thematic Research	22
Appendix III	23
Defined Terms	23
Appendix IV	24
Methodology Changes	24
S&P Dow Jones Indices' Contact Information	25
Index Management	25
Business Development	25
Media Relations	25
Client Services	25
Disclaimer	26

Introduction

The S&P/TSX Renewable Energy and Clean Technology Index[®] measures the performance of companies listed on the TSX whose core business is in the development and deployment of green technologies. It includes common stock and income trust units, and is calculated in real-time.

Renewable Energy and Clean Technology companies are drawn from those companies within the TSX investable universe of public companies whose activities provide value-added solutions to environmental problems. Sustainalytics screens TSX listed securities according to a methodology which first evaluates companies for inclusion based on involvement in and strategic commitment to five environmental themes:

1. Renewable Energy – Production and Distribution (e.g. renewable energy developers and independent power producers);
2. Renewable Energy – Manufacturing and Technologies (e.g. equipment and components for the renewable energy industry);
3. Energy Efficiency (e.g. industrial automation and controls; and energy-efficient equipment);
4. Waste Reduction and Water Management (e.g. providing potable water, source reduction and in-process recycling);
5. Low Impact Materials and Products (e.g. organic foods).

For details regarding the Renewable Energy and Clean Technology Classification System developed by Sustainalytics, please refer to Appendix II.

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.

Partnership

The S&P/TSX Renewable Energy and Clean Technology Index is calculated and managed by S&P Dow Jones Indices. TMX Group (TMX) is the owner and distributor of all S&P/TSX equity index data. Sustainalytics provides the classification scheme and screens the universe of eligible securities. Sustainalytics is one of the world's leading providers of ESG (environmental, social and governance) research and analysis.

Eligibility Criteria

Eligibility Criteria are reviewed annually to ensure consistency with market conditions.

For a list of defined terms used in this document, please refer to Appendix III.

Eligibility Factors

Renewable Energy and Clean Technology Classification. To be eligible for inclusion in the S&P/TSX Renewable Energy and Clean Technology Index, a security must be classified as a renewable and clean technology company according to the renewable and clean technology classification system used to screen all securities listed on the TSX. Stocks are classified by Sustainalytics according to criteria which include five key thematic areas: 1) Renewable Energy – Production and Distribution, 2) Renewable Energy – Manufacturing and Technologies, 3) Energy Efficiency, 4) Waste Reduction and Water Management, and 5) Low Impact Materials and Products.

For details regarding Renewable Energy and Clean Technology classification system developed by Sustainalytics, please refer to Appendix II.

Market Capitalization. To be eligible for inclusion in the S&P/TSX Renewable Energy and Clean Technology Index, the security must be greater than or equal to C\$ 100 million in quoted (float-adjusted) market value (QMV), based on the volume weighted average price (VWAP), over the last three trading days of the month-end prior to the Annual Review.

For details regarding float methodology, please refer to S&P Dow Jones Indices' Float Adjustment Methodology on www.spdji.com.

Liquidity. Based on available public information, a security must meet the following criteria to be considered eligible for index inclusion.

- The float-adjusted turnover ratio, as measured by comparing the 12-month trading volume relative to the current float shares, must be at least 0.20. For the purpose of this calculation, the float shares of an issuer that has more than one class of listed common shares are combined. The volume is based on the volume of the eligible class.

Refer to the Index Construction section for additional information on the treatment of multiple classes of a security.

Domicile. Issuers of index securities must be incorporated, established in the case of income trusts, or formed in the case of limited partnerships, under Canadian federal, provincial, or territorial jurisdictions and listed on the TSX.

Eligible Securities. Securities issued by mutual fund corporations, preferred shares, exchangeable shares, warrants, installment receipts and other securities deemed inappropriate by the Index Committee, from time to time, are not eligible for inclusion in the index. Installment receipts are not eligible for inclusion in the index, but can be used in lieu of common share trading history. Securities that are “paper-clipped” combinations of equity and debt, and which can be separated by holders, are not eligible. “Stapled” securities, in which a combination of securities trade as one and cannot be broken apart, are eligible for inclusion. Income Deposit Securities (IDS), Enhanced Income Securities (EIS) and Income Participating Securities (IPS) are paper-clipped and, therefore, are ineligible.

