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Standard for ESG evaluation of energy enterprises

能源企业ESG评价标准

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Foreword

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Directives for standardization — Part 1: Rules for the structure and drafting of standardization documents.

Please note that some of the contents of this document may involve patents. The issuer of this document is not responsible for identifying patents.

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Introduction

Proposed by the United Nation, Environmental, social and governance (ESG) is a new mode of doing business, which represents an important step for integrating the concept of sustainable development into the development strategy and operation management process of enterprises, an innovative tool for green capital investment and avoidance of non-traditional risks, and an evaluation system for measuring non-financial performance and sustainable development capability of enterprises. This document evaluates energy enterprises from three dimensions: environmental, social and governance. The "environment" dimension focuses on the performance of enterprises in environmental management, climate change response, utilization of key resources and biodiversity protection; The "social" dimension focuses on the performance of enterprises in safety production, implementation of technological innovation, provision of customer value, protection of employees' rights, and social contribution. The "governance" dimension focuses on the performance of enterprise governance structure, adherence to business ethics, implementation of internal risk control, supply chain management, and information disclosure.

As a part of the "Zero Carbon China" standard system and a supporting standard of T/AIAC 006—2023 Standard for the ESG information disclosure of energy enterprises, this document aims to "promote excellence by evaluation, avoid risk by evaluation, attract investment by evaluation, and integration by evaluation",

strengthen the deep integration of financial capital and the real economy, enhance the level of sustainable development and international competitiveness of energy enterprises, and promote the construction of the new ecology for the transformation and development of the energy industry.

Standard for ESG evaluation of energy enterprises

1 Scope

This document specifies the application scopes, basic requirements, evaluation principles, evaluation organization, evaluation indexes, evaluation methods, evaluation process, evaluation results for ESG evaluation of energy enterprises.

This document applies to ESG self-evaluation and second-party and third-party evaluation by Chinese energy enterprises conducting energy business at home and abroad and multinational companies conducting energy business in China.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

The following terms and definitions are applicable to this document.

3.1

Energy enterprise

Enterprises engage in the production, supply, construction and other relevant activities of energy sources including coal, petroleum, natural gas, electricity, new energy and renewable energy.

3.2

ESG evaluation

Evaluation of enterprises' sustainable development in three dimensions:

environmental, social and corporate governance.

3.3

Policy

The intent or direction of the organization is formally expressed by the top manager.

[SOURCE: GB/T 23331—2022, 3.2.3]

3.4

Environment

The external presence of the organization's operational activities, including air, water,

land, natural resources, plants, animals, people and their interrelationships.

NOTE 1:External presence may extend from within the enterprise to the local,

regional and global system.

NOTE 2:External presence can be described by biodiversity, ecosystem, climate and

other characteristics.

[SOURCE: GB/T 24001—2016, 3.2.1]

3.5

Climate change

Climate change is caused by direct or indirect human activities that alter the

composition of the Earth's atmosphere, in addition to natural variations of climate

observed during the similar period.

[SOURCE: United Nations Framework Convention on Climate Change, Article 1]

3.6

Energy

Coal, petroleum, natural gas, biomass, electricity, heat and other resources obtain

useful energy directly or by processing and conversion.

[SOURCE: Law of the People's Republic of China on Conserving Energy, Article 2]

3.7

Energy efficiency

Output of performance, services, products, commodities, or energy (3.6), as a ratio or

other quantitative relationship to input energy.

NOTE: Input and output should be detailed in terms of quality and quantity and can

be measurable.

[SOURCE: GB/T 23331—2020, 3.5.3]

3.8

Greenhouse gas

Gaseous constituent of the atmosphere, both natural and anthropogenic, that absorbs

and emits radiation at specific wave lengths within the spectrum of infrared radiation

emitted by the earth's surface, the atmosphere and clouds.

NOTE: Unless otherwise specified, greenhouse gases in this document mainly include

carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons

(HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), and nitrogen trifluoride

 (NF_3) .

[SOURCE: GB/T 32150—2015, 3.1]

3.9

Greenhouse gas emission

The total amount of greenhouse gases (3.8) released into the atmosphere at a specific

time.

[SOURCE: GB/T 32150—2015, 3.6]

3.10

Carbon neutrality

The statute of greenhouse gas net emission is zero at a specific time.

[SOURCE: PAS 2060: 2014, 3.6, modified]

3.11

Stakeholder

Individuals or groups whose interests may be affected by the decisions or activities of

the organization, and their presence may have a direct or indirect impact on the

decisions or activities of the organization.

[SOURCE: GB/T 36000 — 2015, 3.13, modified]

3.12

Employee

Individuals who establish labor relations or de facto labor relations with the

organization through a labor contract.

[SOURCE: GB/T 36000 — 2015, 3.20]

3.13

Customer

Organizations or individuals that purchase property, products or services for

commercial, private or public purposes.

[SOURCE: GB/T 36000 — 2015, 3.5]

3.14

Supply chain

The production and circulation process involves a net chain structure formed by

providing the products to the end users. The supply chain includes suppliers,

manufacturers, logistics providers, internal distribution centers, distributors,

wholesales and other entities that contact end users.

[SOURCE: GB/T 24420 — 2009, 3.1]

3.15

Community

With a certain number of population as the main body, a regional living community

with a specific culture, organizational system, lifestyle and sense of belonging formed

in the process of residence.

NOTE: The scope of an urban community in China generally refers to the areas under

the jurisdiction of a residential (village) committee or community workstation after

the reform of the community system.

[SOURCE: GB/T 31490.1 — 2015, 2.1]

3.16

Corporate governance

An institutional arrangement that coordinates between the stakeholders of the

corporation.

[SOURCE: GB/T 26317 — 2010, 3.1]

3.17

Internal control

Processes implemented by the corporation's board of directors, board of supervisors,

management, and all employees to achieve control targets.

[SOURCE: Basic norms for enterprise internal control, Article 3]

3.18

Risk

The negative or positive effect of uncertainty on goals.

[SOURCE: GB/T 23694 — 2013, 2.1, modified]

3.19

Risk management

In terms of risk (3.18), direct and control the coordination activities of the

organization.

[SOURCE: GB/T 23694 — 2013, 3.1]

4. Basic requirements

When conducting second-party and third-party evaluations, the evaluation organization shall ensure that the enterprises being evaluated meet the following requirements:

— Energy enterprises legally established in the territory of the People's Republic

of China, established for more than three years and operating normally;

— No major or above safety, quality or environmental protection accidents have

occurred in the past three years;

— In the past three years, there have been no serious negative incidents such as

environmental violations, illegal employment, damage to customer interests, supply chain management negligence, adverse community impact, stakeholder complaints, penalty dishonesty, debt defaults, corruption and malpractice, and securities regulatory penalties.

5. Evaluation principle

5.1 Fair and objective

Based on objective facts, fair and independent evaluation of the evaluated enterprises is conducted with uniform standards.

5.2 Comprehensive and accurate

Conduct a comprehensive survey of the evaluated enterprises, accurately grasp the evaluation requirements, and ensure that the evaluation results are reliable.

5.3 Compliance due diligence

Ensure that the acquisition, analysis and other work related to evaluation information are legal compliance, true and complete.

6. Evaluation organization

6.1 Qualification conditions of evaluation organizations

The second and third-party evaluation organizations conducting ESG evaluation shall meet the following conditions:

- Having an independent legal personality with the ability and experience to carry out relevant evaluation work;
- Having the professional team and technical support required for evaluation;
- Having regulations and management documents to ensure the quality of evaluation work;
- No administrative penalties and industrial sanctions in the past three years.

6.2 Quality conditions of evaluation personnel

The personnel implementing the ESG evaluation shall meet the following conditions:

- Compliance with laws and regulations, objectivity and neutrality, keeping the commercial secrets of the evaluated enterprises, and not having any interest connection or conflict with the evaluated enterprises;
- Familiar with ESG evaluation related business, with strong analytical judgment and communication skills;
- Having rich working experience or research experience in the energy industry or ESG related fields;
- Fully understand this document, be familiar with evaluation methods and process and evaluation indexes, and be competent for evaluation work.

