

NASDAQ CTA GLOBAL CLIMATE TECHNOLOGY™ INDEX

CLMTCHTM

INDEX DESCRIPTION

The Nasdaq CTA Global Climate Technology Index is designed to track the performance of a selection of companies engaged in the global Climate Technology industry. The companies are selected based on classification by Consumer Technology Association (CTA).

SECURITY ELIGIBILITY CRITERIA

Security types

A security must be classified as an American Depositary Receipt (ADR), Global Depositary Receipt (GDR), common stock, ordinary share, preference share or Real Estate Investment Trust (REIT). A China A-Share is only considered eligible if the security is tradable through the Shanghai- or Shenzhen-Hong Kong Stock Connect.

If the security is a depositary receipt, references to the "issuer" are references to the issuer of the underlying security.

Listing exchanges

A security must be listed on an Eligible Exchange in any of the Eligible Countries outlined in Appendix A. For more information, refer to **Nasdaq Eligible Exchanges**.

Multiple securities per issuer

One security per issuer is permitted. If an issuer has multiple eligible securities, the following rules are applied to determine the selected security:

The non-China-A-Share security is selected. A China A-Share security (as defined in the Security
Types section of this Methodology) may only be selected if there are no other eligible securities
of the same issuer available.

- If there are multiple eligible non-China-A-Share securities as of the Reconstitution Reference Date, the security with the greatest liquidity, based on three-month average daily traded value, is selected.
- Except for China A-Share Index Securities, preference is given to an eligible Index Security as of the Reconstitution Reference Date over any other eligible securities from that issuer, regardless of liquidity ranking.

Industry or sector eligibility

A security's issuer must be classified by CTA as a Climate Technology company, specifically as belonging to one of either Enablers (Power Sources & Storage), Engagers (Climate Infrastructure) or Enhancers (AgTech & FoodTech, Adaptation, Transportation). The sub-classifications are defined as follows (also called thematic taxonomy going forward):

- Power Sources & Storage Companies classified as Power Sources and Power Storage enable
 the transition toward cleaner sources of energy across the economy including within industry,
 buildings (e.g. residential and commercial), and transportation. Power Sources and Power
 Storage include biofuels, battery technology, fuel cells, green hydrogen, power management
 (including power-focused semiconductors) and renewable power generation (e.g. hydroelectric,
 solar, and wind power).
- Climate Infrastructure Companies engaged in technologies focused on reducing the carbon impact of commercial, industrial and residential buildings including advanced building materials and mechanical systems (e.g. heating, cooling, ventilation, plumbing, and electric), electric vehicle charging infrastructure (e.g. public and private charging solutions), process improvements (e.g. agricultural, electrical and material technologies that improve the carbon impact of existing construction methods) and smart cities/grid (e.g. grid communication and intelligence, load control, smart metering).
- AgTech & FoodTech Companies principally engaged in technology related to reducing carbon
 and methane emissions through the development of products intended to displace conventional
 meat consumption (e.g. alternative/plant-based proteins and cellular agriculture to displace
 beef, chicken, pork, turkey, etc.) as well as technologies designed to reduce the intensity of
 traditional farming methods and their related logistical/transportation impacts through
 engagement in indoor and vertical farming methods.
- Adaptation Companies providing consulting, engineering, and/or software solutions to clients to design, construct and retrofit projects within industry, buildings, and transportation including advancements in renewable power delivery, power generation and power use.
- Transportation Companies enhancing the development of less carbon-intensive
 transportation products including air mobility (air taxis and vertical take-off and landing planes),
 electric vehicles (e.g. passenger and commercial/industrial cars, motorcycles, and trucks),
 macro-mobility (e.g. buses, trains, and other mass transit) and micro-mobility (e.g. last-mile
 delivery drones and vehicles).

Market capitalization

A security in the Index as of the Reconstitution Reference Date must have a free float market capitalization of at least \$240 million (USD).

A security not in the Index as of the Reconstitution Reference Date must have a free float market capitalization of at least \$300 million (USD).

Liquidity

A security in the Index as of the Reconstitution Reference Date must have a three-month average daily traded value of at least \$800 thousand (USD).

A security not in the Index as of the Reconstitution Reference Date must have a three-month average daily traded value of at least \$1 million (USD).

Seasoning

A security must have been traded on an index-eligible exchange at least three months prior to the Reconstitution Effective Date.