To be included in the Eligible Securities Pool, securities must be listed on the TSX for at least six full calendar months as of the month-end prior to the applicable Annual Review.

Shares Outstanding. The shares counted for index calculation are issued and outstanding shares of a security (rounded to the nearest thousand). This count is float-adjusted to reflect only shares available to the public.

Capping. The relative weight of any single index constituent is capped at 10%.

For the Capping Methodology, please refer to Appendix I.

For details regarding float methodology, please refer to S&P Dow Jones Indices’ Float Adjustment Methodology on www.spdji.com.

Timing of Changes

Additions. Additions to the S&P/TSX Renewable Energy and Clean Technology Index are generally only made as part of the Annual Review.

Deletions. A security is removed from the index at the first practical date following the Committee’s determination that a corporate action has been successful. The target announcement period is two-to-five business days, but exceptions may apply due to unexpected corporate activity.

Index Construction

Approaches

The S&P/TSX Renewable Energy and Clean Technology Index is designed to be representative of the Canadian Renewable Energy and Clean Technology market.

Index Calculations

The index is calculated by means of the divisor method used in most S&P Dow Jones Indices' equity indices. The index value is simply the index market value divided by the index divisor.

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

Multiple Classes of Stock

S&P/TSX Indices includes all publicly listed multiple share class lines separately in its float market cap (FMC) weighted indices subject to liquidity and float criteria currently in place for each index. Each class of listed shares on TSX will be treated as a separate security with actual shares outstanding for each class and separate IWFs. The decision to include each publicly listed share class is evaluated line by line; the weight of each line will only reflect its own float, not the combined float of all company lines. It is possible that one listed share class line may be included in the S&P/TSX Renewable Energy and Clean Technology index while a second listed share class line of the same company is excluded. Unlisted share class lines are not combined with any listed share class lines, but these unlisted share class lines are included when computing company total market capitalization.

In the case of securities that have constrained shares (foreign ownership constraints on a particular class of shares), the calculation of float shares is based on the total issued and outstanding shares of all classes, not on each class separately.

Index Maintenance

Rebalancing

The index is reviewed annually, to be effective on the third Friday in September, and all Index Securities that, in the opinion of the Index Committee, do not meet the Eligibility Criteria are removed. Added securities, if any, are also selected using the Eligibility Criteria.

1. Securities under consideration for addition to or deletion from the index are assessed by the Index Committee on the basis of the 12-month data ending August of each year, with respect to trading on the TSX. Publicly available information which pertains to shares outstanding (rounded to the nearest thousand) and Investable Weight Factors (IWF), up to and including the last business day of August are considered in the Annual Review.

For details regarding float methodology, please refer to S&P Dow Jones Indices' Float Adjustment Methodology on www.spdji.com.

2. Securities that the Index Committee determines meet the Eligibility Criteria are added to the index at the Annual Review.
3. Index Securities that the Index Committee determines fail to meet Eligibility Criteria are removed from the index at the Annual Review. A press release is issued to the market within the first 10 business days of September, announcing the additions and deletions as well as the new float shares for index calculation.

Frequency. Rebalancings occur annually in September. Intra-year changes are made on an as needed basis. Changes occur in response to corporate actions and market developments. The target announcement period is two-to-five business days, but exceptions may apply due to unexpected corporate activity.

Share Updates. At the Quarterly Share Update, there is a complete share update for the index (in March, June, September, and December). This update includes all cumulative changes to shares outstanding of all Index Securities. Changes to control block positions take place at the annual rebalancing. However, if changes are made to index constituents that are also members of the S&P/TSX Composite Index or S&P/TSX SmallCap Index, the changes flow through to the S&P/TSX Renewable Energy and Clean Technology Index constituents immediately. Outstanding shares are rounded to the nearest thousand.

If a company is added to the S&P/TSX Composite Index or the S&P/TSX SmallCap Index, its IWF and shares outstanding are subject to review at the time of the addition to the more senior index. Such changes may flow through to the S&P/TSX Renewable Energy and Clean Technology Index.