7. Evaluation index system

The evaluation index system is divided into four levels, including 3 first-level indexes, 14 second-level indexes, 35 third-level indexes and 120 fourth-level indexes. The

composition and grading rules of each level of indexes are shown in Annex A.

8. Evaluation methods

8.1 The ESG evaluation of energy enterprises adopts the index scoring method, and the total score is 100 points. When implementing the evaluation, all fourth-level indexes are evaluated first. After obtaining the score of fourth-level indexes, add up according to the weight of indexes, and calculate the score and total score of third-level, second-level and first-level indexes in turn. The reference weights of the indexes at each level are shown in Annex B.

8.2 The formula for calculating the score of the third-level index is shown in (1):

$$C_i = \sum_{j=1}^{n_i} D_{ij} d_{ij}$$
....(1)

Where

 C_i is the score of the ith third level index;

 n_i is the number of fourth level index corresponding to C_i ;

 D_{ij} is the score of the jth fourth level index corresponding to C_i ;

 d_{ij} is the weight of the jth fourth level index corresponding to C_i .

8.3 The formula for calculating the score of the second level index is shown in (2):

$$B_i = \sum_{j=1}^{n_i} C_{ij} c_{ij}$$
....(2)

Where

 B_i is the score of the ith second level index;

 n_i is the number of third level index corresponding to B_i ;

 C_{ij} is the score of the jth third level index corresponding to B_i ;

 c_{ij} is the weight of the jth third level index corresponding to B_i .

8.4 The formula for calculating the score of the first level index is shown in (3):

$$A_i = \sum_{j=1}^{n_i} B_{ij} \, b_{ij} c_{ij} ...$$
 (3)

Where

 A_i is the score of the ith level indicator;

 n_i is the number of second level index corresponding to A_i ;

 B_{ij} is the score of the jth second level index corresponding to A_i ;

 b_{ij} is the weight of the jth second level index corresponding to A_i .

8.5 The formula for calculating the total score is shown in (4):

$$Z = \sum_{j=1}^{n} A_j a_j....(4)$$

Where

Z is the total ESG evaluation score;

n is the number of first level index;

 A_i is the score of the jth first level index;

 a_i is the weight of the jth level index.

9. Evaluation process

9.1 Overview

The ESG evaluation of energy enterprises follows the PDCA cycle of "Plan—Do —Check—Act", and the specific process is carried out in the following steps:

- a) Plan
 - 1) Establish the evaluation organization;
 - 2) Formulate the evaluation implementation plan.
- b) Do
 - (1) Collection, processing and analysis of enterprise information;
 - (2) Formation of enterprise pre-evaluation analysis report;
 - (3) Consultation on enterprise opinion and information supplement;
 - (4) Review of evaluation information and provision of evaluation results;
 - (5) Evaluation of the results by the evaluation committee;
 - (6) Determination of evaluation results and archiving of information.
- c) Check
- d) Act

The workflow diagram for ESG evaluation of energy enterprises is shown in Figure 1.

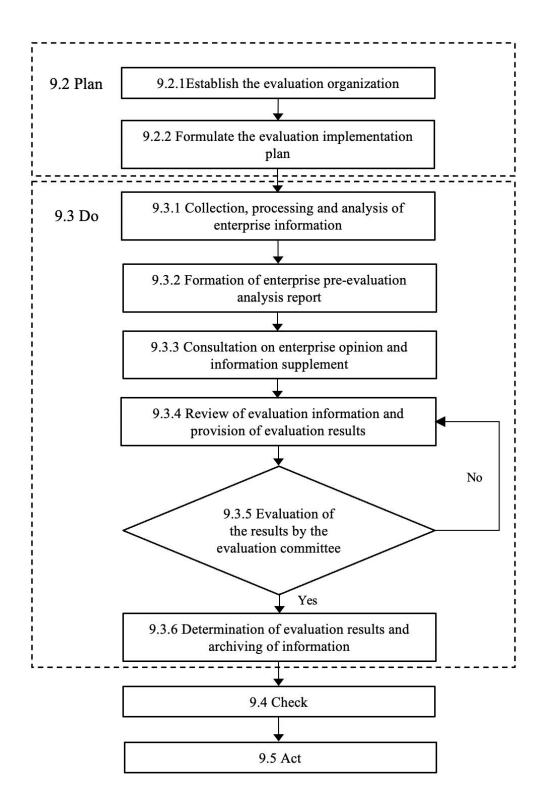


Figure 1: Process for ESG evaluation of energy enterprise

9.2 Plan

9.2.1 Establish the evaluation organization

Before starting the ESG evaluation work, the evaluation institution shall set up an organization responsible for the evaluation work (including but not limited to: the evaluation working group, evaluation committee, etc.) and formulate relevant work requirement specifications.

The evaluation working group is responsible for the execution of the whole process of evaluation, and its members shall meet the requirements (6.2).

The evaluation committee shall be composed of an odd number of not less than 5 experts in the energy industry or sustainable development related fields who are responsible for professional guidance, process supervision and review of the evaluation results.

9.2.2 Formulate the evaluation implementation plan

The evaluation working group shall formulate an evaluation implementation plan and submit it to the subordinate organization for approval. The evaluation implementation plan shall include action plans and supporting materials to complete each step in implementation (9.3).

9.3 Do

9.3.1 Collection, processing and analysis of enterprise information

9.3.1.1 Information collection

The evaluation working group shall collect relevant information of the evaluated enterprise by the evaluation index system, including but not limited to:

- Public release of information by corporations, such as: corporate annual report, corporate ESG/ corporate social responsibility (CSR)/sustainable development report, corporate announcement, corporate official website and network platform;
- Public information from government, regulatory authorities, exchanges and other authoritative channels;
- Evaluating information obtained by the working group from the enterprise or voluntarily provided by the enterprise;
- Other authoritative and reliable information sources.

9.3.1.2 Information processing

The evaluation working group shall organize, check and properly store the collected enterprise-related information.

9.3.1.3 Analysis and evaluation

Based on the collected and processed enterprise information, the evaluation working group analyzes and pre-evaluates the evaluated enterprises in accordance with the evaluation index system.

9.3.2 Formation of enterprise pre-evaluation analysis report

After completion of the analysis and pre-evaluation, the evaluation working group

shall prepare a pre-evaluation analysis report containing the performance of the evaluated enterprise on all indexes.

9.3.3 Consultation on enterprise opinion and information supplement

After the completion of the pre-evaluation analysis report, the evaluation working group shall give feedback to the evaluated enterprise for full comment. The evaluated enterprise shall verify the contents of the pre-evaluation analysis report within the specified time (not less than 10 working days) of the evaluation work. The evaluated enterprises shall point out any errors and omissions found in the evaluation analysis report, and submit suggestions for modifications together with valid explanations or supporting materials to the evaluation working group. The evaluated enterprise shall be responsible for the authenticity and integrity of the information on which the evaluation is based.

9.3.4 Review of evaluation information and provision of evaluation results

The evaluation working group reviews the evaluation information one by one and makes necessary adjustments based on the feedback of the evaluated enterprises. If necessary, the evaluation working group may adopt due diligence and other means to ensure the authenticity and integrity of the enterprise information. The evaluation working group shall ultimately provide the evaluation results of the evaluated enterprises (10.1).

9.3.5 Evaluation of the results by the evaluation committee

The evaluation committee will review the evaluation results. If more than half of the evaluation members agree, the evaluation results shall take effect; If less than half, the evaluation working group shall review the evaluation information and provide the evaluation results again (9.3.4) before submitting the evaluation results to the evaluation committee for re-evaluation.

9.3.6 Determination of evaluation results and archiving of information

The evaluation working group determines the evaluation results according to the experts' review opinions (the validity period is generally one year), and properly files and retains the evaluation process and result data for reference. The evaluation working group should keep track of the evaluated enterprise's business status and ESG performance. If the evaluated enterprise has major business changes, ESG negative events, etc., the evaluation working group shall adjust the evaluation results.

