中广核 CGN

中國廣核電力股份有限公司
CGN Power Co., Ltd. *

H-share Stock Code: 1816

A-share Stock Code: 003816

(A joint stock company incorporated in the People's Republic of China with limited liability)

2025 Environmental, Social and Governance Report

*For identification purpose only

Contents

About This Report

This is the eleventh Environmental, Social and Governance (ESG) Report published by CGN Power Co., Ltd. (the **"Report"**) which aims to elaborate on our ESG performance in 2025 in an open and transparent manner. We hope to disclose our sustainability vision, strategy and practices to stakeholders in a more comprehensive and objective manner through this Report, and facilitate their understanding of our thoughts and practices on corporate social responsibility.

Reporting Scope

The reporting scope and period is consistent with the 2025 annual report.

With regard to continuity and comparability, certain information in this Report will be appropriately extended when necessary, and if applicable, historical data will also be presented for comparison.

Reporting Standards

Environmental, Social and Governance Reporting Code (***ESG Code***) of The Stock Exchange of Hong Kong Limited (**SEHK**)

Self-Regulatory Guidance No. 3 for Companies Listed on Shenzhen Stock Exchange—Preparation of Sustainability Report (***the Guidance***)

Sustainability Disclosure Standards for Business Enterprises: Basic Standard (Trial) (***Application Guidance***) jointly issued by nine ministries, including the Ministry of Finance

Corporate Sustainable Disclosure Standard No. 1 - Climate (Trial) (***Climate Standards***) jointly released by nine ministries and commissions, including the Ministry of Finance

GRI Sustainability Reporting Standards (***GRI Standards***) issued by Global Reporting Initiative

United Nations Global Compact

ISO 26000: 2010 Guidance on Social Responsibility of the International Organization for Standardization (**ISO**)

Guidelines to the State-owned Enterprises Directly under the Central Government on Fulfilling Corporate Social Responsibilities with High Standards in the New Era of the State-owned Assets Supervision and Administration Commission of the State Council (**SASAC**)

Guidelines on Sustainability Reporting for Chinese Enterprises (***CASS-ESG 6.0***) of China Enterprise Reform and Development Society (**CERDS**)

Name Description

For ease of expression, CGN Power Co., Ltd. in this Report is also expressed as "CGN Power", "the Company", or "we/our". CGN Power and its subsidiaries are also expressed as "the Group". Subsidiaries and major associated companies are also expressed as "subsidiaries". Unless otherwise defined, the terms used in this Report shall have the same meanings as those defined in the H-share Annual Report 2024 published by the Company on April 11, 2025.

Reliability and Assurance

The contents of this Report are compiled from internal documents, statistical reports or relevant public information of the Company. The Company assures that the contents of this Report, for which the Company accepts full responsibility for, are true, accurate and complete and are free of any false statement, misleading representations or material omissions.

To ensure its truthfulness and reliability, this Report has been submitted to Ernst & Young Hua Ming LLP (Special General Partnership) for a third-party assurance, which was conducted in accordance with the International Standard on *Assurance Engagements 3000 (Revised): Assurance Engagements other than Audits or Reviews of Historical Financial Information* (***"ISAE 3000"***) with an independent assurance report and statement provided on page 163 of this Report.

Access to This Report

This Report is available in simplified Chinese, traditional Chinese and English. The electronic copy can be viewed and downloaded from the websites of SEHK (www.hkexnews.hk), SZSE (www.szse.cn), CNINFO (www.cninfo.com.cn) and the investor relations section of our website (www.cgnp.com.cn). For any discrepancy between different versions, the simplified Chinese version shall prevail.

Feedback

Your precious opinions and suggestions are critical to our sustainable development. If you have any comments and suggestions, please contact us via the ways provided in the feedback form at the end of the Report.

Board Statement

CGN Power Co., Ltd. highly values the sustainable corporate development. ESG lies at the core of our operation, and has been integrated into our development strategies, major decisions and production operations, to actively promote the coordination among our business, the environment and the society. The Company and the Board of Directors (the "Board") have adhered to the requirements of the Governance Rules for Listed Companies issued by China Securities Regulatory Commission, the ESG Code issued by the SEHK, the Guidance of SZSE, the Basic Standard and Climate Standards. Based on this, we continuously improve our ESG governance system, strengthen the supervision and participation of the Board in ESG-related issues, and have effectively managed ESG-related risks.

ESG Supervision

As the top decision-making body on ESG-related issues, the Board is responsible for improving the Company's governance system as well as setting and supervising objectives of long-term performance and management. It also needs to evaluate business performance, supervise management performance, and identify risks to maintain the high-standard governance. As an important element of corporate governance, ESG is integrated into the Company's overall governance system and risk management. The Board regularly receives briefings of ESG-related issues including the operational management and safety management of the Company and puts forward ESG requirements at the Board meetings. During the recess of the Board, Board members are provided with monthly corporate management reports, including ESG-related issues.

Our ESG governance structure consists of governance, management, organization and implementation. Such a structure continuously improves the standardisation and professionalisation of ESG governance. On the governance level, we set up the Audit and Risk Management Committee under the Board to review major ESG-related issues and ESG reports and report directly to the Board. The Board shall make decisions after deliberation. Other specialized committees are responsible for relevant ESG supervision in specialized areas.

In December 2025, all directors participated in written and video training provided online by HKEX to learn about ESG matters, continuously enhancing their capability to supervise ESG-related affairs.

ESG Management Principles and Strategies

Committed to the concept of "Natural Energy Powering Nature", the Board and its subordinate committees integrate ESG topics such as corporate governance, operation, nuclear safety, climate change and community development into our management, deliberation and decision-making processes. The responsibilities of the Audit and Risk Management Committee of the Board involve the management of ESG risks including business ethics, construction safety, employee occupational health, industrial safety and fire risks and climate change risks, as well as the supervision, identification and management of relevant risks. The annual Internal Control Evaluation Report shall be submitted to the Board for approval after being reviewed by the Audit and Risk Management Committee. An accounting firm is also hired to audit the effectiveness of the Company's internal control to ensure it is effective and reliable. In addition, the topics of the Nuclear Safety Committee of the Board, along with those concerns and recommendations made by the Board members, also cover climate-related issues, such as actionable steps to deal with high temperature, low temperature and extreme weather and the continuous improvement of safety management of coolant in NPPs, etc., which are reported to the Board.

The Company conducts the double materiality assessment under the oversight of the Board to ensure that the identification, prioritization, and final approval of key ESG topics are fully aligned with our corporate strategy and stakeholder expectations. During the Reporting Period, there were no material changes to CGN Power's business model, policy environment, or natural environment in operational areas. In accordance with the relevant requirements of the Guidance of the Shenzhen Stock Exchange, the Company therefore did not re-identify or re-assess material ESG topics for the Reporting Period. The Board reviewed and confirmed the material topics identified in the previous reporting year. The results were subsequently reviewed and confirmed by the Audit and Risk Management Committee and the Board in January 2026. For more details, please refer to the section titled "Materiality Assessment" in this report.

ESG Progress Review

In 2025, through the validation of the double materiality topics, our ESG vision, strategy and goals were highly aligned with the Nuclear Energy Industry Medium and Long-term Development Strategy and 14th Five-Year Plan of the Company (the Strategic Planning), which have been reviewed and approved by the Audit and Risk Management Committee and the Board. Subsequent assessment and confirmation will be made in accordance with the adjustment of the Strategic Planning in 2026. During the Reporting Period, the Board convened 5 regular meetings, and the specialized committees of the Board also convened regular meetings to track, monitor and review major ESG topics. Such topics as the Board structure and the independence of independent Directors were reviewed. Other topics such as risk management, internal control assessment, ESG Report, and remuneration policy and performance contract for senior management were deliberated. The progress of the Company's Safety Management Status Report and the Report on the Company's Management in Response to New ESG Regulations, as well as its work safety and management were reviewed. These efforts aimed to fully achieve ESG key performance objectives and effectively improve our sustainability management and performance.

On March 25, 2026, the 2025 ESG Report of the Company was approved by the Board.

About Us

Our Business

CGN Power (SEHK stock code: 1816, SZSE stock code: 003816) was incorporated on March 25, 2014. After it was officially listed on the Main Board of SEHK on December 10, 2014, CGN Power was listed on SZSE on August 26, 2019. Its primary businesses include construction, operation and management of nuclear power plants (NPPs), sales of nuclear power generated from those NPPs, as well as organization and development of the design and scientific research of NPPs.

Building on the successful construction of Daya Bay NPP, the Company has accumulated rich experience through introduction, digestion, assimilation, accumulation and innovation in nuclear power construction and operation. We have established professional systems in nuclear power maintenance and operation, design and construction, R&D and personnel training in line with international practices. As of the end of the Reporting Period, we managed 10 nuclear power sites, 28 units in service and 20 units under construction[1], with a total installed capacity of more than 56.06 GW.

CGN Power continues to develop nuclear power efficiently on the basis of safety. With safe, economical and reliable power supply, we strive to become a leader in the development and application of new nuclear energy technologies, maintain a leading position in domestic nuclear power generation, and elevate our competitiveness in the international nuclear power market.

Equity Structure[2]

China General Nuclear Power Corporation	Guangdong Hengjian Holdings Investment Co., Ltd.	China National Nuclear Corporation	Other H-share Shareholders	Other A-share Shareholders
58.89%	6.79%	3.32%	21.00%	10.00%

Main Subsidiaries and Associated Companies

Name	China Nuclear Power Operations Co., Ltd. (CGN Operations)	China Nuclear Power Engineering Co., Ltd. (CGN Engineering)	China Nuclear Power Technology Research Institute Co., Ltd. (CNPRI)	Suzhou Nuclear Power Research Institute (SNPI)	Ling Ao Nuclear Power Co., Ltd. (Ling'ao Nuclear)	CGN Lufeng Nuclear Power Co., Ltd. (Lufeng Nuclear)	Shandong Zhaoyuan Nuclear Power Co., Ltd. (Zhaoyuan Nuclear)	Huizhou No.2 Nuclear
Shareholding ratio	100%	100%	100%	100%	100%	100%	100%	100%
Name	Taishan No.2 Nuclear	Huizhou No.3 Nuclear	Eastern Guangdong Nuclear	Lingdong Nuclear Power Nuclear Co., Ltd. (Lingdong Nuclear)	Daya Bay Nuclear Power Operations and Management Co., Ltd. (DNMC)	Huizhou Nuclear	Guangdong Nuclear Power Joint Venture Co., Ltd. (GNP JVC)	
Shareholding ratio	100%	100%	100%	93.88%	87.5%	82%	75%	
Name	Yangjiang Nuclear Power Co., Ltd.(Yangjiang Nuclear)	Fangchenggang No.3 Nuclear	Taishan Nuclear Power Joint Venture Co., Ltd. (Taishan Nuclear)	Fujian Ningde Second Nuclear Power Co., Ltd. (Ningde No.2 Nuclear)	Liaoning Hongyanhe Nuclear Power Co., Ltd. (Hongyanhe Nuclear)	Guangxi Fangchenggang Nuclear Power Co., Ltd. (Fangchenggang Nuclear)	Fujian Ningde Nuclear Power Co., Ltd.(Ningde Nuclear)	
Shareholding ratio	61.72%	61%	51%	51%	38.88%	36.6%	33.76%	

[1] Including 4 units that are approved for FCD or entrusted by the controlling shareholder of the Company. FCD: First Concrete Date, the date of pouring the first tank of concrete. It marks the commencement of civil engineering on the nuclear power site, and has milestone significance in the construction of nuclear power projects.

[2] Equity structure of the Company as of December 31, 2025.

Business Presence[3]

CGN Power keeps investing in the construction of safe and efficient nuclear power units to develop clean nuclear power energy.

- February 24, 2025: Lufeng Unit 1 completed its first tank of concrete pouring (FCD), commencing full-scale construction.
- April 27, 2025: Taishan Phase II Project and Fangchenggang Phase III Project obtained approval from the State Council.
- June 10, 2025: Huizhou Unit 3 completed FCD, commencing full-scale construction.
- November 18, 2025: Zhaoyuan Unit 1 completed FCD, commencing full-scale construction.
- November 19, 2025: Cangnan Unit 3 completed FCD, commencing full-scale construction.
- December 16, 2025: Ningde Unit 6 completed FCD, commencing full-scale construction.
- December 22, 2025: Lufeng Unit 2 completed FCD, commencing full-scale construction.

As the end of 2025, our businesses are as follows.

Nuclear Power Site	Gigawatt-level units in operation / unit	1.75GW units in operation / unit	units under construction[4] / unit
Daya Bay Nuclear Power Site	6	\	\
Yangjiang Nuclear Power Site	6	\	\
Taishan Nuclear Power Site	\	2	2
Huizhou Nuclear Power Site	\	\	4
Lufeng Nuclear Power Site	\	\	4
Ningde Nuclear Power Site	4	\	2
Fangchenggang Nuclear Power Site	4	\	2
Cangnan Nuclear Power Site	\	\	4
Zhaoyuan Nuclear Power Site	\	\	2
Hongyanhe Nuclear Power Site	6	\	\

28
Nuclear power units in operation

20
Nuclear power units under construction[5]

31,838MW
In-service installed capacity

24,222MW
Installed capacity of units under construction[6]

52.2%
CGN Power's share of installed capacity

56,060MW, 44.5%
Total installed capacity in operation and under construction

[3] For more details on our businesses (excluding nuclear power projects entrusted by the controlling shareholders), please refer to the section "Production Capital" of the H-Share Annual Report 2025.

[4、5、6] Including units under entrusted management and units that have been approved for FCD.

Units in Operation and Under Construction[7]

Company	Shareholding Ratio	Unit	Model	Commercial Operation Date	Installed Capacity (MW)
Consolidated Subsidiaries					
Ling'ao Nuclear	100%	Ling'ao Unit 1	M310	May 2002	990
		Ling'ao Unit 2	M310	January 2003	990
Lufeng Nuclear	100%	Lufeng Unit 1	CAP1000	Under Construction	1,245
		Lufeng Unit 2	CAP1000	Under Construction	1,245
		Lufeng Unit 5	HPR 1000	Under Construction	1,200
		Lufeng Unit 6	HPR 1000	Under Construction	1,200
Zhaoyuan Nuclear	100%	Zhaoyuan Unit 1	HPR 1000	Under Construction	1,214
		Zhaoyuan Unit 2	HPR 1000	Approved for FCD	1,214
Huizhou No.2 Nuclear	100%	Huizhou Unit 3	HPR 1000	Under Construction	1,209
		Huizhou Unit 4	HPR 1000	Approved for FCD	1,209
Lingdong Nuclear	93.88%	Lingdong Unit 1	CPR1000	September 2010	1,086
		Lingdong Unit 2	CPR1000	August 2011	1,086
Huizhou Nuclear	82%	Huizhou Unit 1	HPR 1000	Under Construction	1,202
		Huizhou Unit 2	HPR 1000	Under Construction	1,202
GNPJVC	75%	Daya Bay Unit 1	M310	February 1994	1,026
		Daya Bay Unit 2	M310	May 1994	1,026
Yangjiang Nuclear	61.72%	Yangjiang Unit 1	CPR1000	March 2014	1,086
		Yangjiang Unit 2	CPR1000	June 2015	1,086
		Yangjiang Unit 3	CPR1000+	January 2016	1,086
		Yangjiang Unit 4	CPR1000+	March 2017	1,086
		Yangjiang Unit 5	ACPR1000	July 2018	1,086
		Yangjiang Unit 6	ACPR1000	July 2019	1,086
Taishan Nuclear	51%	Taishan Unit 1	EPR	December 2018	1,750
		Taishan Unit 2	EPR	September 2019	1,750
Taishan No.2 Nuclear	100%	Taishan Unit 3	HPR 1000	Approved for FCD	1,200
		Taishan Unit 4	HPR 1000	Approved for FCD	1,200
Fangchenggang Nuclear	36.6%	Fangchenggang Unit 1	CPR1000	January 2016	1,086
		Fangchenggang Unit 2	CPR1000	October 2016	1,086
		Fangchenggang Unit 3	HPR 1000	March 2023	1,188
		Fangchenggang Unit 4	HPR 1000	May 2024	1,188
Fangchenggang No.3 Nuclear	61%	Fangchenggang Unit 5	HPR 1000	Approved for FCD	1,208
		Fangchenggang Unit 6	HPR 1000	Approved for FCD	1,208
Ningde Nuclear	33.76%	Ningde Unit 1	CPR1000	April 2013	1,089
		Ningde Unit 2	CPR1000	May 2014	1,089
		Ningde Unit 3	CPR1000	June 2015	1,089
		Ningde Unit 4	CPR1000	July 2016	1,089
Joint ventures and associated companies					
Hongyanhe Nuclear	38.88%	Hongyanhe Unit 1	CPR1000	June 2013	1,119
		Hongyanhe Unit 2	CPR1000	May 2014	1,119
		Hongyanhe Unit 3	CPR1000	August 2015	1,119
		Hongyanhe Unit 4	CPR1000	June 2016	1,119
		Hongyanhe Unit 5	ACPR1000	July 2021	1,119
		Hongyanhe Unit 6	ACPR1000	June 2022	1,119
Ningde No.2 Nuclear	51%	Ningde Unit 5	HPR 1000	Under Construction	1,210
		Ningde Unit 6	HPR 1000	Under Construction	1,210
Companies entrusted by the controlling shareholders					
Cangnan Nuclear	Not applicable	Cangnan Unit 1	HPR 1000	Under Construction	1,208
		Cangnan Unit 2	HPR 1000	Under Construction	1,208
Cangnan No.2 Nuclear	Not applicable	Cangnan Unit 3	HPR 1000	Under Construction	1,215
		Cangnan Unit 4	HPR 1000	Approved for FCD	1,215

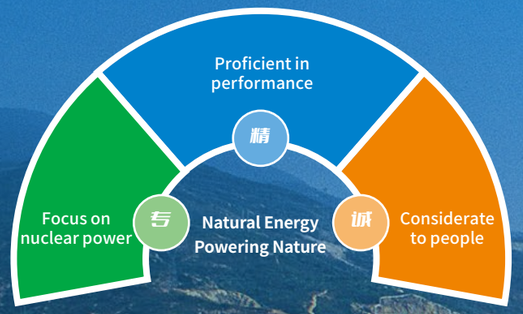
[7] The Units are as of December 31, 2025.

Our Culture

At CGN Power, we take "Natural Energy Powering Nature" as the brand slogan, and anchor the brand positioning of nuclear safety energy, to fully practice the concept of "safe, green, innovative and responsible development". Built on safe and steady nuclear power operation, we incorporate sustainable development in the decision-making process and daily operations while taking into account the brand characteristics of low-carbon and green nuclear power. Our goal is to build a responsible concept model to develop clean energy that facilitates economic and environmental development as well as social progress.

Value

To share benefits with more stakeholders



Clean

To cope with climate change by making energy more reliable and secure

Human-oriented

To understand and respond to more concerns and expectations of the public

Mission

Developing Nuclear Energy to Benefit Mankind

Committed to power supply and services dominated by nuclear power generation, we follow the principles of "safety first, quality foremost and pursuit of excellence" and work style of "strict compliance, prudent decision-making, detail-oriented and fact-based approach" to create the best values for customers, shareholders, employees and the society.

Vision

A World-class Nuclear Power Supplier and Service Provider with Global Competitiveness

Targeting the domestic and international markets, we strive for a higher level of public trust, responsibility, technology, strength, sustainable development and value, and aspire to become a well-respected world-class nuclear power company.

Basic Principles

Safety First, Quality Foremost and Pursuit of Excellence

We adhere to the basic principles of "safety first, quality foremost and pursuit of excellence" and make them the guiding principle of all decision-making in production and operation management.

Work Style

Strict Compliance, Prudent Decision-making, Detail-oriented and Fact-based Approach

"Strict compliance, prudent decision-making, detail-oriented and fact-based approach" is our work style and attitude. Only in this way can we ensure safety, quality, excellence, and realize our mission and vision.

Our Strategy

Excellence

We pursue excellent safety performance and align ourselves with international first-class indicators of World Association of Nuclear Operators (**"WANO"**) to improve the safety performance of nuclear power plants (NPPs). Our "Standardization, Centralization, and Specialization" (SCS) management strategy is practiced diligently to increase the control of multiple units. We implement lean management to optimize the costs of operation and engineering projects.

Stability

Based on the development characteristics of the nuclear power industry, we adhere to high standards, pursue high quality, and ensure stable production, operation, and engineering construction performance. We seek stable profitability, insist on sound financial policies, and constantly optimize the capital structure and financing costs to assure fund security. We provide long-term and stable returns to shareholders and implement long-term and stable dividend policies.

Cleanness

We are always committed to developing clean energy, concentrating on nuclear power and the comprehensive utilization of nuclear energy, and strictly control the discharge of radioactive substances during NPPs operation to protect the environment with every effort. We reasonably use resources, continuously improve resource utilization, reduce resource consumption in the Company's business activities, and actively implement corporate social responsibility.

Growth

We keep improving our core competitiveness, grasp the strategic opportunities of nuclear power development, and promote the approval and commencement of new nuclear power projects to strive to maintain the leading business size in China. Guiding the Company's development through technological innovation, we insist on innovation-driven development, continuously promote the development and application of new technologies, and maintain the potential and competitiveness of development.

Long-Term Development Goals Through the Year 2035

Building a World-class Nuclear Power Enterprise with Global Competitiveness

To greatly enhance the comprehensive competitiveness of the industry, with the world's largest total installed capacity in operation and under construction, and world-class safety operation performance; boast a well-known brand influence; achieve high-level technological self-reliance and self-improvement; become a benchmark for building a modern enterprise system with Chinese characteristics.

Key development goals set for the "14th Five-Year Plan" period

Five "first-class" goals

- First-class safety, quality and environmental protection
- First-class engineering construction
- First-class scientific and technological innovation
- First-class operating effectiveness
- First-class corporate management

We focus on consolidating the foundation, promoting advantages, remedying our weakness, and expanding the industry to achieve higher quality, more efficient, more equitable, more sustainable, and safer development.

Our 2025

Overview of Annual Key Figures

On-grid Power Generation
232,648 GWh

Installed Capacity of Units in Operation
31,838 MW

Financial Data

Total Assets approximately
505,656.12 million yuan

Revenue approximately
75,696.56 million yuan

Total Profit approximately
18,602.72 million yuan

Tax Payment approximately
11,718.64 million yuan

R&D Investment approximately
4,063.12 million yuan

Safe Operation

85.12% Proportion of units whose WANO indicators[8] achieve the world's advanced level (the world's top quartile)

Nuclear incidents of level-2 or above
0

Nuclear engineering construction safety accident rate
0

Patents
1,196

Green Development

Approximately **70.4458 million tons**
Standard coal consumption reduced converted from on-grid nuclear power generation

Approximately **214.9669 million tons**
CO_2 emissions reduction equivalent

Approximately **17,900 tons**
SO_2 emission reduction equivalent

Approximately **29,100 tons**
NOx emission reduction equivalent

Employee Development

22,928
Employees in total

142.37 hours
Average training per employee

100%
Training coverage

Win-win Cooperation

432
Suppliers introduced

4,216
Qualified suppliers

Harmonious Communities

Approximately **28.535 million yuan** Donations in total

13,522.3 hours
Employees' participation in charitable activities

10,000+
Participants in "popularization of nuclear science in schools" activities Approximately

250,000+
Public visitors to the science popularization exhibition hall

[8] Compared with all 12 yearly performance indicators of WANO peers.

Key Accomplishments (2021–2025)

Nuclear power project development

8 projects, comprising a total of **16** units, received national approval

10
units completed its first tank of concrete pouring (FCD), commencing full-scale construction.

4
units were commissioned

Cumulative ongrid nuclear power generation increased by **38.4%** compared with the 2016–2020 period

Total installed nuclear power capacity[9] increased by **58.6%** compared with the end of the 2016–2020 period

Green development

330 million tons
Cumulative nuclear power generation reduced standard coal consumption

990 million tons
Equivalent to reducing CO_2 emissions

2.416 million hectares
Equivalent to the environmental benefit of afforestation covering

Safe operation

The ratio of WANO indicators reaching the world's excellent level increased by approximately **12.6%** compared with the end of the 2016–2020 period

Ling'ao Unit 1 achieved over **7,000** consecutive days of safe operation, setting a world record for safe operation among comparable units internationally

Social contribution

154 million yuan
Cumulative investment in rural vitalization initiatives, disaster relief, and related support

Major annual ESG ratings

Domestic				
CSI ESG	CNI ESG	Wind ESG	IIGF	SynTao Green Finance
AAA	AAA	AA	A+	A-

Overseas				
ESG Rating by the Hong Kong Quality Assurance Agency (HKQAA)	S&P Global CSA Rating	FTSE ESG Rating	MSCI ESG Rating	Sustainalytics ESG Risk Rating
A-	36	3.0	BB	30.0

[9] Total installed capacity includes units approved for FCD, units under construction, units in operation, and units entrusted for management by the controlling shareholder.

Major Awards of the Year

Governance

- ★ CGN Power was awarded the highest Grade A on the Information Disclosure Assessment of Shenzhen Stock Exchange for the fifth consecutive year.
- ★ CGN Power was recognized with multiple honors, including the Best Practice Case of the Board of Directors of Listed Companies, the Best Practice Case of the Board Office of Listed Companies, the Best Practice Case for Sustainable Development.
- ★ One CGN Power case was included in the *Research Report on ESG of Listed Companies Controlled by Central State-owned Enterprises (2025)*.
- ★ Ningde Nuclear received multiple awards in the 2025 Fujian Provincial Enterprise Management Modernization Innovation Achievements.
- ★ Fangchenggang Nuclear won the third prize in the 2025 Corporate ESG Outstanding Achievement Papers (Case Studies).

SQE[10]

- ★ DNMC was recognized as a good practice under the *Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management* by the United Nations.
- ★ Yangjiang Nuclear received the 2025 Global Performance Excellence Award and the International Best Practice Award from the Asia Pacific Quality Organization (APQO), and was rated 5A (highest grade) of National Quality Trustworthy Team Award.
- ★ China Nuclear Power Design Co., Ltd. (Shenzhen) (**"CNDC"**) was nominated for the China Quality Award.
- ★ Ningde Nuclear won the gold award at the International Convention on Quality Control Circles (ICQCC) for the third consecutive year, and was recognized with E5 Grade Maturity of Organization with Performance Excellence Model, National Quality Benchmark, and the National Quality Technical Award.
- ★ One project of Fangchenggang Nuclear was recognized as the 2025 National Quality Benchmark.

Technology

- ★ One achievement of CGN Engineering was selected as 2024 Top 10 Technological Innovations on the National Energy Administration's Research and Development Innovation Platform.
- ★ Two CNPRI projects received the first prize and third prize of the Power Science and Technology Progress Award from the Chinese Society for Electrical Engineering.
- ★ SNPI won the first prize in the 2025 Jiangsu AIGC Innovation Competition.
- ★ Ningde Nuclear received the National Energy High-Value Patent (Technology) Achievement Award.
- ★ One invention patent of Fangchenggang Nuclear won the 2024 Guangxi Patent Award.

Employee

- ★ One employee of CGN Operations was recognized as the "Chief Technician" by Ministry of Human Resources and Social Security
- ★ One R&D team of CNPRI was honored with the "National Women's Model Post" award.
- ★ One employee of CNPRI was recognized as the Outstanding Young Scientist of Central SOEs.
- ★ Ningde Nuclear was recognized as the 2025 Provincial High-Skilled Talent Training Site.
- ★ One studio of Ningde Nuclear was awarded the Fujian Provincial Model Worker and Craftsman Innovation Studio.
- ★ Two employees of Fangchenggang Nuclear were honored as the Technical Expert of Central SOEs and the National Model Worker.
- ★ Zhaoyuan Nuclear won the first prize in the Shandong "Luxing Cup" Labor Competition.

Society

- ★ CGN Power's 3N harmonious community development case was recognized as a 2025 outstanding public relations case.
- ★ DNMC, Yangjiang Nuclear and Taishan Nuclear received special grade and first prize, respectively, in the First Corporate Brand Development Innovation Achievements.
- ★ Fangchenggang Nuclear was included in *Twenty Years of Distinguished Contributions* as an Outstanding Achievement Brand Case.
- ★ Hongyanhe Nuclear and Ningde Nuclear were recognized as 2025 Advanced Energy Science Education Bases.
- ★ Yangjiang Nuclear received the Gold Award of the 2024 Guangdong Poverty Alleviation Red Cotton Award.
- ★ One project of Taishan Nuclear was selected as a 2024 advanced model of science and technology volunteer services.
- ★ Taishan Nuclear was recognized as a 2024 Provincial Youth Science and Technology Education Base.

[10] SQE refers to safety, quality, and environment.

ESG Governance

Sound corporate governance and risk management serve as the cornerstone of a company's sustainable development. CGN Power has established a top-down ESG governance framework and management system and keeps a close eye on changes in domestic and international ESG-related guidelines. The Company has developed a systematic layout of ESG strategies to implement ESG policies methodically. Sustained efforts have been devoted to improving our sustainability in operation thus continuously improving our sustainability performance.

ESG Governance Framework

CGN Power has established a robust and well-structured corporate governance framework designed to continuously enhance governance effectiveness while safeguarding corporate credibility and market reputation. The Company's ESG governance system is structured across four levels (governance, management, organization, and execution). We strengthen ESG management by defining clear responsibilities and coordination mechanisms at every level—enhancing both standardization and professionalism. CGN Power's ESG management system is as follows:

Governance framework	Governance level	Management level	Organization level	Execution level
	• The Board of Directors • Audit and Risk Management Committee • Other specialized committees	• Senior management • Board Secretary	• Specialized committees, departments and special groups • ESG Task Force	• Major subsidiaries
Functions	• The Board is responsible for supervising and guiding ESG management. • The Audit and Risk Management Committee shall report to the Board after reviewing ESG risks and opportunities, goals, strategies and structure, monitoring the implementation of ESG practices, deliberating on the ESG report. The Board shall make decisions after deliberation. • Other specialized committees will review ESG issues in line with their responsibilities and the Board shall make decisions after deliberation.	• Board Secretary, as the leader in charge of ESG management, enhances cooperation with other senior management of the Company to facilitate the implementation of ESG initiatives.	• Specialized committees, departments, and special groups of the Company coordinate the implementation of work such as collection, analysis and formulation of performance indicators among major subsidiaries. • ESG Task Force includes members from various departments of the Company, in order to strengthen internal cooperation, improve the work mechanism, follow and promote the realization of ESG goals, and keep improving ESG performance.	• Major subsidiaries set up specialized committees and specialized working groups comprising designated members to advance the work, such as regular collection and reporting of performance indicators.

The ESG Task Force, comprising various departments within the Company, works collaboratively to advance ESG initiatives. The ESG Task Force holds regular and irregular meetings to advance relevant initiatives and ensure effective implementation. Its main responsibilities include:

- Identifying major ESG factors and assess ESG risks and opportunities;
- Establish and regularly review the Company's ESG vision and strategy and set ESG goals and indicators;
- Enhance ESG information collection system and keep tracking the progress of ESG goals;
- Organize internal ESG promotion and training to promote integration of ESG concepts and requirements;
- Continue peer benchmarking to improve ESG performance;
- Implement ESG disclosure and strengthen external communication.

ESG Strategy and Actions

The Company champions the vision of "becoming a world-class nuclear power supplier and service provider with global competitiveness", with "developing nuclear power to benefit mankind" as its mission. Accordingly, we adopt the following ESG strategy with four focuses. In addition, we detail five aspects to fulfill our responsibility, that is, nuclear security, influence enhancement, community engagement , environmental sustainability, and responsibility communication.

ESG Risk Management

CGN Power has established and published its *Enterprise Risk Management System*. Under this framework, the Audit and Risk Management Committee of the Board is responsible for identifying and overseeing ESG-related risks and opportunities, while the risk management group conducts analysis, prioritization, and resource allocation to ensure effective risk control. ESG factors are embedded into the risk management process through dynamic identification, regular evaluation, and ongoing monitoring—combining both qualitative and quantitative approaches. Based on the likelihood and potential impact of identified risks, the Company prioritizes risks and formulates targeted control objectives and response measures.

Materiality Assessment

The Company continues to improve its methods and procedures for identifying ESG topics and determining their materiality. In 2024, we conducted a comprehensive assessment of ESG topics based on the principle of double materiality. Based on previous results of material topic survey, we referred to the latest requirements of main sustainability disclosure guidelines, including the *ESG Code* of SEHK, the *Guidance* of the Shenzhen Stock Exchange, the Ministry of Finance's *Application Guidance*, and *IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information (IFRS S1)*, and also conducted the peer benchmarking analysis. By integrating both impact materiality and financial materiality, we sought views from both internal and external stakeholders. This approach enables more scientific and comprehensive identification of material ESG topics, enhances disclosure quality, and strengthens day-to-day operation and management.

Materiality assessment process

Double materiality assessment every two years.	Review of assessment results by senior management	Review of material ESG topics and this Report by the Audit and Risk Management Committee of the Board	Approval of material ESG topics and this Report by the Board

In 2025, as there were no material changes in our business model or in the policy and natural environments in which we operate, the material ESG topics identified in 2024 remained unchanged. Accordingly, during the Reporting Period, we focused on reviewing and validating the results of the double materiality assessment conducted in 2024. By integrating internal risk management practices and financial analysis, we further confirmed the impact and financial materiality of these topics, providing a reference for optimizing information disclosures and implementing targeted management actions.

During the reporting period, based on the review and validation findings, We categorize potential material topics by safety, environment, society, governance and employee, and identify the following material topics after analyzing the survey results. Among them, the topics with impact materiality and financial materiality are as follows:

Safety	Environment	Society	Employee	Governance
Nuclear power safety	Radioactive material management	Technological innovation Network and data security Supply chain management	Occupational health and safety	Risk management, compliance management, and internal control Business ethics

Stakeholder Communication

The Company accords high priority to stakeholder communication. We have established a stable and regular communication mechanism as a means to ensure close and effective information exchange with all parties, thus laying a solid foundation internally and externally for our development. In daily communication, two-way communication with various stakeholders is maintained through multiple channels. As a sincere listener to their concerns, we also actively give feedback. We timely disclose information on production, operation, management and development strategy to enhance stakeholders' understanding and recognition of the Company. Meanwhile, we also gain insights into the expectations of stakeholders through questionnaires, interviews, and other forms, and integrate them into our strategy and operation management, striving to win their support for our development.