For details regarding float methodology, please refer to S&P Dow Jones Indices' Float Adjustment Methodology on www.spdji.com.

Corporate Actions

Refer to the S&P/TSX Composite Index methodology document for treatment of corporate actions. These same procedures are applied to the S&P/TSX Renewable Energy and Clean Technology Index.

For general information on corporate actions, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document located on our Web site, www.spdji.com.

Currency of Calculation

The S&P/TSX Renewable Energy and Clean Technology Index is calculated in Canadian dollars. Calculation in other currencies and hedged calculations are available from S&P Dow Jones Indices on a custom basis.

Base Date

The base date for the S&P/TSX Renewable Energy and Clean Technology Index is March 24, 2010 and the base level is 100.

Other Adjustments

Refer to the S&P/TSX Composite Index methodology document for treatment of Other Adjustments. These same procedures are applied to the S&P/TSX Renewable Energy and Clean Technology Index.

Index Data

Total Return Indices

A total return index series is calculated for the S&P/TSX Renewable Energy and Clean Technology Index as well as the price return series.

The total return calculation includes stock dividends paid in kind, stock dividends paid with the securities of an issuer other than the issuer declaring such dividend, rights distributions, and cash distributions less than 4% of the underlying stock price based on the last traded board lot.

A dollar value is calculated for the distribution to be used in the total return index calculation.

For details on total return calculations, please refer to S&P Dow Jones Indices' Index Mathematics Methodology.

Index Governance

Index Committee

The S&P/TSX Canadian indices are maintained by the S&P/TSX Canadian Index Committee. The Index Committee is comprised of four members representing S&P Dow Jones Indices and three members representing the Toronto Stock Exchange (“TSX”). The Index Committee is chaired by a member designated by S&P Dow Jones Indices. Meetings are held monthly, and from time to time, as needed.

The Index Committee is responsible for setting rules and policies for the S&P/TSX Canadian Indices, determining the composition of the Indices and administering the methodology. In fulfilling its responsibilities, the Index Committee has full and complete discretion to amend, apply or exempt the application of the methodology and other index policies as circumstances may require, and add, remove or by-pass any security in determining the composition of any of the indices.

The Index Committee may rely on any information or documentation submitted to or gathered by it that the Index Committee believes to be accurate. Where a public document used by the Index Committee is available in both official languages, the Index Committee shall assume that the contents of both versions are identical. The Index Committee reserves the right to reinterpret publicly available information and to make changes to the index based on a new interpretation of that information at its sole and absolute discretion.

Index corrections and changes to index composition are implemented at such time and in such manner, as the Index Committee deems appropriate. The timing of any index change made in response to a correction shall be at the sole and absolute discretion of the Index Committee.

Stock prices, VWAPs, and prices used to calculate QMV shall be prices determined by trading on the TSX. Trading volume is determined by trading on the TSX, Aequis (Lit and Neo), Alpha, Chi-X, CSE (Pure Trading), CX2, Lynx, TMX Select (Excluded after September 2016 review) and Omega.

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

Advisory Panel

S&P Dow Jones Indices maintains an Index Advisory Panel to provide advice to the Index Committee, to S&P Dow Jones Indices and to the TSX on index related matters. The Advisory Panel meets at the request of the Index Committee to discuss matters related to the use of equity indices in Canada; typically the Advisory Panel meets annually. The Index Committee designates members of the Advisory Panel to provide representation of major financial market entities including leading institutional investors, investment banks, brokerage firms and others with an interest in the development of the equity markets in Canada. Meetings of the Advisory Panel are not open to the public or the press; however, the proceedings are not confidential and members are free to discuss them publicly.

For information on Quality Assurance and Internal Reviews of Methodology, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document located on our Web site, www.spdji.com.

Index Policy

Announcements

Whenever possible, announcements of additions or deletions of stocks or other index adjustments are made five trading days before the adjustments are implemented. In those cases when it is not possible to trade a stock five days after an announcement, the announcement period may be shortened. However, the implementation of an index adjustment is never earlier than the market close of the day following the announcement.