9.4 Check

After completion of the evaluation project, the evaluation working group shall review and summarize the evaluation work, including but not limited to:

- Evaluating the cost of work input and the benefits achieved;
- Improvement of evaluation index system and weight setting;
- Integrity, reliability and validity of evaluation information sources;
- Organizational model and technical means of evaluation information collection;

- Science, professionalism and accuracy of evaluation information analysis;
- Feedback from the evaluated enterprise on the evaluation process and evaluation results;
- Practical application of evaluation results and industry and social impact;
- Stakeholders' opinions and suggestions on the evaluation work.

9.5 Act

The evaluation working group shall take appropriate optimization measures to improve the evaluation work based on the results of the Check (9.4).

10 Evaluation results

The evaluation results include the total score of ESG evaluation, ESG rating and scores of all levels of indexes.

The ESG rating of energy enterprises is determined by the total score of ESG evaluation, which is divided into 8 grades. Table 1 shows the ESG rating and reference characteristics corresponding to the total score of ESG evaluation.

Table 1 Statement on ESG evaluation results of energy enterprise

Total score of ESG evaluation	ESG rating	Reference characteristics
		The enterprise's comprehensive
		management level in the field of
90 ≤Z≤ 100	AAA	environmental, social and corporate
		governance is leading, and the sustainable
		development risk of the operation is very

		low
		The enterprise's comprehensive
		management level in the field of
$80 \le Z \le 90$	AA	environmental, social and corporate
		governance is excellent, and the sustainable
		development risk of the operation is low
		The enterprise's comprehensive
		management level in the field of
		environmental, social and corporate
$70 \le Z < 80$	A	governance is good, and the sustainable
		development risk of the operation is
		relatively low
		The enterprise's comprehensive
		management level in the field of
$60 \le Z < 70$	BBB	environmental, social and corporate
		governance is average, and the sustainable
		development risk of operation is general.
		The enterprise's comprehensive
	DD.	management level in the field of
50 17 160		environmental, social and corporate
$50 \le Z < 60$	BB	governance is poor, and the sustainable
		development risk of the operation is
		relatively high
		The enterprise's comprehensive
		management level in the field of
$40 \le Z < 50$	В	environmental, social and corporate
		governance is weak, and the sustainable
		development risk of the operation is high
		The enterprise's comprehensive
$30 \le Z < 40$		management level in the field of
	C	environmental, social and corporate
	C	governance is backward, and the sustainable
		development risk of the operation is very
		high
		The enterprise's comprehensive
Z < 30	NA	management level in the field of
		environmental, social and corporate

governance is extremely poor or fails to
meet the requirements of Chapter 4, and will
not be rated

Annex A

(Normative)

ESG evaluation index and grading rule of energy enterprise

A.1 "Environmental" index

The index and grading rule under the first level index "Environmental" are shown in Table A.1.

Table A.1 Index and grading rule under the first level index "Environmental"

Second level index	Third level index	Fourth level index	Detailed grading rule
		Environmental management organization	(1) The enterprise sets up special organizational structure for environmental management, scoring 50 points; (2) The enterprise's environmental management organizational structure is directly led by members of the board of directors or senior management, scoring 50 points
Environmental	Environmental	Environmental management	The enterprise has environmental management policy
management	management	policy	commitments, scoring 100 points
management	system	Environmental management	 The enterprise has environmental management system norms, scoring 40 points; The enterprise has environmental emergency management plans and measures, scoring 20 points;
		system	(3) The enterprises has environmental management performance targets and monitor progress, scoring 20
			points;
			(4) The enterprise incorporates environmental

			performance into the scope of management
			performance assessment, scoring 20 points
			(1) The enterprise has carried out employee
		Ei	environmental management training, scoring 50 points;
		Environmental management	(2) The enterprise has carried out employee emergency
		trainning	response drills for environmental emergencies, scoring
			50 points
			All relevant business entities of the enterprise have
			passed the environmental management system (ISO
		Environmental management	14001, etc.) certification, scoring 100 points;
		certification	The enterprise has (part of) the relevant business
			entities certified with the environmental management
			system (ISO 14001, etc.), scoring 50 points
			(1) The enterprise has special investments in
			environmental protection, scoring 20 points;
			(2) The enterprise's environmental protection
		Environmental protection investment	investment or the proportion of environmental
			protection investment in revenue in the latest
	mvestment	accounting year increased year-on-year, scoring 40	
	Investment in environmental		points;
			(3) The enterprise sets up investment funds dedicated
	protection		to green/transformation fields, scoring 40 points
			(1) The enterprise has successfully issued
			green/transformation bonds in the last three accounting
		Green transformation	years, scoring 50 points;
		financing	(2) The enterprise has applied for approval of
			green/transformational loans in the last three
			accounting years, scoring 50 points
			(1) The enterprise's senior managements are
Climate change manag			responsible for evaluating and managing climate risks
	Climata	Climate change governance	and opportunities, scoring 50 points;
	Climate	framework	(2) The enterprise's board of directors are responsible
			for monitoring climate risks and opportunities, scoring
	management		50 points
	system	Climate change strategy	(1) The enterprise considers climate risks and
		integration	opportunities in business strategy planning, scoring 50
		integration	points;

			(A) TI
			(2) The enterprise evaluates the resilience of its
			business strategies under different climate-related
			scenarios, scoring 50 points
			(1) The enterprise has institutional processes for
			identifying and evaluating climate risks, scoring 50
		Climate risk management	points;
		system	(2) The enterprise has institutional processes for
			managing and responding to climate risks, scoring 50
			points
			(1) The enterprise has target plans to achieve carbon
			peak by 2030 or earlier, or has achieved carbon peak,
			scoring 30 points;
			(2) The enterprise has target plans to achieve carbon
			neutrality by 2060 or earlier, or has achieved carbon
		Planning for climate-related	neutrality, scoring 40 points;
		targets	(3) The enterprise has emission reduction planning
		turgets	while regularly disclosing emission reduction progress,
			scoring 30 points; The enterprise that have a target plan
			to reduce greenhouse gas emissions, but do not
			regularly disclose emission reduction progress, scoring
			15 points
			(1) The enterprise has shifted its business to the green
			and low-carbon field to reduce greenhouse gas
			emissions, or the business belongs to the low-carbon
			field, scoring 40 points;
			(2) The enterprise take measures to improve
Climate change mitigation measures		processes/equipment or withdraw outdated production	
	Climate	Carbon reduction measures	capacity to reduce greenhouse gas emissions, scoring
	Carbon reduction measures	30 points;	
		(3) The enterprise develops or applies negative carbon	
		technologies (such as carbon capture, utilization and	
			storage technology, direct air capture technology, etc.)
			to reduce greenhouse gas emissions, scoring 20 points;
			(4) The enterprise optimizes their own operations to
			reduce greenhouse gas emissions, scoring 10 points
			(1) The enterprise is included in the national carbon
		Carbon offsetting measures	market and fully fulfilled the contract in each
	1	l	,

			compliance cycle, or is not included in the national
			carbon market, scoring 60 points;
			(2) The enterprise offsets carbon emissions by
			purchasing voluntary carbon credits, scoring 20 points;
			(3) The enterprise carries out ecological carbon sink
			activities, scoring 20 points
			(1) The enterprise has a carbon management system
			and has the function of carbon emission management,
		Carbon management system	scoring 60 points;
		Carbon management system	(2) The enterprise has a carbon management system
			and has the function of carbon assets/carbon trading
			management, scoring 40 points
			The enterprise that implement measures to address
			climate physical risks or seize related opportunities
		DI ' 1 ' 1	(e.g., siting projects to avoid areas vulnerable to sea
		Physical risk response	level rise, product design to enhance the performance
	Climate	measures	of extreme weather conditions, extreme weather
change	change		prevention and disaster recovery measures, etc.)
	adaptation		scoring 100 points
	measures		The enterprise that implement measures to address
			climate transition risks or seize related opportunities,
		Transformation risk response	e.g., ensuring climate-related regulatory compliance
		measures	and increasing investment in research and development
			of energy-saving technologies, scoring 100 points
			(1) The total greenhouse gas emissions of the
			enterprise in the latest accounting year (scope I and
			Scope II) decreased by less than 1% year-on-year,
r			scoring 10 points; Reduction greater than 1%
			(inclusive) and less than 5%, scoring 25 points;
	Climate		Reduction greater than 5% (inclusive), scoring 50
	change	Zero carbon transition	points;
	response	performance	(2) The greenhouse gas emission intensity of the
	performance		enterprise in the latest accounting year (scope I and
			Scope II) decreased by less than 1% year-on-year,
			scoring 10 points; Reduction greater than 1%
			(inclusive) and less than 5%, scoring 25 points;
			Reduction greater than 5% (inclusive), scoring 50