Stakeholders	Expectations and Concerns	Methods of Communication and Respond
Government and Regulatory Authorities	Ensuring nuclear safety Optimizing energy structure Legal compliance and tax payment Value preservation and appreciation of state-owned assets Energy conservation and emission reduction	Compliance with laws and regulations Execution of national energy policies Improvement of corporate governance Acceptance of regulatory audit Regular reporting
Shareholders and Investors	Constant and steady return Transparent information disclosure Protection of shareholder's rights Enhanced communication	Timely information disclosure Regular reporting of operating information Improvement in daily management A variety of communication activities held from time to time
Customers	Stable supply Quality management and service guarantee	Effective communication Active cooperation for power grid dispatching
Suppliers and Partners	Commitment fulfillment Open, fair and just procurement Experience sharing	Strategic cooperation Public disclosure of procurement information Regular communication activities
Employees	Competitive remuneration package Employee health and safety Fair promotion and development Employee care	A healthy working environment Fair promotion channels More employee training programs Caring for distressed employees
Media	Transparent information disclosure Enhanced communication	Regular press conferences Interview by reporters Timely disclosure of public information
Community Residents	Environmental protection in the community Nuclear power-related work safety Promoting community development	Community communication meetings Enhancement of environmental monitoring and protection Participation in community development
The Public	Charity Public relations Nuclear science popularization	Participation in rural vitalization Promotion of employment Education and promotion of nuclear power

CSR Feature

Nuclear Power for Local Community: Powering Cleaner Lives for a Brighter Future

CGN Power is committed to building a responsible corporate communication framework. Guided by the vision of harmonious community development, the Company maintains friendly relationships with local communities in project areas. Through active community collaboration and support for rural vitalization, we strive to give back to society while pursuing high-quality development, working together with stakeholders to create a more sustainable and brighter future.

The Foundation of Trust: Building a New Paradigm for Responsible Communication

Public support is fundamental to the sustainable development of the nuclear power industry. Throughout the full lifecycle of nuclear power projects, from construction to operation, CGN Power adheres to the philosophy of "building a project, driving the local economy, and benefiting the people" and places strong emphasis on building harmonious community relationships to enhance information disclosure and public engagement and to safeguard the public's right to information, participation, and oversight.

Advancing the "3N" community development concept

CGN Power continues to advance the "3N" community development concept of "safe, friendly and warm neighbor". Through close collaboration and mutual support, we aspire to become a trusted and caring presence in people's daily lives. Our community engagement philosophy has evolved from focus on safety and care to a new stage of emotional resonance and shared development. We aim to progress from the "safe, friendly and warm neighbor" toward the "neighbourly bond, benefit and prosperity"phase—elevating the relationship from a community of collaboration to a community with a shared value and emotional bonds.

Neighbourly bond

Foster deep cultural recognition and emotional connection by leveraging shared cultural initiatives, such as intangible cultural heritage preservation, as spiritual bonds, building an emotionally connected community.

Neighbourly benefit

Focus on transforming corporate resources into sustainable community service capabilities to address residents' most urgent and practical needs, thereby ensuring tangible and accessible development outcomes and strengthening a collaborative community service ecosystem.

Neighbourly prosperity

Address the core of common prosperity, and leverage industrial support, employment generation, and technological empowerment through institutionalized mechanisms to stimulate endogenous community development and ultimately build a community of shared interests.

"Neighbourly Bond" Through Friendly Communication: Building a Warm Community Ecosystem

With culture as the bond, the "neighbourly bond" concept deeply integrates the nuclear safety culture and green development philosophy with local traditions. Through co-creation and shared cultural initiatives with local communities, CGN Power integrates nuclear power projects into regional cultural contexts, supporting the preservation and innovation of local heritage and fostering a community ecosystem characterized by warmth and emotional connection.

Huizhou Nuclear, together with the Huidong County People's Government and surrounding villages and towns, explores the nationally recognized intangible cultural heritage of Huidong fishing songs and has established its ICH inheritance organization named "Nuclear Harmony Fishing Song Troupe".

Hongyanhe Nuclear, together with the Wafangdian Municipal Bureau of Culture and Tourism and the Hongyanhe Town People's Government, organizes the "Hongyanhe in Paper-Cutting" competition, promoting the inheritance and development of traditional paper-cutting art. The vivid artworks in the competition reflect local residents' genuine affection for and recognition of Hongyanhe Nuclear.

Zhaoyuan Nuclear, in partnership with the Yantai Emerging Industries Development Promotion Center, hosts the "CGN Power Neighbourhood Festival," vividly embodying the principle that "a neighbor nearby is better than a relative far away".

DNMC introduces a dedicated "Nuclear Power Leg" during the Shenzhen Dapeng New Year Marathon, welcoming more than 4,000 runners into the nuclear power site. Participants experience firsthand the site's well-preserved ecological environment and natural landscape.

Taishan Nuclear, leveraging the Taishan Youth Science and Technology Innovation Competition, organizes the "CGN Power Neighbourhood Festival", attracting enthusiastic participation from teachers and students from over 20 primary and secondary schools across the city. A total of 1,050 science and technology works are collected, demonstrating strong youth interest in nuclear technology and effectively promoting cultural exchange and emotional integration between Taishan Nuclear and the local community.

"Neighbourly Benefit" By Emotional Connection: Creating Tangible and Accessible Development Outcomes

The "neighbourly benefit" concept emphasizes delivering care by transforming technological strengths into sustainable community service capabilities to ensure that project development generates tangible and accessible benefits, thereby building a collaborative service community. To ensure that surrounding communities genuinely benefit from the Company's presence, CGN Power integrates the construction and operation of nuclear power projects into the broader framework of regional social and economic development.

Yangjiang Nuclear has long implemented the teaching and learning program to support rural education development in surrounding areas, giving back to society while promoting shared prosperity between Yangjiang Nuclear and the local community. In 2014, the "Yangjiang Nuclear Power Eagle Scholarship" in Yunbo Village was established to recognize outstanding students achieving excellence in the annual national college entrance and secondary school examinations. To date, a total of 366 students have received this scholarship.

Lufeng Nuclear, guided by the corporate ethos of "caring for the company and the community", has regularly organized the "Protecting Our Blue Home" beach-cleaning volunteer initiative along nearby coastlines. Through volunteer engagement, employees help preserve coastal ecosystems and create a clean and scenic shoreline for local residents.

Fangchenggang Nuclear organizes the volunteers to provide services such as blood pressure monitoring, eyesight screening, health consultations, and complimentary haircuts. These efforts reflect its commitment to honoring the traditional values of respect and care for the elderly.

Huizhou Nuclear responds swiftly to severe water shortages caused by prolonged drought and declining reservoir levels in Huangbu Town of Huidong County, effectively alleviating local water supply pressure and providing timely water support to residents and drought-affected farmland.

"Neighbourly Prosperity" Built on Economic Symbiosis: Advancing Rural Vitality for Shared Growth

Centered on development outcomes, the "neighbourly prosperity" concept goes beyond traditional philanthropic assistance. CGN Power has helped distinctive agricultural products reach beyond rural areas by founding village collective enterprises and launching livestreaming sales of agricultural products. Through these concrete actions, we aim to promote common prosperity and foster a robust community of shared interests.

Promoting local employment

CGN Power actively explores and implements targeted employment support and localized hiring. Through vocational training, joint talent programs, and targeted recruitment, we enhance employability and expand job opportunities for residents in project areas, contributing to sustainable development and mutual growth between the Company and local communities.

In 2025, Fangchenggang Nuclear provided a total of 28 job placements for the impoverished population of Lanchong Village through recruitment information released via nuclear power partners and targeted job recommendations. Additionally, it assisted in the sales of agricultural and sideline products, contributing to the steady growth of Lanchong Village's collective economy and the increase of villagers' income. Meanwhile, through the development of the Dachongdao Industrial Park, it also secured job placements for three individuals from the impoverished population.

Western Guangdong Nuclear Power Operation and Maintenance Industry College coordinates campus recruitment with seven enterprises from the China Nuclear Industry Alliance. At the inaugural recruitment event, 59 trainees were employed, effectively aligning talent cultivation with industry workforce demand.

Supporting agriculture through livestreaming initiatives

We have leveraged local distinctive agricultural resources to expand the "nuclear power + agriculture support" model across our nuclear power sites. Through regular agricultural livestreaming initiatives and online promotion and sales platforms, we strive to support brand development and market expansion for products in surrounding villages and towns, thereby exploring a sustainable pathway for rural vitalization through new media and promoting coordinated regional development.

Ningde Nuclear conducts a special livestream to support farmers in Yujing Village by promoting Fuding White Tea.

Yangjiang Nuclear conducts a livestream to support local lychee growers expand sales channels; in 2025, over 12,500 kg of lychees were sold, generating over RMB 300,000 in sales.

Hongyanhe Nuclear conducts a livestream to support cherry growers.

Advancing enterprise–community integration

CGN Power is committed to building a development ecosystem where enterprises and local communities thrive together. By aligning nuclear power project development and operations with regional planning, we continuously promote industrial collaboration, employment growth, and community co-development, fostering deep integration between corporate growth and regional economic and social progress.

Case **Yangjiang Nuclear establishes two township-strengthening and village-enrichment (Qiangzhen Fucu) companies and four village collective enterprises**

Based on the development needs of Dongping Town, Yangdong County, Yangjiang City, Yangjiang Nuclear systematically planned and implemented the "2+4+2+X" industrial development framework. The first "2" refers to the establishment of two companies dedicated to promoting local prosperity. The "4" represents four village collective enterprises established by Yunbo Village across agriculture, cultural tourism, environmental protection, and property management. The second "2" includes promoting Wabei Village and supporting the establishment of two companies originally set up by the Pengcheng Fisheries Committee. "X" denotes the guidance provided to village collectives and fisheries committees across the town to invest in high-quality aquaculture enterprises. In addition, Yangjiang Nuclear signed an industrial project contract to support the Hundreds-Thousands Ten-Thousand Initiative for High-Quality Rural Development with a total contract value exceeding RMB 15 million.

Building Robust Governance for a Sustainable Foundation

Opportunities and Challenges

Amid increasingly stringent corporate governance and ESG regulatory requirements for listed companies, effective governance and compliance management are fundamental to stable operations. On one hand, tighter disclosure and compliance standards drive us to enhance governance effectiveness and transparency, fostering a more resilient and modern governance framework. On the other hand, rising geopolitical and economic uncertainties, rapid technological change, and growing stakeholder expectations demand stronger forward-looking governance, business ethics, and risk management capabilities.

Strategies and Decisions

We place governance effectiveness at the core of our strategy, continuously strengthening our governance foundation by optimizing Board operations, embedding ESG considerations into strategic decision-making, and enhancing the systematic design and execution of compliance management and business ethics frameworks. At the same time, we sharpen the foresight and adaptability of our risk management mechanisms to improve effectiveness, reinforce ethical conduct and compliance practices, and deepen transparent communication and collaboration with stakeholders. Through these efforts, we translate external regulatory and stakeholder expectations into internal governance capabilities—laying a solid foundation for high-quality development and sustainable operations.

Goals and Progress

Our Goals:

- To ensure gender diversity among Board members
- To establish a resilient and credible business ethics governance framework
- To advance the development of internal control and compliance systems, integrate internal control, risk management, and compliance functions, and enhance risk prevention capabilities

Progress in 2025:

- One female non-executive director and one female independent director continued to serve on the Board, achieving gender diversity within the Nomination Committee of the Board
- 100% integrity and anti-corruption training coverage
- Zero major operational risk incidents and zero major compliance risk incidents

Corporate Governance

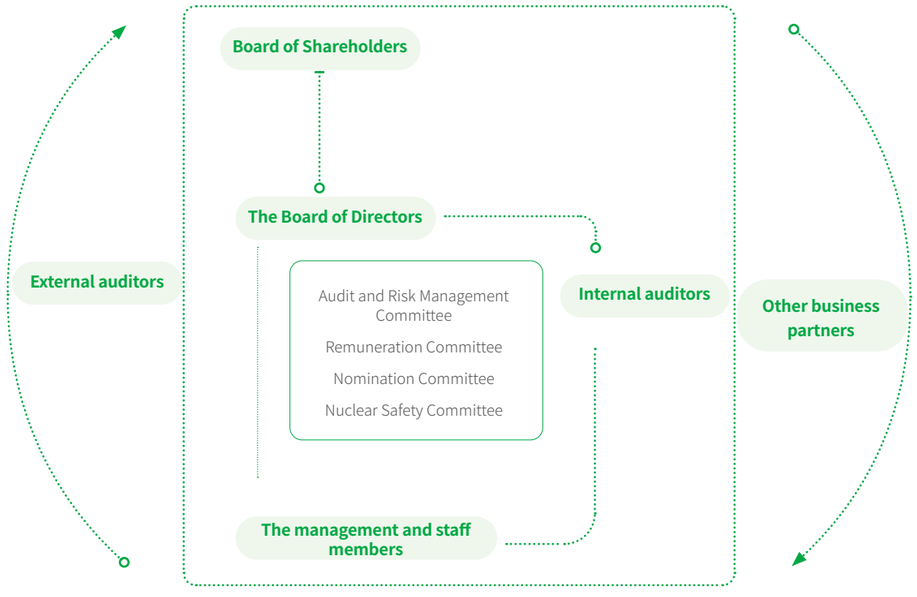
CGN Power strictly adheres to laws and regulations in building a sound governance mechanism, embedding ESG principles into all aspects of corporate operation and management. We continuously optimize governance structures, maintain a professional and diverse Board, and strengthen the enterprise risk management (ERM) system. By reinforcing business ethics, enhancing compliance management, and fostering a robust internal and external governance environment, we steadily improve governance standards and operational effectiveness.

Governance framework

CGN Power strictly complies with the Company Law, Securities Law, Corporate Governance Code set out in Appendix C1 of the Listing Rules of SEHK, and the Governance Rules for Listed Companies issued by China Securities Regulatory Commission (CSRC). Accordingly,we have developed a series of policies, including the Articles of Association, to continuously optimize our management system for better internal governance. This will also help effectively safeguard the rights and interests of shareholders and other stakeholders. Since the listing of A-share in 2019, we have been continuously improving the institutional system for corporate governance in accordance with the relevant regulatory requirements of the Shenzhen Stock Exchange(SZSE) and the Stock Exchange of Hong Kong Limited (SEHK), meeting regulatory requirements in both regions.

Our internal governance framework mainly consists of the Board of Shareholders, the Board of Directors (the Board) and specialized committees, internal audit function as well as the management and staff members. During the Reporting Period, the Board and the General Meeting of Shareholders approved the relevant proposals on August 27, 2025 and October 16, 2025, respectively, agreeing to amend the Articles of Association and abolish the Supervisory Committee. The duties and powers of the Supervisory Committee as prescribed under the Company Law are now exercised by the Audit and Risk Management Committee of the Board. After the reform of the Supervisory Committee, the Company's governance framework has become more standardized and efficient.

We also place great emphasis on maintaining long-term and constructive communication and cooperation with a broad range of stakeholders, including customers, partners, the media, regulatory authorities, communities and the general public, to support the effective and stable operation of our corporate governance.



Governance mechanism

CGN Power values the alignment of documents for standardized governance with actual operating conditions and its practicality. It serves as the foundation to regulate the Company's corporate governance practices. The Company complies with the requirements of relevant laws, regulations and regulatory rules, tracks their updates, and updates important documents based on the actual conditions, thus continuously improving its corporate governance.

Important governance documents of CGN Power[11]

Articles of Association of CGN Power Co., Ltd.

Procedural Rules of the Board of Shareholders of CGN Power Co., Ltd.

Procedural Rules of the Board of Directors of CGN Power Co., Ltd.

Terms of Reference for the Audit and Risk Management Committee under the Board of Directors of CGN Power Co., Ltd.

Terms of Reference for the Remuneration Committee under the Board of Directors of CGN Power Co., Ltd.

Terms of Reference for the Nomination Committee under the Board of Directors of CGN Power Co., Ltd.

Terms of Reference for the Nuclear Safety Committee under the Board of Directors of CGN Power Co., Ltd.

Board Diversity Policy of CGN Power Co., Ltd.

Terms of Reference for Independent Directors of CGN Power Co., Ltd.

Director Nomination Policy of CGN Power Co., Ltd.

Corporate Governance Code of CGN Power Co., Ltd.

Shareholder Communication Policy of CGN Power Co., Ltd.

Code for Securities Transactions by Directors and Specific Persons of CGN Power Co., Ltd.

During the Reporting Period, the Company has revised several documents in accordance with relevant laws, regulations and domestic regulatory requirements based on the actual conditions, including *Procedural Rules of the Board of Shareholders*, *Procedural Rules of the Board of Directors*, *Terms of Reference for the Audit and Risk Management Committee under the Board of Directors*, *Terms of Reference for the Nomination Committee under the Board of Directors*, *Terms of Reference for the Remuneration Committee under the Board of Directors*, *Terms of Reference for the Nuclear Safety Committee under the Board of Directors*, and *Rules on the Work of the Secretary to the Board of Directors*. These updates ensure the effectiveness of policies.

The governance practices met the regulatory requirements set by Chinese laws and regulations, China Securities Regulatory Commission (CSRC) and SEHK. We also made adjustments in line with the latest laws and regulations. None of the Company, its directors, the then supervisors or senior management have received any administrative penalties, public criticisms, or reprimands.

[11] For more governance documents, please visit the website of CGN Power.

Board of Directors

The Board is responsible for formulating and reviewing the Company's policies and regulations in corporate governance and compliance practices, defining the company's strategic direction, and setting long-term performance and management targets. It also takes charge in assessing business performance, monitoring the management's performance and reviewing risks. In doing so, we can ensure a prudent and effective regulatory structure. Based on the Company's Corporate Governance Code set out in Appendix C1 of the *Listing Rules of SEHK* and the *Governance Rules for Listed Companies* issued by CSRC. The Board has formulated the *Corporate Governance Code*, which explains how we maintain good practices to ensure that the corporate governance meet requirements and expectations through the organizational structure,and a range of relevant polices, procedures and measures.

In accordance with the Articles of Association, the Board has established the Audit and Risk Management Committee, the Remuneration Committee and the Nomination Committee. According to the characteristics of the industry, we also set up the Nuclear Safety Committee to ensure safe and stable operation of the Company. During the reporting period, the Company revised the Articles of Association and updated the director nomination procedures as follows:

Directors are elected by the shareholders' meeting for a term of three years and may serve consecutive terms upon re-election. Upon expiration, the term is renewable through re-election. The list of candidates for directors shall be submitted to the General Meeting of Shareholders for resolution in the form of proposal.

The term of an independent director is the same with that of other directors in the Company and the term is renewable through re-election but the term of office shall not exceed six consecutive years.

Candidates for directors who are not employee representatives are nominated by the Board or by shareholders individually or collectively holding more than 1% of the Company's issued voting shares, and are elected by the General Meeting of Shareholders.

By the end of the Reporting Period, the Board was composed of

8 directors, with 3 independent directors, 4 non-executive directors, 1 executive director.

During the Reporting Period, the Board held

7 meetings, on which 66 resolutions were deliberated and 11 resolutions reviewed. The specialized committees held 17 meetings, on which 45 resolutions were deliberated and 15 resolutions reviewed.

Board Independence

The Company takes following measures in terms of the composition, scope of responsibilities, and deliberation mechanism of the Board to secure the independence of the Board. These measures clearly separate supervisory and executive functions, thus improving our corporate governance.

- The proportion of executive directors, non-executive directors and independent directors remains balanced. Non-executive directors (including independent directors constitute the majority, and independent directors are no less than 1/3.
- Chairpersons of the Audit and Risk Management Committee, Remuneration Committee, and Nomination Committee are independent directors, giving full play to the role of independent directors in decision-making, oversight, checks and balances, and professional counseling. Chairperson of the Nuclear Safety Committee is a non-executive director.
- The Company has established mechanisms to ensure that the Board can obtain independent views and opinions, and conducts annual reviews on the implementation and effectiveness of such mechanisms:
  - Board meetings for each reporting year are convened in strict accordance with the Procedural Rules of the Board of Directors and the terms of reference for the Board's specialized committees. Notices of Board meetings are issued at least 14 or five days in advance, while notices of specialized committee meetings are issued at least five working days in advance. These arrangements ensure that directors are provided with sufficient time and appropriate channels to voice their independent views and opinions.
  - Following site visits and investigations conducted by directors, we support directors in putting forward independent, objective and professional views based on factual findings.
  - We engage professional advisors to provide consulting service to directors who need it. This arrangement is included in the budget plan to ensure adequate funding.

With respect to independent non-executive directors, the Company has established systematic mechanisms to support the effective performance of their duties and safeguard their independence:

The Board conducts a prudent annual assessment and confirmation of the independence of independent directors.

The Chairman holds dedicated meetings with independent directors for each reporting year to directly and fully solicit their independent opinions and views without the presence of executive directors.

Independent directors are not financially dependent on the Company.

Composition of the Board members in all committees

Audit and Risk Management Committee	Remuneration Committee	
Independent directors 3	Non-executive director 1	Independent directors 2

Nomination Committee		Nuclear Safety Committee		
Non-executive director 1	Independent directors 2	Non-executive directors 3	Executive Director 1	Independent director 1

Board diversity

CGN Power fully recognizes the benefits of board diversity for its development and is committed to building a board with diverse backgrounds. The Company has formulated and published the *Board Diversity Policy* (***Diversity Policy***) and the Terms of Reference for the Nomination Committee, and authorizes the Nomination Committee to regularly review the implementation and effectiveness of the policy. The Diversity Policy stipulates that various factors should be taken into account when selecting candidates for the Board, which include but not limited to gender, age, cultural and educational background, ethnicity, professional experience, skills, knowledge and tenure. Accordingly, the Company has developed assessment indicators for reviewing the structure and composition of the Board, including age, gender and professional expertise.

The composition of the current board of directors reflects a diverse and differentiated arrangement across multiple dimensions, including professional expertise, industry experience, age, seniority, and gender. Board members of the Company have backgrounds in power industry management, financial accounting management, laws, safety management and supervision and management of state-owned enterprises with over 20 years of experience in their respective industries. There are two female directors on the board. The composition of the Board boasts gender diversity, reasonable age structure, diversified educational background, rich professional experience, and reasonable tenure. This means the Diversity Policy achieves the desired effect.

Board members and their professional backgrounds

Name	Age	Gender	Educational background	Title	Area of expertise
Yang Changli	61	Male	Master's degree	Chairman of the Board, Non-executive Director, Chairman of Nuclear Safety Committee of Board	30 years of experience in nuclear power, nuclear fuel, science and technology R&D, safety and quality management, etc.
Pang Songtao	54	Male	Master's degree	Executive Director and President	30 years of experience in nuclear power
Li Li	56	Female	Master's degree	Non-executive Director	30 years of experience in macroeconomics, administrative management, law and corporate supervision
Feng Jian	58	Male	Master's degree	Non-executive Director	Rich experience in enterprise management, financial management, investment management, etc.
Liu Huanbing	52	Male	Master's degree	Non-executive Director	25 years of experience in finance and investment and financing management
Wong Ming Fung	54	Male	Doctor's degree	Independent Directors, Chairman of Remuneration Committee of the Board	Rich legal and management experience
Li Fuyou	70	Male	Bachelor's degree	Independent Director, Chairman of Nomination Committee of the Board	Rich experience in energy, coal, and safety management
Xu Hua	65	Female	Master's degree	Independent Director, Chairman of Audit and Risk Management Committee of the Board	Rich experience in financial management, Enterprise management, and supervision

Training for Board members

To fully leverage the collective skills, experience, and diversity of the Board, the Company has developed a Board skills matrix to analyze the current skill set of the Board. Through annual training and research programs, we support directors in staying informed on emerging regulatory requirements and continuously developing relevant expertise. These initiatives enable directors to fulfill their duties more effectively and with greater insight—strengthening governance and continuously creating value for shareholders.

Newly appointed directors receive comprehensive induction training and relevant materials to ensure a thorough understanding of the Company's operations, business, and applicable laws, regulations, and rules. To further support directors in effectively discharging their duties, we actively arrange training programs on listed company operations and corporate governance, and regularly circulate regulatory updates and policy materials from relevant authorities. During the Reporting Period, we advanced Board training initiatives to enhance directors' professional capabilities, strengthen decision-making capacity, and elevate overall governance standards.

March 2025

Independent directors Mr. Li Fuyou and Ms. Xu Hua participated in an online training program on capacity building for independent directors (Phase IV) organized by the China Association for Public Companies.

April 2025

All directors attended a lecture delivered by power market experts, focusing on pathways for power market reform and the development of spot markets.

September 2025

All Board members participated in the written training organized by the Shenzhen Securities Regulatory Commission, in which they learned the *Report on the Supervision over Shenzhen Listed Companies*.

October 2025

All directors attended a lecture delivered by the Company's independent director, Mr. Wong Ming Fung, focusing on directors' responsibilities in anti-corruption and anti-commercial bribery.

November 2025

All Board members participated in the written training session provided by the Company's Hong Kong lawyers, focusing on the roles, functions, and responsibilities of the board of directors of an H-share listed company.

December 2025

All directors participated in written and video training by SEHK, covering corporate ESG and governance matters, connected transactions, continuing responsibilities, etc.

December 2025

All directors attended the written training organized by the Shenzhen Listed Companies Association, focusing on key capital market policy priorities, the latest regulatory developments and warning cases involving major violations.

December 2025

Independent directors Mr. Wong Ming Fung and Ms. Xu Hua participated in the video training on Capacity Building for Independent Directors (Phase VI) organized by the China Association for Public Companies.

Investor relationship

Committed to open and transparent business as well as maximizing the value of shareholders, CGN Power continues to enhance inter-action with investors to track their opinions and suggestions, thus solidifying the recognition from the market on the Company's value.

After becoming a public company, the Company has formulated regulations such as the Management Rules of Investor Relations of CGN Power Co.,Ltd. and the Information Disclosure Management System of CGN Power Co.,Ltd. The regulations will help manage investor relationship in a standardized and diversified way, promote the unity between the Company's development and shareholder value, and achieve smooth two-way communication. During the reporting period, the company remained committed to ensuring high-quality information disclosure and investor relations management, thereby appropriately guiding market expectations, conveying corporate value, deepening the capital market's understanding of the company's strategy and operations, and bolstering market confidence.

According to the rights of decision-making prescribed by the Articles of Association, the General Meeting of Shareholders is entitled to legally exercise its decision-making rights on major matters such as operation policies and profit distribution of the Company. All general meetings of shareholders held by the Company have met the requirements of relevant laws and regulations and the Articles of Association. In terms of profit distribution, the Company comprehensively considers current-year business performance, future development plans, elevant commitments and other factors, and approves them at the General Meeting of Shareholders in the financial year. This process ensures stable dividend returns for the Company's shareholders. Since the Company went public in December 2014, the cumulative dividend payout has exceeded 36.7 billion yuan.

In 2025, we held the 2024 Annual General Meeting of Shareholders/the 2025 first General Meeting of H-share Shareholders/the 2025 first General Meeting of A-share Shareholders, the First Extraordinary General Meeting of Shareholders for 2025/ the 2025 second General Meeting of H-share Shareholders/ the 2025 second General Meeting of A-share Shareholders.

4
Regular telephone conferences held

196
Participants

1,275
Investors received through on-site communication and telephone communication

38
Annual results roadshow and mid-term

64
Participants

1
Reverse road show held

32
Participants

1
Online roadshows/group reception held

82
Questions answered online

Business Ethics

Business ethics is fundamental to corporate sustainability. Upholding professionalism and integrity, CGN Power strictly complies with all applicable laws, regulations, and rigorous standards of business conduct. Through stronger organizational safeguards, refined policies and procedures, robust oversight mechanisms, and regular communication and training, the Company has established a systematic business ethics management framework—laying a solid foundation for sustainable development.

Governance

In strict compliance with Chinese laws and regulations, including the *Law for Countering Unfair Competition*, *Anti-money Laundering Law*, and regulatory documents including *Several Suggestions Concerning the Applicable Law in Handling Criminal Commercial Bribery Cases Issued by the Supreme People's Court and the Supreme People's Procuratorate*, etc., CGN Power requires all employees to abide by business ethics. The Company continues to improve anti-corruption system and business ethics management mechanism to build a clean and honest workplace that has zero tolerance for corruption.

Organizational management

We have set up an anti-corruption coordination group with clear operating rules and defined responsibilities of all parties. The group is to realize the joint supervision by discipline inspection, audit, finance, and human resources departments, to share supervision information timely, and to strengthen coordination on major and difficult corruption issues.

Institutional building

We have developed and published regulations governing violations of company discipline—covering all employees of our subsidiaries—including the *Discipline Handbook of Listed Companies and the Implementation Rules of the Eight-Point Decision Made by the CPC Central Committee on Improving Party and Government Conduct*. These documents clearly define the rules and procedures for addressing misconduct. In addition, we established a Gift Reporting Regulation, requiring employees to declare any unrejectable gifts or cash within 15 days to mitigate business ethics risks.

For supply chain partners, registration on the Company's business platform and agreement to a platform contract—which includes anti-corruption and business ethics clauses—are mandatory prior to cooperation. The contract specifies compliance requirements in business dealings and outlines relevant liabilities for breach.

Strategy

CGN Power has elevated business ethics to a strategic priority, embedding it deeply into its sustainability framework. The Company is committed to building an integrity governance system that is fully embraced by employees, features precise and effective risk control, and operates with transparency and trust. By virtue of the internalization of integrity principles across the board, risk prevention in key positions and core business processes, regular integrity and compliance training, and a business ethics risk early-warning and screening mechanism covering employees, suppliers, and business partners, the Company systematically identifies and mitigates ethics-related risks. These efforts reinforce a strong culture of integrity and safeguard the Company's sustainable operations and long-term compliance competitiveness.

Impact, risk, and opportunity management

To prevent and mitigate business ethics risks, CGN Power has established a robust internal control and supervision framework that provides institutional support for ethics oversight. The internal audit department conducts regular and special audits across functional departments, business units, and subsidiaries—covering business operations, procedures, expenditure management, and internal control implementation. These measures ensure lawful and compliant operations, reinforcing the Company's commitment to business ethics and sustainable development.

Business ethics risk prevention and control

The Company continues to strengthen dedicated oversight resources for business ethics risk prevention and has implemented targeted measures for the Board, employees, suppliers and business partners. These measures aim to reinforce integrity and compliance education for employees, foster an open, fair and impartial transaction environment, and safeguard the legitimate rights of business partners. For information on business ethics training provided to the Board, please refer to the section on corporate governance and Board training in this report. In 2025, the Company uncovered and referred one corruption case to the relevant authorities.

For all employees

In January 2025, we convened a conference on integrity development and anti-corruption, reviewing the achievements of anti-corruption efforts in 2024 and outlining key priorities for 2025. The conference was held in a hybrid format, combining on-site and video participation. Attendees included the Chairman, the President, management at all levels, directors, supervisors (where applicable), senior management of subsidiaries, heads of third-tier subsidiaries, and other personnel in key positions.

In June 2025, we held a cautionary education conference, featuring anti-corruption films to raise awareness and outlining plans for the centralized rectification of misconduct. The Chairman attended and emphasized the need to continuously strengthen anti-corruption governance, resolutely address corruption involving improper benefits, and advance long-term mechanisms in key areas. Attendees included senior operating management and all headquarters staff.

For suppliers

Upholding integrity and fairness in the cooperation environment. We promote transparent procurement through an open mechanism covering all levels and the entire supply chain. A closed-loop supervision system—encompassing collection, analysis, screening, inquiry, and supervision—ensures value-for-quality procurement, discourages rat-race irrational competition, and enables full-process online operation, real-time supervision, controllable management, transparent execution, and full traceability. These measures effectively embed integrity and transparency into procurement activities, fostering an open, fair, and impartial trading environment.

Managing cooperation risks to build industry credibility. We conduct multi-dimensional supplier assessments covering integrity, safety, quality, delivery performance, and fulfillment capability. By integrating data from sources such as the SASAC Credit Center and the China Electricity Council, we have established a risk early-warning system with horizontal correlation and vertical penetration. Through measures including warnings, public notifications, rectification requirements, bidding restrictions, and joint disciplinary actions, we foster a trustworthy market environment. We maintain a zero-tolerance stance toward misconduct such as fraud, bid rigging, collusion, irregular operations, and commercial bribery.

Enhancing payment mechanisms to protect partners' rights. We have established a dedicated mechanism to regularly review outstanding payments to enterprises. For any identified overdue payments, tailored settlement plans are developed on an item-by-item basis—with clear accountability, resolution measures, and timelines. Dedicated personnel conduct daily tracking and monitoring to ensure dynamic resolution and full clearance, while underlying causes and responsibilities are retrospectively examined. Resolved cases are also subject to periodic spot checks to verify substantive settlement. In addition, complaint channels for overdue payments and wage arrears have been made available and are incorporated into standard contract templates.

Whistleblowing mechanism and whistleblower protection

The Company has formulated the regulations on oversight, discipline, and accountability, improved working procedures for receiving and handling whistle-blowing, and set up safe whistle-blowing channels protected by the law. In doing so, our employees and related third parties can report any violations to the disciplinary investigation department through call, in-person visits, or written correspondence with confidentiality. After receiving whistleblowing reports, the disciplinary investigation department shall proceed with proper recording and initiate an internal investigation process while keeping relevant information confidential. If the reported object involves the management personnel of the Company, the disciplinary investigation department shall handle the matter in accordance with relevant procedures. If the reported person is an employee of our subsidiary, he or she will be referred to the disciplinary investigation department of the subsidiary according to procedures.

According to the Company's confidentiality policy, information of whistle-blowing and reporting parties is confidential. Disclosure on privacy of the informant is prohibited. The Company further clarifies response requirements and protection provisions for real-name informants in relevant systems and procedures. We will prioritize the handling of real-name informants, and strictly protect real-name informants. As for false accusation or retaliation, we will firmly and seriously hold such perpetrators accountable.

In 2025, the Company issued the Statement on the Management of Whistleblower Reports on its official website, clarifying that employees, contractors, suppliers, customers, and other stakeholders can report various violations, illegal activities, or other improper conduct through legal channels. The Company also committed to protecting whistleblowers and eliminating any form of retaliation. The full text of the policy statement is available on the Company's website under the "Investor Relations - ESG - ESG Related Policy Statements" section.