Announcements of additions and deletions for the S&P/TSX Canadian indices are generally made at 05:15 PM Eastern Time. Press releases are released to major news services.

In addition, TMX Datalinx offers a fee-based subscription to Index Notices. The Index Notices provide the most detailed and comprehensive coverage of index changes. Complete data for index replication (including share counts, tickers and data on index levels and returns) are also available through TMX Datalinx. In order to subscribe, contact TMX Datalinx by phone at +1.416.947.4778 or by email at marketdata@tmx.com.

Holiday Schedule

The S&P/TSX Canadian indices are calculated when the Canadian equity market is open.

A complete holiday schedule for the year is available on the TMX Web site at www.tmx.com.

Unscheduled Market Closures

In situations where an exchange is forced to close early due to unforeseen events, such as computer or electric power failures, weather conditions or other events, S&P Dow Jones Indices will calculate the closing price of the indices based on (1) the closing prices published by the exchange, or (2) if no closing price is available, the last regular trade reported for each security before the exchange closed. If an exchange fails to open due to unforeseen circumstances, S&P Dow Jones Indices treats this closure as a standard market holiday. The index will use the prior day's closing prices and shifts any corporate actions to the following business day. If all exchanges fail to open or in other extreme circumstances, S&P Dow Jones Indices may determine not to publish the index for that day.

For further information on Unexpected Exchange Closures, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document located on our Web site, www.spdji.com.

Treatment of Corporate Actions in the Event of Unscheduled Market Closures

Full-day closure occurs on the corporate action effective date: All market driven actions (splits, bonuses, rights, cash dividends, spinoffs, etc.) are moved to the next trading date. This involves the reposting of all affected files of each index to which each stock belongs. However, we follow the exchange's lead in such situations. If the exchange moves the corporate action ex-date, S&P Dow Jones Indices does the same. Adds and drops to the index and share/IWF updates remain unchanged, as trading was completed at the close before the effective date.

Partial closure occurs on the corporate action effective date: All market driven actions (splits, bonuses, rights, cash dividends, spin-offs, etc.) take place at the opening of the ex-date. Adds and drops to the index and share/IWF updates remain unchanged, as trading was completed at the close of the day before the effective date.

Full-day or partial closure occurs on the day before the corporate action effective date: Adds and drops to the index, share/IWF updates and quarterly rebalancing would be moved to the close of the next trading date and use the closing prices of that day. All market driven actions scheduled for the opening of the next day are unaffected by an exchange closure on the day before the ex-date.

Recalculation Policy

S&P Dow Jones Indices reserves the right to recalculate an index under certain limited circumstances. S&P Dow Jones Indices may choose to recalculate and republish an index if it is found to be incorrect or inconsistent within two trading days of the publication of the index level in question for one of the following reasons:

1. Incorrect or revised closing price
2. Missed corporate event
3. Late announcement of a corporate event
4. Incorrect application of corporate action or index methodology

Any other restatement or recalculation of an index is only done under extraordinary circumstances to reduce or avoid possible market impact or disruption as solely determined by the Index Committee.

For more information on the recalculation policy, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document located on our Web site, www.spdji.com.

For information on Calculations and Pricing Disruptions, Expert Judgment and Data Hierarchy, please refer to S&P Dow Jones Indices' Equity Indices Policies & Practices document located on our Web site, www.spdji.com.

Index Dissemination

The TMX Group (TMX) serves as the distributor of both real-time and historical index data. In addition, index levels are available on S&P Dow Jones Indices' Web site at www.spdji.com, through major quote vendors (see codes below), through numerous investment oriented Web sites and various print and electronic media.

Tickers

Index	Bloomberg	Reuters
S&P/TSX Renewable Energy and Clean Technology Price Return Index	TXCT	.GSPTXCT
S&P/TSX Renewable Energy and Clean Technology Total Return Index	TXCTAR	.TRGSPTXCT

FTP

Daily stock level and index data is available from the Toronto Stock Exchange on subscription. Please contact Market Data at 416-947-4778 or, by email, at marketdata@tmx.com.

For further information, please refer to the TMX Web site at www.tmx.com.

