

EXPLANATION OF HOW KEY ELEMENTS OF THE BENCHMARK METHODOLOGY REFLECT ENVIRONMENTAL, SOCIAL, AND GOVERNANCE (ESG) FACTORS

Wilderhill New Energy Global Innovation Index (JPY)



This document provides an explanation of how the key elements of the benchmark methodology reflect ESG factors. It is compiled in accordance with the requirements of point (d) of Article 13 (1) of Regulation (EU) 2016/1011 of the European Parliament and of the Council of 8 June 2016 (the "Benchmarks Regulation") and of the Commission Delegated Regulation (EU) 2020/1817.

General Information

Name of the benchmark administrator	Solactive AG
Type of benchmark or family of benchmarks	Equity
Name of the benchmark or family of benchmarks	Wilderhill New Energy Global Innovation Index (JPY)
Does the benchmark methodology for the benchmark or family of benchmarks take into account ESG factors?	Yes

ESG Factors Applied in the Benchmark Methodology

List of environmental factors considered	<ul style="list-style-type: none">> WilderHill New Energy Finance LLC determines securities that fall in one of the below sectors. Companies are assessed based on their focus in wind, solar, biofuels, hydro, wave, tidal, geothermal and other relevant renewable energy businesses, as well as energy conversion, storage, conservation, efficiency, materials relating to those activities, carbon & greenhouse gas reduction, pollution control, emerging hydrogen and fuel cells.> Renewables – Wind: Eligible companies for the Wind sector are involved in manufacturing of components, parts and subassemblies for wind turbines, or are manufacturers of turbines themselves. Additionally, developers, generators, utilities and engineering firms that are engaged in building wind farms around the world are eligible.> Renewables – Solar: Eligible companies are engaged in technologies that capture energy from the sun, using photovoltaic (PV) material, or via solar thermal technologies such as concentrators, mechanical means.> Renewables – Biofuels & Biomass: Eligible companies are suppliers of biofuels, suppliers of the processing technologies and equipment, logistics and distribution players, manufacturers of energy systems specially adapted for the use of biofuels and products, as well as companies involved in production and consumption of solid or gaseous fuels derived from biomass. Solid biomass can also consist of crop residues such as straw. Other waste matter for energy generation will only be included if the energy generation is low-carbon.. Liquid transportation fuels including biodiesel and bioethanol can be derived from a range of biomass sources, including sugar cane, rapeseed/canola, soybeans, and importantly ahead as being greener, cellulosic biomass.> Renewables - Other: One of the characteristics of the clean energy industry is it is based on making sustainable use of a diverse range of renewable energy sources. Eligible companies under this sector include companies active in renewable categories other than solar and wind. For example, geothermal power has long played a part in the energy mix of countries with natural geothermal resources, such as Iceland and Japan. Companies involved in Hydroelectric can be eligible too as the world shifts to new
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	<p>energy solutions with interesting advances in smaller-scale, low-head hydro and even micro-scale.</p> <ul style="list-style-type: none">> Energy Efficiency: Companies eligible for inclusion in this sector are working to deliver improvements in efficiency of existing generation and distribution systems. Important technologies include software to improve electricity demand management or reduce grid losses, breakthroughs in motor or generator design or technologies for combined heat and power (i.e. those which enable the capture and use of waste heat from power generation). Furthermore, companies engaged in technologies that reduce use of energy in homes, retail and commercial buildings can be eligible. These activities include building components that reduce energy use, intelligent systems for managing power consumption and technologies that more efficiently use power.> Energy Conversion: Eligible companies are active in conversion technologies and fuels. Hydrogen & fuel cell technology is included, from production and storage of hydrogen, to distribution as well as related technologies. Advanced turbines, and lower-carbon fuel systems may also be covered in this sector, as well as potentially whole systems such as alternative fuel vehicles allowing renewables to power new greener transportation.> Energy Storage: Renewable solar, wind, and other green technologies typically harness natural resources that are either intermittent, or have response curves that are unable to follow the dynamic demands that are put on them when deployed. Batteries and other energy storage technologies may become key enablers for large-scale shift to these greener technologies. Eligible companies for the Energy Storage sector are engaged in newly emerging storage technologies, and extant mechanical technologies like flywheels, and components like ultra-capacitors which are potentially complimentary with batteries. Systems built around large-scale storage such as EVs (electric vehicles), electric cars, electric buses, electric ships, trains and planes etc. are eligible as well.
List of social factors considered	> Not applicable.
List of governance factors considered	> Not applicable.

Data and Standards used

Data Input	ESG input data is gathered by the Selection Party, WilderHill New Energy Finance LLC
Verification and quality of data	The provider of ESG-related data input is selected by the Administrator based on an assessment of its existing processes in order to ensure the reliability and representativeness of the ESG-related data. The data provider has established processes in accordance with accepted and established market standards that ensure the permanent quality and reliability of the ESG-data provided.
Reference standards	International standards referenced by the index methodology are listed in the respective section above.
Information updated on	23/02/2024



Reason for update:

initial setup

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