Whistleblowing mailbox:jtjubao@cgnpc.com.cn

Whistleblowing telephone and fax: (86) 755 83671077

Metrics and targets

CGN Power regards the enhancement of business ethics standards and the improvement of risk control effectiveness as core strategic goals, underpinning the Company's sustainable development and long-term value creation. By building a resilient and credible business ethics governance system, we aim to establish a solid ethical and compliance foundation that supports our long-term growth.

100%
Coverage of CGN Power integrity education and training

100%
Suppliers sign online business platform agreement and know the requirements of integrity and compliance

100%
Supplier cooperation contracts included in supply chain integrity and anti-corruption clause

100%
Suppliers sign punishing rules and letters of responsibility

Risk, Compliance and Internal Control

Robust risk management, compliance, and internal control systems are fundamental to a company's sustainable operations. Committed to embedding these practices across all business processes, we continuously enhance our risk control framework and strengthen internal control standards to reinforce compliant operations. We also place strong emphasis on fostering risk awareness and internal control accountability, cultivating a risk-aware culture that provides systematic support for our long-term and stable development.

Governance

CGN Power has established an ERM system guided by international frameworks—including IAEA-TECDOC-1209, the risk management framework of the Committee of Sponsoring Organizations of the Treadway Commission (**"COSO"**), and ISO 31000: 2009 *Risk Management-Principles and Guidance*—as well as relevant regulatory requirements. Operating under the principle of "Unified Leadership and Hierarchical Management", the system integrates risk management strategies, organizational functions, and an information management system.

Guided by the principle of "comprehensive coverage, enhanced responsibility, collaboration, independent and objective judgment", and in accordance with laws and regulations such as the Compliance Management of Central State-owned Enterprises, the Company has built a layered and classified compliance management system. Anchored by foundational policies and supported by specialized policies, this system provides a solid institutional foundation for our high-quality development and lawful operations. In line with the principle of "unified methodologies, tiered implementation and differentiated accountability", and with reference to the *Basic Standards for Enterprise Internal Control and its supporting guidelines*—while considering the Company's business characteristics—CGN Power has defined standards for internal control development and management and established a coordinated and integrated internal control system.

An organizational structure with clear accountability and defined roles

We have established a normalized governance mechanism under which the Audit and Risk Management Committee conducts reviews and the Board grants final approval, enabling the systematic coordination of risk management, compliance management, and internal control.

We have established a governance framework with Board oversight, management execution, and top leader accountability. The "three lines of defense"—business execution, functional management, and supervision—are clearly defined and closely integrated. By advancing internal control and compliance systems in tandem, and integrating risk, compliance, and internal control functions, we have built an efficient "three-in-one" supervision framework that strengthens coordination and supervisory execution.

A unified and efficient management system

We have formulated management policies and supporting procedures to enable full life-cycle management of internal control and compliance system documentation, covering planning, drafting, review and approval, issuance, implementation supervision, periodic evaluation, and ongoing optimization. This ensures the integrity and effectiveness of our systems.

We have strengthened the mechanism for translating external regulatory requirements into internal rules. Compliance obligations are systematically reviewed across all levels and functions through a regular review mechanism. A compliance obligation management information system has been established and linked to the institutional management system. Through digital tools, we conduct online compliance reviews of internal policies to ensure regulatory requirements are fully embedded—preventing compliance risks.

Active exploration of specialized internal control mechanisms

We continue to strengthen internal control development, maintaining a robust framework characterized by strong leadership, clear accountability, and efficient operations. Within this framework, the Board is responsible for internal control implementation and evaluation; the management organizes and carries out these activities; internal control functions lead and supervise system development; business departments ensure internal control within their respective areas; and the audit function conducts supervisory evaluations. This structure ensures comprehensive coverage of internal control development and oversight.

In 2025, we carried out a series of targeted initiatives, including coordinating internal control and compliance systems, strengthening penetrating supervision in key business areas, establishing anti-fraud mechanisms in nuclear power engineering and production operations, and reinforcing the rigidity and enforceability of internal control systems. Through these efforts, we explored more robust internal control measures to enhance our capability and standards for lawful operations.

Strategy

A robust risk management, compliance, and internal control system is essential to a company's sustainable operations. The Company is committed to embedding these mechanisms across all business processes. In line with its development strategy, the Company continues to enhance its risk management framework, strengthen its risk culture, and raise risk awareness throughout the organization. At the same time, we optimize our compliance governance structure, improve the compliance policy framework, and foster a deeply embedded culture of compliance. We further enhance our internal control system by standardizing business processes and clearly defining responsibilities—improving overall internal control effectiveness.

Guided by risk management, the Company emphasizes ex-ante and process-based controls. Within a sound internal control environment, risk management serves as a key driver of internal control. Risks associated with business activities are systematically identified, distilled, and documented in risk control documentation, enabling prevention and standardized management.

Impact, risk, and opportunity management

Upholding the principle of "safety first, quality foremost", the Company actively seizes development opportunities while continuously strengthening its risk management, compliance, and internal control processes. These efforts ensure lawful operations, consolidate the foundation for development, and safeguard the Company's high-quality growth.

Systematic identification and assessment of major risks	We closely monitor changes in national policies and global economic and financial conditions. Considering material factors—including environmental and social impacts and long-term development prospects—alongside our operational realities, we systematically identify potential risk sources. Risks are then analyzed and prioritized based on their likelihood and potential impact, with major risks clearly defined and corresponding control objectives and countermeasures established.
Tighter day-to-day risk management	We convene regular meetings of the risk management working group to track the status of major risk controls. Besides, we carry out targeted risk investigations, and supervise the implementation of control goals and countermeasures for major risks.
Risk information reporting mechanism	We prepare monthly risk monitoring reports covering the status of major risks and emerging risk dynamics, which are submitted to senior management. Significant risk matters are reported to the Board on a quarterly basis. At year-end, we conduct a comprehensive review of annual risk management performance, establish goals and countermeasures for the following year, and submit them to the Audit and Risk Management Committee for review prior to Board approval.
Systematic arrangements of the compliance governance structure and responsibilities	The Company places great emphasis on compliance management and comprehensively advances the development of its compliance system. It formulates key plans annually, setting clear requirements for compliance work and risk management. The management team has attended the legal and compliance work conferences for three consecutive years, comprehensively listening to work reports from various units and making systematic arrangements.
Improvement of the compliance policy framework	We have built an integrated compliance management system that combines institutional safeguards, evaluation coverage, and coordinated risk prevention and control—enhancing compliance effectiveness and ensuring proper risk management. To strengthen institutional enforcement, we have established, under the coordination of the compliance management function, a tiered and categorized compliance system anchored by core foundational policies and supported by specialized policies. Through clearer responsibility allocation, deeper process integration, and upgrades to the *Measures for Lawful and Compliant Performance Assessment*, we ensure that compliance policies are scientifically designed and practical to implement. In addition, we reinforce execution supervision, provide follow-up training, and address gaps between internal policies and external regulatory requirements, further improving policy implementation effectiveness.
Development of compliance culture	To actively foster a culture of compliance, we encourage all employees to "respect, learn, abide by, and apply the law." For two consecutive years, the Group has published annual legal study plans for senior management, with leaders at all levels taking the lead in studying national laws and regulations and honoring compliance commitments. To further strengthen compliance culture, we have carried out a series of Legal Awareness Week activities and dedicated education campaigns on the Atomic Energy Law. By integrating constitutional education with specialized legal training, online outreach with offline engagement, and theoretical interpretation with practical application, we strive to foster a deeply rooted compliance culture, and embed compliance requirements into business processes, injecting legal momentum into high-quality development.
Internal control system development	We continue to improve a strict, standardized, comprehensive, and effective internal control system that is risk-oriented and focused on compliance supervision. Each year, we develop an overall internal control work plan, clearly defining tasks, timelines, implementation paths, responsible parties, and follow-up mechanisms. Annual internal control development and evaluation are carried out in an orderly manner to optimize the internal control framework, enhance its effectiveness, and strengthening our ability to prevent and mitigate risks.

Metrics and targets

We systematically advance internal control system development to strengthen risk prevention and mitigation. Comprehensive risk assessments are conducted across major projects, ongoing construction, and key business areas to identify annual major risks. For each identified risk, control objectives and countermeasures are formulated, and a major risk management register is established. Through strict implementation of control measures and clear assignment of risk prevention responsibilities, we aim to effectively avoid systemic and disruptive risks, ensuring operational risks remain identifiable and controllable. Guided by the principles of "strengthening internal controls, preventing risks, and promoting compliance," we uphold a work style characterized by strict compliance, prudent decision-making, and a detail-oriented, fact-based approach. We continue to strengthen system development, building a robust and efficient internal control and compliance framework. These efforts contribute to more optimized governance mechanisms, a more comprehensive policy structure, more effective supervision, and stronger accountability, laying a solid foundation for stable operations and sustainable development.

In 2025, no major operational or compliance risk incidents were recorded.

Upholding Safety as the Cornerstone of Operations

Opportunities and Challenges

The power industry is a critical foundation for national economic development, with nuclear power serving as a safe, efficient, clean, and low-carbon baseload energy source of strategic importance. Against the backdrop of China's carbon peaking and carbon neutrality strategy and its 2035 Nationally Determined Contributions targets, the nuclear energy sector faces a significant strategic opportunity window. Maintaining high standards of nuclear safety and advancing the development of nuclear power and comprehensive nuclear energy utilization projects requires seizing opportunities from digital and intelligent transformation and the cultivation of new quality productive forces. At the same time, the industry faces compounded challenges—including ensuring long-term, high-quality safe operation, achieving breakthroughs in key technologies, and strengthening cybersecurity and data protection amid increasingly complex digital application scenarios.

Strategies and Decisions

Following the basic principles of "safety first, quality foremost and pursuit of excellence", we place nuclear safety at the highest priority. The Company continuously promotes a culture of reverence for nuclear safety and the "I want to be safe" proactive safety outlook. We constantly refine our safety management system and strengthen safety culture development to ensure nuclear safety with zero tolerance for risk. At the same time, we enhance the strategic deployment of sci-tech capabilities, accelerate the independent and controllable development of key technologies, and strengthen our cybersecurity and data protection systems. Through high-level safety governance, we strive to safeguard high-quality development.

Goals and Progress

Our goals

- Continuously strengthen nuclear SQE management, and strive for the "Two Eliminations" goal[12] in areas such as work safety and engineering construction.
- Accelerate project approvals and ensure the high-quality delivery of major projects.
- Continuous improvement WANO performance indicators for nuclear power units in operation.

Progress in 2025

- The goal of "two eliminations" achieved
- Approvals for 2 nuclear power projects secured from the State Council and 6 nuclear power units commenced full construction
- The ratio of units achieving the world's excellent level (the world's top decile) in WANO indicators was 83.33%; ratio of units achieving the world's advanced level (the world's top quartile) in WANO indicators was 85.12%
  Yangjiang Nuclear was honored the 2025 Global Performance Excellence Award and the International Best Practice Award from the Asia Pacific Quality Organization (APQO)
- One achievement was selected as 2024 Top 10 Technological Innovations on the National Energy Administration's Research and Development Innovation Platform.

[12] The "Two Eliminations" goal refers to eliminating Level 2 nuclear events and eliminating relatively serious or above personal casualty accidents.

Safety Management

Nuclear safety is our overriding priority, and it is the bottom line that we adhere to the philosophy of "nuclear safety is our overriding priority" and the basic principles of "safety first, quality foremost and pursuit of excellence". CGN Power strictly abides by the Chinese nuclear safety regulations such as the *Nuclear Safety Law of the People's Republic of China* (***"Nuclear Safety Law"***), *the Regulations on Civil Nuclear Facility Safety Supervision and Administration, the Regulations on the Safety of Site Selection for Nuclear Power Plants, the Safety Requirements for Nuclear Power Plant Operation, the Regulations on Safety of Management Systems of Nuclear Power Plants*, etc. Additionally, the Company implements the *Opinions of Communist Party of China Central Committee and State Council on Promoting Reform and Development of Work Safety, the Three-year Action Plan for the Rectification of National Work Safety* and the latest arrangements and requirements from regulatory authorities on work safety.

Nuclear safety is the lifeline of a nuclear power enterprise. At CGN Power, we benchmark against the highest domestic and international standards, drawing on and integrating advanced safety management practices to further enhance our safety management system. We embed safety management throughout the entire lifecycle of nuclear power projects, from design and construction to operation, to achieve our nuclear safety goals. Over the years, all of our operating units have maintained safe and stable performance, with key performance indicators consistently meeting or exceeding internationally advanced levels.

Adherence to principles

Nuclear safety is our overriding priority

Safety first

Safety management system

Defense-in-depth system for nuclear safety management

Top-down nuclear safety culture for all employees

Completely independent system for safety supervision

Highly transparent and effective system for empirical feedback

Vigilant emergency response and disposal system for nuclear power

The overall goal of nuclear safety

To establish and maintain an effective defense system at NPPs to protect people, society and environment from radiological hazards.

Safety management system

A robust nuclear safety management system is the fundamental guarantee for ensuring uncompromising nuclear safety. With the objective of "Zero Injury, Zero Defect, and Zero Violation", CGN Power draws on extensive operational experience to continuously improve its safety management system and refines its management approach. The Company has established a mature and effective safety management system, effectively consolidating the foundation for nuclear safety management.

Defense-in-depth system for nuclear safety management

CGN Power follows the principles of defense-in-depth and multiple redundancy in the design, equipment layout, safety measures, equipment measurement, management system, and employee performance of NPPs. As for equipment, personnel, and organizational structure, we have established a nuclear safety management system that includes prevention, monitoring, and correction. We also consider the establishment of defense-in-depth barriers and their effectiveness in our operational procedures to achieve work safety, control, and supervision at NPPs.

We have further promoted the "SCS" Management, and operate our NPPs in a standardized, centralized and specialized way to maintain their stable operation.

Standardization

Standardized organization

Standardized management system

Standardized operating procedures

Centralization

Centralized resources allocation

Centralized technical support

Centralized information sharing

Specialization

Specialized work division

Specialized talent team

Specialized capability building

In 2025, we further strengthened the nuclear safety accountability framework by revising regulations on nuclear safety and work safety responsibilities. These revisions clearly define nuclear safety responsibilities across all organizational levels and positions, as well as work safety responsibilities at headquarters, thereby promoting the effective implementation of safety accountability across the entire workforce. We also enhanced the operational standardization of the Plant Nuclear Safety Committee (PNSC) at nuclear facility operating entities. The head of operating entities is required to serve as Chair of the PNSC and delegate relevant business temporarily in accordance with the principles of "one meeting, one authorization" and "delegation of authority, not responsibility". In addition, this person in charge shall directly oversee the independent nuclear safety supervision department to strengthen the independence of nuclear safety supervision and place nuclear safety at the highest priority.

Top-down nuclear safety culture for all employees

CGN Power has developed a top-down nuclear safety culture for all employees, and advocates that "everyone is a safety barrier". We consistently uphold the work style of Strict Compliance, Prudent Decision-making, Detail-oriented and Fact-based Approach. To strengthen all employees' awareness of nuclear safety, we carry out standardized, and long-term activities, such as "managers on site", "abiding by procedures and no violations", "nuclear safety precautionary education", "nuclear safety culture promotion among teams and groups", and "work safety standardization". We also initiate specific campaigns in line with annual priorities.

In 2025, the Company completed safety culture assessments at DNMC (including GNPJVC, Ling'ao Nuclear, and Lingdong Nuclear), Yangjiang Nuclear, and Ningde Nuclear. Within two years, we achieved full coverage of safety culture assessments across all operating nuclear power sites. A total of 8,320 individuals participated in the safety culture questionnaires, with 573 interviews conducted and over 43 on-site activity observations performed, supplemented by multiple rounds of document reviews. This process accumulated 6,375 valid data points, providing strong guidance for the continuous enhancement of nuclear safety culture at our nuclear power plants.

On-site visits for problem-solving by the chairmen and general managers of main subsidiaries and associated companies

7.32 times per person per month

Case Regular safety inspection

In April 2025, an inspection team—led by Chairman of the Board as the leader and the Safety Director as the deputy leader, and composed of experts from various fields—visited the Huizhou Nuclear Power Site for a comprehensive safety inspection. The team carried out an in-depth assessment through briefings, discussions, on-site inspections, document sampling, and personnel interviews. It focused on in-depth reviews across key areas including nuclear safety oversight, foreign material exclusion (FME) control, cybersecurity, tunnel construction safety, and fire protection management at the site.

Case CGN Engineering conducts the nuclear safety culture promotion conference and inaugural nuclear safety culture microfilm premiere

In November 2025, CGN Engineering held a nuclear safety culture promotion conference and the premiere ceremony of its first nuclear safety culture microfilm.The event aims to communicate the values of nuclear safety culture and consolidate the consensus and strength of all employees in practicing these principles.

Completely independent system for safety supervision

Complying with relevant international and national nuclear safety regulatory requirements, CGN Power establishes an independent internal safety supervision system, and accepts irregular inspections and supervision of NPPs by national regulatory agencies. We also fully leverage internal and external supervision to promote the implementation of various actions in the independent supervision and improvement plan at all NPPs, and ensure that the indicators of units fulfill or exceed the regulatory requirements.

Within the Company, we set up the Nuclear Safety Supervision and Assessment Department to supervise and assess the safety of all NPPs operated and managed by CGN Power. We have established the Center of Independent Supervision and Assessment for Nuclear Safety (**"Nuclear Safety Supervision Center"**) to independently monitor and assess the safety management of nuclear power sites, covering safety culture cultivation, unit safety management, equipment reliability, project safety and quality control, cyber security, NPP security and emergency management. The Nuclear Safety Supervision Center reports directly to the President and is completely independent from operations departments. We also develop and implement safety improvement plans with all our NPPs, to ensure the effective implementation of the system.

Externally, our NPPs accept the national nuclear safety regulators' irregular and targeted inspection, and the regular independent safety assessments by international industry organizations, including IAEA and WANO. Through experience exchange with peers, we keep improving our safety management of nuclear power.

In 2025, we actively advanced the development of a risk-informed nuclear safety oversight and management system. All Generation II and II+ nuclear power plants under our management completed the transition to the Chinese Technical Specifications (CTS) system. We also took the lead in China by officially launching a fleet-wide, full-scope risk importance evaluation tool, enabling both qualitative and quantitative importance assessments and risk quantification for all abnormal events at our nuclear power plants. Furthermore, we underwent a total of 175 inspections and/or reviews conducted by the national nuclear safety regulatory authorities across all operating and under-construction nuclear power plants under our management. As planned, we received World Association of Nuclear Operators (WANO) peer review follow-up visits for the Daya Bay NPP, Hongyanhe NPP, Fangchenggang NPP, and Taishan NPP, as well as a pre-startup peer review for Huizhou Unit 2. In addition, we underwent the International Atomic Energy Agency (IAEA) Pre-Operational Safety Review Team (Pre-OSART) mission for Cangnan Unit 1 prior to its commissioning.

	Level	Scope of Supervision
Internal supervision system	• On-site safety supervision team with NPP safety engineers as the core • Safety management organizations with the basic functions of the safety and quality management of NPPs • Nuclear Safety Supervision Center to monitor plants	• Ensuring the effectiveness of NPP daily production in terms of safety • Ensuring and overseeing the effectiveness of safety management system at the organizational level • Carrying out independent safety supervision and assessment at each nuclear power site
External supervision system	• National Nuclear Safety Administration • International peers' independent safety assessments (including IAEA & WANO)	• Supervising and inspecting the compliance with nuclear safety regulations • Assessing and supervising the safe operation in NPPs

Dynamic and transparent experience feedback system

The experience feedback system is an important part of safe operation of NPPs. We continue the collection of internal and external historical experience to analyze the root causes of accidents, develop plans to correct our actions, and form a dynamic and transparent experience feedback system to prevent any recurrence of accidents. We have established a system that encourages the reporting of operational incidents relating to nuclear power. Management and supervisory departments are required to report the incidents with the transparency measurement indicators in place. Meanwhile, we manage feedbacks on operational incidents intensively, and analyze the root causes of the incidents and deviations, with follow-up corrections. Later, we summarize best practices, and promote them in all NPPs.

In 2025, we continued to deepen and optimize our operating Experience Feedback (EF) system. To strengthen centralized control, we established the Corrective Action Review Committee, which provides comprehensive supervision and guidance over the entire EF management process across our subsidiaries. Centered on this committee, we iteratively optimized the EF management framework and operating model among all nuclear power plants. We standardized procedures and formulated event grading criteria for both operational and engineering domains. Meanwhile, we advanced the development of an integrated EF system (status report) within the operational domain. With operating entities at construction sites serving as the core, we built an integrated engineering EF system covering nuclear power sites under construction, engineering companies, supervision companies, and major contractors. In addition, we established a comprehensive set of EF indicator system covering the entire value chain.

Feedback between engineering and operations departments	The two-way experience feedback mechanism between the engineering and operations departments helps both parties share and use experiences, promoting nuclear power unit improvement in areas such as design, supplier process, equipment replacement, construction and commissioning management, operation optimization, maintenance strategy and regular safety reviews.
Feedback among NPPs	We established the Corrective Action Review Committee to review analysis reports on significant, common, and recurring events among NPPs. The committee also guides all units in strengthening root cause analysis and conducts closed-loop tracking of feedback regarding the implementation of nuclear safety regulatory requirements, ensuring that responsibilities are strictly fulfilled. We actively conduct experience feedback analysis among NPPs, regularly organize the screening of experience feedback and arrange professionals from NPPs to learn from each other. At the same time, we have compiled a series of historical experiences and lessons in industrial safety, fire safety, environmental safety, operation and maintenance, etc. into publications.
External feedback	We carry out SOER (Significant Operating Experience Report) and WANO performance analysis. • We timely track the issues related to safety of nuclear operation in WANO assessment results, and continuously verify and optimize the improvement measures, so as to provide support for managers to make reliable decisions. • We organize a comparative analysis of SOER among plants to identify common issues and improvement directions, with an aim to enhance the management's awareness of risk management and improve their risk management capabilities.

Vigilant emergency response and disposal system for nuclear power

CGN Power highly values the emergency response capabilities of nuclear power plants. The Company continuously improves the organizational systems for nuclear emergency response, and has developed a comprehensive emergency response system centering on nuclear emergencies and a multi-line emergency defense mechanism. The mechanism is supported by specialized emergency equipment and facilities, as well as sufficient and qualified personnel who participate in emergency drills on a regular basis. The emergency drills will also be regularly held. As a result, a sound and vigilant nuclear emergency response system is in place, so that nuclear emergencies can be handled in time, safeguarding the residents around.

In 2025, CGN Power continued to strengthen its emergency response system for extreme weather events and effectively mitigated the impacts of typhoons. We further improved coordination mechanisms and completed the implementation of tailored emergency response plans for each NPP. The emergency linkage mechanism operated effectively as the Company actively expanded external emergency resource support to enhance its capability to respond to major nuclear and power-related incidents.

Case **Yangjiang Nuclear activates a special emergency response plan for Super Typhoon "Ragasa"**

In September 2025, following early warnings of Super Typhoon "Ragasa", Yangjiang Nuclear responded promptly and closely monitored the typhoon's trajectory. The site promptly activated a special emergency response plan for floods, typhoons and droughts and convened multiple dedicated anti-typhoon coordination meetings. Various emergency response teams worked closely to execute protective actions, including installation of flood barriers, distribution of emergency supplies, inspection of submersible pumps and diesel generators, and checks of emergency equipment. Throughout the typhoon's landfall and passage, all six units at the Yangjiang Nuclear Power site remained in a safe condition.

Yangjiang Nuclear conducts the special meeting to deploy preventive measures for Super Typhoon "Ragasa"

Case CNPRI organizes multi-scenario emergency drills

Directed by a "scenario-based and all-encompassing" approach, CNPRI organized multi-dimensional emergency drills to strengthen emergency awareness and enhance coordinated response capabilities under urgent conditions. These drills promoted the transformation of emergency preparedness from "paper-based plans" to "combat-ready capabilities". A total of 12 emergency drills were conducted, covering scenarios such as heatstroke prevention, fire response, and traffic accidents, with more than 1,200 participants. This comprehensive process thoroughly validated the operational effectiveness of our emergency response plans.

Case Successful implementation of the Smart Nuclear Emergency Command System

In October 2025, the Smart Nuclear Emergency Command System, jointly developed by DNMC and China Nuclear Power (Shanghai) Simulation Technology Co., Ltd., was successfully implemented at the Daya Bay Nuclear Power Site. As both the process carrier and the key technical tool for emergency response at nuclear power plants, the system enables real-time "digital twin" sensing of critical plant information. During drills, the system achieved digitalized emergency instructions, streamlined response workflows, automated notification and faxes, and visualized task execution. By integrating multi-source data and seamlessly connecting end-to-end workflows, the system provides scientific, efficient, and professional decision-making and response support for emergency organizations. Its application outcomes have been widely recognized by industry experts, proving its maturity for NPPs-wide rollout and multi-scenario applications.

SQE management

CGN Power continuously optimizes the SQE management system, strengthens SQE team development, consolidates operational foundations, and improves long-term mechanisms to enhance safety management performance.

Strengthening safety accountability

CGN Power's senior management has led comprehensive safety inspections for six consecutive years to reinforce safety accountability across all employees. By optimizing performance review standards and compiling "must-know and must-master" manuals, we have promoted standardized performance of duties by management teams at subsidiaries. At headquarters, a Nuclear Material Control Office and a dedicated Anti-counterfeiting Task Force were established. By launching digital platforms and tools, the Company has achieved penetrative supervision of licensed entities and coordinated governance across the industry chain.

Enhancing risk prevention and control

We continue to improve the effectiveness of our quality assurance (QA) system. In 2025, we achieved zero major non-conformities for the first time, with a significant year-on-year reduction in the total number of major and moderate non-conformities. We have established a quality management maturity evaluation standard for equipment suppliers to drive quality improvement across the supply chain. We have improved our safety supervision and management system, institutionalizing quarterly nuclear safety inspections to address emerging and general issues. Guided by the "five transformations[five transformations:modularization, mechanization, automation, digitalization, and intrinsic safety enhancement]", we have spearheaded work safety standardization and international benchmarking, with more than 1,100 related projects implemented across our sites.

Strengthening capability building

We have further implemented fundamental work safety initiatives, with all actions progressing as planned. Notable progress was made in ecological and environmental protection. First, rainwater and sewage diversion projects at all six operating nuclear power sites were fully completed and commissioned. This achievement makes us the first nuclear power group in China to complete such upgrades across all operating plants. Furthermore, improvements in environmental impact assessment quality and routine environmental rectification initiatives at nuclear power plants were advanced in an orderly manner. The first phase of the Radiation Environmental Monitoring Technology Center was completed, and radiation laboratories at all operating nuclear power plants obtained CNAS accreditation. Several self-controllable security-related IT systems were launched, further elevating plant security standards. Finally, through series of promotional campaigns, competitions and training activities during events such as "Work Safety Month" and "Quality Month," we have fostered a strong SQE culture with full employee participation.

During this Reporting Period, the Company's nuclear facilities remained a stable and controlled nuclear safety status. No unplanned scrams or shutdowns occurred, and no Level 1 or above nuclear safety events were reported. No work-related fatalities or serious injuries occurred across all business sectors. There were no major quality incidents or above, and no environmental or radiation safety incidents subject to external penalties or internal disciplinary actions. The discharges of three radioactive wastes (solid, liquid and gaseous wastes) remained overall controlled, while energy efficiency and non-radioactive environmental indicators functioned normally. Overall, our SQE performance remained stable and well-controlled.

Certification

All NPPs of CGN Power obtained **the ISO 9001 auality management system certification and the ISO 45001 occupational Health and safety Management system certification**

[13] five transformations:modularization, mechanization, automation, digitalization, and intrinsic safety enhancement.

Case **Yangjiang Nuclear wins gold award at the 50th ICQCC**

Yangjiang Nuclear has focused on the critical quality challenge of fire damper failure-to-actuate in nuclear power plants. Through a comprehensive analysis of design principles, operating conditions, and failure modes, the team developed an efficient and stable optimization solution titled Reducing the Failure-to-Actuate Rate of Fire Dampers in Nuclear Power Plants. In November 2025, the project stood out among more than 900 competing teams from 14 countries and regions and won a gold award at the 50th International Convention on Quality Control Circles (ICQCC), achieving the Company's best-ever performance in this international competition.

Honors

Fangchenggang Nuclear won **the Second Prize of the 2025 China Association for Quality's Quality Technology Award.**

Honors

Ningde Nuclear received **the Second Prize of the 2025 China Association for Quality's Quality Technology Award.**

Honors

DNMC achieved **a breakthrough at the 2025 China Association for Quality's Quality Technology Award:** two projects received **the Second Prize (Project Award),** four projects won **the Third Prize,** and one employee received **the Quality Technology Individual Award for the first time.**

Outstanding safety performance

We believe that "a safe nuclear power plant is and only a safe nuclear power plant can be an economical nuclear power plant with which the Company can achieve sustainable development". All operational units have maintained safe and stable operation for years, meeting the requirements of international advanced standards, with an average capacity factor of more than 89% for ten consecutive years.

2025 CGN Power Unit Capacity Factor

"Unit Capacity Factor" is mainly used to measure the availability of nuclear power units. It is an important indicator that reflects the electricity generation capacity of nuclear power units. It is also recognized by the international nuclear power industry as the indicator that can best reflect the business performance of nuclear power operation and the level of nuclear power safety management.

Daya Bay Unit 1	93.91%	Ningde Unit 1	99.99%
Daya Bay Unit 2	91.48%	Ningde Unit 2	93.82%
Ling'ao Unit 1	94.07%	Ningde Unit 3	89.59%
Ling'ao Unit 2	99.99%	Ningde Unit 4	93.18%
Lingdong Unit 1	92.99%	Hongyanhe Unit 1	91.31%
Lingdong Unit 2	93.38%	Hongyanhe Unit 2	100%
Yangjiang Unit 1	94.45%	Hongyanhe Unit 3	99.53%
Yangjiang Unit 2	89.61%	Hongyanhe Unit 4	89.33%
Yangjiang Unit 3	99.99%	Hongyanhe Unit 5	90.97%
Yangjiang Unit 4	90.49%	Hongyanhe Unit 6	99.99%
Yangjiang Unit 5	92.09%	Fangchenggang Unit 1	99.71%
Yangjiang Unit 6	99.99%	Fangchenggang Unit 2	93.89%
Taishan Unit 1	68.80%	Fangchenggang Unit 3	84.06%
Taishan Unit 2	86.61%	Fangchenggang Unit 4	81.10%

CGN Power's Annual Comparisons in WANO Indicators (2023-2025)

The WANO indicator is an important international statistical parameter for evaluating the safety and reliability of nuclear power project operations. The dozens of indicators directly reflect the nuclear power unit's operation safety level. Members of WANO organization formulate internationally accepted performance indicators for unified management and coordination, which is conducive to strengthening the exchange on nuclear power technology, experience and accident information, and continuously improving the safety and reliability of NPPs worldwide. We have maintained a high proportion of the indicators achieving the world's advanced level (the world's top quartile) and the world's excellent level (the world's top decile), ranking among the top in the international industry.

28
Nuclear power units in operation

92.65%
The average unit capability factor (UCF) of the operational fleet, attaining world-class advanced level. Specifically, Generation II and II+ nuclear power units achieved an average UCF of 94.74

0
Operational incidents at level-2 or above in INES[14] occurred at our NPPs

100%
Fuel reliability and safety system performance indicators reaching the world's advanced level

0
Complaints on our products and services received during the Reporting Period

Case Yangjiang Nuclear receives the Global Performance Excellence Award

In October 2025, Yangjiang Nuclear was honored with the 2025 Global Performance Excellence Award at the 30th International Conference of the Asia Pacific Quality Organization (APQO), in recognition of its outstanding management performance and practices. This milestone makes it the first nuclear power enterprise in China to receive this accolade. The Global Performance Excellence Award serves as an authoritative recognition in the field of international management and is the highest honor conferred by APQO. In addition, Yangjiang Nuclear's established multi-unit cluster management model for nuclear power plants was honored with the International Best Practice Award by APQO.

[14] According to the International Nuclear Event Scale (INES), there is a 7-level event classification system. Events of lesser safety significance (Levels 1 or above) are termed "incidents" or "accidents". Events of lesser safety significance (Levels 0) are termed "deviations" and not classified.

Occupational Safety Performance in the Field of Nuclear Power Operation

NPP	Industrial safety accident rate of employees per 200,000 man hour[15]			Industrial safety accident rate of contractors per 200,000 man hour[16]		
	2023	2024	2025	2023	2024	2025
Daya Bay NPP	0	0	0	0	0	0
Ling'ao NPP	0	0	0	0.11	0	0
Lingdong NPP	0	0	0	0	0	0.08
Yangjiang NPP	0	0.0636	0	0	0	0
Fangchenggang NPP	0	0	0	0	0.0125	0
Ningde NPP	0	0	0	0	0	0
Hongyanhe NPP	0	0	0	0	0	0
Taishan NPP	0	0	0	0	0	0

Case Daya Bay Nuclear Power Site surpasses 1,000 TWh in cumulative power generation

On April 29, 2025, the six generating units at the Daya Bay Nuclear Power Site surpassed 1,000 TWh in cumulative on-grid power generation, becoming the first nuclear power site in China to reach this milestone. Of this total, more than 320 TWh have been supplied to Hong Kong, accounting for approximately one-quarter of the city's total power consumption. The site has provided a stable supply of clean energy for prosperity and development of the Guangdong–Hong Kong–Macao Greater Bay Area (GBA).

[15] Industrial safety accident rate of employees per 200,000 man hours=200,000×(Annual employee accidents/annual employee hours)

[16] Industrial safety accident rate of contractors per 200,000 man hours=200,000×(Annual contractor accidents/annual contractor hours)

Stable Operation

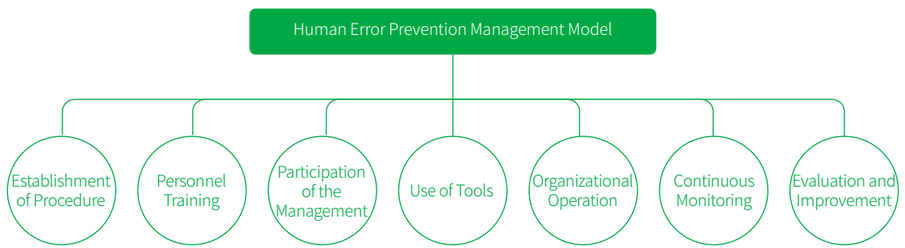
Safe and stable operation is a cornerstone for corporate sustainability. CGN Power implements China's policies of "developing nuclear power in an active, safe, and orderly manner" and adheres to the work requirements of "rulesbased actions, clear accountability, effective supervision, and traceable documentation". We strictly implement operating procedures, maintain equipment in a regular and orderly manner, and ensure effective plant management to provide safe, stable, and reliable power to support the development of a new-type energy system and sustainable economic and social growth.