Appendix I

Capping Methodology

1. Criteria for capping an Index Security:

Any constituent whose Relative Weight exceeds 10% on the Quarterly Valuation Date is capped at 10%. This cap is put in place by reducing the number of trust units or shares in float-adjusted shares outstanding until it results in a Relative Weight equal to 10% of the relevant index. The decision to impose a maximum weight restriction on any capped index is subject to the sole and absolute discretion of the Index Committee.

2. Maintenance for Capped Constituents:

- a. Any capped Index Security whose Relative Weight is below 10% on the Quarterly Valuation Date has its float-adjusted units or shares increased until either the security is at full float or the Relative Weight reaches 10% of the total index QMV, whichever comes first.
- b. Any capped Index Security whose Relative Weight is above 10% of the index QMV after the close of the market on the Quarterly Valuation Date has its float-adjusted trust units or shares decreased until the Relative Weight reaches 10% of the total index QMV.
- c. Cap adjustments resulting from 2a or 2b are effective after the close of trading on the Quarterly Update Effective Date. The Investable Weight Factor is determined by using closing unit or share prices and outstanding trust units or shares after the close of trading on the Quarterly Valuation Date.

Appendix II

Renewable Energy and Clean Technology Classification System

The information herein has been obtained from sources that Sustainalytics believes to be reliable; however Sustainalytics does not guarantee its accuracy or completeness.

The Context for a Renewable Energy and Clean Technology Index

Global trends associated with population demographics, economic growth of both developed and developing countries, and climate change, will have long-lasting implications for capital markets. In the long-term, these global trends will continue to drive a robust economic demand for the basic necessities of life (including water, energy, food and other natural resources), raw materials and consumer goods. Associated with these global trends is overwhelming evidence that continued rapid economic expansion, based on traditional production patterns, will negatively impact global environmental quality. Consequently, over the long-term, the business environment will shift to favor those companies that will contribute to the transition toward an environmentally sustainable economy.

As such, there is a need for an approach to investing that focuses on companies that can provide goods or services to rapidly expanding global markets, which either reduce or do not materially increase the throughput pressures on already strained ecological systems. For companies, this means focusing on reducing or eliminating the negative ecological impacts of their operations, while at the same time improving the productive and responsible use of natural resources.

Pragmatically, companies can achieve these goals by focusing their resources on innovation, efficiency, and on reducing their ecological impact. When you apply these criteria to the sectors most likely to be impacted by the aforementioned global trends, five key thematic areas emerge as the most likely to provide solutions to global environmental challenges: 1) Renewable Energy – Production and Distribution, 2) Renewable Energy – Manufacturing and Technologies, 3) Energy Efficiency, 4) Waste Reduction and Water Management, 5) Low Impact Materials and Products.

Index Construction

The S&P/TSX Renewable Energy and Clean Technology Index measures the performance of companies in Canada (listed on the TSX) whose core business is in the development and deployment of green technologies. The following steps identify potential candidates for the Renewable Energy and Clean Technology Index.

Identify Index Universe. Renewable Energy and Clean Technology companies are drawn from those companies within the TSX investable universe of public companies whose activities provide value-added solutions to environmental problems. The index construction methodology first evaluates companies for inclusion based on involvement in and strategic commitment to five environmental themes:

1. Renewable Energy – Production and Distribution (e.g. renewable energy developers and independent power producers);
2. Renewable Energy – Manufacturing and Technologies (e.g. equipment and components for the renewable energy);
3. Energy Efficiency (e.g. industrial automation and controls; and energy-efficient equipment);
4. Waste Reduction and Water Management (e.g. providing potable water, source reduction and in-process recycling);
5. Low Impact Materials and Products (e.g. organic foods).

Sustainalytics company selections are then approved by the S&P/TSX Canadian Index Committee.

Conduct “Pure Play” Analysis. To qualify for addition to the S&P/TSX Renewable Energy and Clean Technology Index, a candidate must meet the above-mentioned thematic eligibility criteria and have pure-play involvement in a specific theme, as described in the theme definitions. A company is considered to have pure-play involvement in a theme, if either of the two conditions is met.