			points
			(1) The enterprise has green income in the latest recent
			accounting year (i.e. revenue from operating the
			projects listed in the "Green bond support project
			catalogue" and "Green industry guidance catalogue"),
			but the proportion of green income in the total revenue
			is less than 50%, scoring 30 points; The proportion of
		Green income performance	green revenue to the total revenue is more than 50%
			(inclusive), scoring 60 points;
			(2) The proportion of green revenue to the total
			revenue of the enterprise in the latest accounting year
			has increased year-on-year or is 100%, scoring 40
			points
			(1) The enterprise sets up special energy management
			organizations, scoring 25 points;
			(2) The enterprise has energy management policy
		Energy management system	commitment, scoring 25 points;
			(3) The enterprise has energy management system
			specifications, scoring 25 points;
			(4) The enterprise carries out energy management
			performance assessment, scoring 15 points;
			(5) The enterprise has the energy management system
			(ISO50001, etc.) certification, scoring 10 points
Resource			(1) The enterprise takes measures to improve energy
exploitation	Energy	Energy efficiency	efficiency, scoring 50 points;
and utilization	resources	improvement measures	(2) The enterprise takes measures to reduce energy
and utilization			losses, scoring 50 points
			(1) The energy intensity indexes (such as
			comprehensive energy consumption per unit of output
			value, comprehensive energy consumption per unit of
			output of main products, etc.) of the enterprise in the
		Energy efficiency	latest accounting year are decreased year-on-year and
		improvement performance	reduction less than 1%, scoring 40 points; Reduction
			more than 1% (inclusive), scoring 80 points;
			(2) The energy loss indexes (such as coal
			transportation loss rate, fuel transportation loss rate,
			gas transportation loss rate, gas flash steam emission

		rate, power plant consumption rate, power grid loss
		rate, heat network loss rate, etc.) of the enterprise in the latest accounting year are decreased year-on-year, scoring 20 points
Energy	structure optimization measures	The enterprise carries out research and development of non-fossil energy development technologies (such as green hydrogen technology, ocean energy development technology, etc.), or carries out non-fossil energy utilization equipment manufacturing (such as wind/photovoltaic/biomass energy power generation equipment, etc.), or carries out non-fossil energy direct utilization activities (such as tidal energy power generation/geothermal energy heating and cooling, etc.), or the enterprise acquires non-fossil energy businesses, projects or assets, etc., scoring 100 points

			In the latest accounting year of the enterprise, the
			proportion of the output of non-fossil energy (or from
		Energy structure	non-fossil energy) products in the energy products
		optimization performance	produced has increased by less than 1%, scoring 50
			points; The proportion increases and the range is
			greater than 1%, scoring 100 points
			(1) The enterprise has water resources management
			systems, scoring 50 points;
			(2) The enterprise has relevant target plans to reducing
			fresh water use/optimizing water recycling/improving
		Water management system	water use efficiency, and regularly disclose progresses,
			scoring 50 points; The enterprise that have relevant
			targeted plans to reducing fresh water use/optimizing
			water recycling/improving water use efficiency, but do
			not regularly disclose progresses, scoring 25 points
			(1) The enterprise has measures to reduce water use in
		W	the production process, scoring 50 points;
		Water management measures	(2) The enterprise has measures to improve the use of
	Water		unconventional water resources, scoring 50 points
	resources		(1) The fresh water consumption of the enterprise in
			the latest accounting year is decreased year-on-year
			and reduction less than 1%, scoring 10 points;
			Reduction greater than 1% (inclusive) and less than
			5%, scoring 25 points; Reduction more than 5%
		Water management	(inclusive), scoring 50 points;
		performance	(2) The fresh water consumption intensity of the
			enterprise in the latest accounting year is decreased
			year-on-year and reduction less than 1%, scoring 10
			points; Reduction greater than 1% (inclusive) and less
			than 5%, scoring 25 points; Reduction greater than 5%
			(inclusive), scoring 50 points
			(1) The enterprise has waste water control and
			discharge systems (total amount, chemical oxygen
Pollution .		Waste water control and	demand (COD), ammonia nitrogen, etc.), scoring 50
prevention	Waste water	discharge system	points;
and control			(2) The enterprise has waste water (total amount, COD,
			ammonia nitrogen, etc.) emission reduction target
	l	I	

progresses, scoring 50 points; Having waste water emission reduction target plans, but not regularly disclosing progresses, scoring 25 points (1) The enterprise implements measures to reduce waste water discharge (total amount, COD, ammonia nitrogen, etc.), scoring 80 points; (2) The enterprise has innovative technology to reduce waste water discharge (total amount, COD, ammonia nitrogen, etc.), scoring 20 points (1) The waste water discharge or discharge intensity the enterprise in the latest accounting year is decreased year-on-year (or no discharge/not applicable), scoring 40 points; (2) The COD discharge or discharge intensity of the enterprise in the latest accounting year is decreased year-on-year (or no discharge/not applicable), scoring 30 points; (3) The ammonia nitrogen discharge or discharge intensity of the enterprise in the latest accounting year is decreased year-on-year (or no discharge/not applicable), scoring 30 points; (3) The ammonia nitrogen discharge or discharge intensity of the enterprise in the latest accounting year is decreased year-on-year (or no discharge/not applicable), scoring 30 points; (1) The enterprise has waste gas control and discharge systems [No., SO., Volatile organic compounds (VOCs), soot, etc.], scoring 50 points; (2) The control and discharge systems [No., SO., VOCs, soot, etc.), while regularly disclosing emission reduction target plans, but not regularly disclosing progresses, scoring 25 points (1) The enterprise implements measures to reduce			plans, while regularly disclosing emission reduction
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Waste gas control and discharge system Waste gas Wast			the enterprise in the latest accounting year is decreased
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Waste gas control and discharge system Waste gas Wast			40 points;
Waste gas			(2) The COD discharge or discharge intensity of the
Waste gas		Waste water control and	enterprise in the latest accounting year is decreased
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waste gas control and discharge system Waste gas Waste gas Waste gas (1) The enterprise has waste gas control and discharge systems [NO _x , SO ₂ , volatile organic compounds (VOCs), soot, etc.], scoring 50 points; (2) The enterprise has waste gas emission reduction target plans (NO _x , SO ₂ , VOCs, soot, etc.), while regularly disclosing emission reduction progresses, score 50 points; Having waste gas emission reduction target plans, but not regularly disclosing progresses, scoring 25 points (1) The enterprise implements measures to reduce			30 points;
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Waste gas			applicable), scoring 30 points
Waste gas control and discharge system (VOCs), soot, etc.], scoring 50 points; (2) The enterprise has waste gas emission reduction target plans (NO _x , SO ₂ , VOCs, soot, etc.), while regularly disclosing emission reduction progresses, score 50 points; Having waste gas emission reduction target plans, but not regularly disclosing progresses, scoring 25 points (1) The enterprise implements measures to reduce			(1) The enterprise has waste gas control and discharge
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Waste gas			(VOCs), soot, etc.], scoring 50 points;
Waste gas target plans (NO _x , SO ₂ , VOCs, soot, etc.), while regularly disclosing emission reduction progresses, score 50 points; Having waste gas emission reduction target plans, but not regularly disclosing progresses, scoring 25 points (1) The enterprise implements measures to reduce		W7 4 4 1 1	(2) The enterprise has waste gas emission reduction
Waste gas Waste gas regularly disclosing emission reduction progresses, score 50 points; Having waste gas emission reduction target plans, but not regularly disclosing progresses, scoring 25 points (1) The enterprise implements measures to reduce			target plans (NO _x , SO ₂ , VOCs, soot, etc.), while
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scoring 25 points (1) The enterprise implements measures to reduce			score 50 points; Having waste gas emission reduction
(1) The enterprise implements measures to reduce			target plans, but not regularly disclosing progresses,
			scoring 25 points
			(1) The enterprise implements measures to reduce
waste gas discharge (NO _x , SO ₂ , VOCs, soot, etc.),			waste gas discharge (NO _x , SO ₂ , VOCs, soot, etc.),
Waste gas control and scoring 80 points;		Waste gas control and	scoring 80 points;
discharge measures (2) The enterprise has innovative technologies to		discharge measures	(2) The enterprise has innovative technologies to
reduce waste gas discharge (NO _x , SO ₂ , VOCs, soot,			reduce waste gas discharge (NO _x , SO ₂ , VOCs, soot,
etc.), scoring 20 points			