Standardized operation

Human error is a vital factor that results in unit safety issues. In order to reduce human error, we have established a human error prevention management model. In this model, we set up the management objective, continuously enhance staff skill training and incorporate safety and quality requirements into staff management on violations of rules and regulations. At the same time, we implement the accountability system and the reporting system, thereby ensuring the timely revelation of fraud and concealment. This also continuously improves the human error management.

Human error prevention management mechanism

In our human error prevention management model, we carry out special rectification, improve the mechanism for admission, selection, training and assessment for operating personnel, and organize job training for personnel in production operation to strengthen their operational skills, thus reducing the safety impacts caused by human error greatly.



Management objective

Driven by the vision of "Zero Human Error", we improve the human error performance of plants in three stages, from passive defense to proactive management.

Operation Mode

- Improving management organization for human performance
- Introducing new theories and technologies
- Reducing human error of contractors

- Identifying single-point failure and repairing barriers
- Applying and popularizing new technologies for prevention of human errors

- Integrating into daily work
- Regular benchmarking, check and evaluation

Human error prevention actions

In 2025, we further advanced human performance improvement initiatives by focusing on single-point failure prevention and barrier restoration. We continuously optimized our human performance tool framework, and organized skill competitions and benchmarking assessments on human performance maturity across nuclear power plants. Intelligent upgrades for human error prevention were also implemented to enhance our human performance management capabilities.

In 2025, the rate of human errors per 200,000 man hours at operational plants dropped to **0.328**, **meeting the target and achieving the goal set for China's 14th Five-Year Plan Period.**

Case **The 2025 CGN Power Human Performance Skills Competition concluded**

In July 2025, the CGN Power Human Performance Skills Competition was successfully held at Yangjiang Nuclear Power Site. The event consisted of three stages: a written examination, practical exercises, and a competitive challenge. A panel of 10 human performance experts from our nuclear power sites served as judges, conducting a comprehensive assessment of 19 teams from eight nuclear power sites, covering Daya Bay, Hongyanhe, Ningde, Yangjiang, Fangchenggang, Taishan, Huizhou, and Cangnan. The competition assessed participants' mastery of professional knowledge—covering human performance management theory, human error prevention tools, behavioral standards, and safety culture—as well as their teamwork capabilities. The event effectively fostered a positive atmosphere for enhancing human performance.

Equipment operation and maintenance

Equipment reliability is critical to the safe NPP operations. To ensure the highly stable operation of nuclear equipment, CGN Power ensures reliability management throughout both the design and operation stages. During the design phase, we fully consider equipment configuration; during operation, we strictly comply with operational technical specifications and supervisory requirements, strengthen risk prevention for major and sensitive equipment, and conduct regular monitoring and maintenance. These efforts drive equipment management toward greater standardization, proceduralization, and normalization.

Equipment management

During the Reporting Period, we improved our equipment management system and updated the *Guidelines for the Management of Key Sensitive Equipment in Nuclear Power Plants*, incorporating single point vulnerability (SPV) into the unified critical component management (CCM) framework. Based on a zero-tolerance approach toward nuclear safety hazards, we continuously enhanced the dual prevention mechanism combining hazard identification and rectification with tiered risk control. Besides, we organized horizontal comparison of single-point failure analyses across the entire process chain for preventing load-rejection from units and reactor shutdowns, and refined the CCM inventory. We strictly implemented the requirements of "Identifying hidden hazards, controlling defects, and preventing human factors.", formulated rectification plans for existing technical issues related to three major equipment risks (unplanned shutdowns and reactor trips, unit derating, and forced losses), and launched targeted improvement initiatives in four key areas (emergency diesel generators, critical pumps, cooling sources, and instrument control). Leveraging the "one checklist, one network" management approach, we strengthened rectification of technical issues associated with three major risks mentioned above, thereby continuously improving the reliability of major equipment. In 2025, 142 rectification tasks were planned, of which 137 were completed, representing a completion rate of 96.4%. We reinforced accountability for general technical issues and promoted timely rectification following the principle of "hierarchical and classified" management. A total of 136 general technical issues were identified in 2025, with a 100% rectification rate. We also advanced the development of the CCM digital information platform (iCCM). Health monitoring applications were fully deployed across 839 major pieces of equipment at operating power plants, successfully preventing one reactor shutdown and one major equipment damage incident. This marked a transition from high-quality system development to efficient application.

In 2025, 28 operating units achieved zero unplanned shutdowns and reactor trips for the first time. The average forced loss rate of the units was **0.05%**, representing only **6% of the level recorded during the 13th Five-Year Plan Period and marking the best performance in history.**

Refueling outage

Based on the design of PWR NPPs, the nuclear reactor of each unit in operation must be shut down for refueling after a certain period. Taking safety and economic factors of NPPs into consideration, nuclear power operators usually arrange some preventive and corrective maintenance, inspections, tests and partial modification projects of the unit during the refueling period, which is commonly referred to as the refueling outage. We uniformly plan and rationally deploy personnel to perform outage activities. Meanwhile, NPP equipment is categorized and analyzed to continuously improve the efficiency of refueling, detect equipment abnormalities in real time and ensure that outage activities are carried out in an orderly manner.

In 2025, CGN Power completed a total of 19 refueling outages, including 16 annual refueling outages (including one spanning the year-end period), two ten-year outages, and one initial outage. During the year, we initiated the development of a full life-cycle refueling outage plan for all nuclear power plants, and launched pilot programs integrating long-term asset management with medium- and long-term retrofit and outage planning. These efforts provide a long-term perspective to support systematic planning and optimization of outage management. Besides, we established the Hualong One outage excellence task force to advance the optimization initiatives for Hualong One refueling outages across our NPPs. A total of 20 pilot optimization projects were completed, including containment vessel pressure test drainage, maintenance intervals for Hualong One electric actuators, maintenance windows for polar cranes, diesel generator maintenance, and application of low-voltage switchgear testing devices for Hualong One reactor. These optimization measures were successfully implemented during the first refueling outage of Fangchenggang Unit 4. In addition, guided by a technology-driven innovation, we delivered the medium- and long-term strategy for control rod drive mechanism replacement across all NPPs and actively promoted the application of new technologies and processes, such as dual-unit water transfer for refueling water tank floor treatment.

Case **The refueling outage of Daya Bay Unit 1 completed**

In November 2025, the 24th refueling outage of Daya Bay Unit 1 was successfully completed. The unit achieved a successful grid connection on the first attempt and fully met the established goals of "zero safety incidents" and "zero quality incidents." This outage marks the first refueling outage following the completion of the unit's 30-year life extension upgrade; it is also the final refueling outage of CGN Power in 2025, signifying the successful completion of the year's outage as well as the 2021-2025 outage objectives. During the outage, the project team, adopting full-process refined management, continuously improved maintenance techniques and enhanced operational efficiency. The team strictly reinforced safety accountability at all levels, laying a solid foundation for the unit's long-term safe and stable operation.

Under the premise of ensuring safety and quality, during 2021-2025, the average duration of annual refueling outages was approximately **26 days, four days shorter than in 2016-2020.** The ten-year outages of Yangjiang Unit 2 and Ningde Unit 3 successively set new records for the shortest ten-year outage duration at CGN Power, nearly **15 days shorter than the previous period.**

Fleet management

Based on the characteristics of our multi-technology platform and multi-site operations, we have established the standardized, centralized and specialized plants management system, to ensure efficient management of plants.

Standardized

- Based on the OPST model (the operation standard management system) in the core areas of operations, we achieve the unified organizational management system, the unified technical standards and procedures system, the unified post qualifications and the authorized training system, as well as the unified operation management tools.

Centralized

- We continue to maximize the economical efficiency and overall value in centralized management like resource allocation, effective platform operation and information sharing. We continuously promote the standardized and informatized bidding management and spare parts management, make full use of big data to improve management efficiency, and gradually expand the scope of centralized procurement of spare parts and public materials. It also helps implement the overall allocation of resources, enhance the bargaining power of centralized procurement, and optimize procurement channels, thus achieving significant cost-effectiveness.

Specialized

- We have specialized subsidiaries such as CGN Operations, CNPRI, SNPI, CGN Engineering, providing professional services for NPPs in refueling outage, engineering modification, equipment management, spare parts management, and NPP design and construction. According to the characteristics of the production and operation management of NPPs, we have gathered the superior resources of NPPs and specialized subsidiaries, and established a number of functional field peer groups (**"PG groups"**). Each PG group is composed of professional and technical managers of the Company, NPPs and specialized subsidiaries. The PG groups focus on cross-organizational overall planning and coordination management in terms of sharing and communication, problem orientation, capacity building, etc. Targeting the common technical problems of each NPP, they concentrate professional forces to promote and apply new tools, new technologies and good practices, and enhance the professional capabilities in various fields, pursuing excellence in each NPP.

In 2025, CGN Power continued to advance the "Standardization, Centralization, and Specialization" (SCS) management strategy, maintaining a strong safety performance. We implemented improvement actions arising from the second-round corporate peer review (CPR) conducted by the World Association of Nuclear Operators (WANO). Our goal was to optimize NPPs performance monitoring, strengthen the PG group's role in performance support, enhance independent oversight functions, and foster a culture and leadership model toward continuous improvement. We also restructured our work safety performance indicator system, highlighting pre-warning and challenging indicators. The system supports active challenge performance at the headquarters and drives sustained improvements in NPP performance.

Case **Fangchenggang Nuclear receives ESG Innovation Achievement Award**

In October 2025, the list of the Sixth Modern Industrial Enterprise Innovation Cases (Achievements) was announced at the 2025 China Industrial Enterprise Innovation Conference. Fangchenggang Nuclear's project, Six-Dimensional Integrated Cluster Management Empowers ESG Excellence Practices at Multi-Technology Nuclear Power Sites, was awarded the second-grade ESG Innovation Achievement Award. In response to the management complexity arising from the concurrent operation of improved second-generation nuclear power units and third-generation nuclear power units, Fangchenggang Nuclear pioneered the "Six-Dimensional Integration" ESG management model. Through the restructuring of theoretical framework, the empowerment of digital technologies, and collaborative innovation across the industry chain, it achieved deep ESG integration—significantly enhancing NPP operational reliability, maintenance cost-effectiveness and safety performance. This model provided a management benchmark for multi-technology nuclear power sites and an ESG management standard applicable to highly complex industrial scenarios.

Engineering Exemplar

Engineering quality is the cornerstone of safe and efficient nuclear power operation. Aiming at "zero violations in conduct and zero defects in quality", CGN Power upholds the highest standards and strictest requirements to build high-quality projects. We advance the safety and quality management systems, enhance whole-process and full-factor control capabilities, and comprehensively improve construction quality, supporting the safe, reliable and efficient operation of nuclear power units.

Engineering management

High-quality nuclear engineering construction is the fundamental prerequisite for safe and efficient operation after commissioning.CGN Power continuously refines its engineering safety and quality management system by optimizing regulations, strengthening supervision, and standardizing operations . These efforts have led to improvement of safety and quality performance in nuclear power engineering, making its performance a leader on an international scale.

In 2025, we strengthened long-term nuclear safety management mechanisms, with a focus on improving the effectiveness of our quality assurance (QA) system. Building on prior feedback, we conducted targeted QA system inspections and evaluations at our subsidiaries for the third consecutive year. Through the promotion of best practices, targeted training, and strengthened guidance and support, we organized regular supervision of improvement measures across all subsidiaries. Senior management at subsidiaries took the lead in advancing self-management, further enhancing their capabilities in "self-identification, self-analysis, and self-improvement." During the Reporting Period, the average quantitative scores for QA system effectiveness across subsidiaries steadily improved, and CGN Power's QA system achieved notable progress in terms of integrity and suitability.

Honors

Three achievements of CGN Engineering received **first and second prizes for the Second National Power Industry Engineering Construction Management Innovation Achievement.**

Honors

CNDC received **the Nomination Award of the China Quality Award.**

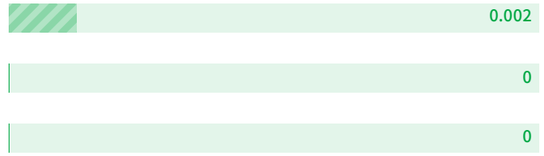
Quality engineering

Quality projects are fundamental to stable and sustainable growth. Guided by the principle that "today's engineering quality determines tomorrow's nuclear safety," CGN Power focuses on enhancing large-scale project construction capacity—centered on the effectiveness of its quality assurance (QA) system—to strengthen its quality foundation and advance nuclear power projects steadily and efficiently. The Company strictly implements regulatory requirements, ensuring that all major project milestones are reviewed and confirmed for compliance before proceeding to the next stage. During our corrective action management, we optimize the experience feedback mechanism, with engineering quality abnormality management, event management, and experience feedback systems integrated to improve response efficiency. In 2025, key quality indicators in the engineering field remained stable and under control, providing strong assurance for the bulk production quality of nuclear power projects adopting the "Hualong One" technology.

Overall SQE benchmarking rating of nuclear power projects under construction

For nuclear power projects under construction, the company conducts a comprehensive assessment on project safety, quality, and environmental impact in terms of performance standards, site selection, and management based on the *QHSE Standardized Management and World-class Benchmarking Assessment Manual for Nuclear Power Projects*. The rating system is divided into ten levels, of which levels 5 and 6 are good, levels 7 and 8 are advanced, levels 9 and 10 are inter-national benchmark.

2023-2025 Industrial Safety Accident Rate Per 200,000 Man Hours in Engineering Construction[17]



	Fangchenggang NPP[18]	Huizhou Nuclear Power Site	Cangnan Nuclear Power Site	Lufeng Nuclear Power Site	Ningde[19] NPP Phase II Project
2023	8	7	7	6	NA
2024	NA	5	5	5	5
2025	NA	6.48	6.64	7.17	5.59

Key projects

Safety and quality remain our top priorities—production aligns with safety, and progress follows quality. We optimize project management mechanisms, enforce accountability, and ensure strict control over six key areas: engineering safety, quality, environment, technology, progress, and investment. Cross-project experience feedback has been reinforced, with greater resource allocation and stronger controls over batch construction projects, ensuring steady progress in engineering execution.

By the end of 2025, we managed 20 nuclear power units under construction, including four units in the commissioning phase, two in the equipment installation phase, seven in the civil construction phase, and seven preparing for First Concrete Date (FCD).

[17] Industrial Safety Accident Rate Per 200,000 Man Hours= 200,000× (number of accidents for both employees and contractors per year / total man hour of both employees and contractors per year).

[18] All four units of Fangchenggang NPP were put into operation in 2024.

[19] Ningde Unit 5 entered FCD in 2024.

Honors

Two projects of CGN Engineering received **the second prize for the Guangdong Provincial Scientific and Technological Progress Award.**

Case **Dome lifting completed for Lufeng Unit 6**

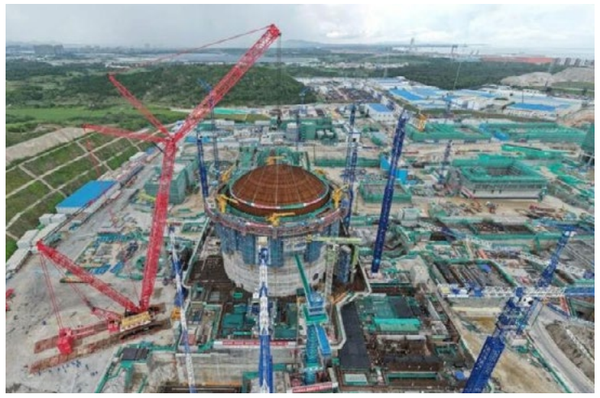
In July 2025, dome lifting was completed for Lufeng Unit 6, marking the topping-out of the reactor building and the full transition from civil construction to equipment installation.

Millimeter-level precision

The dome of Lufeng Unit 6 measures 45 meters in diameter and weighs approximately 275.1 tons. Given its size and weight, the lifting process required overcoming stressinduced deformation and windinduced sway, while achieving millimeterlevel precision alignment with the steel containment vessel cylinder at a height of around 60 meters—with safety and quality fully controlled throughout. Through fullprocess simulation and advance analysis of technical challenges, the project team applied multiple technologies, including 3D laser simulation, realscene replication, finite element analysis, and realtime meteorological monitoring, ensuring successful installation on the first lift.

100% inspection pass rate

During dome assembly, the project team leveraged industry best practices and adopted building information modeling (BIM) visualization management, the jig support system for dome assembly, and laser intelligent tracking for efficient MAG automatic welding to optimize dome assembly processes. By applying Internet of Things (IoT) and cloud-based data processing technologies, the team developed a digital welding management cloud platform, achieving a 100% pass rate in radiographic inspection of MAG welds.



Cybersecurity and Data Security

Cybersecurity and data security are key pillars of our stable operations and innovative development. Complying with China's *Cybersecurity Law*, *Data Security Law*, *Personal Information Protection Law*, and other applicable laws, regulations and policy requirements, CGN Power continues to improve its cybersecurity and data security protection framework and strengthen risk monitoring, early warning and emergency response capabilities to comprehensively enhance cyber resilience and data security assurance.

Governance

Organizational structure

Our Cyber Security and Information Technology Committee oversees and guides overall data security management. The Technology and Digitalization Department is responsible for the centralized management of network and data security. It formulates cybersecurity policies, strategies, architectures, and technical standards to ensure robust network and data protection. The executive leader in charge of cybersecurity and informatization assumes direct leadership responsibility for cybersecurity efforts.

Policy framework

Our data security related policy documents include *Technical Protection Standards for Work Secrets and Trade Secrets, Data Security Management Measures, Data Security Compliance Management Standards, Data Export Security Assessment and Declaration Process, Supply Chain Cybersecurity Management Regulations, Critical Data Identification Guidelines, Information System Network Access Security Standards, and Industrial Control System Cybersecurity Management Standards*. They are designed to improve the data security guarantee system across management, supervision, technology, and operation aspects, to clarify the responsibility of data security management, to prevent the risk of data security, and to provide guidance and support for the specific implementation tasks.

Strategy

Committed to strengthening cybersecurity and information security, we continue to refine organizational mechanisms, institutional frameworks and management processes. We have systematically built a robust data security protection system, and tightened technical safeguards and real-time monitoring, alongside the full life-cycle data management. In addition, we improve risk prevention and emergency response mechanisms. These efforts enhance our cybersecurity protection capabilities and data governance standards, fortify our cybersecurity and data security defenses, and provide strategic support for our digital transformation.

Impact, risk and opportunity management

CGN Power closely monitors potential risks and emerging opportunities in cybersecurity and data security. Focusing on key areas such as system protection, data governance, emergency response and compliant operations, the Company conducts comprehensive risk identification and dynamic assessments. We take measures to refine cybersecurity and data security management systems, enhance end-to-end security controls, enable routine safety training and emergency drills, and advance security technology upgrades and protection system development. As a result, we have effectively mitigated the operational impact of risks such as cyberattacks and data breaches and explored opportunities to empower digital transformation through advanced security technologies, thereby enhancing our cybersecurity resilience and supporting sustainable development.

During the Reporting Period, we continued to enhance cybersecurity for industrial control systems and strengthen our data security capabilities. By improving risk monitoring, early warning and incident response capabilities, we promoted cybersecurity talent training and support mechanisms, and applied emerging technologies such as artificial intelligence to upgrade our technical protection capabilities, safeguarding our quality development with stronger cybersecurity assurance.

Cybersecurity monitoring

A sensitive data monitoring and data asset management platform has been deployed, supported by a dedicated data security operations team that ensures 24/7 real-time monitoring, auditing, and handling. This system enhances information confidentiality and integrity while effectively preventing internal and customer data leaks.

Emergency response mechanism

The *Cybersecurity Incident Response Plan* has been developed, with annual recovery drills for critical system failures and cybersecurity scenario simulations. We also work with the third party to conduct vulnerability assessments. Employees are encouraged to report sus- picious cybersecurity vulnerabilities through various channels to the designated cybersecurity contact or the secondary security operations center.

Cybersecurity education

Regular information security training is conducted for all employees, utilizing both online and offline methods to educate staff on common cybersecurity risks, preventive measures, and emergency response protocols, and raise their awareness and improve their skills. A company-wide cybersecurity awareness program.

Cybersecurity performance assessment

Information security is included into the scope of the Company's security assessment. Annual cybersecurity assessments are conducted, with assessment results affecting the performance of the Company and employees.

Metrics and targets

Centered on core cybersecurity and data security control requirements, we conduct routine cybersecurity monitoring, upgrade cybersecurity technologies, optimize management processes, and enhance employee security awareness and capabilities. Through these efforts, we strive to promote the standardized, targeted and sustainable management.

During the reporting period, the company did not experience any significant cybersecurity incidents (Level III) or higher information security incidents, nor did it experience any large-scale computer virus infection events. The company effectively ensured the secure, stable, and reliable operation of its networks, communications, and information systems, and prevented information leakage.

100%

employee participation in cybersecurity awareness training and examinations

Technological Innovation

Innovation is the core driver of high-quality development. Pursuing an innovation-driven strategy, CGN Power deepens reform of scientific research systems and mechanisms, and accelerates breakthroughs in key technologies and independent innovation. We strive to achieve continuous upgrading of independent and controllable nuclear power technologies, injecting strong momentum into the development of a safe, efficient, and green advanced nuclear energy system.

Governance

Aiming at an open, collaborative and efficient technological innovation system, the Company refines its strategic research management system. We draw on global best practices in full-cycle management of major product R&D to enhance our lifecycle management of strategic R&D projects and products. To strengthen research management, we have introduced the *Technological Innovation Incentive and Support Measures*, fostering a stronger innovation drive. We issued the *Management Measures for the Application of FirstofaKind (FOAK) Localized Equipment*, ensuring the quality and safety of firsttime applications of key domestically developed nuclear technologies. Two batches of the *Independent Innovation Achievement Catalog* were published, and the first batch of R&D projects underwent postevaluation—further reinforcing an application-driven research approach.

Governance structure for sci-tech innovation

The Party Committee sets direction, oversees the overall situation and ensures implementation.

The President approves the Company's sci-tech management systems. Responsible executives review applications and major changes related to national-level and Group-level R&D platforms, as well as applications for Group-level research projects undertaken by subsidiaries.The Company's Strategy and Technology Advisory Committee serves as an independent professional advisory body for strategic innovation.

The Technology and Digitalization Management Department is responsible for the development of the Company's research system, strategic technology programs, Peak Program, technological self-independence of nuclear power, sci-tech exchanges and cooperation, intellectual property rights(IPR) management, digital management, and cybersecurity management.

Each subsidiary assumes primary responsibility for its own sci-tech innovation activities, undertakes tasks aligned with CGN Power's innovation strategy, plans and organizes sci-tech innovation initiatives, and improves its internal innovation systems and mechanisms.

Strategy

CGN Power follows the path of "Introduction, Digestion, Assimilation, and Innovation." Guided by the principle of "strategic orientation and industry service," we strive to achieve full self-reliance and control of core equipment in key nuclear power fields, and has systematically deployed four key innovation tasks—including specific strategies, technological self-independence, the Peak Program, and digital transformation. Meanwhile, we have established national-level R&D platforms, the China Southern Institute of Atomic Energy (**"the Southern Center"**), and advanced industry-academia-research cooperation, as well as the Digital Nuclear Power initiative. Built on them, we develop a comprehensive science and technology innovation system—providing a solid foundation for continuous independent innovation from third-generation to cutting-edge fourth-generation Hualong One technologies.

We proactively identify and systematically manage potential risks throughout the scitech innovation process. To address uncertainties in R&D, we strengthen full lifecycle management and critical experimental validation. In response to risks such as challenges in achieving technological breakthroughs, underperformance in commercialization, weakened competitiveness, and reliance on external sources for key technologies, we continue to improve system development, talent training, external collaboration, incentive mechanisms, and scientific evaluation systems—enhancing our overall independent innovation capabilities. To address challenges related to rapid technological upgrading and competition, we leverage indepth cooperation with leading institutions and actively participate in the development of international standards to ensure sustained innovation output and efficient commercialization. For IPR risks, we implement a combined protection strategy covering patents and proprietary technologies. For cybersecurity and data security risks associated with AI applications and digital transformation, please refer to the "Cybersecurity and Data Security" section of this chapter.

In terms of opportunity, the self-independence of core technologies provides strong support for national energy security and industrial chain resilience. The successful technologies, such as Hualong One, have enhanced the Company's international competitiveness. With the acceleration of the global energy transition and the advancement of China's 30·60 Decarbonization Goal, advanced nuclear power technologies face broad market opportunities, while breakthroughs in frontier technologies are also expected to foster new industrial growth drivers. For measures to capture these opportunities, as well as progress and outcomes of sci-tech innovation, please refer to this section as well as "Safety Management," "Stable Operation," and "Engineering Exemplar" sections of this Chapter.

Impact, risk and opportunity management

CGN Power actively identifies potential risks and opportunities in technological innovation and conducts systematic reviews and assessments around core technology breakthroughs, R&D applications, and commercialization of outcomes. Guided by its scientific and technological innovation layout, the company relies on scientific and technological innovation platforms, focuses on independent research and development of nuclear power technology, deepens collaborative innovation cooperation, accelerates digital transformation, strengthens intellectual property protection, and builds a comprehensive risk prevention and control mechanism to effectively controls technological uncertainties and market risks during the R&D process. Additionally, we seize development opportunities arising from technological breakthroughs and industrial upgrading to promote the sustained output and efficient commercialization of innovation outcomes and enhance our core competitiveness.

Sci-tech innovation layout

In accordance with the "four-in-one" technological innovation layout, CGN has developed and implemented four key tasks, including the specific strategies, the technological self-independence, Peak Program, and digital transformation.

In pursuit of the world's technological frontiers,we focus on cutting-edge nuclear technologies and technological innovations. We have established the the Southern Center,in the Guangdong-Hong Kong-Macao Greater Bay Area and set up four R&D bases in Shenzhen,Yangjiang, Zhongshan and Huizhou to attract top researchers and sci-tech innovation talents, accelerate key technological R&D and innovation,and continuously consolidate our strength in science and technology.In 2025, the Southern Center steadily advanced the construction of four major R&D sites, with the "one headquarters and four sites" research infrastructure framework taking initial shape. The Longgang Experiment Site in Shenzhen has been completed as an internationally advanced R&D site for pressurized water reactors. It houses more than 50 internationally leading large-scale experimental facilities, providing critical experimental support for the development of new reactor designs such as Hualong One. Committed to becoming a leading center for fourth-generation reactor R&D, the Zhongshan Site Test Facility has deployed nearly 20 high-level research facilities, including comprehensive non-nuclear integrated experimental installations, to meet diversified reactor R&D and validation needs. The Yangjiang Site Test Facility is set to be completed as a nuclear equipment and nuclear fuel R&D center, supporting the construction of nuclear demonstration devices and experimental facilities, as well as the R&D, pilot production, and post-irradiation testing of various new nuclear fuels. The Huizhou Experiment Site is under planning as a new-type reactor experiment site, providing dedicated research support for experimental validation and large-scale development of future advanced reactors.

Platforms of technological innovation

We have established the R&D platform system at state, group and company levels. At present, we have one state-level engineering technology center, one state-level key laboratory and five state-level energy R&D centers. In addition, we have built multiple large-scale advanced laboratories in the industry, including thermal-hydraulic and safety research laboratories and material performance analysis laboratories. The independent R&D platforms are conducive to shortening the commercialization cycle of technological achievements, and improving the maturity, compatibility and engineering level of existing technologies. It also helps accelerate the production technology transformation and promote technological transformation and upgrading. They provide basic technical support for improving R&D capabilities. The platform construction made new progress. They undertook multiple major scientific research projects, produced a series of significant technological achievements, and achieved results in standard development and intellectual property rights. In 2023, we applied for two new national R&D centers, which are currently under active development.

CGN Power's Seven State-level R&D Centers and Key Laboratories	
State Energy Nuclear-grade Equipment R&D Center	State Nuclear Power Plant Safety and Reliability Engineering Technology Research Center
State Energy Advanced Nuclear Fuel Elements R&D (Experiment) Center	State Energy Ocean Nuclear Power Platform Technology R&D Center
State Energy Nuclear Power Engineering & Construction Technology R&D (Experiment) Center	State Energy Nuclear Power Operation and Life-cycle Management Technology R&D Center
State Key Laboratory of Nuclear Power Safety Monitoring	

Innovative R&D of nuclear power technology

Strong technical foundation and independent R&D capability are the keys for CGN Power to achieve high-quality development. We follow the technical guidelines of "Introduction, Digestion, Assimilation and Innovation," and promote the nuclear power technological improvement and independent R&D in line with the technological development roadmap "Leading Plan".

Since the adoption of M310 reactor technology at Daya Bay NPP in the 1980s, we have implemented a series of major technological improvements, including 16 safety enhancements, leading to the development of the independently branded second-generation CPR1000 nuclear technology. In alignment with the latest international safety standards and experience feedback, we have successively implemented 28 and 31 additional safety upgrades, ultimately developing ACPR1000 technology, which incorporates third-generation nuclear safety features. Leveraging over three decades of experience in nuclear power design, construction, operation, and research, CGN Power successfully completed the Hualong One demonstration project and brought it into high-quality operation. This project features a third-generation megawatt-level nuclear reactor technology developed with independent intellectual property rights.

Building on the Hualong One demonstration project, CGN Power continues to refine designs and technical upgrades, ensuring safety while enhancing economic efficiency, technological advancement, and localization of nuclear power equipment.In 2025, we completed the first design-basis accident condition test for the overall containment vessel effect experimental facility of Hualong One Version 2.0. This milestone marks a critical transition from "theoretical design safety" to "experimentally validated safety," providing solid experimental support for the safety and reliability of Hualong One Version 2.0 technology.

As the industry moves toward safer and more cost-effective nuclear technologies, CGN Power is also actively advancing fourth-generation nuclear power development while continuously tracking global advancements in nuclear technology.

Collaborative innovation

CGN Power actively deepens scientific research cooperation, and has established long-term partnerships with domestic and foreign R&D institutions, industry organizations, and universities. We are committed to working together with all parties to promote innovation and tackle industry challenges.

CGN Power maintains good coop- erative relationships with various institutions, including the Chinese Academy of Sciences, China Academy of Engineering Physics, National Natural Science Foundation of China, Tsinghua University, Harbin Institute of Technology,and Commissariat à l'ÉnergieAtomique et aux Énergies Alternatives (CEA). We have built closer ties with them through various channels.

CGN Power has been releasing re- search needs to scientific research institutions across China through the Enterprise Innovation and Development Joint Fund of the National Natural Science Foundation of China. Currently, multiple top domestic teams are working on our fundamental research issues.

CGN Power further promotes technical cooperation, subject co-construction, and talent cooperation with many universities such as Tsinghua University, Northeast Electric Power University, Harbin Institute of Technology, Fudan University and Southern University of Science and Technology.

Digital transformation

CGN Power is accelerating the digital transformation of core businesses, advancing the Digital Nuclear Power initiative, and implementing pilot demonstration projects to enhance plants operations and batch construction efficiency.

During the Reporting Period, we released the *Corporate Structure Blueprint for Nuclear Power Operations (2025 Edition)*, establishing a top-level design framework covering business, data, applications, and technology. We deepened data governance and achieved integrated data aggregation and efficient utilization in human resources, finance and assets, and nuclear energy operations. The high-quality establishment of digital financial transformation scenarios received strong recognition from the SASAC. Furthermore, we launched the Smart Compensation System to enable comprehensive compensation supervision. We also accelerated intelligent applications across R&D, engineering, and operations to improve collaboration efficiency, intrinsic safety, and emergency response capabilities, thereby supporting high-quality nuclear power development.

Strengthen intellectual property right protection

CGN Power attaches great importance to intellectual property right (IPR) protection, and strictly complies with Chinese laws and regulations such as the Patent Law, Trademark Law, and Copyright Law. The Company implements the instructions of key documents such as the *Outline for Building a Strong Country in Intellectual Property (2021-2035)* and the *Guiding Opinionson Promoting the High-Quality Development of Central SOE's Intellectual Property Work*. We also updated our *Intellectual Property Management System and Trade- mark Management Standards* to standardize the activities of creating, using, protecting, and managing IP rights.

Efforts have been made to implement a comprehensive patent and proprietary technology protection strategy, actively registering and certifying proprietary technologies. By leveraging major R&D projects and platforms, the Company enhances the review of technological innovation results, and systematically identifies and secures high-value patents and premium copyrights in key technology fields. Additionally, we promote external licensing of intellectual property, facilitating broader application of our innovations. In the meantime, we continue to expand training programs and publicity initiatives on IPR protection, enhancing IPR awareness of employees.

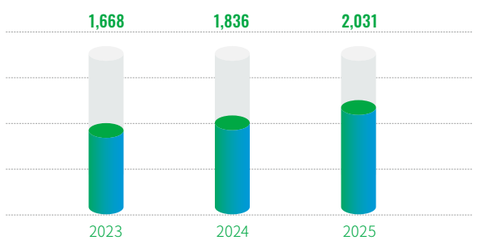
Metrics and targets

CGN Power continues to increase R&D investment to support breakthroughs in key and core technologies and the implementation of major research projects. Leveraging high-level proprietary R&D platforms, we continuously consolidate our innovation capabilities, stimulate innovation vitality, and promote the ongoing emergence of technological achievements.

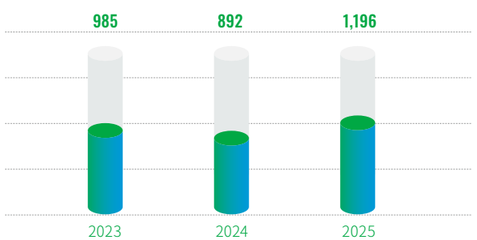
In 2025

RMB 4,063.12 million	5.4%	4,240	18.49%
R&D investment	R&D investment intensity	R&D personnel	Proportion of R&D personnel

Patent applications



Patent authorizations



Case First IEC International Standard led by CGN Design officially released

CGN Design led the development of the International Electrotechnical Commission (**IEC**) standard IEC 63435: *Nuclear facilities – Human-machine interfaces – Operator support system*, which has been officially released. This is the first international standard to systematically establish a unified design framework and technical guidelines for operator support systems (**OSS**) in nuclear facilities. It provides authoritative guidance for the global nuclear power industry in ergonomics and digital applications, significantly contributing to nuclear safety and operational efficiency. The release of this standard marks a major leap for China from "participation" to "leadership" in international standard-setting in this field, filling the gap of the absence of unified international standards for OSS in nuclear facilities and contributing to global nuclear safety.