- 50% or more of the company’s revenue is derived from products and services from one or more of the above themes.
- 50% or more of the company’s EBITDA is generated by products or services from one or more of the above themes.

For example, a company that earns 100% of its revenue from the production of solar cells would have pure-play involvement in the Renewable Energy theme. The themes are not mutually exclusive, so a company’s pure-play involvement may come from multiple themes. For example, a company that earns 40% of its revenue from solar cells and another 45% from water purification equipment would qualify for inclusion in the S&P/TSX Renewable Energy and Clean Technology Index.

Apply S&P Dow Jones Indices’ Liquidity and Float-Adjustment Methodology. S&P Dow Jones Indices’ liquidity screen is applied to the float-adjusted market capitalization of companies identified in the previous two steps.

Thematic Sectors

Renewable Energy – Production and Distribution. Thematic Research on renewable energy is focused on identifying pure-play companies whose revenues primarily come from the production and delivery of renewable energy and renewable fuels. These include companies whose main lines of business proactively addresses the growing global demand for energy while avoiding or mitigating the environmental hazards and supply limitations of conventional fuels.

Sample Business Activities

Development and Generation of Renewable Energy	Renewable energy developers and independent power producers of wind, solar, geothermal, wave/tidal, run-of-river or small-scale hydro, as well as distributed energy, district heating, cogeneration and combined heat and power. Renewable energy utilities and retailers, as well as suppliers of specialized products and services to the above companies.
Renewable Fuels	Companies that supply the fuels, and infrastructure for the production and distribution of cleaner hybrid fuels, “liquefied natural gas” (LNG), “compressed natural gas” (CNG); and hydrogen. Companies that supply bio-fuels produced from biomass; agricultural and food waste; and by-products, including biogas from methane and landfill gas.

Renewable Energy – Manufacturing and Technologies. Thematic Research on energy efficiency is focused on identifying pure-play companies whose revenue primarily comes from supplying specialized products and services renewable power companies.

Sample Business Activities

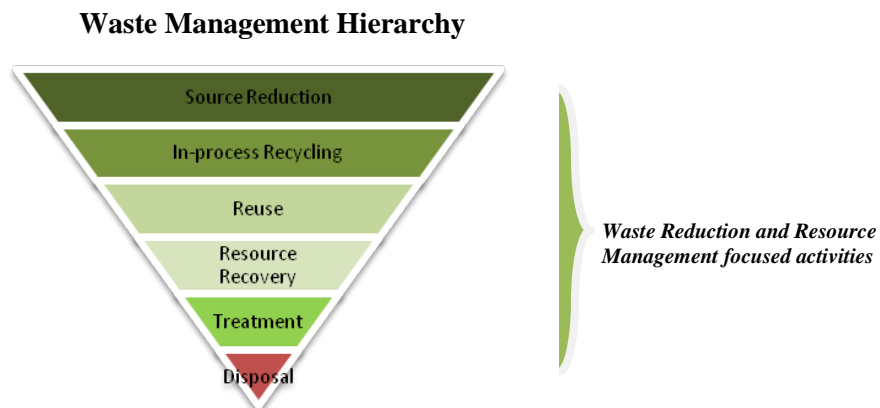
Generation Equipment	Companies that design, develop, manufacture, distribute or install equipment and components for the renewable energy sector, (including bearings, gearboxes, blades, towers, wafers, cells, etc.); and companies that supply specialist materials into the renewable energy value chain. This also includes technologies used for the processing or production of bio-derived fuels/energy.
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Energy Efficiency. Thematic Research on energy efficiency is focused on identifying pure-play companies whose revenue primarily comes from products and services that proactively address the growing global demand for energy, while minimizing impacts to the environment. The theme is primarily focused on companies that promote effective power management, energy conservation, storage and energy efficiency.