ESG eligibility

A security's issuer must not be positively identified by Sustainalytics as exhibiting any of the following characteristics:

- Non-compliance with the United Nations Global Compact (UNGC) principles and related international norms and standards, such as the Organization for Economic Cooperation and Development (OECD) Guidelines and United Nations (UN) Guiding Principles (collectively referred to as "Global Compact Non-Compliance").
- Having a Controversy Rating of five (5).
- Involvement in specific business activities, as defined in Appendix B.

If data from Sustainalytics is unavailable for a given security's issuer, it will remain eligible for Index inclusion, except in cases of Global Compact Non-Compliance or as otherwise specified by the treatment of unavailable data in Appendix B, in which case the security's issuer will be deemed ineligible.

Other eligibility criteria

If, at reconstitution, Nasdaq becomes aware that an issuer or security will soon undergo a fundamental change that makes it ineligible, Nasdaq will remove the security from consideration. This includes entering into a definitive merger or acquisition agreement or other pending arrangement that would make it ineligible for Index inclusion, or a filing of bankruptcy or similar protection from creditors, or other events as described in Section 3 of Corporate Actions and Events Manual – Equities.

INDEX CALENDAR

Reconstitution schedule

The Index is reconstituted semi-annually in June and December by applying the Constituent Selection Process to all securities that meet the applicable Security Eligibility Criteria.

Reconstitution reference dates

Unless otherwise specified, the Security Eligibility Criteria and Constituent Selection Process are applied using data as of the end of May and November, respectively.

Reconstitution announcement dates

Index Reconstitutions are announced in early June and December.

Reconstitution effective dates

Index Reconstitutions become effective at market open on the trading day following the third Friday in June and December.

Rebalance schedule

The Index is rebalanced semi-annually in June and December.

Rebalance reference dates

The Index Rebalance is conducted using data as of the prior month-end (May and November).

Rebalance announcement dates

Index Rebalance changes are announced in early June and December.

Rebalance effective dates

Index Rebalances become effective at market open on the trading day following the third Friday in June and December.

Holiday schedule

The Index is calculated Monday through Friday and does not close for holidays.

Index calculation and dissemination schedule

The Index Value is calculated five (5) days a week, Monday through Friday, once per second from the start of the trading day in Tokyo (09:00:01 Japan Standard Time) until the close of the trading day in New York (17:16:00 Eastern Time).

CONSTITUENT SELECTION

Semi-annual constituent selection process

Each security's issuer receives scores across three dimensions:

• Thematic Revenue Score – The thematic revenue score is a quantitative assessment of each company's approximated revenue derived from climate technology. The value is determined by using open-source and public market data and financial filings to compute the portion of thematic revenues, relative to total annual revenues and is scored as shown in the table below. The Thematic Revenue Score is subject to a five (5) percent buffer; more details can be found in Appendix C.

Thematic Revenue	Point(s)
0 - 24.9%	0
25 - 49.9%	1
50 - 74.9%	2
75 - 100%	3

• Transition Score – The Transition Score is a qualitative assessment of each company's current technology offerings within the climate technology thematic. CTA uses raw data inputs to assess and determine each company's level of transition toward a fully carbon-neutral portfolio of products and services as shown in the table below.

Transition Level	Point(s)
Low – Company is in the early stage of developing a single or portfolio of products and services with carbon neutral/carbon-free technologies, though not the company's primary business	1
Medium – Company is in active transition to a portfolio of carbon neutral/carbon-free products and services, though multiple products and services are offered	2

Transition Level	Point(s)
High – Company is fully transitioned to a portfolio of carbon neutral/carbon-free products and services	3

• Innovation Score – The Innovation Score is a qualitative assessment of each company's impact toward achieving carbon neutrality. CTA examines numerous data points and sources to include the company's capital investment/R&D in climate technologies, M&A and patent activity, and revenue growth within climate technology and is a proxy for innovation as follows:

Innovation Level	Point(s)
Low	1
Medium	2
High	3

All issuers are categorized as either Tier 1, Tier 2 or none of the former.

- A Tier 1 issuer generates at least 50% of its revenue from climate technology, as defined by the thematic taxonomy (Thematic Revenue Score ≥ 2).
- A Tier 2 issuer generates 25-50% of its revenue from climate technology (2 > Thematic Revenue Score ≥ 1), and the sum of its Transition Score and Innovation Score equals 4 or higher.