Honors

CNPRI received **four China Electric Power Science and Technology Awards.**

Ningde Nuclear's project was recognized **with the High-Value Patent (Technology) Achievement Award in the Third Energy and Power Industry High-Value Patent and Technology Commercialization Case Selection.**

Fangchenggang Nuclear's invention patent won **the 2024 Guangxi Patent Award.**

Yangjiang Nuclear was awarded **the Patent Pre-examination Service Workstation designation by the Guangdong Intellectual Property Protection Center.**

Driving Green Development for the 30·60 Decarbonization Goal

Opportunities and Challenges

Amid global efforts to address climate change and accelerate the profound transformation of energy systems, the active development of clean energy has become a core pathway to green and low-carbon economic and social development. With the large-scale application of China's third-generation nuclear power technology and breakthroughs in fourth-generation R&D, nuclear power and comprehensive nuclear energy utilization are embracing broader development prospects—aligned with strategic goals of strengthening energy security, optimizing the energy mix, and achieving the 30·60 Decarbonization Goal and the 2035 Nationally Determined Contributions (NDC). At the same time, continuously improving resource utilization efficiency, enhancing the safe storage and disposal of radioactive waste, and balancing large-scale nuclear power development with technological advancement and ecological protection remain long-term challenges for the sustainable development of the nuclear industry.

Strategies and Decisions

CGN Power fully implements China's carbon peaking and carbon neutrality strategy, promoting high-quality development of nuclear power and diversified nuclear energy applications. The Company actively addresses climate change by strengthening environmental management, deepening pollution prevention and emission reduction efforts, improving resource utilization efficiency, and advancing ecological and biodiversity protection initiatives. Guided by a green development philosophy upheld to higher standards and stronger commitment, we contribute to building a Beautiful China and achieving the 30·60 Decarbonization Goal (to peak carbon dioxide emission by 2030 and achieve carbon neutrality by 2060).

Goals and Progress

Our Goals

- By 2025, comprehensive energy consumption per 10,000 yuan of output value decreased by 15% compared to 2020
- To further reduce the generation of radioactive solid waste across all NPPs, achieving world-class levels in average annual radioactive waste generation per operating unit

Progress in 2025

- 70.4458 million tons of standard coal consumption equivalent reduced by on-grid nuclear power generation and 214.9669 million tons of CO_2 equivalent reduced; 1.5122 million tons of CO_2 emissions equivalent throughout lifecycle of nuclear power, of which subsidiaries accounted for 1.1927 million tons
- The "three wastes" management system of all operating NPPs operated normally, and the total radioactive emissions were far below applicable national regulatory limits

Climate Change

CGN Power deeply embeds climate change response into its corporate development strategy, improves its governance framework, and steadily advances the 30·60 Decarbonization Goal and the implementation pathways. The Company systematically conducts climate risk identification and accelerates the comprehensive nuclear energy utilization, including nuclear power. By continuously enhancing the green and low-carbon performance of construction and operation processes, we provide safe, stable, efficient, and clean energy to support economic and social development and contribute to achieving China's 30·60 Decarbonization Goal on schedule.

Climate governance

CGN Power continues to improve its climate governance framework and information acquisition mechanism to embed climate-related risks and opportunities into corporate strategy and decision-making processes. We conduct regular identification, assessment, and response to climate-related risks and opportunities, and enhance climate change topic management effectiveness through diversified measures, steadily strengthening climate governance capacity and performance.

Climate-related governance architecture

Board of Directors

Climate change, as a material topic, has been incorporated into the discussions, reviews, and supervision of the Board. During the Reporting Period, the Board regularly monitored the latest domestic and international ESG regulatory trends, including climate-related developments. The Audit and Risk Management Committee reviewed proposals on climate-related risks, such as the *Annual Major Business Risk Prediction and Evaluation Report*, Annual Risk Management Evaluation Plan and ESG Report. In January 2026, the committee assessed the Company's 2025 ESG management performance, including climate scenario analysis, based on its review of risk management reports. The Nuclear Safety Committee reviewed relevant proposals within its remit. In addition to reports from both committees, the Board also reviewed the regular safety management report submitted by senior management (including but not limited to climate and environment-related management) and issued corresponding management requirements.

The Management

The President of CGN Power holds the highest responsibility for identifying and managing climate-related risks and opportunities. The President drives the implementation of corporate strategies—including climate and environmental matters—through regular or adhoc meetings with senior management and relevant departments, such as monthly and executive meetings, SQE Committee meetings, Nuclear Safety Committee meetings, and Production Committee meetings.

The Execution

The Risk Management Department is responsible for evaluating, monitoring, and managing climate-related risks, incorporating identified major climate risks into the Company's risk management process and submitting monthly risk monitoring reports to the senior management. Significant risk matters are escalated to the Board for quarterly review. The Strategic Planning and Management Department, in coordination with relevant SQE departments, formulates the Company's carbon peaking and carbon neutrality goals, pathways, and strategies, while promoting the implementation of strategic initiatives and regularly evaluating progress against each goal.

Climate information acquisition

Short-term risks and opportunities

Conduct macroeconomic policy research annually and generate domestic and international outlook reports; track current affairs such as the National People's Congress and the Chinese People's Political Consultative Conference, United Nations Climate Change Conference to compile internal thematic research reports; continuously track industry information on key areas such as project building, technological innovation, and resource security in the nuclear energy industry; publish the Focus To- day weekly and prepare internal research reports irregularly to identify and evaluate opportunities and impacts related to climate change and other issues.

At the Company's business analysis meeting and PBA (Plan, Budget, and Assessment) annual work kickoff meeting, analyze the current development challenges and opportunities.

Medium- and long-term risks and opportunities

Conduct forward-looking research on the five-year plan for the nuclear energy industry every five years. In conjunction with the research work during "15th Five-Year Plan" period and medium- and long- term strategic issues, study the macro situation and industry trends of the development of the nuclear energy industry, conduct in-depth research in multiple fields such as technological innovation, carbon foot- print, resource security, etc., identify medium- and long-term risks and opportunities related to climate change and other issues, and report them to relevant departments.

In addition, conduct a mid-term evaluation two or three years after the preparation of the nuclear energy industry plan to analyze the existing problems in nuclear energy development.

Climate strategy

As the 30·60 Decarbonization Goal and power market reforms deepen, nuclear energy is expected to become a key substitute for traditional high-carbon energy sources. Positioning itself as a clean energy enterprise, CGN Power deeply integrates climate actions into its corporate development strategy, continuously refines its 30·60 decarbonization pathways, strengthens the management of climate-related risks and opportunities, and actively supports the green and low-carbon transformation of the energy structure in China and globally.

CGN Power's decarbonization pathway and strategy

Steadily increasing nuclear power installed capacity, improving the quality and efficiency of unit equipment, and up-grading nuclear energy technology to achieve carbon peaking and carbon neutrality in China.

- Developing nuclear power projects in a safe and orderly manner, accelerating the approval process of projects and expanding the reserve of potential nuclear power plant sites to steadily increase the installed capacity of nu-clear energy.
- Giving full play to the advantages of nuclear power as a clean and low-carbon energy and exploring more possibilities in its comprehensive utilization.
- Steadily upgrading the overall power generation capacity of nuclear power projects, improving refueling outage management to an industry leading level, and strengthening the management of major equipment to enhance re-liability.
- Following the latest nuclear energy technology trend in the world, actively implementing the national strategic requirements, and accelerating the R&D and pilot application of nuclear energy technology.

Climate resilience assessment

In 2025, the Company conducted its first climate scenario analysis. External experts were invited to provide training on climate scenario analysis methodologies. We collected and reviewed internationally recognized mainstream climate scenarios, referenced reports issued by national authorities, and other materials. On this basis, the Company ESG Task Force identified climate scenarios applicable to the Company. Relevant departments were then engaged to identify associated risks and opportunities, assess their impact, probability, and time horizon, formulate response measures, and conduct qualitative analysis of potential financial impact.

The Company conducted climate change adaptation analysis under two representative climate scenarios, a low-emission scenario (RCP2.6) and a high-emission scenario (RCP8.5). The analysis was made based on scientific conclusions from the IPCC Fifth Assessment Report (Climate Change 2014 Synthesis Report) and the subsequent Sixth Assessment Report, National Communication on Climate Change published by China's Ministry of Ecology and Environment, as well as 2035 NDC targets, while taking into account economic, social, and environmental contexts, business characteristics, and geographic distribution.

Climate scenario	Type	Description
RCP2.6	Low-emission scenario	A stringent mitigation scenario in which radiative forcing peaks at approximately 3 W/m² before 2100 and then declines—corresponding to a transition pathway that limits global temperature rise to within 2° C.
RCP8.5	High-emission scenario	A highconcentration scenario in which radiative forcing exceeds 8.5 W/m² by 2100 and continues to rise—corresponding to sustained high greenhouse gas emissions.

The potential impacts and risks of climate change on our business primarily include transition risks associated with the shift toward a low-carbon economy and physical risks arising from climate change.The Company conducts climate resilience assessments under both low-emission (RCP2.6) and high-emission (RCP8.5) scenarios from two dimensions of physical risks and transition risks, taking into account its business layout, geographical distribution, and supply chain characteristics.

Our risk management framework and ten-year safety reviews for NPPs have, in general, incorporated the identification and management of climate-related physical risks. In addition, corresponding arrangements have been made in technology R&D to address extreme climate conditions. Regarding transition risks and opportunities, opportunities remain predominant. Opportunities include actively supporting the safe and orderly development of nuclear power and the comprehensive utilization of nuclear energy under national policy frameworks. The primary risks stem from the batch construction of Hualong One reactors, including challenges to supply chain quality and resilience.

Climate risk identification and response

We identify climate-related risks and opportunities in the short term (0-1 year), medium term (1-5 years), and long term (over 5 years) from three dimensions: physical risks, transition risks, and climate opportunities. We analyze and assess the material impacts of these risks and opportunities on the company's business and finances, and propose corresponding response measures accordingly.

Physical risks

Description	Business impact analysis	Financial impact (assets, revenue, cash flow)	Climate scenarios	Risk level	Time horizon	Response measures /plans
Acute risks: (extreme weather)						
(Super) typhoons or extreme strong winds	The weather may affect surrounding power grids or transmission lines, indirectly impacting the safety and, in extreme cases, leading to reactor shutdown; Wind speed at the plant site may affect shutdown strategies, potentially resulting in active power reduction or reactor shutdown; Severe typhoons may damage plant buildings or critical equipment, leading to power reduction or shutdown for maintenance of varying durations.	Temporary shutdowns or load reductions may reduce power sales revenue and cash inflows. Equipment damage may increase replacement and repair costs, leading to higher cash outflows and potentially affecting solvency	RCP2.6 RCP8.5	Medium	Short term	Establish precise early warning mechanisms; Improve wind speed monitoring and tracking systems at and around plant sites; Develop comprehensive strong wind response plans and optimize pre- and post-event inspections; Identify vulnerabilities in buildings and equipment related to strong wind resistance, especially those affecting safe operations, and progressively enhance resilience standards.
Strong earthquakes	Exceeding seismic shutdown thresholds may result in reactor shutdown; Equipment damage may affect unit availability, potentially leading to power reduction or shutdown for maintenance.		RCP2.6 RCP8.5	Medium	Short term	Strengthen earthquake early warning systems and enhance coordination with seismic authorities to improve information exchange efficiency; Develop sound earthquake response plans and improve post-event inspection procedures to ensure safe restart; Identify seismic vulnerabilities and progressively enhance seismic resistance levels.
Extreme heat / extreme cold	The weather may affect coolant intakes, ventilation systems, and other heat sinks, resulting in power reduction or shutdown; The weather may cause overheating or overcooling damage to equipment and pipelines, leading to power reduction or shutdown for maintenance.		RCP2.6 RCP8.5	Low	Short term	Strengthen climate change monitoring and maintain or update design basis parameters over plant lifecycles; Enhance real-time temperature tracking and implement technical specifications to ensure operation within prescribed limits; Upgrade equipment and facilities vulnerable to extreme temperatures.
Extreme precipitation / flooding	Water levels exceeding intake structure height may affect coolant safety; Extreme precipitation or flooding may result in water ingress into plant buildings, affecting normal operations and, in severe cases, impacting safety-related equipment and causing shutdown; Equipment damage may lead to power reduction or shutdown for maintenance.		RCP2.6 RCP8.5	Low	Short term	Strengthen early warning systems for extreme weather; Monitor flood protection measures for water intakes, plant drainage systems, and building entrances to ensure proper implementation and identify potential vulnerabilities; Improve vulnerabilities related to external flood protection.
Chronic risks						
Changes in precipitation and extreme weather pattern fluctuations	Inadequate drainage may result in internal flooding, potentially spreading into plant buildings and affecting normal unit operations; in severe cases, safety-related equipment may be impacted, leading to reactor shutdown; Extreme weather fluctuations, such as lightning and strong winds, may damage equipment, resulting in power reduction or shutdown for maintenance.	Increased investment in monitoring and protective facilities may lead to higher operating and maintenance costs as well as capital expenditures	RCP2.6 RCP8.5	Low	Long term	Strengthen climate change tracking and maintain or update design basis parameters throughout plant lifecycles; Enhance meteorological observation and forecasting, and ensure effective implementation and inspection of contingency plans; Closely monitor unit conditions, improve intelligent operation and maintenance capabilities, and respond promptly to weather-related risks.
Rising average land and sea temperatures	Rising temperatures may affect coolant intakes, ventilation systems, and other heat sinks, leading to power reduction or shutdown; Rising temperatures may cause overheating or overcooling damage to equipment and pipelines, resulting in power reduction or shutdown for maintenance.		RCP2.6 RCP8.5	Low	Long term	Strengthen climate change tracking and maintain or update design basis parameters throughout plant lifecycles; Enhance real-time temperature monitoring and implement technical standards to ensure operational limits; Improve equipment and facilities with vulnerabilities to extreme temperatures.
Sea level rise	Sea level rise may affect the safety of coolant intakes; In extreme cases, water levels may exceed design basis elevations, resulting in flooding events that may extend into plant buildings. This may affect normal operations, and, in severe cases, impact safety-related equipment and cause shutdown.	Strengthening wave protection and flood defense facilities may cause additional capital expenditures	RCP2.6 RCP8.5	Low	Long term	Strengthen hydrological monitoring and conduct lifecycle projections of sea level-related elevations; where necessary, raise the height of wave protection facilities or plant entrances; Improve unit contingency plans and ensure timely execution of response measures.
Biodiversity loss	Proliferation of certain species may increase cooling source safety risks; Stricter environmental impact assessment approval processes and increased ecological emergency responses during operation may affect project commissioning.	Increased environmental protection investment	RCP2.6	Low	Medium	Apply a tiered protection framework, featuring a layered ecological risk prevention and control mechanism with full life-cycle coverage; from source avoidance to end-of-pipe restoration, define protection measures according to risk level and project stage to enable closed-loop management that minimizes impacts on biodiversity
		Significantly increased environmental protection investment	RCP8.5	High	Long term	Upgrade to a "proactive restoration + emergency prevention and control" dual system. Establish a cross-regional ecological joint monitoring network; stockpile ecological emergency plans for extreme climate events.

Transition risks

Description	Business impact analysis	Financial impact (assets, revenue, cash flow)	Climate scenarios	Risk level	Time horizon	Response measures /plans
Policy and regulation						
Environmental / carbon disclosure risk	Regulators may impose enhanced mandatory disclosure requirements. A lack of historical data may affect the accuracy of reported information.	Increased management costs	RCP2.6 RCP8.5	Low	Medium	Stay abreast of the latest regulatory requirements; Strengthen businessfinance coordination to clearly define statistical boundaries.
Technology						
Higher technical requirements for suppliers	To achieve goals of carbon peaking and carbon neutrality, higher technical standards are required for low-carbon manufacturing processes, green materials, and digital and intelligent operation and maintenance.	Increased procurement costs	RCP2.6	Low	Long term	Tighten ESG collaboration with suppliers; develop and improve green supply chain management strategies; enhance supplier risk assessment and inventory management.
	As climate change intensifies, higher requirements will be placed on equipment reliability because the current technical capacity of equipment suppliers may not fully meet these demands.		RCP8.5	Medium	Long term	Improve disaster-resilient technical standards and management measures for equipment to enhance reliability; Establish comprehensive high-quality supply chain management strategies and strengthen supplier risk assessment and inventory management; Incorporate climate-related factors into supplier risk assessment frameworks and develop joint contingency plans to address climate challenges.
Market						
Supplier resource constraints	Accelerated global low-carbon transition intensifies competition for market and technological resources. High-quality suppliers with green manufacturing capabilities may become scarce resources.	Increased procurement costs	RCP2.6	Low	Long term	Establish long-term partnerships with core suppliers to jointly address transition risks; Reduce reliance on single suppliers to enhance supply chain stability.
	Climate transition may weaken certain suppliers' resource assurance capacity; Disruptions in any segment of the supply chain may lead to shortages of critical resources.		RCP8.5	Medium	Long term	Increase the number and geographic diversification of suppliers to reduce reliance on single sources; Build long-term cooperation mechanisms with core suppliers to address climate transition risks; Collaborate with technologically advanced suppliers to drive innovation and strengthen the capability to address climate challenges through technological solutions.
Raw material cost increase	Rapid development of the nuclear power industry may lead to tighter uranium supply.	Increased raw material procurement cost	RCP2.6 RCP8.5	High	Medium	Strengthen market analysis and judgment, maintain close communication and coordination with relevant stakeholders, and actively respond to market changes; Secure and perform medium- and long-term contracts to mitigate risks; Conduct research on high-burnup fuel assemblies to increase burnup limits and improve resource utilization efficiency.
Reputation						
Negative events in the nuclear power industry	With the rapid development of the nuclear power industry, the probability of risks related to project construction, operation, natural disasters, and industrial safety may increase. For example, negative events affecting the industry or individual nuclear power enterprises may attract public attention.	Enhanced safety requirements may lead to increased costs; costs associated with public communication may also rise	RCP2.6 RCP8.5	High	Long term	Strengthen identification and management of potential public opinion risks at the source; standardize information disclosure and enhance coordination across the upstream and downstream industrial chain and partner organizations; Establish standardized public opinion management requirements across different scenarios; Enhance routine monitoring and assessment, implement prompt response measures, and establish a coordinated mechanism linking public communication and issue resolution.

Climate opportunities

Description	Business impact analysis	Financial impact (assets, revenue, cash flow)	Climate scenarios	Opportunity probability	Time horizon	Response measures/plans
Energy source						
Lowest carbon footprint with long-term, stable energy supply capacity among power generation technologies	This opportunity offers a cost advantage under carbon pricing mechanisms and in green power trading. In the context of power market reform, low-carbon attributes can be translated into premium pricing capability or eligibility for subsidies. Meanwhile, high energy density and stable baseload characteristics support lower unit electricity costs and higher utilization hours, thus enhancing long-term economic performance.	Stable power sales revenue	RCP2.6 RCP8.5	Medium	Long term	Promote the inclusion of nuclear power in the green certificate scheme and draw on international practices to clarify its green attributes; Strengthen scientific communication of nuclear power's low-carbon benefits based on lifecycle carbon emission data to address public perception gaps; Ensure safe and efficient operation of existing units and high-quality advancement of projects under construction to enhance nuclear power's stable supply capacity within the new power system.
Development of a new national energy system requiring "developing nuclear power in an active, safe, and orderly manner"	The policy of "developing nuclear power in an active, safe, and orderly manner" has been incorporated into China's *Energy Law*, providing legal support for nuclear power development; China is in a key period of nuclear power development, supported by clear policies and a steady construction pace of nuclear power projects. The focus is on coastal areas near load centers while strengthening site resource protection and reserves.	Steady growth in asset and revenue	RCP2.6 RCP8.5	High	Long term	Closely monitor policy developments and strengthen overall planning and coordination; continuously improve the quality of preliminary project work; seize the strategic opportunity and advance new project approvals, site planning inclusion, and related preparatory work.
Products and services						
Expansion of nuclear energy application scenarios	Nuclear energy can be expanded into industrial heating and steam supply, seawater desalination, hydrogen production, and other applications, creating broader development opportunities.	More diversified revenue streams and enhanced income stability	RCP2.6 RCP8.5	High	Long term	Promote the integration of nuclear heating and steam supply into regional and urban energy planning to facilitate project implementation; Clarify cooperation mechanisms between nuclear energy enterprises and pipeline network enterprises; Adopt joint operation models to share risks and benefits, enhancing stakeholder participation.
Increased demand for stable and reliable power supply due to the advancement of economy-wide electrification and the growth in demand for computing power	Increased electrification across society and expansion of data centers directly drive higher power demand.	Stable power sales revenue	RCP2.6 RCP8.5	High	Medium	Continuously enhance equipment reliability to ensure safe and stable unit operation without unplanned outages or load reductions; Optimize overhaul through the application of new technologies and processes, reduce planned downtime, and increase power generation windows.
Market						
Strict qualifications for the nuclear energy industry	Participation in nuclear energy activities requires multiple qualifications and approvals from relevant national authorities.	Steady growth in assets and revenue	RCP2.6 RCP8.5	Medium	Medium	Continuously strengthen nuclear safety capability building, fully implement nuclear safety responsibilities and ensure technical capabilities and management systems comply with national standards and requirements.
Green finance policy support	The policy support may significantly increase access to green bonds and preferential loans.	Lower financing costs and reduced overall project construction costs	RCP2.6 RCP8.5	High	Medium	Track the implementation scope of green finance policies and actively communicate with financial institutions.

Promoting energy transition

Developing clean energy

Guided by the national policy of "developing nuclear power in an active, safe, and orderly manner", CGN Power has systematically planned and advanced major nuclear energy projects. In April 2025, Taishan Phase II project and the Fangchenggang Phase III project received national approval. In parallel, the Company selected a number of coastal sites in Guangdong, Shandong, Guangxi, etc., and submitted applications for inclusion in relevant national plans. These efforts provide strong support for safeguarding national energy security and promoting green and low-carbon economic and social transformation during the 15th Five-Year Plan Period(2026-2030). As of the end of 2025, we managed 28 operating units with a total installed capacity of 31,838 MW. Annual ongrid nuclear power generation reduced standard coal consumption by approximately 70.4458 million tons and CO_2 emissions by around 214.9669 million tons compared to coalfired power generation. 1.5122 million tons of CO_2 emissions equivalent throughout lifecycle of nuclear power. In addition, the Company managed 20 nuclear power units under construction, with a total installed capacity of 24,222 MW.

Comprehensive utilization of nuclear energy

CGN Power capitalizes on clean energy opportunities by championing the comprehensive utilization of nuclear power. We bolster nuclear power's responsiveness to market fluctuations, accelerate new site development, and drive industrial integration. These efforts are pivotal in building a modern national energy system and achieving global climate goals.

Orderly advancing key heating projects. The Hongyanhe Town heating demonstration project has operated stably throughout its fourth heating season. The Wafangdian heating project is gaining momentum, and the Shandong nuclear heating project is progressing in strict synchronization with the commissioning schedule of its associated generating units.

Identifying initial steam supply demands. The Company has successfully secured preliminary commitments for nuclear steam supply in both Guangxi and Fujian provinces.

Pioneering comprehensive nuclear energy utilization. The Company drives innovation across technologies, products, and business models to unlock new growth pathways. We are actively diversifying integrated application scenarios, including energy storage, seawater desalination, and the synergistic "nuclear power + computing centers" model.

Deepening energy conservation and carbon reduction

Establishing robust energy conservation and carbon management systems

We formulate and continuously refine policies dedicated to energy conservation and carbon reduction, strictly implement energy-saving reporting requirements, strengthen online energy consumption monitoring systems, and fortify our energy metering and information disclosure frameworks. Meanwhile, we are are developing supporting mechanisms covering low-carbon management, carbon emission monitoring, efficiency retrofits, green supply chain management, and performance-based incentives to enhance refined and full-process management of energy use and carbon emissions.

Providing energy conservation consultation and diagnostic services

We regularly conduct energy audits, energy-conservation diagnostics, energy efficiency diagnostics, and energy efficiency benchmarking, alongside the full-process evaluations of energy efficiency and usage management. We tap into the potential for energy conservation, efficiency improvement as well as emission and carbon reduction. Systematic solutions are then proposed for energy optimization, efficiency retrofits, and carbon management.

Conducting operational energy management

We apply green and low-carbon processes and advanced technologies to upgrade the energy efficiency of main energy consuming equipment and auxiliary equipment such as motors, pumps, compressors, transformers, heat exchangers. Moreover, we optimize production, operation and maintenance(O&M) processes alongside control logic to promote comprehensive utilization of waste, cascading use of energy, and water recycling, and advance the resource recovery of industrial residual pressure, waste heat, exhaust gas, wastewater, and solid residues.

Saving energy in offices and living areas

We intensify comprehensive energy-saving retrofits of office and residential buildings to improve energy efficiency and reduce building energy consumption and carbon intensity. Upgrades are carried out on building envelope thermal performance, as well as on power supply, lighting, elevators, air conditioning, and other systems—supported by intelligent control technologies to ensure efficient operation. We also promote the low-carbon transition of service vehicles, gradually replacing fuel-powered vehicles with new energy vehicles where feasible. In addition, the electrification of kitchen equipment is advanced to reduce carbon emissions from catering services.

Strengthening carbon management for purchased electricity

We carry out energy-saving and carbon reduction campaigns in areas relying on purchased electricity to raise employee awareness. Energy management of power-consuming equipment—such as air conditioning and lighting—is strengthened, while the potential for renewable energy applications is actively explored to increase the share of clean energy. Distributed photovoltaic systems (self-generation and self-use), solar water heating, and solar streetlights have been installed in these areas. These efforts help reduce purchased electricity consumption and lower indirect GHG emissions.

Diversifying energy conservation promotion

Our diverse environmental awareness and training initiatives are designed to strengthen our energy conservation and carbon reduction efforts. Leveraging opportunities such as National Energy Conservation Publicity Week, we mobilize employees to actively participate and enhance awareness of resource conservation, environmental protection, and ecological responsibility. At the same time, we advocate green commuting and low-carbon lifestyles, encourage the purchase of energy-efficient and eco-friendly products, and promote waste sorting and resource recycling. Best practices and exemplary models in energy conservation and carbon reduction are also summarized and shared.

Impact, risk and opportunity management

CGN Power continuously monitors requirements from both domestic and international regulatory authorities regarding climate change-related risk management, and has identified this as a core topic closely linked to regulatory compliance and production operations, ensuring that climate risk management is deeply integrated with the Company's overall strategy and operational management.

We actively promote the monitoring and management of climate risks. The analysis, identification, and improvement measures related to impacts, risks, and opportunities are implemented by different functional departments and business departments, and subsidiaries. These will undergo hierarchical report and review required by the risk management system and the strategic planning and business plan management system. The strategic plan and business plan approved by the Board of Directors already include but are not limited to strategies and measures to address climate risks and opportunities.

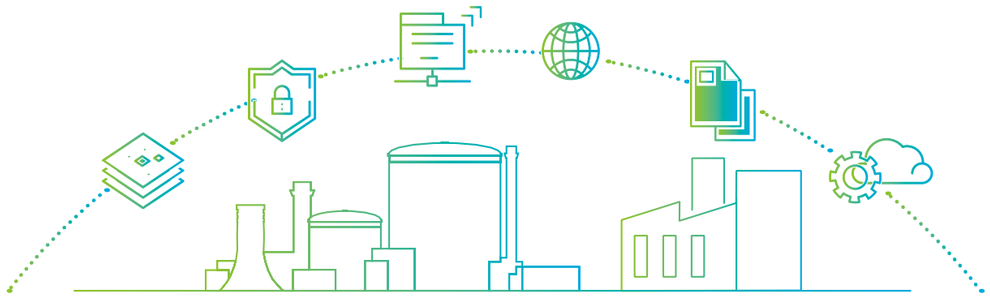
Climate-related risk management mechanism

Risk management

- The subsidiaries review major risks next year, including climate-related major risks, and produce a major risk assessment report. The headquarters departments review special risks such as SQE, production, engineering construction, and financial management, including but not limited to climate risks.
- We assess various risks from two dimensions, including impact and possibility to form the list of major risks next year. We formulate annual control objectives and response measures. These items will be reviewed by the risk management group meeting and budget review group meeting, and then will be submitted to the Company for approval.

Risk dynamics tracking and reporting

- Regularly convene risk management team meetings, track major risk control situations on a monthly basis, generate risk monitoring reports, and submit them to management executives.
- Important risk matters, including climate-related major risks, shall be submitted to the Board of Directors for review on a quarterly basis.



Metrics and targets

Climate change goals

Short-term goals

By 2025, the comprehensive energy consumption of output value per 10,000 yuan will be reduced by 15% compared to 2020. To improve energy conservation and carbon reduction systems and to achieve internationally advanced levels in energy efficiency and carbon emission control, thereby providing strong support for the achievement of the 30·60 Decarbonization Goal.

Medium-term goals

By 2030, the comprehensive energy consumption of output value per 10,000 yuan will be 20% lower than that of 2020; the overall energy consumption and major pollutant emissions will be at the industry-leading level, and other emission index- es will be lower than the national limit value.

Long-term goals

The overall energy efficiency and performance of major pollutant emissions are at the world's advanced level. Employees' awareness of energy conservation and environmental protection will be greatly improved, becoming an industry benchmark.

In 2025, CGN Power significantly improved its energy utilization efficiency, and made substantial strides in the R&D, promotion and application of green and low-carbon technologies. Our comprehensive energy consumption per 10,000 yuan of output value achieved the above short-term goals. Energy conservation and carbon reduction systems were further strengthened, with energy efficiency and carbon emission control reaching internationally advanced levels, providing strong support for the achievement of the 30·60 Decarbonization Goal.

Carbon reduction across CGN Power

Since nuclear power is clean, its generation only produces a very small amount of greenhouse gases. In order to ensure safe operation, each NPP is equipped with the redundant system and backup power sources such as emergency diesel engines. Daily tests consume energy and vehicles used in the construction and operation of NPPs and the daily operation of each subsidiary also require diesel and gasoline.

The carbon dioxide equivalent(CO_2e) (Scope 1) emitted from the use of diesel and gasoline by the Company and its major subsidiaries in 2024 and 2025 are shown in the following table:

Year	Diesel consumption (10,000 tons)	Gasoline consumption (10,000 tons)	CO_2e (Scope 1) (ton)
2024[20]	1,386.43	116.01	4,631.58
2025	1,611.84	156.83	5,448.85

[20] The 2024 data includes the newly acquired companies in 2025, and the diesel and gasoline consumption of these companies for that year was zero.

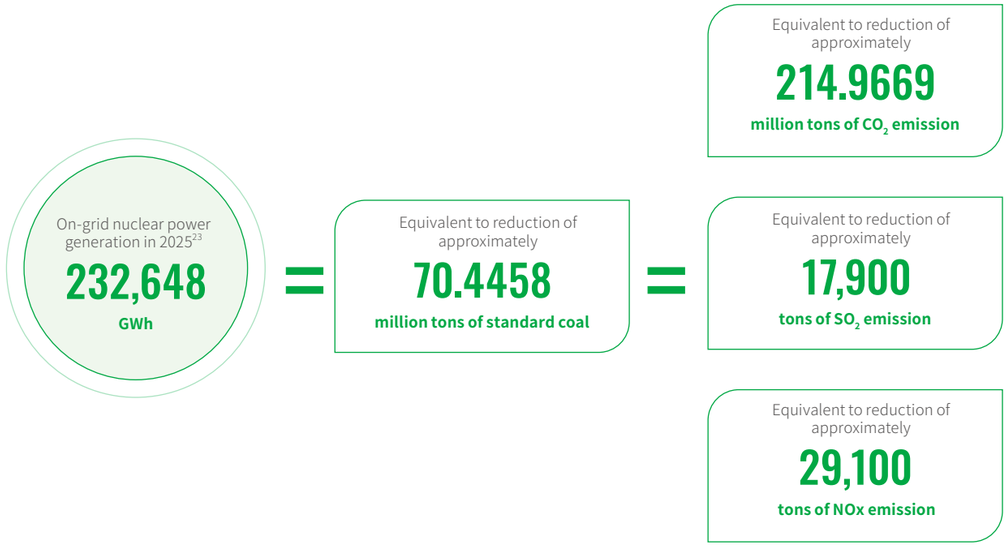
Emissions of indirect greenhouse gases, mainly come from purchased electricity for project construction, refueling outages, and offices, and living areas. Starting from 2023, the carbon emissions of purchased electricity were reduced by purchasing nuclear power, green electricity and green certificate.

In 2024 and 2025, the total amount of electricity, purchased non-clean electricity (excluding purchased nuclear power, green electricity, and green certificates), and the carbon dioxide equivalent generated by non-clean electricity (Scope 2) purchased by the Company and its major subsidiaries in 2024 and 2025 are shown in the following table:

Year	Total amount of purchased electricity (MWh)	Total amount of purchased non-clean electricity	CO_2e (Scope 2)[21] (10,000 tons)
2024 年	40,491[22]	2,241	1.87
2025 年	41,638	3,209	2.65

In October 2025, relevant Chinese regulatory authorities issued the *Notice on the Release of 2024 Electricity Carbon Footprint Factor Data*, in which the carbon footprint factor of nuclear power covers the entire life cycle of nuclear fuel front-end, construction, operation and maintenance, decommissioning, and nuclear fuel back-end. Calculated based on the carbon footprint factor, the CO_2 equivalent generated by subsidiaries' on-grid electricity in 2025 was 1.1927 million tons. Scope 3 emissions of the Company and its major subsidiaries are calculated as the difference between the aforementioned CO_2 equivalent and the sum of Scope 1 and Scope 2 emissions. Among the 15 Scope 3 categories, the Company was not involved in Categories 11 to 15. Emissions related to Category 6 (business travel) and Category 7 (employee commuting) accounted for less than 0.2% of the total emissions from other applicable categories and were therefore not separately calculated or converted. Accordingly, in 2025, Scope 3 emissions of the Company and its major subsidiaries in 2025 amounted to 1.1607 million tons of CO_2 equivalent.