Sample Business Activities

Building Energy Efficiency	Companies that design, develop, manufacture, distribute or install energy efficient products and services for use in residential, commercial and municipal buildings. Products include integrated buildings control systems, insulation materials, energy efficient lighting, efficient heating, ventilation and air-conditioning equipment.
Transportation Energy Efficiency	Companies that design, develop, manufacture, distribute or apply technology to deliver improved efficiency in the transportation sector (including automotive, heavy duty, rail and aerospace). This includes higher efficiency conventional engines and powertrain technologies, and new vehicle technology (such as natural gas engines, hybrids and electric vehicles, including specialist batteries).
Industrial Energy Efficiency	Technologies and systems that promote efficiency in industrial operations (e.g. industrial turbines, motors, and engines); industrial automation and controls; and energy-efficient equipment and appliances.
Power Management	Companies that design, develop, manufacture, distribute or install equipment and services which enhance the efficiency of operation of the electrical power network. This includes advanced meters, distributed generation, “smart grid” technologies, high efficiency power generation, transmission and distribution technologies, and technologies for advanced energy storage and backup power.

Waste Reduction and Water Management. Thematic Research on waste reduction and resource management is focused on identifying pure-play companies whose product and service offerings support pollution prevention, waste reduction, or recycling as a means of alleviating the burden of unsustainable levels of waste generation on the environment. These include companies offering products and services concentrated within the upstream activities of the Waste Management Hierarchy, specifically source reduction, in-process recycling, reuse, resource recovery, and treatment. Disposal services are not included in the index.



Conventional waste management and disposal, involving waste collection and haulage to landfill disposal sites, is not included in this group.

Water Management. Thematic Research on water management is focused on identifying pure-play companies whose revenue is primarily derived from products and services that attempt to resolve water scarcity and quality issues. These companies employ clean technologies to address water scarcity and quality issues. The regulated activity of using conventional technology and infrastructure for water distribution (i.e. water utilities) is not included in this group.

Sample Business Activities

Pollution Prevention & Control	Source reduction and in-process recycling, including air pollution monitoring and control equipment (e.g. scrubbers, filters, dust collectors and chemical conservation).
Integrated Waste Management	Companies providing integrated waste management solutions to maximize the value extracted from waste streams through reuse, recycling, and energy recovery.
Waste Treatment & Remediation	Waste treatment and environmental remediation, including land treatment and brownfield cleanup, soil washing, chemical oxidation, bioremediation.
Water Infrastructure	Infrastructure and engineering companies engaged in developing new or repairing existing water and sanitation systems. Companies that supply products (including specialty pipes, pumps, valves, actuators, hydrants and meters) and services that enhance water infrastructure systems.
Water Utilities (treatment)	Companies that operate water treatment and supply infrastructure, providing potable water or wastewater and sewage services.
Water Treatment & Purification	Companies that design, develop, manufacture, distribute and/or install technologies or facilities for the separation and purification of water to meet environmental standards. This includes membranes, ultra-violet, desalination, filtration, ion exchange, and biological treatment.
Water Resource Management & Water Efficiency	Technologies and products that reduce, reuse, or recycle water as a means of conservation, including smart metering devices and controls, low-flow equipment, rainwater/greywater harvesting systems.

Low Impact Technologies, Materials and Products.

Sample Business Activities

Organic Foods and Low Impact Agriculture	<p>Organic soil amendments and mechanized maintenance of soil and nutrients. Companies that focus on seed diversification and production through biological modification of waste products into carbon storage and nitrogen fertilizer.</p> <p>Low impact aquaculture transforms seafood protein, aquaculture chain intensive food stuffs, without imperiling the natural aquatic environment. Aquaculture also offers new crop harvesting such as algae (non-food bio-fuel feedstock), and seaweed (protein and carbon sequestration).</p> <p>Non-petroleum sourced bio-solids fertilizer, source separated nitrogen as well as sulfur by-product transformation from refinery gas scrubbing.</p>
Low Impact Forestry	FSC based products, lake timber salvaging, renewable timber products (bamboo).
Low Impact Materials	Companies that generate a majority of their revenues from the sale of products where more than 50% of the inputs are salvaged material, scrap metal, recycled precious metals, recycled post-consumer paper, etc. In addition, companies that generate a majority of their revenue from products which have a reduced impact because inputs usage has decreased by 50% through efficiency or innovative designs.
Commodity Salvage & Recycling	Salvage, use, reuse, and recycling of post-consumer waste products and commodities, including paper, metal, glass, plastic, and organic waste.