		Waste gas control and discharge performance	(1) The NO _x discharge or discharge intensity of the enterprise in the latest accounting year is decreased year-on-year (or no discharge/no applicable), scoring 25 points; (2) The SO ₂ discharge or discharge intensity of the enterprise in the latest accounting year is decreased year-on-year (or no discharge/not applicable), scoring 25 points; (3) The VOCs discharge or discharge intensity in the latest recent accounting year is decreased year-on-year (or no discharge/not applicable), scoring 25 points; (4) The soot discharge or discharge intensity of the
			enterprise in the latest accounting year is decreased year-on-year (or no discharge/not applicable), scoring 25 points
	General waste	General waste control and	(1) The enterprise has general waste control and discharge systems, scoring 50 points; (2) The enterprise has general waste emission reduction target plans, while regularly disclosing
		discharge system	emission reduction progresses, scoring 50 points; Having general waste emission reduction target plans, but not regularly disclosing progresses, scoring 25 points
		General waste control and discharge measures	(1) The enterprise implements measures to reduce general waste discharge, scoring 80 points; (2) The enterprise has innovative technologies to reduce general waste discharge, scoring 20 points
		General waste control and discharge performance	The general waste discharge or discharge intensity of the enterprise in the latest accounting year is decreased year-on-year (or no discharge/no applicable), scoring 100 points
	Hazardous	Hazardous waste control and	(1) The enterprise has hazardous waste control and discharge systems, scoring 50 points; (2) The enterprise has hazardous waste emission
	waste	discharge system	reduction target planning, while regularly disclosing emission reduction progresses, scoring 50 points; Have hazardous waste emission reduction target plans, but

			not regularly disclosing the progresses, scoring 25
			points
			(1) The enterprise implements measures to reduce
		Hazardous waste control and	hazardous waste discharge, scoring 80 points;
		discharge measures	(2) The enterprise has innovative technologies to
			reduce hazardous waste discharge, scoring 20 points
			The hazardous waste discharge or discharge intensity
		Hazardous waste control and	of the enterprise in the latest accounting year is
		discharge performance	decreased year-on-year (or no discharge/no
			applicable), scoring 100 points
			(1) The board of directors of the enterprise is
			responsible for the supervision of biodiversity issues,
		Biodiversity governance	scoring 50 points;
		structure	(2) The senior management of the enterprise is
			responsible for the evaluation and management of
			biodiversity issues, scoring 50 points
	Biodiversity	Biodiversity strategy integration	The enterprise takes biodiversity issues into
			consideration in business strategy planning, scoring
			100 points
	management		(1) The enterprise has specific processes for identifying
	system		and evaluating relevant biodiversity risks and impacts,
		Biodiversity management	scoring 50 points;
Biodiversity		system	(2) The enterprise has specific processes for managing
Diodiversity			relevant biodiversity risks and impacts, scoring 50
			points
			The enterprise has specific performance targets and
		Biodiversity target planning	action plans related to the conservation or
			improvement of biodiversity, scoring 100 points
	Biodiversity conservation measures	Ecological impact evaluation	The enterprise implements ecological status survey and
			ecological impact prediction and formulates ecological
			protection countermeasures before the commencement
			of the project, scoring 100 points
		Ecological impact monitoring	The enterprise implements full processes ecological
			and biodiversity impact environmental monitoring
			during the project, scoring 100 points
		Ecological restoration	The enterprise implements the rehibilitation and

	measures	restoration of the ecological environment after the
		withdrawal of the project, scoring 100 points
	Ecological public welfare protection	The enterprise carries out ecological environment and
		biodiversity protection public welfare projects, scoring
		100 points

A.2 "Social" index

A.2.

The index and grading rule under the first level index "Social" are shown in Table

Table A.2 Index and grading rule under the first level index "Social"

Second level index	Third level index	Fourth level index	Detailed grading rule
Safety	Safety management system	Safety management organization Safety management policy	 (1) The enterprise sets up special organizations responsible for safety production management, scoring 50 points; (2) The safety management organization of the enterprise is directly led by the board of directors or senior management members, scoring 50 points The enterprise has a safety management policy
		Safety management system	commitment, scoring 100 points (1) The enterprise has safety management system specifications, scoring 40 points; (2) The enterprise has safety risk identifications and response mechanisms, scoring 20 points; (3) The enterprise has safety management performance targets and monitors the progresses, scoring 20 points; (4) The enterprise incorporates the safety production performance into the scope of management
		Safety management training	performance assessment, scoring 20 points The enterprise safety training coverage reaches 100%, scoring 100 points
		Occupational health examination	(1) The enterprise has occupational health examination systems, scoring 60 points;

			(2) The occupational health examination rate of the
			enterprise exceeds 90%, scoring 40 points
		Occupational disease	The enterprise formulates occupational disease
		prevention	prevention measures, scoring 100 points
			All relevant business entities of the enterprise pass the
			occupational health and safety management system
			(ISO 45001, etc.) certification, scoring 100 points;
		Occupational health and	Relevant business entities (part of) of the enterprise
		safety certification	pass the occupational health and safety management
			system (ISO 45001, etc.) certification, scoring 50
			points
			The enterprise has not occurred major or above safety
		Safety accidents	accidents in the latest three accounting years, scoring
		·	100 points
			(1) The enterprise's death rate per million working
			hours has decreased or reached 0 in the latest
		Death on duty	accounting year, scoring 50 points;
			(2) The enterprise's death rate per million working
	Safety		hours has decreased continuously or reached 0 in the
	protection performance		latest three accounting years, scoring 50 points
		Working hours loss due to work-related injuries	(1) The enterprise's rate of working hours loss due to
			work-related injuries has decreased or reached 0 in the
			latest accounting year, scoring 50 points;
			(2) The enterprise's rate of working hours loss due to
			work-related injuries has decreased continuously or
			reached 0 in the latest three accounting years, scoring
			50 points
			The enterprise has strategic plans of digital
		Digital strategy	transformation, scoring 100 points
			(1) The enterprise has organizational governance
Technology and			systems to coordinate digital transformation, scoring
	Digital		40 points;
	transformation	Digital business	(2) The enterprise has process control mechanisms to
innovation		= - 0 = 	implement digital transformation, scoring 30 points;
			(3) The enterprise has technical solutions to support
			digital transformation, scoring 30 points
		Digital benefits	(1) The enterprise achieves production and operation
		Digital benefits	(1) The enterprise achieves production and operation