Carbon reduction across society



[21] It's calculated based on the carbon dioxide emission factor of electricity produced by fossil energy released by the Ministry of Ecology and Environment in December, 2024 and December, 2025.

[22] The company acquired 5 new nuclear power project companies in 2025, and the 2024 data has been updated accordingly.

[23] The scope of data statistics includes associates.

Environmental Management System

CGN Power strictly abides by Chinese environmental laws such as the *Environmental Protection Law*, the *Law on Prevention and Control of Radioactive Contamination*, the *Atmospheric Pollution Prevention and Control Law*, the *Nuclear Safety Law*, as well as local regulations. Guided by the principles of green development, we continuously refine our internal environmental management systems. Our goal is to ensure the synergistic advancement of ecological protection and high-quality corporate growth.

Environmental management policy

Following the principles of "regulatory compliance, resource conservation, pollution prevention, and continuous improvement", we regard ecological stewardship as a core mission essential to sustainable development. Accordingly, we rigorously uphold our environmental commitments throughout all nuclear power plant operations. We minimize resource consumption and pollutant emissions to prevent environmental incidents. Moreover, we continuously improve and disclose our environmental performance and accept oversight from investors and the public. These efforts underpin the high-quality development of the nuclear power sector. In 2025, CGN Power published the *Statement on Ecological Protection Policy* on our official website. The full text of the Statement is available on the Company's website under "Investor Relations — ESG — ESG Policy Statements".

Environmental management policies

Protecting the environment with prevention prioritized

Strictly abide by relevant laws and regulations on national environmental management, implement preventive measures such as front-end control to protect the environment, and strive to prevent environmental pollution.

Reducing energy use and emissions in a technology-driven manner

Prioritize the use of innovative technological means to reduce resource or energy consumption.

Reducing emissions with all members engaged

On the premise of complying with relevant national environmental management laws and regulations, actively promote the participation of all staff and continuously reduce pollutant emissions.

Achieving harmonious development that benefits humankind

Coordinate development with the environment, and achieve harmonious development between humans and nature that benefits future generations.

Environmental management mechanism

Organizational structure

The Chairman holds primary responsibility for environmental management across the Group, while the President serves as the chief executive lead. Senior management members retain leadership oversight for environmental matters within their specific business units.

The Chairman of each subsidiary holds primary responsibility for environmental management and ensures that adequate resources are provided for the effective operation of the environmental management system. Executives in charge of relevant functions bear leadership accountability for environmental management in their respective domains.

CGN Power's SQE Department serves as the Group's centralized environmental management function. It leads the implementation of national laws, regulations, and policy requirements, formulates and promotes internal rules and work plans, and conducts supervision and inspections on the compliance and effectiveness of environmental management systems across subsidiaries.

Environmental Management Regulations

In strict accordance with ISO 14001 standards and the requirements of national laws and regulations, CGN Power continuously improves the environmental management system and strengthens environmental management policies, integrates environmental management into production management, and ensures that safety, business, and environmental goals can all be achieved simultaneously.

1+1+1+N Environmental Management System	
1 diagram	Overall layout diagram of top-level design for environmental management
1 plan	Special SQE plan during the 14th Five-Year Plan Period
1 policy	Environmental management policy
N procedures	*The Implementation Rules for Environmental Management Policy, the Management Measures for Energy Conservation and Carbon Reduction, the Management Regulations for Classification and Information Reporting of Ecological Environment Events, the Management Standards for Risk Identification and Hidden Danger Investigation of Important Environmental Factors, and the Management Regulations for Environmental Protection Supervision and Inspection of Nuclear Power Plants*

Environmental management network

NPPs and major subsidiaries under CGN Power have established a network with designated departments and full-time personnel for environmental management. We improve various environmental management systems with relevant manuals formulated, and coordinate efforts across the entire organization.

Certification

All NPPs of CGN Power obtained **the ISO 14001 environmental management system certification**

Information reporting

We have established a regular environmental information reporting mechanism and developed classification standards for environmental incidents, which have been incorporated into performance assessments.

Supervision and inspection

Based on our annual supervision and inspection plans, we conduct comprehensive SQE inspections and specialized environmental protection inspections with follow-up tracking of corrective actions.

Emergency management

We have prepared and filed emergency response plans for environmental incidents. Emergency drills and exercises are strengthened to mitigate compliance risks and enhance emergency response capabilities.

Environmental risk management

Identification and Evaluation Process of Environmental Factors

Given changes in national laws and regional regulations, CGN Power regularly identifies and controls environmental factors at each NPP every year. Based on the business characteristics and the scope of influence of activities, each NPP department determines its identification and evaluation unit of environmental factors, including four units such as personnel, equipment, work activities. For each unit, environmental factors from eight dimensions such as atmosphere, water, raw materials, natural resources, and land (see the table below) are identified and evaluated.Each NPP regularly identifies environmental factors and associated risks, with updates triggered by significant changes in processes, equipment, facilities, or organizational arrangements. Each NPP department then assesses the impact of identified environmental factors and determines their risk levels. They screen out important environmental factors, and develop targeted control measures based on the principle of "eliminating risks + reducing risks +emergency plans". Those measures are implemented through a combination of management measures, technical measures, and daily training and education. During this Reporting Period, environmental impact assessments, feasibility studies, marine use and other environmental protection related work were carried out for new projects such as Huizhou Phase III Project, Lufeng Unit 3 and 4, and Cang Nan Phase III.

Identification and Evaluation Process of Environmental Factors

Determine the identification and evaluation unit of environmental factors in departments	Identify and evaluate the environmental factors of each unit
Personnel (all personnel entering the workplace, including employees, contractors and visitors)	Discharge to the atmosphere
	Discharge to water
Equipment (including all construction equipment, facilities and related equipment)	Discharge to land
	Use of raw materials and natural resources
Work activities (including normal operation activities and temporary tasks)	Energy use
	Energy release
All workplaces and environment (including office space and project construction site)	Generation of waste or by-products
	Use of space

Environmental risk classification

All subsidiaries are required to adopt scientific and reasonable methodologies to conduct quantitative or qualitative assessments of risks associated with identified hazards. Based on assessment results, risks are classified into different levels and managed accordingly, with higher-risk items subject to stricter and higher-level control measures.

According to the identification, assessment, and classification of significant environmental risks, each subsidiary integrates various types of risk information to establish a classified inventory of significant environmental risk sources. These are incorporated into the Group's environmental risk map for dynamic management. In managing large-scale environmental risk data, we digitize environmental risk inventories and hazard lists using information technology tools—replacing paper-based records to avoid formalistic and static management—and establish a dynamically updated environmental risk map. At the same time, we integrate monitoring data for major risks into the information platform. These efforts enable automated analysis and intelligent early warning through information systems.

Responding to Environmental Emergencies

Responding to environmental incidents is also a key focus of environmental protection work. All NPPs and major subsidiaries of the Company have developed environmental management-related procedures and the *Emergency Response Plan for Sudden Environmental Incidents*, filed these with local governments as required, regularly conduct drills and exercises, continuously improve plan revisions, and consistently enhance their capabilities to respond to and handle environmental emergencies.

Environmental management goals

CGN Power adopts a three-step approach to environmental management: address weaknesses and strengthen foundations; ensure implementation and drive improvement; set benchmarks and build a leading brand. Our specific goals include: 1) to achieve a 15% reduction of comprehensive energy consumption per 10,000 yuan of output value compared with 2020 levels; 2) to achieve industry-leading performance in overall energy consumption and key pollutant indicators, and to ensure that other emission indicators remain below applicable national limits.

Environmental management indicators include the comprehensive energy consumption per 10,000 yuan of output value and avoidance of environmental incidents subject to administrative penalties at or above the prefectural/municipal level. Achievement of these goals is supported through goal-oriented management, organizational oversight, performance-based assessments, process supervision, coordinated implementation, and guidance for improvement.

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environmental violation

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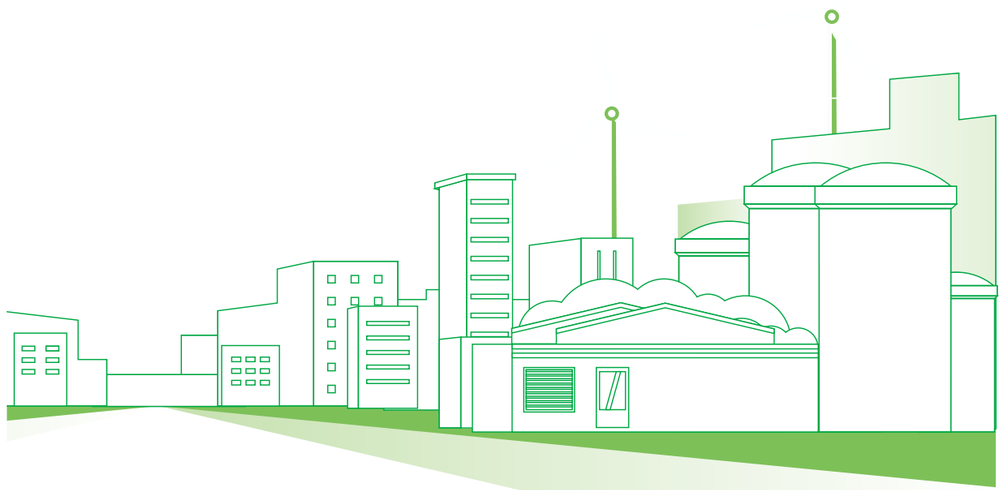
environmental penalty from to 2022-2025

In 2025, all environmental protection facilities of CGN Power operated in compliance with regulatory standards, and all pollutants were discharged within permitted limits.



Radioactive Materials Management

CGN Power regards radioactive materials management as a core component of safe nuclear power operations. A full-process management system has been established to implement closed-loop control over the generation, storage, transportation, use, and disposal of radioactive materials. Through these efforts, we promote the minimization, safe handling, and resource utilization of radioactive waste, safeguarding personnel health and the surrounding environment.

Governance

We strictly comply with the requirements of laws, regulations and industry standards, such as, the *Law of Prevention and Control of Radioactive Contamination*, *Nuclear Safety Law*, *Regulations for Safe Radioactive Waste Management*, *Regulations for Environmental Radiation Protection of Nuclear Power Plant (GB 6249-2011)*, and *Technical Requirements for Discharge of Radioactive Liquid Effluent from Nuclear Power Plant (GB 14587-2011)*. Built on our systematic mechanism for the control and disposal of radioactive waste, we continuously strengthen the safety management of radioactive waste and effectively reducing its environmental impact.

The radioactive materials management follows the requirements of the Company's environmental management system. Please refer to the "Environmental Management System" section for details.

Strategy

CGN Power comprehensively identifies risks associated with radioactive materials management, and implements strict control measures to prevent potential impacts on nuclear safety, environmental safety, and operational compliance. We have developed an *Action Plan for Radiation Safety Management Improvement*, implementing key measures of our 2021–2025 plan in the field of radioactive waste. Through technological breakthroughs and management optimization, we advanced the source control of radioactive solid waste and the application of volume reduction technologies across nuclear power plants. We have achieved the radioactive solid waste produced by a single gigawatt-level unit of less than 25 m^3 during 2021–2025. We achieved radioactive solid waste output of less than 25 m^3 per gigawattlevel unit per year during the 2021–2025 period. A technical pathway has been developed to further reduce this to below 15 m^3 per unit per year by 2030 for all operating nuclear power plants. The design of the "Hualong One" radioactive waste system has been optimized, promoting technical research and application to reduce solid waste during the engineering design phase. This ensures that radioactive waste generated during operation is properly managed and safely disposed of—minimizing the environmental impact of plant operations.

Radioactive waste reduction management

The operation and production activities of NPPs will produce solid, liquid and gaseous wastes (**"three wastes"**). Following the basic principles of radioactive substances management - ALARA (As Low As Reasonably Achievable), we have established a waste management organization structure, and formed a complete set of three wastes control and treatment mechanisms throughout the plants' production and operation.

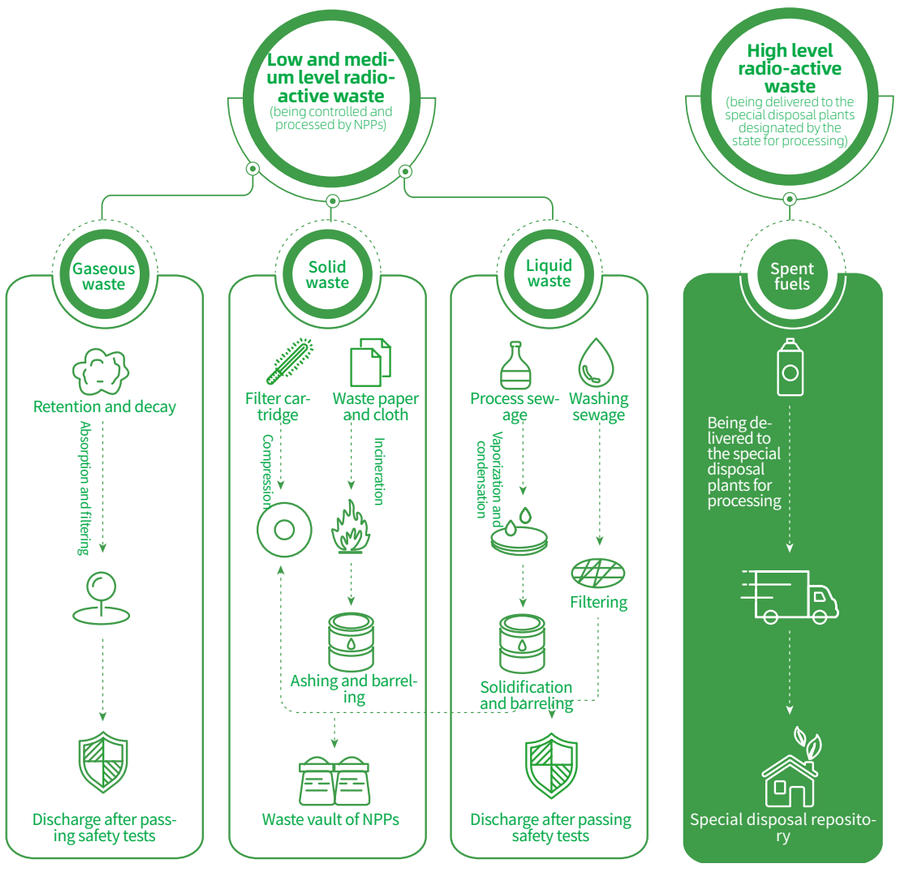
We continue to minimize radioactive waste generation. In addition to strict compliance with domestic regulations, we benchmark against radioactive solid waste levels in other major nuclear energy countries and set long-term waste reduction goals accordingly. We have developed action plans to improve radiation safety management. We implement key radioactive waste reduction measures outlined in our 2021-2025 plan, advancing source control and volume reduction technologies across nuclear power plants through technological breakthroughs and management optimization. As a result, radioactive solid waste output per gigawatt-level unit was kept below 25 m^3 in 2025, with emissions remaining far below national regulatory limits.

Radioactive waste reduction technology

We have formulated a work plan, organized benchmarking research, and developed a technical plan for a gigawatt-level unit with an annual solid waste production of less than 15 m^3 by 2030 for each operating nuclear power plant. The design of the "Hualong One" radioactive waste system has been optimized, promoting technical research and application to reduce solid waste during the engineering design phase. We also signed a contract with qualified enterprises to ensure smooth transportation and disposal channels for combustible waste from the plants.

Each power plant is equipped with advanced facilities for treatment of radioactive waste. The chart below outlines the treatment of each radioactive waste. According to relevant national regulations, spent fuel (used fuel assembly taken from reactors) is a highly radioactive waste, which cannot be disposed of by the NPP itself, and must be sent to a designated special disposal plant for further treatment in line with the unified arrangement by the country. After treatment, most of the spent fuel can be reused. The "three wastes" management system of each plant has been designed, constructed and put into operation simultaneously with the main body construction. The whole process of storage, transportation and disposal of radioactive waste strictly follows the relevant provisions of national laws and regulations.

Radioactive Waste Treatment Process



To address the need for minimization and safe treatment of radioactive waste at NPPs, in 2025, CGN continued to promote radioactive waste minimization. By strengthening source control, implementing volume reduction processes, and improving radioactive waste management levels, the annual production of radioactive waste across all plants in 2025 did not exceed 25 m^3 per reactor per year, achieving the "minimization" goal for radioactive waste during the "14th Five-Year Plan" period.

Impact, risk and opportunity management

The Company conducts annual environmental factor identification and control—including radioactive materials management—each year. Relevant departments at each NPP assess the risks associated with identified factors, determine their risk levels, and formulate targeted control measures based on the principle of "eliminating risks + reducing risks + emergency plans." These measures are implemented through a combination of management actions, technical solutions, and daily training and education.

The management of radioactive material risks follows the Company's environmental management system requirements. For details, please refer to the "Environmental Management System" section.

Metrics and targets

Radioactive waste management targets

To reduce the generation of radioactive solid waste, CGN Power not only follows domestic laws but also tries to benchmark against radioactive solid waste levels in other major nuclear energy countries. We also set long-term waste reduction goals and clarify the pathway to achieve them.

2021–2025 and Medium to Long-Term Targets

Further reduce radioactive solid waste output across nuclear power plants, with the average annual generation per unit reaching worldclass levels.

Implementation Pathways

We analyze the generation of radioactive solid waste across nuclear power plants from a lifecycle perspective and define volume reduction processes for different waste categories. Key initiatives, including external incineration of radioactive solid waste, digital transformation of management processes, upgrading of concentrate treatment processes, and compaction of high-dose-rate waste cartridges, are incorporated into the annual work plan and systematically implemented.

Radioactive waste management results

During the Reporting Period, the Company properly managed and safely disposed of waste generated during NPP construction and operation. We have established a comprehensive radioactive waste treatment system to minimize environmental impacts from plant construction and operation through a rigorous environmental monitoring system. In 2025, the "three wastes" management system of all operating NPPs operated normally, with total radioactive emissions remaining far below the annual limits approved by the state. The table below presents the discharge of various types of radioactive waste from our plants during the Reporting Period, expressed as a percentage of the national standards.

In addition, the Company strictly implemented regulatory requirements to "adopt plant-specific measures, formulate phased disposal plans, and progressively resolve the issue of long-term waste storage." Operating NPPs were organized to review inventories of waste packages stored for more than five years and, together with licensed treatment and disposal entities, develop coordinated transportation and disposal plans. These efforts ensured the safe and orderly offsite transfer of waste in accordance with the established schedule. In 2025, over 3,000 m^3 of radioactive waste was transported offsite for treatment or disposal.

	Year	Ratio of Radioactive liquid effluent (nuclides but tritium and carbon-14) to state annual limit	Ratio of radio-active gaseous effluent (inert gases) to state annual limit	Generation of radioactive solid waste (m^3)	Environmental Monitoring results
Daya Bay Nuclear Power Site (including Daya Bay NPP, Ling'ao NPP and Lingdong NPP)	2024	0.23%	0.46%	148.9	Normal
	2025	**0.35%**	**1.84%**	**149.1**	**Normal**
Yangjiang NPP	2024	0.29%	0.17%	108.6	Normal
	2025	**0.51%**	**1.79%**	**96.7**	**Normal**
Taishan NPP	2024	1.2%	4.41%	1.4	Normal
	2025	**1.34%**	**4.42%**	**40.8**	**Normal**
Fangchenggang Phase I Project (Unit 1 & Unit 2)	2024	0.28%	0.87%	37.2	Normal
	2025	**0.13%**	**0.97%**	**28.8**	**Normal**
Fangchenggang Phase II Project (Unit 3 & Unit 4)	2024	2.33%	4.04%	0	Normal
	2025	**2.72%**	**4.52%**	**7.7**	**Normal**
Ningde NPP	2024	0.29%	0.25%	73.2	Normal
	2025	**0.42%**	**2.53%**	**80.4**	**Normal**
Hongyanhe Phase I (Units 1-4)	2024	0.38%	3.99%	95.6	Normal
	2025	**0.38%**	**4.52%**	**76.0**	**Normal**
Hongyanhe Phase II (Unit 5 & Unit 6)	2024	0.33%	2.09%	52.0	Normal
	2025	**0.41%**	**3.06%**	**52.4**	**Normal**

Note: Different nuclear power projects in the same nuclear power site may have different effluent limit values approved by the relevant national regulatory authorities, and the effluent data among nuclear power projects are not comparable; the effluent data of the same nuclear power project in different years are affected by the unit's refueling outage and maintenance projects.

Resource Utilization

CGN Power strictly complies with China's *Energy Conservation Law and Water Law*, and places high priority on the utilization of nuclear fuel and water resources as well as waste management. By adopting advanced technologies and optimizing production management, we improve resource efficiency and enhance waste recycling, contributing to a resource-saving and environment-friendly society.

Nuclear fuel utilization

Improving nuclear fuel utilization efficiency is key to resource conservation and sustainable development, and essential to ensuring the economic performance, safety, and environmental compatibility of nuclear power. CGN Power continuously advances fuel management optimization and the application of advanced technologies. While ensuring safe and stable unit operation, the Company consistently enhances nuclear fuel utilization efficiency and overall economic performance.

Nuclear fuel usage management methods

Technological R&D

We conduct research on increasing fuel burnup limits and on fuel cladding failure mechanisms, further improving fuel utilization rates and reliability.

Management optimization

Certain nuclear power plants have adopted new fuel assemblies with varying enrichment levels and conducted technical assessments of dual-enrichment fuel management schemes, improving both resource utilization efficiency and plant economic performance.

Nuclear fuel usage management results

After a series of technological development and upgrading, the current nuclear fuel cycle in our NPPs is 18 months. This has greatly reduced the number of refueling outages, and effectively improved the unit availability and utility rate of nuclear fuel.

Nuclear fuel usage management targets

To enhance the safety of NPPs and the economical efficiency, the Company has long been committed to promoting the efficient use of nuclear fuel, constantly improving the use efficiency.

Water resources management

Water resources are both a critical risk factor and a foundational strategic resource in the nuclear power sector. Guided by the policy of " water conservation first and strong water management," we place strong emphasis on efficient utilization, sustainable supply, water saving, resource balance, and comprehensive governance. Through technological innovation and enhanced management, we promote water conservation and strengthen maintenance of water supply systems to ensure efficiency and sustainability. Water risk assessment has been integrated into the ERM system, with the President responsible for managing water-related risks and opportunities and reporting relevant information to the Audit and Risk Management Committee. Indicators, such as freshwater reservoir water quality, are included in NPP performance assessments and senior management incentive systems to ensure the implementation of water resource management responsibilities.

More sustainable water supply

The water we use is sourced from municipal water supply, power plant reservoirs and sea water. Our NPPs are located in the coastal areas, so there are no problems in sourcing suitable water. In addition, the reservoirs are equipped with an automatic integrated video and satellite monitoring system to track water level, dam seepage, leakage pressure, and rainfall, ensuring their stable operation. In order to strictly manage reservoir water, the power plant reservoir has been managed in accordance with the Regulations on Water Saving Management of Bases and as the first-level water source protection area. We implement systems on water extraction permit, water use plans, water use declaration, and water use tracking system with statistics.

To further improve the sustainability of water supply, we regularly assess the safety and stability of water supply and have formulated water-related management regulations and emergency plans, including the Emergency Plan for Water Shutdown in Water Supply Pipeline and the Emergency Plan for Reservoir Collapse to ensure timely and effective handling of water source anomalies with standardized measures. Meanwhile, to secure stable water supply, we rationally allocate water resources and implement comprehensive protection measures in exclusive freshwater reservoirs of the plants and ecological environment in adjacent water areas. Some water supply pipelines are modified to ensure reliable operation. All those efforts further improve the stability and sustainability of water supply.

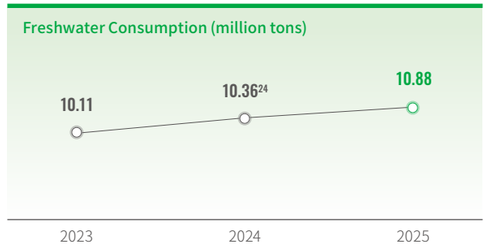
Higher water use efficiency

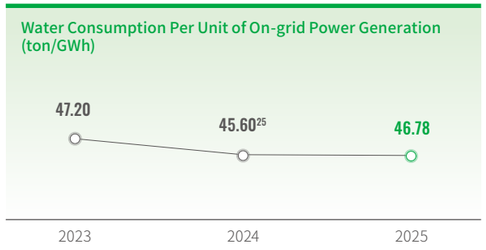
CGN Power continuously monitors water consumption, discharge, and recycling rates. When building and running projects, we encourage water recycling and efficient water management. For example, the reclaimed water is applied in irrigation and road cleaning. We implement a range of water-saving measures in nuclear power project construction. For example, the water use for construction must be equipped with water meters; the water used in the living area and the construction area are measured separately, and water-saving records are established, analyzed and compared to improve the water saving rate; the construction site and the living area are equipped with water-saving appliances; the construction site establishes a collection and treatment system for reusable water resources, so that water resources can be recycled in a cascading manner; non-traditional water sources will be used in priority for on-site machines, equipment, vehicles, road cleaning, greening and watering, etc., instead of using municipal tap water.

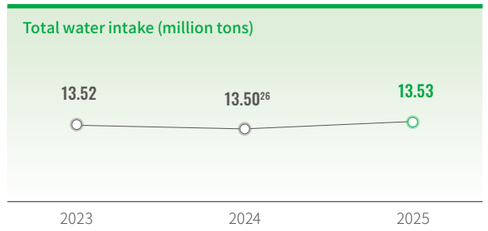
In terms of fresh water utilization, each subsidiary conducts in-depth analysis of water demand at each stage, link, and plant during the project feasibility study period, and establishes an intensive and water-saving water management system, minimizing water consumption and the impact on regional water demand to the greatest extent. In terms of drainage, each plant vigorously implements reclaimed water reuse plans. The sewage treatment facilities are upgraded and renovated to meet the reuse water standards. After that, they are reused for dust reduction at construction sites, production facility water, and garden greening irrigation, further expanding water channels and methods, and continuously improving water resource utilization.

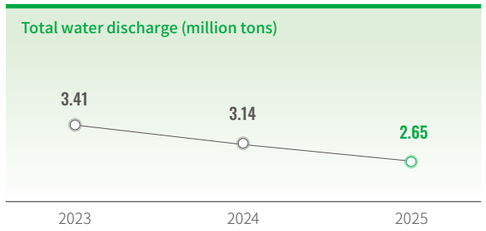
Case **Zhaoyuan Nuclear smart water management center enhances water use efficiency**

In line with the goal of intensive water resource utilization, a smart water management center was developed alongside Zhaoyuan Nuclear Unit 1. The center integrates seawater desalination, production water preparation, and water recycling into a unified "water network." Through intelligent operation and maintenance, it enables dynamic monitoring and precise regulation of water resources across the entire plant, maximizing water use efficiency. This initiative not only demonstrates our commitment to water conservation but also sets a new benchmark for efficient water resource management in nuclear power projects.









Water conservation goals

We encourage all subsidiaries to actively take water-saving measures, carry out water-saving technological transformation and enhance awareness through publicity, aiming to reduce water consumption.

Non-radioactive sewage management

We strictly manage and control the treatment and emission of sewage according to national laws and regulations and local standards including the *Environmental Protection Law and the Marine Environmental Protection Law*. During the Reporting Period, the non-radioactive wastewater treatment facilities of all NPPs were operating normally, and the treatment met the regulatory standards and requirements.

Non-radioactive sewage treatment methods

All our NPPs have formulated non-radioactive sewage management procedures. For non-radioactive construction, installation, commissioning, industrial wastewater, and domestic sewage, we plan several sewage treatment facilities for each nuclear power plant during the design phase based on local water quality and quantity characteristics. Then we construct and put them into use during the construction phase. Various types of wastewater are treated by different processes to meet national standards for discharge or reuse. For the treatment of radio- active liquid, please refer to the "Radioactive Waste Management" section of this Report.

Non-radioactive sewage treatment results

During the Reporting Period, the non-radioactive wastewater treatment facilities of NPPs were operating normally, and the treatment met the regulatory standards and requirements.

2.6484 million tons

Wastewater discharged with highest level of treatment by subsidiaries

Non-radioactive sewage treatment targets

All non-radioactive wastewater generated by NPPs is discharged in accordance with regulatory standards, and subsidiaries are encouraged to adopt water reuse method or carry out near-zero wastewater discharge.

[24], [25], [26] The company acquired 5 new nuclear power project companies in 2025, and the 2024 data has been updated accordingly.

Non-radioactive waste management

For compliant disposal of non-radioactive waste, including non-radioactive hazardous waste, we strictly comply with Chinese laws and regulations as well as standards, such as , the *Law on the Prevention and Control of Environmental Pollution by Solid Waste, Pollution Control Standard for Storage and Landfill of General Industrial Solid Waste (GB 18599-2020), Pollution Control Standard for Hazardous Waste Storage (GB 18597-2001) and Regulations on Safety Management of Hazardous Chemicals*.

General solid waste management

General solid waste management methods

Our industrial solid waste mainly includes construction waste, iron and steel waste, waste glass, waste plastics, waste- paper, waste wood, and consumables.

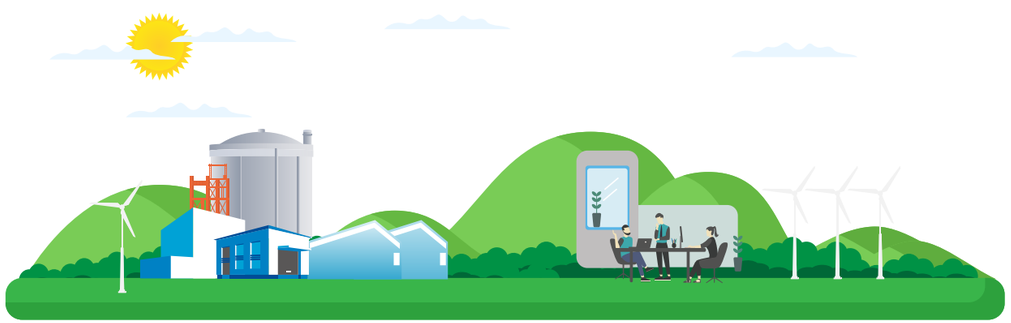
All NPPs formulate the Regulations on Industrial Solid Waste Management to reduce waste from the source, and supervise and manage the entire process of classification, collection, storage, handling, transportation, utilization, and disposal. General solid waste is classified and stored in the field. Recyclable types will be handled for on-site reuse. Non-recyclable types are entrusted to qualified and technically capable units for external transportation and disposal after on- site sorting and recycling. They also supervise the transportation of solid waste outside the site, ensuring that the entire process of solid waste generation, transfer, storage, transportation, and disposal is legal and compliant.

General solid waste management results

Achieved management objectives, with all temporary storage and disposal of general solid waste throughout the year being fully legal and compliant, and no environmental incidents such as administrative penalties occurred.

General solid waste management targets

The entire process of solid waste, from generation, transfer, and storage to transportation and disposal, is legal and compliant.



Non-radioactive hazardous waste management ("hazardous waste") management

Management approach

Our non-radioactive hazardous waste mainly comes from mineral oil, organic solvents, batteries, organic resins, developer, lamps, and hazardous chemicals.

We strictly conform to regulations and their amendments, including the *Regulations on Safety Management of Hazardous Chemicals and Pollution Control Standard for Hazardous Waste Storage (GB 18597-2001)*. We adopt hazardous waste storage containers that are resistant to wind, rain, sunshine, leakage, explosion with temperature and humidity monitoring functions. Leakage-proof pallets are purchased to prevent leakage of liquid hazardous waste. We standardize the disposal process to ensure that hazardous waste is generated, stored, transferred, recycled, and handled legally to guard against environmental risks brought by them. At the same time, we conduct regular exchanges with local regulatory agencies on the standardized management of hazardous waste and keep ourselves updated on new requirements and policies of hazardous waste management.

Guided by the principles of standardization, centralization, and digitalization, CGN Power has promoted the construction of standard hazardous waste warehouses and temporary storage facilities at nuclear power sites, and implemented an informationbased hazardous waste supervision platform. This enables fulllifecycle dynamic tracking—ensuring that waste sources, destinations, and responsibilities are traceable. At the same time, in line with the principles of reduction, resource utilization, and harmlessness, we have organized NPPs to conduct research on radioactive waste volume reduction and hazardous waste minimization.

Management results

All NPPs have established hazardous solid waste storage facilities. Environmental protection facilities operate in compliance with regulatory standards, and all pollutants are discharged within permitted limits.

In 2025, we generated 2,474 tons of hazardous waste, with a density of about 10.6 tons/TWh; we disposed of about 2,381 tons of hazardous waste (not disposed of in the year in which they were generated).

Management targets

In accordance with regulatory requirements, we will continue to implement standardized, intensive and IT-based management and carry out full-cycle, whole-process and comprehensive management of hazardous waste to achieve compliant storage and disposal. CGN Power has established hazardous waste volume reduction goals. Pilot nuclear power plants set up task forces focusing on source control, process control, and results feedback, and developed reduction plans covering supplier takeback, substitution with environmentally friendly materials, packaging optimization, recycling and reuse, and hazardous waste identification. Through the optimization of hazardous waste management and control processes, the Company has significantly enhanced its refined management capabilities for hazardous waste.

In order to continuously reduce non-radioactive hazardous waste, CGN Power has clarified key directions for future, that is, developing a pilot green supply chain with zero packaging of hazardous waste; recycling waste mineral oil and waste batteries by manufacturers; conducting feasibility studies on recy- cling of ion exchange resins; replacing lead storage battery with lithium battery; optimizing the replacement cycle of antifreeze and foam liquid; developing hazardous waste disposal plans and process solidification; and setting up reward mechanism for hazardous waste reduction.

Ecological Nuclear Power

Upholding the philosophy of "symbiosis, mutualism, and regeneration" in nuclear power ecology management , CGN Power has integrated biodiversity protection into its development strategy. A comprehensive environmental monitoring system has been established to continuously track surrounding ecosystems. These efforts aim to minimize ecological impacts, promote harmonious integration between nuclear power operations and the natural environment, and enhance ecosystem diversity, stability, and sustainability.