All securities that meet the applicable Security Eligibility Criteria and are categorized as either Tier 1 or Tier 2 are included in the Index.

CONSTITUENT WEIGHTING

Constituent weighting scheme

The Index is a modified theme-adjusted free float market capitalization-weighted index.

Constituent weighting process

Each issuer is assigned a Weighted Score, calculated as follows:

 $Weighted\ Score = 2 \times Thematic\ Revenue\ Score + Transition\ Score + Innovation\ Score$ Each security is assigned a Weighted Score-Based Factor based on its issuer's Weighted Score, calculated as follows:

$$Weighted \, Score - Based \, Factor = \begin{cases} 0.75 \, if \, 6 \, \leq Weighted \, Score \leq 7 \\ 1 \, if \, 8 \, \leq Weighted \, Score \leq 9 \\ 1.25 \, if \, 10 \, \leq Weighted \, Score \leq 12 \end{cases}$$

Each security is assigned a Theme-Adjusted Free Float Market Value, calculated as the product of the security's free float market capitalization and Weighted Score-Based Factor.

Each Index Security's initial Index weight is determined by dividing the Index Security's Theme-Adjusted Free Float Market Value by the aggregate Theme-Adjusted Free Float Market Value of all Index Securities.

Initial Index Weights are then adjusted to meet the following constraint:

• No Index Security weight may exceed 4.5%.

For additional information about index weighting, see Nasdaq Index Weight Calculations.

INDEX MAINTENANCE

Deletion policy

If, at any time other than an Index Reconstitution, Nasdaq determines that an Index Security has or will undergo a fundamental alteration that would make it ineligible for Index inclusion, the Index Security is removed as soon as practicable. Such alterations may include merger, acquisition, or other major corporate event that would otherwise adversely impact the integrity of the Index.

Replacement policy

Index Securities are not replaced between Index Reconstitutions.

Addition policy

Index Securities are not added between Index Reconstitutions.

Corporate actions

In the periods between scheduled index reconstitution and rebalancing events, individual Index securities may be the subject to a variety of corporate actions and events that require maintenance and adjustments to the Index. Specific treatment of each type of corporate action or event is described in **Nasdaq Corporate Actions and Events Manual – Equities**, which is incorporated herein by reference.

In certain cases, corporate actions and events are handled according to the weighting scheme or other index construction techniques employed. Wherever alternate methods are described, the Index will follow the "Non-Market Cap Corporate Action Method."

Index share adjustments

Other than as a direct result of corporate actions, the index does not normally experience share adjustments between scheduled index rebalance and reconstitution events.

ADDITIONAL INFORMATION

Announcements

Nasdaq announces Index-related information via the Nasdaq Global Index Watch (GIW) website at http://indexes.nasdaqomx.com.

For more information on the general Index Announcement procedures, please refer to the **Nasdaq Index Methodology Guide**.

Unexpected market closures

For information on Unexpected Market Closures, please refer to the Nasdaq Index Methodology Guide.

Calculation types

For information on the Index calculation types as well as the mathematical approach used to calculate the Index(es), please refer to the **Calculation Manual – Equities & Commodities**.

Recalculation and restatement policy

For information on the Recalculation and Restatement Policy, please refer to the **Nasdaq Index Recalculation Policy**.

Data sources

For information on data sources, please refer to the Nasdaq Index Methodology Guide.

Contact information

For any questions regarding an Index, please contact the Nasdaq Index Client Services team at indexservices@nasdaq.com.

Index dissemination

Index values and weightings information are available through Nasdaq Global Index Watch (GIW) website at https://indexes.nasdaqomx.com/ as well as the Nasdaq Global Index FlexFile Delivery Service (GIFFD) and Global Index Dissemination Services (GIDS). Similar to the GIDS offerings, Genium Consolidated Feed (GCF) provides real-time Index values and weightings for the Nordic Indexes.

For more detailed information regarding Index Dissemination, see the **Nasdaq Index Methodology Guide**.

Website

For further information, please refer to Nasdaq GIW website at https://indexes.nasdaqomx.com/.

FTP and dissemination service

Index values and weightings are available via FTP on the Nasdaq Global Indexes FlexFile Delivery Service (GIFFD). Index values are available via Nasdaq's Global Index Dissemination Services (GIDS).