			optimization through digital transformation (such as
			efficiency improvement, cost reduction, quality
			improvement, etc.), scoring 30 points;
			(2) The enterprise achieves product/service innovation
			through digital transformation (such as new
			technology/new product, service extension and
			value-added, main business growth), scoring 40 points;
			(3) The enterprise achieves business transformation
			through digital transformation (such as user/ecological
			partner connection and empowerment, digital new
			business, green and sustainable development), scoring
			30 points
			The enterprise' average R&D expenses in the latest
		Research and development	three accounting years accounted for more than 1% of
		investment	the operating income and less than 3%, scoring 50
		mvestment	points; More than 3% (inclusive), scoring 100 points
	Technology		The enterprise obtains the "national science and
	research and		technology award" in the latest three accounting years,
	development		scoring 100 points; The enterprise dose not obtain the
	development	Research and development result	"national science and technology award" in the latest
			three accounting years, but obtains the "provincial and
			ministerial science and technology award", scoring 50
			points
		Quality management policy	The enterprise has product service quality management policy commitments, scoring 100 points
			(1) The enterprise has quality management rules and
			regulations, scoring 80 points;
	Product		(2) The enterprise has remedial systems such as
		Quality management system	product recall/recycling, scoring 10 points;
Customer	quality		
			(3) The enterprise passes the quality management
value		0 14 1	system (ISO 9000) certification, scoring 10 points
		Quality improvement	The enterprise has measures to improve product
		measures	quality, scoring 100 points
	Rights protection	Customer rights protection	The enterprise has customer (consumer) rights
			protection systems or measures (such as customer
			communication, complaint handling, etc.), scoring 100
			points

			The enterprise has customer (consumer) data privacy
		Customer privacy protection	protection systems or measures, scoring 100 points
			(1) The enterprise implements customer/consumer
			satisfaction surveys, scoring 50 points
		Customer satisfaction	(2) The enterprise discloses the satisfaction survey
			data, scoring 50 points
			The enterprise has equal, diverse and
		Fair employment system	non-discriminatory employment systems, scoring 100
			points
		The prohibition of child	The enterprise has system that prohibits child labor,
		labour system	scoring 100 points
		The prohibition of forced	The enterprise has system that prohibits forced labor,
		labour system	scoring 100 points
		The signing of labour	The enterprise' labor contract signing rate reaches
		contracts	100%, scoring 100 points
			The enterprise pays five insurances and one pension
	Standardize employment	Employee' basic benefits	for all employees on time infull in accordance with the
			relevant state regulations, scoring 100 points
			(1) The enterprise sets up trade unions, scoring 50
			points;
Employee		Trade union organization	(2) The enterprise's trade union membership rate is
rights		construction	100%, scoring 25 points;
			(3) The enterprise's trade union regularly carries out
			employee service activities, scoring 25 points
			The enterprise has employee communication channels
		Employee' communication	(such as democratic communication meetings,
		and participation	employee representative discussions, open days,
			employee mailboxes, etc.), scoring 100 points
			(1) The enterprise has open employee promotion
			systems, scoring 50 points;
		Promotion mechanism	(2) The enterprise has multi-channel promotion
	Career		mechanisms for employees, scoring 50 points
	development		(1) The enterprise implements relevant systems for
	1		employee vocational training, scoring 50 points;
		Vocational training	(2) The participation rate of enterprise employees in
			vocational training reaches 90%, scoring 50 points
			vocational training reactics 90%, scoring 50 points

			The enterprise has the policy commitment of energy
		Energy supply policy	supply, scoring 100 points
			(1) The enterprise has conventional energy supply
		_	systems, scoring 50 points;
		Energy supply system	(2) The enterprise has energy emergency supply plans,
			scoring 50 points
			(1) The enterprise implements comprehensive energy
			strategies, scoring 40 points;
	Energy supply		(2) The enterprise actively signs long-term energy
		F 1	contracts, scoring 20 points;
		Energy supply measures	(3) The enterprise has energy control center/monitoring
			systems, scoring 20 points;
			(4) The enterprise has system to control energy prices
			during energy shortages, scoring 20 points
		Intermeticanal encour	The enterprise carries out international trade or
		International energy cooperation	overseas investment or technology export of green
			energy, scoring 100 points
Social		Community impact	(1) The enterprise has systems to assess and mitigate
contribution			the potential adverse impact on the local society before
Contribution			the project starts, scoring 50 points;
			(2) The enterprise has systems to track and recover the
			potential adverse impact on the local society after the
			project starts, scoring 50 points
		Community relation	(1) The enterprise has community communication and
			interactive participation mechanisms, scoring 40
			points;
	Community		(2) The enterprise implements community integration
	responsibility		and support development measures, scoring 40 points;
			(3) The enterprise has dispute appeal and conflict
			resolution mechanisms, scoring 20 points
			(1) The enterprise has system that requires security
			contractors and their own security teams to comply
			with human rights protection norms, scoring 50 points;
		Security impact	(2) The enterprise provides guidelines for security
			contractors and their own security teams to fulfill
			human rights protection responsibilities, scoring 50
			points

		Local employment	(1) The enterprise has systems to support local employment in the project site, scoring 50 points; (2) The enterprise implements measures to support local employment in the project site, scoring 50 points
		Public charity activities	(1) The enterprise carries out charitable donations or public welfare activities in the latest accounting year, scoring 40 points; (2) The enterprise has continuously carried out charitable donations or public welfare activities in the latest three accounting years, scoring 30 points; (3) The enterprise has public welfare foundation or special public welfare fund, scoring 30 points
	Social welfare	Social volunteer service	(1) The enterprise carries out social public welfare volunteer services for employees in the latest accounting year, scoring 40 points; (2) The enterprise has continuously carries out social public welfare volunteer services for employees in the latest three accounting years, scoring 60 points
		Assisting to rural revitalisation	(1) The enterprise has rural revitalization action plans, scoring 40 points;(2) The enterprise carries out measures to help rural revitalization, scoring 60 points

A.3 "Corporate Governance" index

The index and grading rule under the first level index "Corporate Governance" are shown in Table A.3.

Table A.3 Index and grading rule under the first level index "Corporate

Governance"

Second level index	Third level index	Fourth level index	Detailed grading rule
Governance structure	Stockholders'	Protection of stockholders'	(1) The enterprise formulates investor relations management systems and publicly discloses, scoring 50 points;

			(2) The entermine formulation and C. 1. 1. 1.
			(2) The enterprise formulates open profit distribution
			systems (such as cash dividends, stock dividends, etc.),
			scoring 25 points;
			(3) The enterprise sets up investor communication
			channels (such as traditional channels, network
			channels, etc.), scoring 25 points
			(1) The stockholders' meeting of the enterprise is held in
			accordance with the regulations, scoring 25 points;
			(2) At the annual stockholders' meeting of the enterprise
			in the latest accounting year, excluding the largest
			stockholders, the total number and proportion of voting
		C	shares held by the participating stockholders exceed
		Convening of stockholders'	50%, scoring 25 points;
		meeting	(3) The annual stockholders' meeting of the enterprise in
			the latest accounting year, all the directors, supervisors
			and secretaries of the board of directors are present,
			scoring 25 points;
			(4) The enterprise has cumulative voting systems for
			stockholders' meetings, scoring 25 points
			(1) The proportion of independent directors on the board
			of directors of the enterprise is greater than 1/3, scoring
			50 points;
			(2) The independent directors of the enterprise attend
		Board independence	the board meeting on time and submit the annual report
			to the stockholders' meeting of the enterprise every year,
			scoring 40 points;
			(3) The separation of the chairman and general manager
	Board of		of the enterprise, scoring 10 points
	directors		(1) At least one of the non-independent directors of the
			enterprise has professional ability or experience in the
			main business field of the enterprise, scoring 25 points;
			(2) At least one of the independent directors of the
		Board specialization	enterprise has professional ability or experience in the
		1	main business field of the enterprise, scoring 25 points;
			(3) At least one of the non-independent directors of the
			enterprise has professional ability or experience in the
			field of financial accounting, scoring 25 points;
			nere of maneral accounting, scoring 23 points,