Environmental impact assessment

Before project construction, we conduct environmental impact assessments covering water, biodiversity, noise, solid waste, and atmosphere, with compensatory measures taken where necessary. Public opinion is also surveyed and analyzed. In accordance with national regulations, environmental impact assessments are carried out during the site selection, construction, and operation of each nuclear power project. Environmental protection acceptance is included upon project completion to ensure alignment with design and environmental protection requirements. The process ensures the closed-loop management from planning to operation, continuously enhancing environmental performance.

Case **Yangjiang Nuclear sets to release the *Specification for Ecological Nuclear Power Evaluation During Operation***

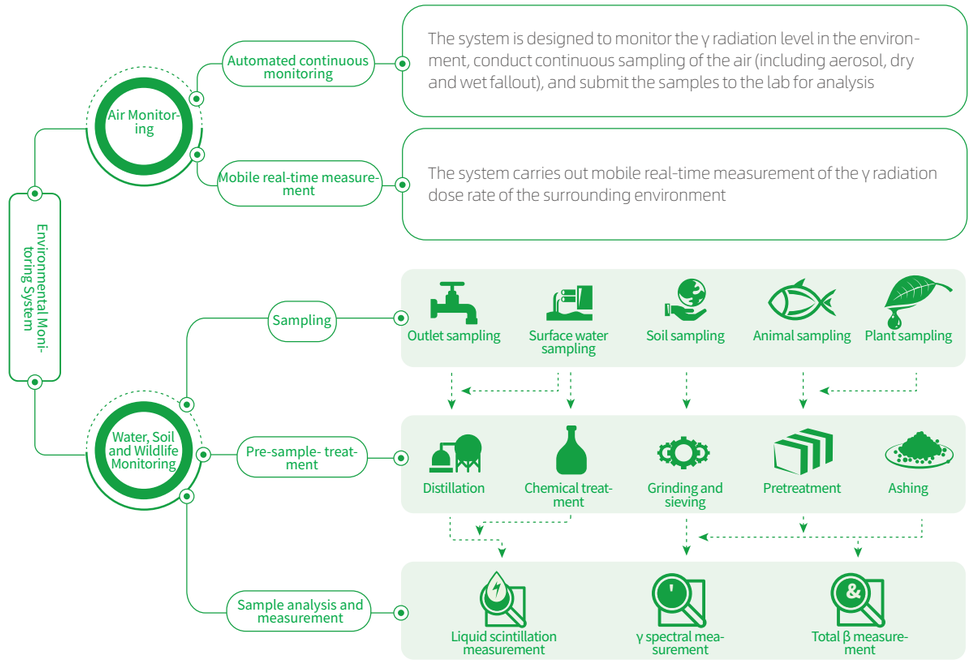
Led by Yangjiang Nuclear, the industry standard *Specification for Ecological Nuclear Power Evaluation During Operation* has completed all review procedures and is expected to be officially released. The standard focuses on ecological development during the operational phase of nuclear power plants, clarifies the concept and scope of ecological nuclear power during operation, and adheres to the principle of harmonious development with nature and society. By systematically integrating relevant regulations, standards, and best industry practices, it establishes an implementable and assessable framework, providing important technical support for standardized ecological nuclear power development.

Environmental monitoring

In accordance with laws, regulations and other regulatory documents, including the *Regulations for Environmental Radiation Protection of Nuclear Power Plants and Regulations* for Environmental Radiation Monitoring of Nuclear Power Plants, we have established a complete set of environmental monitoring systems. During operation, we regularly monitor the environmental factors of each nuclear power site, track the environmental impact and take timely actions. We regularly submit the monthly and annual environmental monitoring reports, and disclose the monitoring data in time to accept the supervision of regulatory authorities at all levels.

Internal monitoring

During operation, each nuclear power plant regularly monitors environmental factors at the site in accordance with environmental impact assessment approvals and regulatory requirements. In line with applicable standards, including the *Regulations for Environmental Radiation Protection of Nuclear Power Plants (GB 6249-2011)*, the *Regulations for Environmental Radiation Monitoring of Nuclear Power Plants (NB/T 20246-2013)*, the *Technical Specifications for Radiation Environmental Monitoring (HJ 61-2021)*, and the *Technical Specifications for Radioactivity Monitoring of Effluents from Nuclear Power Plants (Trial)*, we have formulated the *Outline for Environmental Monitoring* and the *Outline for Effluent Monitoring*. During the Reporting Period, all NPPs conducted continuous monitoring of onsite and surrounding environmental conditions, as well as the operation of environmental protection facilities, following established monitoring schemes under a stringent quality assurance system. The monitoring data were complete, accurate, and reliable, with monitoring frequency and results fully compliant with national standards. Activity concentrations of radionuclides in environmental media, such as water, soil, and biota, around the plants remained consistent with historical levels.



External supervision

CGN Power actively cooperates with national regulators and other supervisory bodies to monitor environmental performance and disclose external supervision data to the public. Relevant state regulatory agencies strictly monitor the radioactive emissions from nuclear power plants, focusing on the "dual-track system" monitoring of gaseous and liquid effluents and the surrounding environment of nuclear power plants. The operating units of power plants and the environmental protection administration in the province where the power plants are located hold accountable for the monitoring and ensure the data range meets the standard.

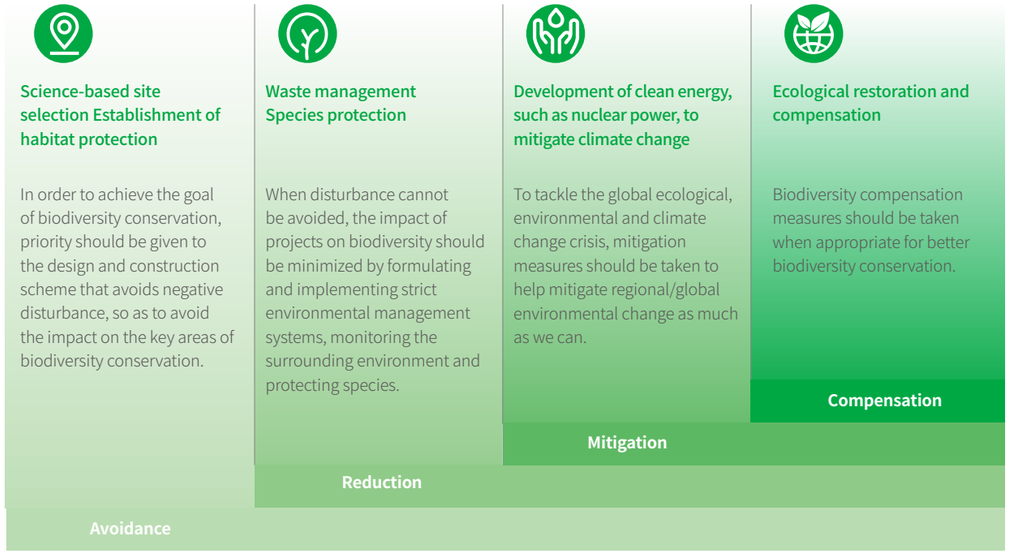
According to the long-term monitoring results of the Hong Kong Observatory and other external monitoring departments, the environmental radioactivity levels in the surrounding areas of our company's NPPs in operation since their operation have not been abnormal, and the terrestrial and marine biological population within the area has not changed. We have not brought about any adverse impact on the environment. National regulator continuously monitors the air absorption rate in the vicinity of the nuclear power plant in operation. The monitoring data shows that the air absorption rate is within the range of local natural fluctuations.

Biodiversity conservation

CGN Power strictly complies with the *Marine Environmental Protection Law*, *Environmental Protection Law*, and other biodiversityrelated laws and regulations. Adopting a mitigation hierarchy of "avoidance-reduction-mitigation-compensation," we integrate biodiversity protection measures into all stages of nuclear power plant siting, design, construction, and operation, forming an ecologically diverse circle of species in the terrestrial areas and surrounding waters of nuclear power sites. Through these concrete actions, we contribute to regional ecological balance and global biodiversity conservation, fostering a green development paradigm characterized by the harmonious coexistence of humanity and nature.

Biodiversity management methods

Four-step Biodiversity Conservation Approach



Biodiversity protection measures

Site Selection and Design	Engineering Construction	Nuclear Power Operation
Conduct field investigation to assess the impact of construction on local biodiversity, and avoid natural habitats and wetlands, forests, wildlife corridors, and agricultural land.	Implement woodland trans-formation and green the plant area to maintain the original ecology.	Establish and implement rigorous discharge disposal processes and regulations to monitor surrounding environment in real time to ensure no impact on the surrounding species by radioactive discharges and thermal discharges.
Determine project scope to minimize the impact of construction on wildlife.	Carry out ecological environment background survey and basic water temperature monitoring survey for monitoring environmental changes in the surrounding.	

Environmental public welfare activities

Guided by green development principles, CGN Power actively fulfills its environmental responsibilities. We organize non-profit environmental initiatives and awareness campaigns to promote sustainability value—embracing green, low-carbon, clean, and eco-friendly practices—and encourage broader public participation in ecological protection.

Ecological protection actions

All subsidiaries actively promote biodiversity conservation and ecological restoration initiatives based on local ecological characteristics. We are committed to contributing more to sustainable development and ecological conservation.

Case Ningde Nuclear conducts the fish stock enhancement for ecological improvement

In May 2025, to foster synergy between marine ecology and green energy, Ningde Nuclear partnered with the Fujian Marine Engineering Consulting Association to conduct a fish stock enhancement activity at Yujing Wharf in Fuding. A total of three fish species were released—8.12 million large yellow croaker, 2.88 million red seabream, and 4.68 million black seabream. This initiative effectively improved the marine ecological environment and contributed to biodiversity conservation and ecological balance.

Case Fangchenggang Nuclear's mangrove protection event

Fangchenggang Nuclear has established two dedicated volunteer teams—the Party Task Force and the Volunteer Team—recruiting over 270 volunteers serving as the core force for mangrove ecosystem protection. Between 2024 and 2025, leveraging key environmental dates such as National Tree Planting Day (March 12), World Environment Day (June 5), and National Ecology Day (August 15), the company, together with government regulators, schools, and enterprises, organized eight themed mangrove protection events. The volunteer team independently conducted more than 20 additional activities—including beach cleanup, pest control, supplementary planting, and regular inspections—to safeguard the stability and health of the mangrove ecosystem surrounding the nuclear power plant. To date, over 87,500 mangrove trees (including approximately 80,000 of the Shaluoliao species planted), covering about 3.3 hectares, with a cumulative investment exceeding 8 million yuan. The ecological value of the protected mangroves is estimated at over 10 million yuan.

Empowering People to Shape a Talent Powerhouse

Opportunities and Challenges

Amid accelerating global energy transition and the rise of new technologies, the nuclear energy industry offers vast career opportunities for highcaliber professionals. As a technology-intensive sector, pursuing high-quality development and new quality productive forces demands strong technical expertise, holistic competencies, and innovative thinking from its workforce. Upholding talent as its primary asset, CGN Power continuously refines its mechanisms for talent selection, training, utilization, and retention, leveraging every development opportunity to accelerate building a talent powerhouse that empowers the Company's steady and sustained growth.

Strategies and Decisions

Upholding the philosophy of "talent first for enterprise development," CGN Power embeds talent strategy into its business blueprint. Focusing on the high-quality nuclear development and new quality productive forces, we coordinate talent acquisition, training, utilization, and motivation. Through a tiered talent system and multi-channel career paths, we build an equitable, diverse, and inclusive workplace that unleashes employee vitality and creativity. We seize every opportunity to solidify our long-term competitive edge.

Goals and Progress

Our Goals

- To deepen reforms in talent development mechanisms and improve value creation-oriented talent management frameworks to energize talents
- To broaden career development channels and build talent pools in core technologies and crossdisciplinary capabilities
- To create an equitable, diverse, and inclusive workplace with women comprising at least 10% of the workforce to continuously enhance organizational cohesion and sustainability resilience

Progress in 2025

- Tenure-based and contract-based management were applied to all middle managers and above, with over 60% of mid-level management and high-tech positions filled through open competition
- 100% of employees received training, with an average of 142.37 training hours per employee
- Women make up 11.63% of total employees

Employee Rights

CGN Power prioritizes employee rights, strictly complying with China's *Company Law*, *Labor Law and Labor Contract Law* to ensure lawful labor management. During the Reporting Period, we continuously refined the internal rules and regulations, including the *Labor Management System*, *Recruitment and Employment Staffing Management System*, *Professional and Technical Staff Recruitment Management System*, *Management Staff Selection and Appointment Management System*, *Salary Management System*, and *Employee Performance Management System*. We also published the *Human Resources Management Policy Statement*[27] on our official website. These policies, covering key aspects such as employee recruitment, appointment, assessment, and incentives, help fortify the institutional foundation and foster standardized, orderly, harmonious, and stable labor relations.

Diversity and equality

Committed to employee diversity and equality, the Company upholds internationally recognized human rights norms and strictly complies with national laws, regulations, and international labor standards. In line with the principle of nondiscriminatory employment, we prohibit differential treatment based on gender, age, educational background, ethnicity, religious belief, or marital status. We welcome talent aligned with our development goals and strive to foster a diverse workplace that embraces different perspectives and beliefs.

Equal and lawful employment

CGN Power is committed to fair and compliant employment. The Company attracts talent through multiple channels, including social recruitment, campus recruitment, and joint training programs. Meanwhile, we continuously improve recruitment processes to ensure they are standardized, normalized, and institutionalized. Strict background checks are conducted during recruitment to eliminate child labor and any form of forced labor. During the Reporting Period, the Company recorded no incidents involving human rights violations, child labor, or forced labor.

In 2025, CGN Power hired 1,939 outstanding graduates through campus recruitment, and 21 individuals through social recruitment. The Company also brought in 9 high-caliber professionals and established long-term cooperation with 14 academicians and university teams, further expanding the tech talent pool.

In 2025,

1,939
Fresh graduates newly recruited

100%
Open recruitment rate

Gender diversity

CGN Power dedicates itself to creating a diverse, equal, and inclusive corporate culture. We support all employees to pursue career development and skill enhancement, especially female employees, and help them realize their personal value. As of the end of 2025, the proportion of women among junior/intermediate/senior managers was 5%, and the proportion of female employees and managers in STEM (Science/ Technology/Engineering/Mathematics) positions reached 12%.

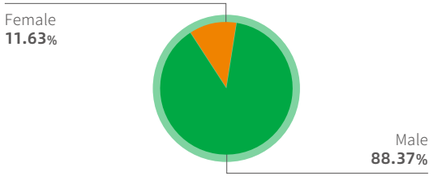
[27]For the full text of the *Human Resources Management Policy Statement*, please refer to the "Investor Relations — ESG — ESG-related Policy Statement" section on our website

Staff composition

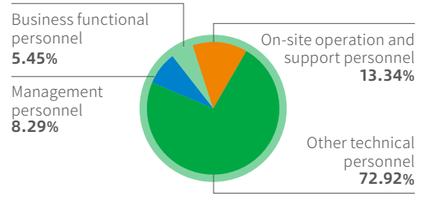
22,928
Number of employees

22,928
Full-time employees

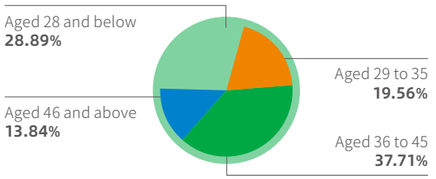
Gender



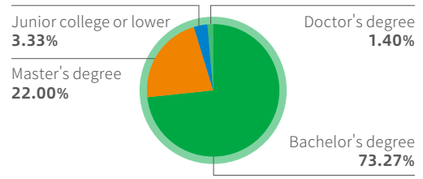
Profession category



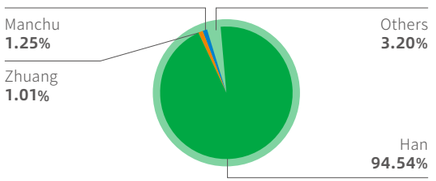
Age group



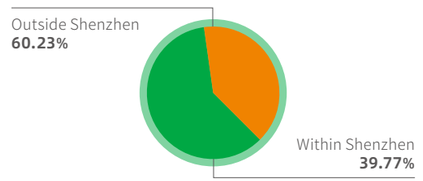
Educational background



Ethnic structure

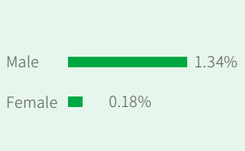


Geographical region

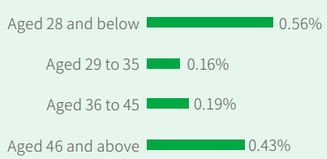


Employee turnover rate

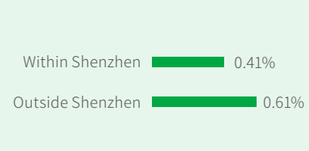
By gender



By age



By geographical region



Compensation and incentive system

CGN Power continuously improves its compensation and incentive system. Embracing value-creation orientation, we regard responsibility, capability, and performance as the core criteria for employee evaluation. In salary distribution, we give due consideration to frontline production positions and other 3D jobs—those that are difficult, dirty, and dangerous—and optimize incentive mechanisms to favor such roles. This approach motivates employees, unlocks their potential, and supports their career advancement and self-actualization while contributing to sustainable and high-quality operations.

Compensation and incentive mechanism

Compensation system

Following the market-oriented principle, we have formulated internal rules and regulations, such as the *Compensation Management System*, *Employee Performance Management System*, and *Management Staff Selection and Appointment Management System*. By optimizing the performance management system, we have built a strategy-oriented and competitive compensation management system (Performance indicators include but are not limited to ESG-related indicators such as climate). Based on the position-based pay, our wage scale varies from post responsibility and competence to performance, and those with strong competence/good skills and performance can have higher salary or bonuses. Our salary distribution continues to favor frontline production roles and special roles to maintain reasonable pay differentials and prevent unjustified high income. For employees who fail the SQE assessment, their annual performance bonuses are zero. For employees or organizations who made outstanding contributions in various aspects such as technological innovation and SQE management, the Company implements special incentive measures.

Performance incentive

We continuously refine our wage growth mechanism, ensuring it is aligned with corporate performance. Accordingly, the growth rate of total wages (and labor costs) remains below the growth rate of economic benefits. Meanwhile, key labor efficiency indicators, such as labor productivity and the return on human capital, have shown consistent improvement, positioning the Company as an industry leader in this regard.

We continuously improve our internal compensation system, which is job value-based and performance-oriented. Salary distribution consistently favors frontline production roles and other 3D jobs—maintaining reasonable pay differentials and preventing unjustifiably high income. A comprehensive performance assessment system ensures that employee pay is directly linked to their contributions, enabling a flexible and meritbased income adjustment mechanism.

We have established a systematic incentive system for technological innovation, fostering an environment that encourages innovation. Salary distribution is prioritized toward innovation-intensive roles, and personalized compensation packages are offered to top-tier, highly specialized, hard-to-find critical talent. In addition, a variety of medium and long-term incentive schemes—tied to innovation outcomes—have been introduced for R&D personnel to fully unleash their potential and vitality.

Employee benefits system

Basic benefits coverage

We strictly adhere to national regulations regarding social insurance contribution bases and ratios, paying all premiums on time and in full. Every employee is covered by social insurance—including pension, supplementary medical insurance, unemployment insurance, workrelated injury insurance, housing provident fund, and corporate annuity—achieving a 100% coverage rate. Through close cooperation with social security agencies and banks, we have realized electronic payment and automatic reconciliation of social insurance contributions, ensuring accurate, timely, and full payment of all premiums.

In response to national policy, we have established an enterprise annuity on top of pension insurance and encourage employees to purchase personal commercial pension insurance, forming a threepillar pension system with shared responsibility among the state, the Company, and individuals. In addition to basic medical insurance, we provide supplementary medical insurance to meet employees' multilevel healthcare needs. This has further improved the allstaff healthcare protection system, effectively preventing employees from falling into poverty or hardship due to illness.

Work-life balance

In accordance with national regulations and business needs, we have established a holiday management system with paid leave policies that encourage employees to take their entitled time off reasonably. The labor union regularly organizes a variety of cultural and recreational activities, including holiday celebrations, cultural performances, sports competitions, and teambuilding events. Facilities at nuclear power sites are continuously upgraded to enrich employees' leisure time.

Female employee benefits

We consistently prioritize the health and wellbeing of female employees. Initiatives such as Women's Health Seminars are held periodically, and genderspecific items are included in routine health checkups. Labor unions at all levels organize activities for International Women's Day, extending festive greetings to female employees. Free health clinics and consultations focusing on women's and children's health are also offered, providing dedicated support for pregnant and parenting employees.

100%
Employee social insurance coverage (covering medical, pension, unemployment, work-related injury, and maternity insurance as well as housing provident fund, and corporate annuity)

13 working days
Average paid leave for employees

212
Associations and interest groups formed by labor unions at all levels

2,805
Activities carried out

37,000
Participations

788
"Serving the People with Concrete Actions" campaigns organized

45
Youth networking events launched

429
Employees visited

37
Session of summer child-care program held

1,480
Employee children benefited

Case "Summer Cooling" campaign: Caring for frontline workers

In the summer of 2025, CGN Power's labor union organized the "Summer Cooling" campaign, providing frontline workers with watermelons, herbal tea, ice pops, and heatstroke prevention medicines. Rest areas and water stations were set up, along with jobspecific heatstroke prevention measures. This initiative not only enhanced employee health and safety but also strengthened their sense of belonging and motivation, ensuring that every frontline worker felt cared for while remaining at their posts.

Case Celebrating women: International Women's Day employee care campaign

To celebrate International Women's Day, CGN Power coordinated with labor unions at all levels to organize diverse thematic activities. Through initiatives such as commendations for female employees, growth exchanges, healthcare programs, and intangible cultural heritage experiences, the Company honored the significant contributions of women in technological innovation, business operations, and service support. These efforts help foster a corporate culture that respects women, cares for employees, and embraces inclusive progress.

Case CNPRI hosts employee family open day

In October 2025, CNPRI held an employee family open day event in Zhongshan. The event attracted more than 40 employees and their family members. During the event, the families visited the research base and the Cuiheng New District Planning Exhibition Center to learn about scientific research projects and the development journey of the base, thereby acknowledging the strategic significance of scientific research work. They also toured experimental workshops and project construction sites, which fostered greater appreciation and backing for our employees' professional endeavors. The visit concluded at Sun Yat-sen's Former Residence, which aroused the patriotism and the striving spirit of the participants. The event brought the organization and employee families closer, inspired passion for scientific research and innovation, boosted employee belonging and well-being, and injected momentum into the Company's high-quality development.

Employee communication mechanism

CGN Power fully guarantees employees' rights to know, express, participate and supervise. In compliance with the Regulations on Democratic Management of Enterprises, Regulations on Workers' Congress of Industrial Enterprises under the Ownership of the People and Notice on Regulations of the Grassroots Labor Union Member Conference issued by the All-China Federation of Trade Unions, etc., we have established a workers' congress. Meanwhile, we constantly broaden the channels of democratic management, continuously improve its system, and implement the system of employee director and supervisor to encourage employees to make suggestions.

We have established a democratic communication network centered on the Workers' Congress, transparent management, and grassroots visits. This network enables us to track employee feedback and promptly disclose major decisions affecting employees' interests. The Labor Union's proposal system and rationalization proposal mechanism provide channels for employees to raise demands and resolve concerns. Systems such as the Labor Dispute Mediation Committee and collective contract negotiations further strengthen our capacity to handle labor disputes. All related processes and information are accessible only to the parties involved and necessary personnel, ensuring the fullest protection of employee rights.

In addition to communication channels such as forums, leaders' mailboxes, Labor Union teams, and Communist Youth League branches, the Company regularly holds organizational meetings and democratic life meetings for management teams, providing employees with opportunities to voice opinions and suggestions to their superiors. Employees can also engage in face-to-face discussions with management throughout the entire process of personal development planning, performance goal setting, execution, and evaluation. This two-way communication and feedback helps align employees' development goals with those of the Company.

In 2025, the Company held a total of **24** workers' congresses, resulting in **94** proposals that were advanced and implemented later.

Talent Development

CGN Power places talent development at the core of its strategy, steadfastly implementing the strategy of strengthening the enterprise through talent approach. Drawing on national energy plans, the Company's business landscape, and insights from HR surveys, special seminars, and interviews, we systematically review critical positions, talent structure, training systems, and management mechanisms—clarifying development pathways and objectives. A comprehensive Human Resource Planning (HRP) mechanism is then established, covering goal setting, annual planning, implementation, performance evaluation, and dynamic adjustment. Through this approach, we continuously strengthen the development of high-level and specialized talent, building a talent powerhouse that supports high-quality nuclear power development.

Talent reserve mechanism

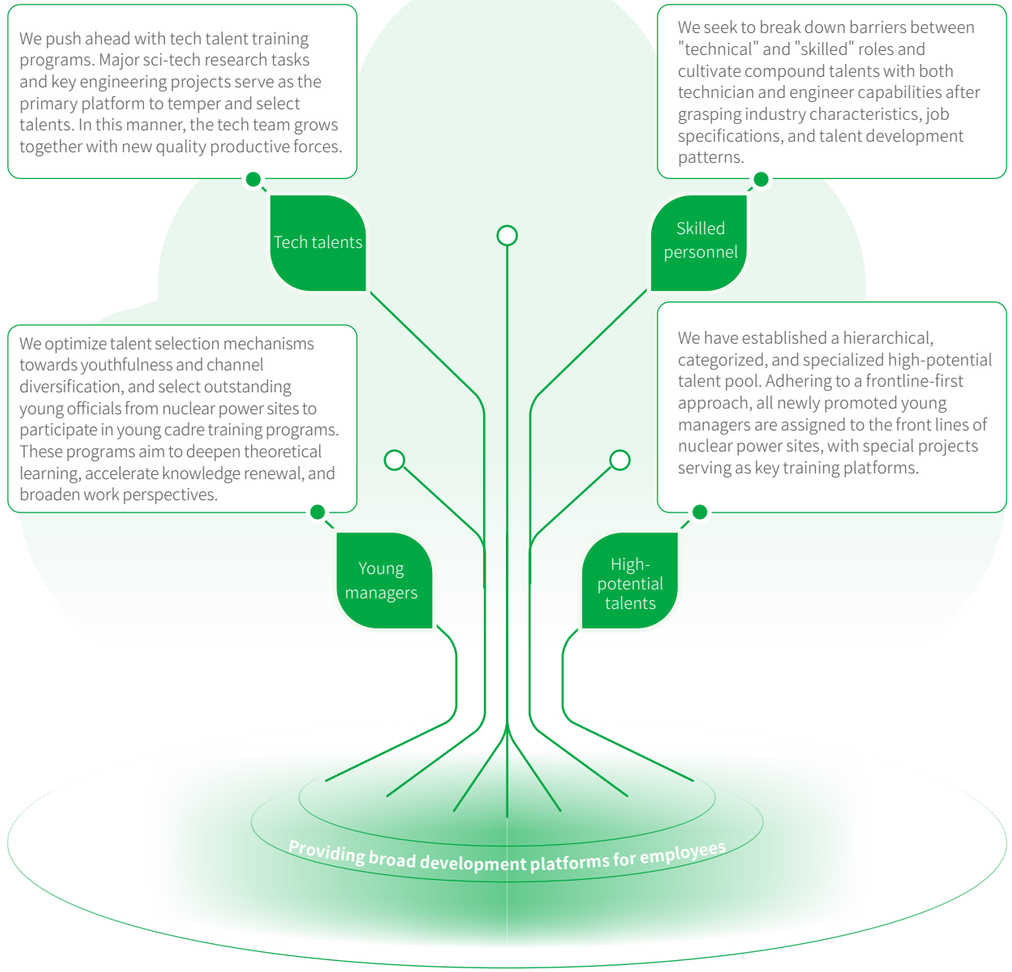
CGN Power has established a systematic, tiered, and categorized talent assessment and reserve mechanism. Regular performance and career development assessments are conducted across the board, with results closely linked to promotion, training, and compensation, helping identify high-potential talent. These individuals are placed into Group-level and Company-level "talent pools," where they receive targeted development through project practice, job rotation, and mentorship programs to accelerate their growth. In line with the rapid expansion of the nuclear power sector, we have launched the "Egret Star Program" to attract top graduates from leading domestic and international universities. This initiative has enabled us to bring in a cohort of outstanding young talent, optimize the employee structure, and fill critical positions, injecting fresh vitality into business development.

Through the "dual-track" career development paths (managerial and technical paths), we offer customized support for talents with different expertise, ensuring talent development and orderly succession for critical positions. We also cement collaborations with universities and colleges in talent recruitment and training. Through partnerships such as joint laboratories, commercialization of technological achievements and incubation bases, graduate training programs, and graduate social practice bases, our talent pipelines are diversified and high-potential graduates are reserved in advance. The ever-deepening talent pool full of technological talents, reactor operators and other professionals consistently powers the high-quality growth of the Company.

Talent development system

CGN Power regards talent pipeline as a core pillar that underpins long-term corporate development. Based on national energy planning and our business landscape, we make a systemic analysis of critical position requirements, talent structure, and individual potentials. Based on special seminars and data-driven assessments, talent reserve strategies and management measures are formulated to ensure a robust talent pipeline of high-level and specialized personnel. This provides human capital support for high-quality development of the nuclear power sector.

We design clear career pathways for employees. Besides "dual-track" managerial and technical paths, we have also established an integrated connectivity across "Position Ladder - Development Path – Employee Aspiration – Employee Mobility". Focusing on training tech talents, skilled personnel, young managers, and high potential talents, we endeavor to promote long-term talent development and strengthen the reserve of key talents, laying a solid foundation for the our sustainable development.



Diversified training systems

CGN Power continuously improves its independent and diversified talent training system and its training management system. Our experienced instructors, systematic curricula, and complete training facilities enable the continuous learning and upskilling of employees, and empower the mutual development of employees and the Company.

License training

CGN strictly complies with China's *Nuclear Safety Law*, actively conducting relevant training for licensed nuclear power personnel and ensuring that all NPP operators are properly licensed. For reactor operators, we have established a structured training ladder: new employee → operator trainee → operator → senior operator → deputy shift supervisor → unit director → shift supervisor. New hires undergo training in technical theory, basic safety authorization, and onthejob practice, followed by assessments including written tests, interviews, practical ability evaluations, and psychological evaluations. Upon passing these, they become eligible to take the operator certification exam.

Egret Program

A series of transformation training programs are designed and implemented based on the core competency model to address challenges faced by new hires, new managers at all levels, new reserve management members during the transition and reserve periods, aiming to comprehensively improve the professionalism of the talent team across the board.

Classified training

We have established standardized training systems for engineering and operations, with training programs categorized into nuclear power operations, nuclear power engineering, nuclear power technology, and management. Following the fundamental process of "training – assessment – authorization – induction," we have built a comprehensive training system covering all employees.

Contractor training

We have redesigned curricula, optimized content, and adopted innovative training methods to enable classified training featuring "electronic course + Q&A assessments." For facetoface sessions, contractor training units share resources with late entrant partner organizations, effectively improving training efficiency.

A contractor training management dashboard has been developed and refined, complemented by frontline research to ensure effective program implementation. Annual supervision and inspection processes have been streamlined through the categorization and integration of contractor training system reviews.

We have signed the talent development cooperation agreements with contractors to co-develop training systems, share instructional resources, conduct joint skills assessments, and foster collaborative talent development. We have also achieved mutual recognition of basic safety authorizations across different sites, enabling efficient workforce mobility within the industry. To address talent shortages in nuclear power operations and maintenance, we have innovatively established a "government + enterprise + academia" collaboration mechanism, aligning the talent training chain with industry demands.

Honors

CNPRI's reactor thermal software R&D team was honored with the **National Women's Model Post award.**

Ningde Nuclear won the title of **Talent Development Benchmark Enterprise.**

One employee from Fangchenggang Nuclear won the title of **National Model Worke**r.

One employee from CGN Operations was honored as **Chief Technician by the Ministry of Human Resources and Social Security**

Eight employees from CNPRI's Shanghai Branch won the titles of **Craftsman, Technical Pacesetter and Technical Experts in Minhang, Shanghai.**

Ningde Nuclear was awarded the **2025 Provincial High-Skilled Talent Training Site**.

Two employees from CNPRI and Fangchenggang Nuclear respectively won the titles of **Outstanding Young Scientist of Central SOEs and Technical Expert of Central SOEs**.

Three employees from DNMC was honored as **2025 Master Technicians**.

One employee from DNMC took **the first place in 2025 Shenzhen Skills Competition — Teaching Ability of Vocational Trainer**.

Training hour per employee
142.37 hour

Training hours for male employees
142.77 hour

Male employees trained
100 %

Training hours for female employees
140.1 hour

Female employees trained
100 %

Training hours for mid-level management
132.61 hour

Mid-level management trained
100 %

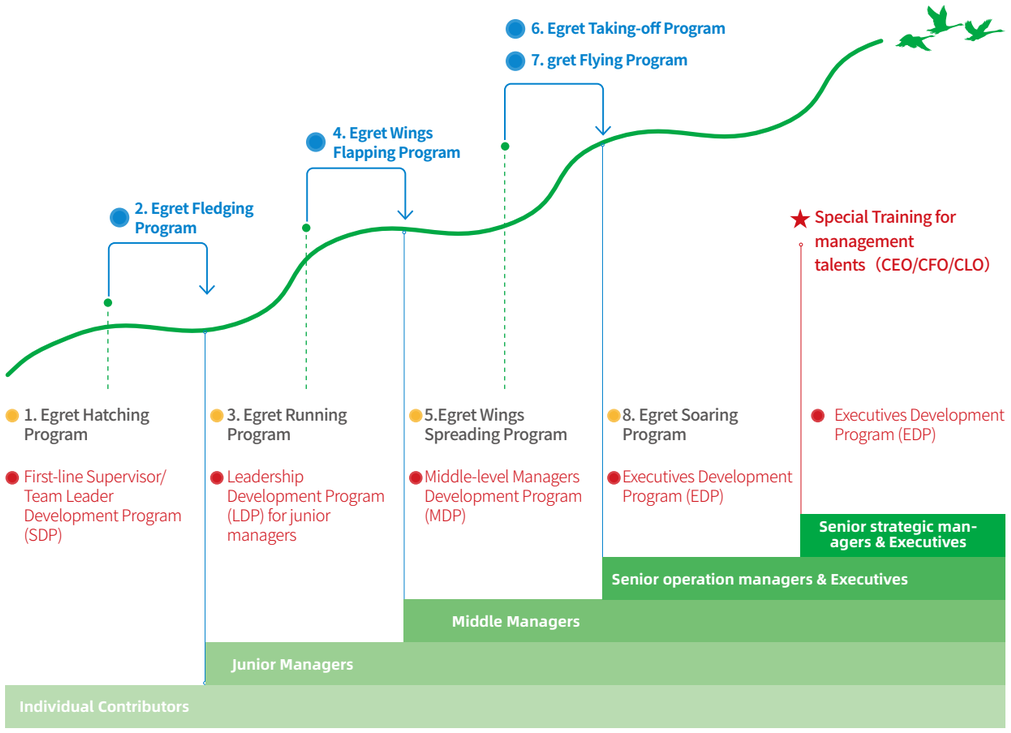
Training hours for senior management
115.93 hour

Senior management trained
100 %

Annual training expenditure
11,399.98 10,000 yuan

Egret Program - CGN Leadership Training Program

To help managers at all levels achieve career advancement, the Egret Program is launched, including sub-programs such as the Egret Hatching Program (induction training for new hires), the Egret Running Program (transition training for new junior managers), the Egret Wings-Spreading Program (transition training for new middle managers), the Egret Taking-off Program (medium and long-term training for reserved senior managers), the Egret Flying Program (training for reserved senior managers), the Egret Soaring Program (transition training for new senior managers).