Thematic Research

Sustainalytics has a dedicated Thematic Research Manager who oversees the research process and conducts specialized research on Index constituents and environmental issues. Dedicated Sustainalytics research analysts are responsible for conducting continuous maintenance research for the S&P/TSX Renewable Energy and Clean Technology Index, which includes identifying and proposing potential candidates as well as monitoring current constituents to ensure index eligibility. Sustainalytics' research and selection process for index constituents is based on information collected from a wide variety of sources. These sources are culled continuously to identify index candidates prior to Index Committee review.

Information sources include:

- Sustainalytics' research database, covering more than 4,000 global companies
- Company sources (e.g. Web sites, annual reports, analyst presentations)
- Regulatory filings
- Energy, renewable energy, energy efficiency, clean technology, water, sustainable building and recycling and pollution prevention Web sites
- Industry sources (e.g. trade associations, professional journals)
- Public policy sources
- Governmental databases
- Non-governmental organizations and nonprofit groups
- Media searches of more than 9,000 global sources
- Consultants and other market participants

Sustainalytics evaluates theme-related revenues and investments, the portion of a company's business driven by the relevant theme activity and the environmental impact of the business activity. For some companies such as utilities and energy companies, these numbers are routinely available but for many others, they are not. Sustainalytics seeks this information in its direct communication with companies if it is not available from company publications or third-party sources. Data is standardized for comparative analysis whenever possible.

The research supports four critical elements of index management:

1. **Qualification.** Determining which companies meet the standards to be considered eligible for pure-play involvement.
2. **Scanning.** Monitoring a pool of candidate companies for future addition to the Index.
3. **Selection.** Choosing constituents from the universe of qualified companies that satisfy the environmental and financial criteria of the index.
4. **Monitoring.** Tracking index holdings to ensure that they continue to meet the criteria for inclusion.

Appendix III

Defined Terms

1. “Annual Review” refers to an annual rebalancing of the index, which occurs in the month of September. Additions to and deletions from the index are made at this time. In addition, outstanding shares and investable weight factors are adjusted as per the Quarterly Share Update. These updates are announced at the same time as the Quarterly Review additions and deletions. All additions, deletions are effective after the close of trading on the third Friday of September.
2. “Eligible Securities” are securities that pass the Eligibility Criteria.
3. “Eligible Securities Pool” means those securities that are eligible for inclusion in the S&P/TSX Renewable Energy and Clean Technology Index.
4. “Index Securities” means those securities comprising the index.
5. “Relative Weight” of an index constituent is that constituent’s percentage of the total index QMV; $Relative\ Weight = 100 * (Constituent\ QMV/Index\ QMV)$.
6. “QMV” means quoted market value, being the value determined by multiplying the number of float-adjusted shares of a security by the price of one such share.
7. “Quarterly Share Update” refers to a quarterly share update of the index, which occurs in the months of March, June, September and December. This update includes all cumulative changes to shares outstanding and investable weight factors during the quarter. Publicly available information up to and including the effective date of the Quarterly Share Update is included. All share changes are effective after the close of trading on the third Friday of the Quarterly Share Update month. Outstanding shares are rounded to the nearest thousand.

Appendix IV

Methodology Changes

Methodology changes since January 1, 2015 are as follows:

Change	Effective Date (After Close)	Methodology	
		Previous	Updated
Multiple Share Class Lines	20-Aug-15	Companies that have more than one class of common stock outstanding were represented only once in the index. The stock price was based on one class, and the share count was based on the total shares outstanding of all classes.	There will no longer be consolidated lines in the S&P Float Market Cap (FMC) indices. Instead, all multiple share class companies that have listed share class lines are adjusted for shares and float such that each share class line only represents that line's shares and float. All multiple share class companies that have an unlisted class line are also adjusted.
Trading Volume Marketplaces	20-Aug-15	TSX and other Canadian trading venues which make the data available in a timely fashion.	TSX, Aequitas (Lit and Neo), Alpha, Chi-X, CSE (Pure Trading), CX2, Lynx, TMX Select (Excluded after September 2016 review) and Omega.

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