		(4) At least one of the independent directors of the
		enterprise has professional ability or experience in the
		field of financial accounting, scoring 25 points
		(1) The board of directors of the enterprise have female
		directors, scoring 50 points;
	Board diversity	(2) The proportion of female on the board of directors of
		the enterprise exceeds 20%, scoring 50 points
		(1) The enterprise has the rules of procedure of the
		board of directors, scoring 50 points;
	Board operation	(2) The board meeting of the enterprise is held on time
		and has public records, scoring 50 points
		(1) The enterprise has audit committees, scoring 50
		points;
		(2) The enterprise has the majority of independent
	Audit committee	directors in the audit committee and serves as the
		convener, scoring 30 points;
		(3) The enterprise has the rules of procedure of the audit
		committee, scoring 20 points
	Nominating committee	(1) The enterprise has nomination committees, scoring
		50 points;
		(2) The enterprise has the majority of independent
		directors in the nominating committee and serves as the
		convener, scoring 30 points;
		(3) The enterprise has the rules of procedure of the
		nomination committee, scoring 20 points
		(1) The enterprise has remuneration and appraisal
		committees, scoring 50 points;
		(2) The enterprise has the majority of independent
	Remuneration and appraisal	directors in the remuneration and appraisal committee
	committee	and serve as the convener, scoring 30 points;
		(3) The enterprise has the rules of procedure of the
		remuneration and appraisal committee, scoring 20
		points
		(1) The enterprise has strategy committees, scoring 50
	Strategy committee	points;
		(2) The enterprise has the rules of procedure of the
		strategy committee, scoring 50 points

			(1) The enterprise has sustainable development (or ESG,
			CSR) committees, scoring 70 points;
		~	(2) The enterprise has the rules of procedure of the
		Sustainable development	sustainable development (or ESG, CSR) committee,
		commission	scoring 20 points;
			(3) The enterprise' sustainable development committee
			incorporates ESG into corporate strategy, scoring 10
			points
			(1) At least one of the supervisors of the enterprise has
			professional ability or experience in the main business
			field of the enterprise, scoring 25 points;
			(2) At least one of the supervisors of the enterprise has
		Board of supervisors	professional ability or experience in the field of
		composition	financial accounting, scoring 25 points;
			(3) The board of supervisors of the enterprise has a staff
	Board of		supervisor, scoring 25 points;
	supervisors		(4) The board of supervisors of the enterprise has
			external supervisors, scoring 25 points
			(1) The enterprise has the rules of procedure of the
		Board of supervisors operation	board of supervisors, scoring 50 points;
			(2) The enterprise's supervisory board meeting is held
			on time and has public records in the latest accounting
			year, scoring 50 points
			In the latest accounting year, the number of senior
			management leaving before the end of their term
		Senior management stability	account for less than 30% of the total number of senior
			management, scoring 100 points
			(1) The enterprise has female senior managers, scoring
			50 points;
	Senior	Senior management diversity	(2) The proportion of female senior management of
	management		enterprise exceeds 20%, scoring 50 points
			(1) The enterprise has systems of equity incentive for
		Senior management incentives	senior management, scoring 50 points;
			(2) The enterprise incorporates ESG into consideration
			when evaluating the senior management, scoring 50
			points
Business	Business	Anti-bribery and corruption	The enterprise has relevant anti-bribery and corruption

ethics	ethics system		system specifications, scoring 100 points
		A . (C	The enterprise has relevant anti-unfair competition
		Anti-unfair competition	system specifications, scoring 100 points
		Anti mananaly	The enterprise has relevant anti-monopoly system
		Anti-monopoly	specifications, scoring 100 points
		A	The enterprise has relevant anti-money laundering
		Anti-money laundering	system specifications, scoring 100 points
			(1) The enterprise has smooth channels for complaint
		C1-i44i	reporting, scoring 50 points;
		Complaint reporting	(2) The enterprise has systems to protect
			whistleblowers, scoring 50 points
		D : 11:	The enterprise has systems for conducting business
	Business	Business ethics training	ethics training, scoring 100 points
	ethics		The enterprise implements business ethics supervision
	measures	Supervision and	and inspection and accountability penalties measures,
		accountability measures	scoring 100 points
		Internal control organization	The enterprise has internal control organization
			structures with complete structures and clear
			responsibilities, scoring 100 points
			(1) The enterprise has daily monitoring mechanisms of
		T. 1 . 1 1	internal control, scoring 50 points;
		Internal control system	(2) The enterprise has regular evaluation mechanisms of
			internal control, scoring 50 points
			(1) The enterprise' internal control self-evaluation
	Internal		conclusion has no major or important drawbacks in
Risk internal	control		finance, scoring 30 points;
control			(2) The enterprise' internal control self-evaluation
			conclusion has no major or important drawbacks in
		Internal control performance	non-finance, scoring 20 points;
			(3) The enterprise issues internal control audit report,
			scoring 20 points;
			(4) The type of enterprise' internal control audit report
			opinion is a standard and unqualified opinion, scoring
			30 points
	Risk	Risk management	The enterprise has risk management organizational
	management	organization	structures with complete structures and clear

Risk management system Risk management system Risk analysis and response Risk analysis and response Risk analysis and response Supply chain fairness and trunsparency Supply chain environmental standard Supply chain environmental standard Supply chain social standard				responsibilities, scoring 100 points
Risk management system Risk management system Risk analysis and response Supply chain fairness and transparency Supply chain fairness and transparency Supply chain environmental standard Supply chain environmental standard Supply chain social standard Supply chain Supply chain social standard Supply chain				
Risk management system (2) The enterprise has regular risk review mechanisms, scoring 50 points (1) The enterprise implements internal risk identification and response measures, scoring 50 points; (2) The enterprise implements internal risk identification and response measures, scoring 50 points; (2) The enterprise implements external risk identification and response measures, scoring 50 points; (3) The enterprise implements external risk identification and response measures, scoring 50 points; (4) The enterprise formulates relevant fair and transparent supply chain systems (such as sunlight procurement, open tender), scoring 100 points (1) The enterprise has relevant green procurement system, scoring 50 points; (2) Whether the enterprise passes the environmental management of the supplier assessment standard, scoring 50 points; (3) Whether the enterprise passes the occupational health and safety management system (ISO 45001, etc.) certification is incorporated into the supplier assessment standard, scoring 50 points; (4) Whether the enterprise passes the occupational health and safety management system (ISO 45001, etc.) certification is incorporated into the supplier assessment standard, scoring 50 points; (4) Whether the enterprise passes the quality management system (ISO 9001, etc.) is incorporated into the supplier assessment standard, scoring 50 points; (5) The enterprise regularly carries out quality management system (ISO 9001, etc.) is incorporated into the supplier assessment and qualification review, scoring 50 points; (6) The enterprise regularly carries out quality management system (ISO 9001, etc.) is incorporated into the supplier assessment and qualification review, scoring 50 points; (7) The enterprise regularly carries out quality assessment and qualification review, scoring 50 points; (8) The enterprise carries out other supplier development activities (such as supporting transformation and development, providing supply chain financial services, etc.), scoring 50 points (8) Th				
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development development activities (such as supporting transformation and development, providing supply chain financial services, etc.), scoring 50 points Information Financial Reports issued on time The enterprise' regular reports (including annual reports,		quality		and other capacity building activities, scoring 50 points;
transformation and development, providing supply chain financial services, etc.), scoring 50 points Information Financial Reports issued on time transformation and development, providing supply chain financial services, etc.), scoring 50 points The enterprise' regular reports (including annual reports,			Supply chain collaborative	(2) The enterprise carries out other supplier
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Information Financial Reports issued on time The enterprise' regular reports (including annual reports,				transformation and development, providing supply
Reports issued on time				chain financial services, etc.), scoring 50 points
displayure information Reports issued on time	Information	Financial	D	The enterprise' regular reports (including annual reports,
usciosure information semi-annual reports, quarterly reports, etc.) are released	disclosure	information	Reports issued on time	semi-annual reports, quarterly reports, etc.) are released

	disclosure		on time in the latest three accounting years, scoring 100
			points
	•		The enterprise' financial statements and audit opinions
		Audit opinion on the financial	are both standard and unqualified opinions in the latest
		statements	three accounting years, scoring 100 points.
			(1) The enterprise issues ESG/CSR/ sustainable
			development reports in the latest accounting year, or
			discloses relevant information through the annual
			report, scoring 40 points;
			(2) The enterprise issues ESG/CSR/ sustainable
			development reports in the latest three accounting years,
	ESG information disclosure		or discloses relevant information through the annual
		ESG information disclosure report	report, scoring 20 points;
			(3) The enterprise' ESG information disclosures refer to
			international common frameworks [such as Global
]			Reporting Initiative Standards (GRI Standards),
			International Financial Reporting Sustainability
			Disclosure Standards (IFRS Standard), Sustainability
			Accounting Standards Board (SASB Standard), Task
			Force on Climate-Related Financial Disclosures (TCFD
			Recommendations), etc.], scoring 40 points
		ESG report assurance	The enterprise has ESG/CSR/ sustainable development
			reports in the latest accounting year, or discloses
			relevant information through the annual report with
			third-party verification, scoring 100 points