GOVERNANCE

All Nasdaq Indexes are managed by the governance committee structure and have transparent governance, oversight, and accountability procedures for the Index determination process. For further details on the Index Methodology and Governance overlay, refer to the **Nasdaq Index Methodology Guide.**

GLOSSARY OF TERMS AS USED IN THIS DOCUMENT

For the glossary of key terms, please refer to the Nasdaq Index Methodology Guide.

APPENDIX A: ELIGIBLE COUNTRIES

The Index requires a security to be listed on an Eligible Exchange in any of the following Eligible Countries. For more information, refer to **Nasdaq Eligible Exchanges**.

Eligible Countries	ISO Country Code
AUSTRIA	AT
AUSTRALIA	AU
CANADA	CA
CHINA	CN
GERMANY	DE
DENMARK	DK
FINLAND	FI
SPAIN	ES
FRANCE	FR
UNITED KINGDOM	GB
HONG KONG	НК
IRELAND	IE
ISRAEL	IL
ITALY	IT

Eligible Countries	ISO Country Code
JAPAN	JP
KOREA, REPUBLIC OF	KR
THE NETHERLANDS	NL
NORWAY	NO
PORTUGAL	PT
NEW ZEALAND	NZ
SWEDEN	SE
SINGAPORE	SG
SWITZERLAND	СН
TAIWAN	TW
UNITED STATES	US

APPENDIX B: PROHIBITED AREAS OF BUSINESS INVOLVEMENT

At each reconstitution, a security's issuer engaged in the following business activities, as determined by Sustainalytics, is deemed ineligible for Index inclusion if it does not meet the specified criteria in the table below. If data is unavailable, it will be treated as either "Eligible" (the issuer remains eligible for Index inclusion) or "Ineligible" (the issuer is ineligible for Index inclusion).

Category of Involvement	Description	Acceptable Involvement Range	Acceptable Ownership Range	Treatment of Unavailable Data
Arctic Oil & Gas Exploration: Extraction	The company is involved in oil and gas exploration in Arctic regions.	<10% of revenues	n/a	Ineligible
Cannabis: Production (Recreational Cannabis)	The company is involved in the development and/or cultivation of cannabis for recreational purposes.	0% of revenues	n/a	Eligible
Cannabis: Significant ownership (Production Recreational Cannabis)	The company owns 10 to 50 percent of another company with involvement in the development and/or cultivation of cannabis for recreational purposes.	n/a	<10%	Eligible
Controversial Weapons: Evidence of Activity	The company is involved in activities with respect to controversial weapons.	No involvement	n/a	Ineligible

Involvement Invo		Acceptable Involvement Range	Acceptable Ownership Range	Treatment of Unavailable Data
Controversial Weapons: Significant ownership (Tailor- made and essential)	corporate ownership, in the core weapon system, or components/services of the core weapon system that are considered		0%	Eligible
Controversial Weapons: Tailor-made and essential	ons: weapon system, or involvement components/services of the core		Eligible	
Oil & Gas: Generation	The company generates electricity from oil and/or gas.	<50% of revenues	n/a	Ineligible
Oil & Gas: Production	· ' '		n/a	Eligible
Oil & Gas: Production: Exploration and Production Natural Gas	roduction: exploration and/or production. revenues revenues		n/a	Ineligible
Oil & Gas: Production: Exploration and Production Oil	action: exploration and/or production. revenues ration and		Ineligible	
Oil & Gas: Production: Refining Natural Gas	The company is involved in gas refining.	<50% of n/a revenues		Ineligible
Oil & Gas: Production: Refining Oil	The company is involved in oil refining.	<10% of revenues	n/a	Ineligible

Category of Involvement	Description	Acceptable Involvement Range	Acceptable Ownership Range	Treatment of Unavailable Data
Oil & Gas: Production: Transportation and Storage Natural Gas	Production: transportation and/or storage. Transportation and Storage		n/a	Ineligible
Oil & Gas: Production: Transportation and Storage Oil	The company is involved in oil transportation and/or storage.	<10% of revenues	n/a	Ineligible
Oil Sands: Extraction	The company extracts oil sands.	<10% of revenues	n/a	Ineligible
Thermal Coal: Extraction	The company extracts thermal coal.	<2.5% of revenues	n/a	Eligible
Thermal Coal: Overall	The company's total (aggregated) revenue percentage of involvement in all categories of Thermal Coal.	<1% of revenues	n/a	Ineligible
Thermal Coal: Power Generation	The company generates electricity from thermal coal.	<2.5% of revenues	n/a	Eligible
Thermal Coal: Power Generation Capacity	The company maintains generating capacity from thermal coal.	<2.5% of total capacity	n/a	Eligible
Tobacco: Production	The company manufactures tobacco products.	0% of revenues	n/a	Ineligible

APPENDIX C: THEMATIC REVENUE SCORING BUFFER AT RECONSTITUTION

In the event a company's thematic revenue declines from the prior evaluation period to the extent that the thematic revenue score would be adjusted lower, the thematic revenue score shall remain unchanged for the initial reconstitution period in which the decline occurs, provided the change does not exceed five (5) percentage points from the prior evaluation period and is intended to mitigate excessive changes in weighting.

If the company's thematic revenue remains below the original threshold for a second reconstitution period, the thematic revenue score will be adjusted to reflect the current thematic revenue. As an example, a company with 52% thematic revenue is assessed two (2) points. If at reconstitution, the

thematic revenue declined to 48%, the thematic revenue score would remain at two (2) points for the reconstitution. If at the next reconstitution, the thematic revenue is below 50% (e.g. 49%), the thematic score would be reassessed at one (1) point.

APPENDIX D: METHODOLOGY CHANGE LOG

Effective Date	Methodology Section	Previous	Updated
12/23/2024	Appendix B: Prohibited areas of business involvement	-	The acceptable involvement range must be 0% of revenues for the following business activity, and issuers with unavailable data will be ineligible for Index inclusion:
			- Tobacco: Production
			The acceptable involvement range must be no involvement for the following business activity, and issuers with unavailable data will be ineligible for Index inclusion:
			 Controversial Weapons: Evidence of Activity
			The acceptable involvement range must be less than 1% of revenues for the following business activity, and issuers with unavailable data will be ineligible for Index inclusion:
			- Thermal Coal: Overall
			The acceptable involvement range must be less than 10% of revenues for the each of following business activities separately, and issuers with unavailable data will be ineligible for Index inclusion:
			 Arctic Oil & Gas Exploration: Extraction Oil & Gas: Production: Exploration and Production Oil Oil & Gas: Production: Refining Oil Oil & Gas: Production: Transportation and Storage Oil Oil Sands: Extraction

Effective Date	Methodology Section	Previous	Updated
			The acceptable involvement range must be less than 50% of revenues for the each of following business activities separately, and issuers with unavailable data will be ineligible for Index inclusion: - Oil & Gas: Generation - Oil & Gas: Production: Exploration and Production Natural Gas - Oil & Gas: Production: Refining Natural Gas - Oil & Gas: Production: Transportation and Storage Natural Gas
6/30/2023	Security eligibility criteria: ESG eligibility	A security's issuer must not be positively identified by Sustainalytics as exhibiting any of the following characteristics: Non-compliance with the principles of the United Nations Global Compact Having a Sustainalytics Controversy Rating of five (5) Involvement of certain degrees in controversial weapons, thermal coal, oil & gas, or recreational cannabis as described in the Appendix.	A security's issuer must not be positively identified by Sustainalytics as exhibiting any of the following characteristics: Non-compliance with the United Nations Global Compact (UNGC) principles and related international norms and standards, such as the Organization for Economic Cooperation and Development (OECD) Guidelines and United Nations (UN) Guiding Principles. Having a Controversy Rating of five (5). Involvement of certain degrees in controversial weapons, thermal coal, oil & gas, or recreational cannabis as described in Appendix B.
6/20/2023	Security eligibility criteria: Listing exchanges	A security must be listed on an exchange named in Nasdaq Eligible Exchanges.	A security must be listed on an Eligible Exchange in any of the Eligible Countries outlined in Appendix A. For more information, refer to Nasdaq Eligible Exchanges.
6/20/2023	Appendix A: Eligible countries		The Index requires a security to be listed on an Eligible Exchange in any of the following Eligible Countries. For more information, refer to Nasdaq Eligible Exchanges.

DISCLAIMER

Nasdaq may, from time to time, exercise reasonable discretion as it deems appropriate in order to ensure Index integrity, including but not limited to, quantitative inclusion criteria. Nasdaq may also, due to special circumstances, if deemed essential, apply discretionary adjustments to ensure and maintain the high quality of the index construction and calculation. Nasdaq does not guarantee that any Index accurately reflects future market performance.

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