Annex B (Informative)

The weight for the ESG evaluation index of energy enterprise

The reference values for the weight of the ESG evaluation index of energy enterprise are shown in Table B.1

Table B.1 The reference values for the weight of the ESG evaluation index of energy enterprise

First leve	el index	Second lev	el index	Third leve	l index	Fourth level	index
Index name	The weighting of total score	Index name	The weighting of first level index	Index name	The weighting of second level index	Index name	The weighting of third level index
						Environmental management organization	30%
						Environmental management policy	20%
				Environmental management system	80%	Environmental management system	30%
		Environmental management	20%			Environmental management training	10%
					Environmental management certification	10%	
				Investment in	Investment in 20% revironmental protection trans	Environmental protection investment	60%
Environment	30%			environmental protection		Green transformation financing	40%
					Climate change management system	Climate change governance structure	25%
				change		Climate change strategy integration	25%
		Climate change	25%	_		Climate risk management system	25%
						Climate-related target planning	25%
				Climate change mitigation	25%	Carbon emission reduction measures	60%
				measures		Carbon offset	20%

					mansuras			
					measures Carbon			
						20%		
					management	20%		
					system			
			CI: 4		Physical risk	500/		
			Climate		response	50%		
			change	20%	measures			
			adaptation		Transformation	500/		
			measures		risk response	50%		
					measures			
			Climate		Zero carbon			
			change		transformation	70%		
			response	20%	performance			
			performance		Green income	30%		
			1		performance			
					Energy			
					management	20%		
					system			
			Energy resource		Energy efficiency			
					improvement	20%		
				80%	measures			
					Energy efficiency	20%		
					improvement			
					performance			
					Energy structure	20%		
	Resource				optimization			
	exploitation	25%			measures			
	and utilization				Energy structure	20%		
	and unitzation				optimization			
					performance			
					Water	30%		
					management			
					system			
			***		Water			
			Water	20%	management	30%		
			resource		measures	·		
					Water			
					management	40%		
					performance			
					Waste water			
	Pollution				control and	30%		
	prevention	20%	Waste water	25%	discharge system			
					Waste water			
1	and control	and control	and control					30%

					disabars	
					discharge	
					measures	
					Waste water	
					control and	40%
					discharge	
					performance	
					Waste gas control	
					and discharge	30%
					system	
					Waste gas control	
			Waster gas	25%	and discharge	30%
					measures	
					Waste gas control	
					and discharge	40%
					performance	
					General waste	
					control and	30%
					discharge system	
			General waste		General waste	30%
					control and	
				25%	discharge	
					measures	
					General waste	30%
					control and	
					discharge	
					performance	
					Hazardous waste	
					control and	
					discharge system	
					Hazardous waste	
			Hazardous		control and	
				25%		30%
			waste		discharge	
					measures	
					Hazardous waste	400/
					discharge	40%
					performance	
					Biodiversity	
					governance	25%
			Biodiversity		structure	
	Biodiversity	10%	management	50%	Biodiversity	25%
	21001.01010	10,0	system	2070	strategy	
			System		integration	
					Biodiversity	250/
					management	25%

						gratam	
						system	
						Biodiversity	25%
						target planning	
				Biodiversity		Ecological	30%
						impact evaluation	
						Ecological	200/
						impact	30%
					7 00/	monitoring	
				conservation	50%	Ecological .	• • • •
				measures		restoration	30%
						measures	
						Ecological public	
						welfare	10%
						protection	
						Safety	
						management	15%
						organization	
						Safety	15%
						management	
						policy	
						Safety	
					management	25%	
		Safety protection	30%	Safety management	80%	system	
						Safety	10%
						management	
				system		training	
						Occupational	15%
						health	
Social	30%					examination	
Social	3070					Occupational	10%
						disease	
						prevention	
						Occupational	
						health and safety	10%
						certification	
						Deaths on duty	60%
				Safety		working hours	
			production	20%	lost due to	4007	
				performance		work-related	40%
						injuries	
		T. 1				Digital strategy	30%
		Technology	2007	Digital	500 ′	Digital	4007
		and	20%	transformation	50%	management	40%
		innovation				Digital benefit	30%

					Research and	
					development	80%
			Technology		investment	
			research and	50%	Research and	
			development		development	20%
					result	
					Quality	
					management	20%
					policy	
			D 1 /		Quality	
			Product	60%	management	30%
			quality		system	
	G .				Quality	
	Customer	20%			improvement	10%
	value				measures	
					Customer rights	200/
			Rights protection	40%	protection	20%
					Customer privacy	100/
					protection	10%
					Customer	10%
					satisfaction	1070
					Fair employment	
					system	20%
					The prohibition	
					of child labour	10%
					system	
					The prohibition	
					of forced labour	10%
					system	1070
			G. 1 1		Labour contract	
			Standardize	80%	signing	20%
	Employee	20%	employment		Employees' basic	
	rights	20%			welfare	20%
					The	
					establishment of	
					labour unions	10%
					organization	
					Employees'	
					communication	10%
					and participation	
					Promotion	
			Career	20%	mechanism	50%
			development		Vocational	50%

						training	
		Social				Energy supply policy	20%
						Energy supply system	40%
				Energy supply	50%	Energy supply measures	30%
						International energy cooperation	10%
			10%			Community	40%
		contribution	1070	Community responsibility	30%	Community relation	40%
				Teoponomity		Security impact	10%
						Local employement	10%
				Social welfare	20%	Public charity activities	50%
						Social volunteer service	20%
						Assisting to rural revitalization	30%
				Stockholders'	2.70/	Protection of stockholders' rights	50%
				meeting 25%		Convening of stockholders' meetings	50%
						Board independence	10%
Corporate	40%	Governance	40%			Board specialization	20%
governance	40%	structure	40%			Board diversity	10%
						Board operation	10%
				Board of	50%	Audit committee	10%
				directors		Nomination committee	10%
						Remuneration and appraisal	10%
						committee Strategy committee	10%

	Risk internal control	20%	control Risk	40%	system Internal control performance Risk management organization	40%
			Internal	60%	Internal control organization Internal control	30%
	Business ethics		Business ethics measures	40%	training Supervision and accountability measures	60%
		20%	ethics system		Anti-money laundering Complaint reporting Business ethics	20%
			Business	60%	Anti-unfair competition Anti-monopoly	20%
					management incentives Anti-bribery and corruption	20%
			Senior management	15%	stability Senior management diversity Senior	30%
					operation Senior management	30%
			Board of supervisors	10%	composition Board of supervisors	50%
					Board of supervisors	50%
					Sustainable development committee	10%

				Risk analysis and response	20%
				Supply chain fairness and transparency	40%
		Supply chain compliance Supply chain quality	60%	Supply chain environmental standard	30%
Supply chain management	10%			Supply chain social standard	30%
			40%	Supply chain quality management	60%
				Supply chain collaborative development	40%
		Financial		Reports issued on time	50%
Information	10%	information disclosure	60%	Audit opinion on financial statement	50%
disclosure		ESG information disclosure	400/	ESG information disclosure report	70%
			40%	ESG report assurance	30%

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