2025 Egret Program Achievement

	Target	Progress
Egret Running Program	Improving the personnel management ability of new junior-level managers	18 sessions with 638 participants
Egret Wings-Spreading Program	Improving the personnel management ability of new mid-level managers	8 sessions with 252 participants
Egret Soaring Program	Improving the management skills of new executives and broadening their thinking and horizons	1 sessions with 36 participants

New employee development

CGN Power prioritizes new employee development through tailored training plans based on job roles and career paths, enabling quick adaptation and professional growth.

Case Egret Hatching Program: Building a pipeline of young talent

In August 2025, the Egret Hatching Program (new hire training camp) officially concluded. The program engaged over 3,000 new hires and university faculty members. Through scenario-based performances, presentations, and commitment ceremonies, the new hires got better understanding of the corporate culture, professional mission, and the clean energy cause. During the camp, outstanding individuals and teams were recognized, and innovation and the work style of "strict compliance, prudent decision-making, detail-oriented and fact-based approach" were highlighted. This program not only helped new employees adapt to their new roles as soon as possible, but also broaden their horizons, helping cultivate young talents with technical expertise and a strong sense of responsibility.

Leadership development training

We conduct leadership development training programs annually to strengthen the theoretical foundation, strategic thinking, and decision-making of executives at all levels. This helps develop leadership excellence on an ongoing basis.

"Egret Soaring Program"

The curriculum was comprehensively upgraded to better align with business needs. In 2025, 26 training sessions were delivered under the program, with 3,597 participants, enhancing the competency and performance of managers and employees in their respective roles.

High-Potential Management Talent Development Program (HDP)

The program features a systematic and complete training cycle for young managers with five steps: reviewing, assessing, training, tempering, and appointing. Through the "comprehensive evaluation" and "individualized strategy", it enables targeted training, highlights "job shadowing and rotation" for on-the-job practice to deliver better training outcomes.

Nuclear Power Leadership Training

The leadership training has achieved full coverage across the nuclear power sector. A total of 393 sessions attracted 19,300 participants, safeguarding nuclear safety.

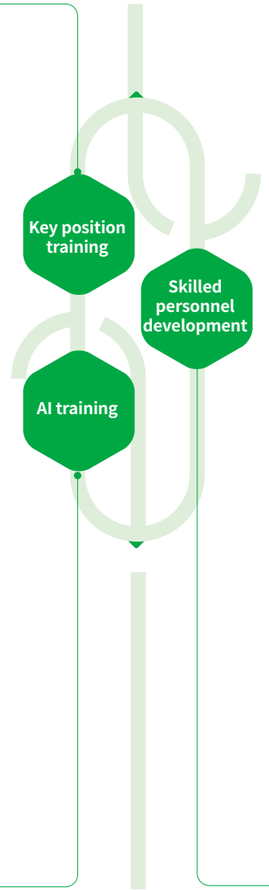
Case CGN Operations hosts the first Knowledge–Action Forum for managers

In March 2025, CGN Operations launched the first Knowledge–Action Forum for managers. Focusing on "how to build productive teams", the forum aimed to improve managers' leadership skills. It invited middle-level managers to share practical experience and engage in discussions based on management concepts. The forum emphasized that it was imperative to "walk the talk" through problem-oriented approaches, classic case study, and reflection on practices. The forum not only helped improve managers' leadership skills and organizational management capabilities, but also helped foster a learning organization, shoring up the high-quality development of the Company.

Professional skills training

In terms of expertise cultivation, we organize systematic skills training tailored to employees' specialties and job qualifications to help employees improve their vocational skills and job competency.

Focusing on operator development, we continuously strengthen coordinated management on the training and test preparation of licensed operators. In 2025, a total of 249 employees obtained reactor operator licenses.

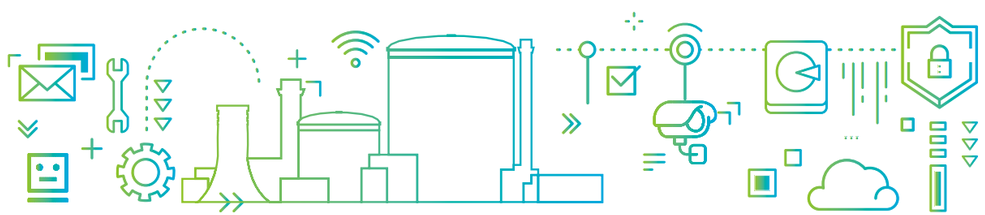


We offer four-tier AI training programs for all employees: Advanced, Premium, Standard, and Specialized. Our goal is to develop a "practice-oriented training system" for the "management, coordination, business, and technical roles". The programs recorded approximately 29,000 participations from employees and managers at all levels.

We have obtained vocational skills self-accreditation qualification from the Ministry of Human Resources and Social Security for the first time, with 19 occupations (job categories) registered. Corresponding upskilling paths have been developed covering all specialties and levels. The number of skilled talents continues to grow, with 1 new chief technician, 17 new master technicians, a steady rise in senior technicians, and over 800 newly-certified technicians.

For highly-skilled talents, we adopt targeted training approaches. We have developed a management system, published management measures, and built a two-tier (the headquarter and subsidiaries) talent inventory for talent management and training. Personalized individual development plans have been implemented for 66 Group-level highly-skilled talents. The first specialized training program for Group-level skilled talent has been launched to sharpen professional skills and technological innovation capabilities, and to help train compound talents with "technician + engineer" skills.

We also focus on the training of nuclear outage staff, and have rolled out 7 maintenance skills training programs. Based on the trainees' capability assessment data upon entry, the programs accurately identify their competencies for precise empowerment.



Case AI training empowers the upskilling of managers

In May 2025, CGN Power launched the Advanced AI Literacy Enhancement Training Program. The first session kicked off at Zhejiang University in 2025, providing systematic learning opportunities for managers from the Company and its subsidiaries. In alignment with national strategies for technological innovation and AI development, the training program focused on cutting--edge AI trends, industry changes, and industrial convergence. Through expert lectures and case studies, the managers' comprehension, discernment, and application of next-generation AI were improved. Guided by the principle of "putting learning into practice", the training program instructed trainees to deeply integrate AI with business scenarios, facilitating tech-driven management and industrial development. This provided robust support for cultivating compound talent and elevating governance and innovation capabilities.

Support for employee self-learning

The Company encourages employees to enhance their overall capabilities through diverse avenues. We work to create a learning culture in the workplace, and have established processes to regulate employees' self-learning declaration and incentive management that fosters shared development with the Company. In 2017, we formulated and released the Management Process for Encouraging Employee Self-Learning and Development, which supported employees in pursuing on-the-job academic education, professional qualification certification, and foreign language learning through incentives such as one-time rewards and limited reimbursement. We also collaborate with partner universities to offer On-the-Job Degree Enhancement Programs and Online Preparatory Courses for National Postgraduate Entrance Examinations, enabling employees to advance their qualifications and professional capabilities on a work-study basis. Our goal is to foster shared development between employees and the Company.

Joint training program

As one of the first batch of industry-education integration enterprises in China, CGN Power continuously deepens university-enterprise talent cultivation. We have established talent development partnerships with over twenty universities, including Tsinghua University, Shanghai Jiao Tong University, and Sun Yat-sen University. We sign enterprise-university cooperation agreements and annually organize university students to visit or intern at nuclear power sites. The relevant knowledge and skills training at NPPs allows participating students to integrate theoretical knowledge learned in universities with actual production practices, thus providing them greater insights into nuclear power industry trends, corporate business development, working principles of NPPs, and nuclear safety culture.

In 2025, the Company organized four practical activities together with the Sino-French Institute of Nuclear Engineering and Technology, Sun Yat-sen University (IFCEN), arranging a total of 126 internships at nuclear power sites. Ningde Nuclear and Taishan Nuclear, together with Xi'an Jiaotong University, launched a oneweek summer practice program involving over 120 students. Through site visits, theoretical study, and alumni exchanges, participants gained an immersive understanding of nuclear power. This deepened integration of industry, education, and research helped students enhance their professional knowledge and internalize the nuclear safety culture.

100+ students from over **10** universities such as Xi'an Jiaotong University took internships at our nuclear power sites in 2025.

Case Ningde Nuclear and Xiamen University co-build the Industry-Education Integration Postgraduate Training Base

On January 2, 2025, Ningde Nuclear and the College of Energy, Xiamen University successfully held an enterprise-university cooperation and exchange event in Ningde, Fujian, and jointly unveiled the Fujian Industry-Education Integration Postgraduate Training Base. The base will deepen industry-academia-research integration between enterprises and universities, promote technical exchanges, talent cultivation, and commercialization of sci-tech achievements, providing robust support for the innovative development of the energy sector and the cultivation of high-quality talent.

Case A systematic training model for nuclear power workers to deepen industry-education integration

In 2025, Yangjiang Nuclear partnered with government, enterprises, and schools to establish the Western Guangdong Industrial College for Nuclear Power Operations and Maintenance. The College implements standardized curricula and offers a continuous training pathway spanning secondary vocational, higher vocational, and undergraduate education—enabling guaranteed employment upon graduation. A universal authorization standard for industrial workers was also introduced, facilitating license mutual recognition and efficient talent mobility. The inaugural cohort achieved a 91% job placement rate, with 85% securing local positions. It provides a replicable model for industryeducation integration across the national nuclear power sector.

Occupational Health and Safety

CGN Power always prioritizes the safety and health of its employees. We comprehensively implement the responsibility system for occupational health management and continuously improve the occupational hygiene and health management system in compliance with relevant Chinese laws and regulations such as the *Work Safety Law* and the *Law on the Prevention and Control of Occupational Diseases*, as well as the *Healthy China Initiative (2019-2030)*, the *Guideline on Occupational Disease Prevention (2021-2025)* and other guiding policies.

Governance

CGN Power is committed to building an all-round and multi-tiered occupational health and safety (OHS) management framework that covers organizational structure, division of responsibilities, policy development, and management approaches.

Management policies

CGN Power advances safety standardization by developing a robust OHS management system with the Occupational Safety Management System at the core. The Company has published the *Occupational Health and Safety Management Policy Statement*[28] on our official website,committing to the goal of "zero accidents, zero injuries, and zero occupational diseases". Additionally, institutional documents including the *Occupational Health Management Regulations, Medical Emergency Management, and Heat Stroke Prevention Guidelines for High-Temperature Operations* have been refined to align with regulatory requirements and operational realities. The policies are constantly reviewed and improved through work safety benchmark evaluations. In occupational health surveillance, the Company promotes list-based management and improve standard operating procedures (SOPs) to ensure standardized and effective occupational health management.

Governance structure

In terms of organizational structure, the SQE Department serves as the dedicated unit responsible for overall coordination of OHS management. Based on internal and external conditions, our subsidiaries establish OHS departments or designate fulltime and parttime OHS personnel to carry out management responsibilities. Dedicated OHS management departments are also set up at NPPs, with clearly defined responsibilities to ensure effective implementation of policies and requirements across business activities, such as engineering construction, power generation, and equipment maintenance. The OHS management system covers contractor personnel engaged in related activities and all other individuals entering operational premises. By promoting integrated OHS management of owners and contractors, and strengthening collaborative governance, the Company achieves more standardized and consistent OHS management across its operations.

Management approaches

Regarding OHS management approaches, the Company focuses on the continual improvement of its OHS management system, with the effectiveness of the quality assurance system at its core. We continuously optimize the system to build an integrated and vertically aligned framework that ensures full implementation of external requirements, internal consistency, precise and controlled execution, comprehensive oversight, and direct feedback to decisionmakers. Through self-inspections, regulatory evaluations, and ongoing improvements, the Company steadily enhances its OHS management system, fostering a sustainable approach that ensures continual improvement in OHS performance.

System optimization

The Company identifies and applies the latest laws and standards to its internal documents—covering safety rules, worker responsibilities, safety practices, risk control, accident handling, emergency plans, and health management. Compared with national and industry standards, the OHS system is regularly updated to meet new requirements. In addition, the system's effectiveness is examined through compliance, performance, and quality assurance evaluations, enabling continuous improvement in system design and ensuring seamless alignment with regulatory requirements.

[28] For the full text of the *Occupational Health and Safety Management Policy Statement*, please refer to the "Investor Relations — ESG — ESG-related Policy Statement" section on our website.

Strategy

CGN Power systematically identifies occupational health-related risks and embeds employee safety and health into all business operations. Focusing on occupational safety, physical health, and mental health, we advance targeted management practices. To strengthen occupational safety and health, we implement measures to prevent safety risks and safeguard employee wellbeing. For overall wellness, we reinforce health intervention and promotion initiatives. We also pay close attention to employees' mental wellbeing, fostering a caring and supportive workplace. Through these integrated efforts, we continuously enhance health provisions, supporting the Company's stable operations and sustainable development.

Occupational safety

CGN Power prioritizes occupational safety. Guided by the framework of "system adaptation – audit and improvement – performance elevation," we continuously enhance the OHS management system and strengthen accountability. Focusing on critical areas such as business operations and engineering construction, we reinforce risk prevention, policy implementation, and safety training to drive continual improvement in OHS management. These efforts help foster a safe and orderly workplace, ensuring the occupational health and safety of employees and stakeholders.

Improving occupational health management system

- We have completed the upgrade of institutional documents to stay updated with new policies and standards. Our subsidiaries at all levels have revised the occupational health management documents, including the *Occupational Health Management Regulations*, *Medical Emergency Management*, and *Heat Stroke Prevention Guidelines for High-Temperature Operations*, to make them align with regulatory requirements and operational realities.
- We regularly inspect and evaluate subsidiaries' occupational health management systems and operational performance during work safety benchmark evaluations. Identified issues are addressed through targeted corrective action plans to improve system effectiveness. In occupational health surveillance, we promote list-based management supported by "three records": the Checklist for Management of Position-specific Occupational Hazards and Contraindications, Tracking and Reexamination Records of Abnormal Health Indicators, and PreEntry Occupational Health Review Records of Contractors. We also refine the occupational health surveillance SOP to address common key and difficult tasks.

Deepening source control of occupational disease hazards

- We deeply integrate source control with technological innovation by advancing the R&D and application of new processes and equipment. Taishan Nuclear has reduced the average noise level in the control room of the steam turbine building from 75dB(A) to below 70dB(A). Huizhou Nuclear has effectively reduced ventilation system noise in the nuclear island building by adding mufflers, adjusting control valve opening, and installing restriction orifice plates.

Strictly implementing occupational disease prevention responsibilities

- In line with emerging industry trends toward digitalized, precise, and standardized occupational health management, the company continues to advance the implementation of its strategy of "source prevention, proper treatment, effective management, publicity and education, and the development of healthy enterprises.". This encompasses: enhancing system effectiveness, controlling occupational hazards at the source, implementing accurate and tiered health surveillance, steadily advancing digital management, promoting health literacy across the board, and building a healthy enterprise. These efforts collectively elevate lean management, foster a safe and healthy workplace, and safeguard employee wellness and well-being.

Implementing precise health surveillance

- We precisely identify occupational hazards associated with production positions. Drawing on data such as job responsibilities, employee interviews, and individual monitoring, subsidiaries including Yangjiang Nuclear, Hongyanhe Nuclear, and SNPI have systematically identified hazardexposed positions, developed a checklist of hazardous factors, and formulated differentiated occupational health surveillance plans. Based on these, fitnessforduty evaluations are refined, work authorizations are dynamically adjusted, and health surveillance records are updated accordingly. This establishes a closed-loop health surveillance system covering "risk identification – precise medical examination – result handling – file management."
- We strengthen closed-loop management of abnormal results. By promoting the four-step handling mechanism of "abnormalities, professional assessment, job transfer, and follow-up tracking", we propel flagged employees into re-examination. Meanwhile, we develop personalized health intervention and follow-up plans (e.g. hearing conservation programs for noise-exposed personnel). More than 31,300 health surveillance records have been updated, and virtually all employees with abnormal test results have undergone re-examination.

Enhancing occupational health management efficiency

- We have upgraded the Occupational Health Surveillance System (OHSS) Version 3.0, which features new modules such as chronic disease management and intelligent push of examination results. The upgrade has streamlined health information flow between OHS personnel and other employees.
- Our subsidiaries have piloted the development of the online monitoring system for occupational hazards, promoting a standardized and digital day-to-day monitoring of occupational hazards. They have also investigated the usability of smart wearables and carried out pilot programs, enabling dynamic monitoring of health data. They provide data support for precise medical emergency response and health services.

Strengthening occupational health oversight of contractors

- We promote whole-process management of contractors. In line with new policies, we provide special training programs for contractors' occupational health management personnel to strengthen their independent management capabilities. Strict preentry health reviews are conducted: personnel entering work sites must complete occupational health checkups based on hazard exposures, and are granted dynamically adjusted site access authorization according to examination results. In 2025, approximately 202,100 reviews were completed, and a "watch list" was established for dynamic monitoring and management during operations.
- We strengthen oversight and management over contractors' occupational health practices. Our subsidiaries have collectively conducted 284 contractor inspections, with special attention paid to the OHS management system development, file management standardization, and contraindicated personnel management. Problems are identified and corrected.

Enhancing occupational health management capabilities

- We fully implement occupational health management training. In accordance with National Health Commission's requirements, we offer tiered and categorized training. Our subsidiaries have actively participated in thematic training programs such as "Occupational Health Promotion and Publicity for Central SOEs' OHS Personnel". We have also organized 4 sessions of SQE lectures and Workshop for Core OHS Personnel with a total of 500 participants. Our training program on occupational disease prevention and control has reached over 83,300 employee participants.
- We provide new hires with specialized training on occupational health management. The Occupational Health Training textbook has been updated, and new employees participate in immersive, onsite training at nuclear power sites for targeted learning. Through these efforts, we systematically enhance the occupational health capabilities of new hires.

Physical health protection

Committed to building a healthy company, CGN Power pays attention to improving employees' physical health and health literacy. We have improved the health service system that covers employees at all levels, formulated the *Procedure for Employee Health Management*, set up dedicated organizations and designated funds, and implemented relevant supporting mechanisms. Through continuous improvement of health management and services, we safeguard employees' physical health.

Comprehensive health management

All employees are provided with annual health check-ups. Based on the health check-up results, we offer a wide range of health services with disease prevention as the priority.;We have set up Employee Wellbeing Station equipped with self-service health screening devices and intelligent all-in-one health check-up machine to improve the provision of health services.; We have established a multi-tiered medical service system, offering unique medical services such as traditional Chinese medicine therapy to navigate diverse health needs of employees; We continuously improve the working and living environment by promoting plant-wide garbage classification, creating a smoke-free workplace, and installing break-time exercise reminders for sedentary positions; We have built a multi-channel psychological health publicity network and offer a variety of psychological services.

Health knowledge popularization

Regular health lectures and training sessions are held, and health science popularization articles are published to help employees continuously enhance their self-health management capabilities.

Health awareness cultivation

We organize diverse after-hours sports activities to encourage employees to pursue their interests, improve fitness awareness, and live a healthy life. Additionally, to protect employees' diet health, our canteens of all subsidiaries provide meal options featuring low oil, low sugar, and low salt recipes, ensuring employees enjoy nutritious and healthy dining.

Employee mental health

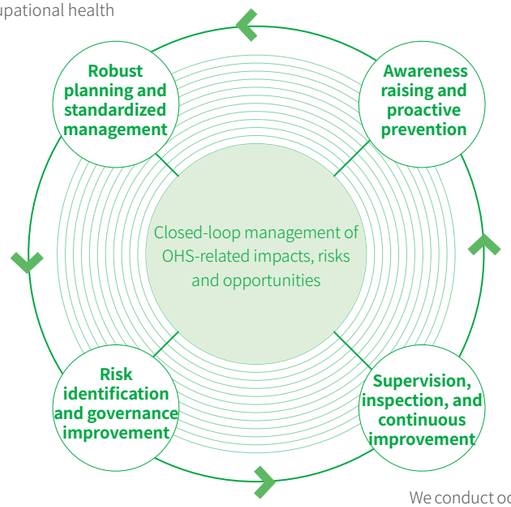
CGN Power places strong emphasis on employee mental health, guided by the principle of "Holistic Health – Mind and Body." We offer the Employee Assistance Program (EAP) to provide 24/7 psychological counseling services, enabling us to stay informed about employees' mental wellbeing and promote a positive, healthy lifestyle. We work to continuously improve both work performance and mental wellness of employees.

Impact, risk and opportunity management

CGN Power conducts occupational health risk screening and impact assessments across its production operations, engineering construction, and other business activities. We carefully evaluate potential health impacts associated with different positions, working conditions, and work practices. Through improved management systems, targeted prevention and control measures, special remediation initiatives, and employee wellness programs, we proactively address occupational health risks and mitigate adverse effects. Building on our management practices, we continuously refine the occupational health management model, integrating risk prevention with employee health protection. We also identify opportunities to enhance both management efficiency and employee wellbeing, thereby driving continuous improvement in occupational health management.

We formulate annual key plans for occupational health management, defining tasks at critical stages. Special seminars are held and communication platforms are established for occupational health management teams across subsidiaries. The Occupational Health Surveillance System (OHSS) is developed and upgraded to support informatized, standardized, and regulated management throughout the entire occupational health monitoring process. Subsidiaries also pilot the development of the High-risk Safety System (NHSS), prework health monitoring systems, and online monitoring systems for occupational hazards—comprehensively advancing occupational health management.

We regularly organize occupational hygiene training to enhance employees' awareness of occupational disease prevention and control. By disseminating basic knowledge of occupational health protection and improving relevant skills, we proactively mitigate occupational health and safety risks. In addition, ongoing exchanges, publicity, training, and warnings related to occupational health and safety help embed a strong occupational health culture into every aspect of production and operations.



We identify and evaluate occupational hazards across work processes, implement classified management on hazards and risks, and adopt technical, managerial, and physical protection measures to ensure personnel safety during operations.

We conduct occupational health management inspections among our subsidiaries or project departments. We also strengthen assistance and supervision of contractors' occupational health management, carrying out system inspections and pre-entry reviews to promote contractors to fulfill their primary responsibilities for occupational diseases prevention and control. For frontline employees in certain positions (including those exposed to radiation, noise, high temperature, chemical poisons, electricians, work at height, etc.), a third-party professional institution is engaged to conduct annual occupational health check-ups.

Metrics and targets

We strengthen indicator monitoring and process control around OHS objectives, driving steady improvement in health and safety management. In 2025, we set the annual quantitative targets of "zero major and serious personal casualties, zero serious injuries, zero fire accidents, and zero major radiation protection incidents", and exercised full-process control over target achievement through daily indicator statistics and dynamic tracking. During the Reporting Period, we achieved all the annual targets. There were no cases of occupational diseases or incidents such as "illness-induced safety risks" and "cluster infection cases" among our employees, outsourced personnel, or contractors. The maximum radiation dose per person received was far below relevant international and domestic standards. The effectiveness of occupational[29] health and safety management continued to be consolidated.

Certification

All NPPs under CGN Power were certified to **the ISO 45001 occupational health and safety management systems.**

Maximum individual radiation dose of all NPPs (Unit: millisievert)

NPP/Unit	2025	2024	2023
Daya Bay NPP	9.10	9.97	10.48
Lingao NPP			
Lingdong NPP			
Yangjiang NPP	9.79	10.27	10.50
Taishan NPP	3.57	4.21	2.24
Units 1-4 of Fangchenggang NPP	6.74	10.66[30]	7.26
Ningde NPP	9.02	10.74	10.21
Hongyanhe NPP	7.01	9.05	10.50

0
Occurrence rate of occupational disease for employees, outsourced personnel and contractor in 2025

approx. 2.55 million yuan
Investment in work safety liability insurance

0
Lost days due to work injury

25,025
Participants of the annual employee psychological health survey in 2025

93%
Proportion to the total employees

251
Activities held, including psychological health consultations and counseling sessions

nearly 8,324
Participants

2
Outstanding case in health enterprise development by the National Health Commission added

2
Provincial-level healthy enterprises added

[29] The main factor influencing the maximum individual radiation dose received at NPPs is the annual refueling outage.
[30] The scope of statistics is expanded to the Fangchenggang Unit 4 commenced operation in 2024.

At the end of 2025, CNPRI hosted a New Year Carnival featuring activities such as dryland curling, fun frisbee, tug-of-war, and hiking—designed to enrich employees' cultural life and strengthen team cohesion and unity. During the event, employees connected, interacted, and relieved stress through sports while experiencing the organization's care and support. The initiative injected vitality and passion into the Company's high-quality development.

Case Fangchenggang Nuclear rolls out TCM therapy campaign

Fangchenggang Nuclear, in collaboration with local hospitals, launched a "Bringing Health to the Frontline" traditional Chinese medicine (TCM) therapy campaign, offering physical exams and wellness advice to over 50 frontline employees. Therapists applied techniques such as massage, cupping, and scraping to relieve pain, while also sharing guidance on occupational disease prevention and daily health maintenance—effectively enhancing employee wellbeing and onsite morale.

Case Ningde Nuclear offers psychological and physical health care

In September 2025, Ningde Nuclear launched its first psychological counseling campaign, offering tailored mental health support and wellness services to all onsite personnel involved in the Ningde Phase II Project. Participating employees noted that "the consultation process was relaxing and offered new perspectives on work-related issues." Meanwhile, professional teams were invited to interpret health reports, provide datadriven insights, and develop personalized wellness plans for employees. The initiative received widespread praise and effectively enhanced employees' physical and mental wellbeing, as well as overall workplace comfort.

Partnering for a Sustainable Industry Ecosystem

Opportunities and Challenges

The steady improvement of China's manufacturing system, coupled with the rapid unlocking of domestic market potential, has created new opportunities for industrial modernization and high-quality development. China has accelerated the development of an independent, controllable, green, and intelligent industrial system, advancing technological innovation, industrial chain coordination, and new quality productive forces. At the same time, amid an uneven global economic recovery, a shifting geopolitical landscape, and growing uncertainties, supply chains face mounting pressure from security and competition—posing greater challenges to the manufacturing industry.

Strategies and Decisions

CGN Power has continuously strengthened supply chain resilience and safety management, embedding the principles of green, quality, and safety throughout the entire supply chain. Through rigorous supplier admission, dynamic management, optimized coordination, and enhanced industryacademiaresearch cooperation, the Company strives to build a more efficient, innovative, and resilient industrial chain, maintaining industry stability and advancing safe, green, and sustainable development.

Goals and Progress

Our Goals

- To continuously enhance industrial and supply chain resilience, strengthen risk control and safety management capabilities, ensuring stable supply chain operations
- To drive partners to improve their ESG management systems, improve ESG performance, and build a green and sustainable ecosystem.
- To deepen lean procurement management for higher transparency, efficiency, and compliance, thus optimizing the allocation of supply chain resources.
- To strengthen industry-academia-research coordination and innovation cooperation for stronger collaborative innovation and enhance technological capabilities among upstream and downstream enterprises, thereby increasing the overall competitiveness of the industrial chain.

Progress in 2025

- 432 new suppliers introduced, bringing the total number of qualified suppliers to 4,216, including 4,043 domestic suppliers
- 112 key tier-1 suppliers reviewed, accounting for 16.4% of all reviews
- Disclosure rate of procurement prices required to be disclosed: 100%

Supply Chain Management

In its production and operations, CGN Power strictly complies with Chinese laws and regulations, including the *Bidding Law*. We continuously refine our management documents such as the *Supplier Management Measures and Supplier Misconduct Management Process*, and have published the *Supplier Management Policy Statement*[31] on our company website. An integrated supplier management platform has been established to systematically advance supplier review and management, enhancing supply chain resilience and sustainability. Guided by the principles of joint construction, shared benefits, and mutual success, we strive to build trustworthy and collaborative partnerships with suppliers, jointly promoting the stable development of the industry chain.

Governance

Supplier management system

Based on the "five unifications" (unified organization, unified system, unified process, unified platform and unified classification), the Company has developed comprehensive supplier management policies guided by principles of honesty and integrity, easy entry and strict management, overall planning and sharing, and win-win cooperation. A full-lifecycle supplier management system has been established, covering procurement, admission, tiered management, evaluation and exit. Through tiered management and incentive measures, we enable effective supplier management mechanism, continuously enhancing the standardized governance of the supply chain.

The Company coordinates supplier management by segmenting suppliers based on industry characteristics and specialized fields. It implements tailored strategies for sectors such as nuclear operations and nuclear engineering.

Following the unified management system, all subsidiaries are responsible for supplier qualification reviews, re-evaluations, performance assessments and application of results, star-rated suggestions, elimination, and handling of disputes.

Tiered management

The company has established an independent review team to independently review suppliers entering the nuclear supply chain system, thereby ensuring a safer and more reliable supply chain.

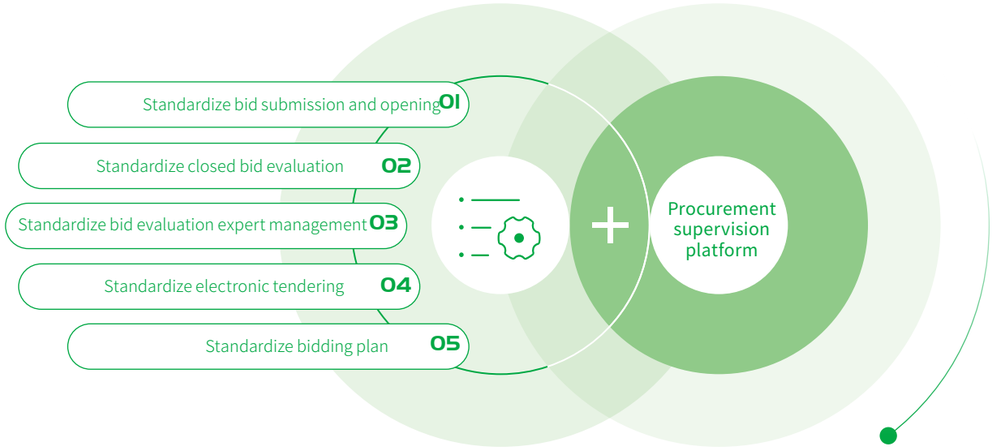
Independent review

[31] For the full text of the Supplier Management Policy Statement, please refer to the Company's official website: "Investor Relations — ESG — ESG-Related Policy Statements".

Supplier management mechanism

Following the "Five Standardizations and One Supervision" mechanism, CGN Power has established a full-level, wholechain disclosure mechanism and built a closed-loop supervision process of "collection—analysis—screening—inquiry—oversight." Bid submission and opening are conducted on the unified electronic platform, with all bidding evaluations under fully closed conditions. Continuous efforts are also made to refine systems, standardize criteria, and keep feedback channels open, enhancing procurement transparency and ensuring a standardized, orderly, and sustainable procurement process.

Five Standardizations and One Supervision



The Company adheres to the principle of "full and maximum disclosure" and strictly complies with national tendering laws, regulations, and industry policies. A series of standardized procurement documents have been developed to eliminate unfair practices, such as "hidden barriers in tendering and bidding".They also aim to ensure the full implementation of transparent procurement and significantly enhance the fairness and transparency of transactions. Furthermore, by establishing standardized procurement categories, we integrate processes including procurement planning, centralized procurement, and supplier management to comprehensively advance procurement transparency. Through targeted management measures, we promote the standardization and centralization of procurement transactions, creating a more regulated and orderly trading environment for all supply chain partners participating in our procurement projects.

Through a unified transaction service platform, we provide one-stop services for all partners on a public and equal basis, including registration verification, qualification review, complaint consultation, and task follow-up.

We disclose biding and non-biding procurement information on a dedicated electronic platform.

Some subsidiaries add a "Procurement Transparency" section on their internal websites, providing synchronized updates on the transaction results of all procurement projects. They also offer consistent disclosure of project transaction amounts internally and externally.

By granting access to the procurement system to the discipline inspection commission, inspection department, audit department and other supervisory authorities, we strengthen oversight and effectively improve the standardization and transparency of procurement.

For publicly tendered procurement projects

- We act in strict accordance with the *Bidding Law*, the *Regulations on the Issuance of the Bidding Announcements and Publicity Information* and other relevant laws and regulations. We clarify the *Bidding Announcements and Publicity Data Interface Specification*. The bid submission and opening, publication of procurement notices, and announcement of shortlisted candidates are all conducted on the electronic platform, with channels for objections and feedback made available.

For non-tendered procurement projects

- Following the standards of publicly tendered procurement projects, we allow suppliers to voluntarily register the projects. Procurement notices and transaction results are published on the electronic platform following a unified procedure. An online mechanism for objections and feedback is established to facilitate social supervision.

Strategy

CGN Power promotes an efficient, safe, and green supply chain by focusing on key areas, including supplier lifecycle management, transparent procurement, supplier empowerment, and supply chain ESG risk management. Through continuous improvement of supplier management systems and procedures, the Company advances the digital and intelligent transformation of the supply chain. At the same time, we identify and manage potential ESG risks to enhance supply chain resilience and sustainability, providing strategic support for the Company's stable development. On this basis, we identify and respond to the following key supply chain risks and opportunities.

Supply chain risks are increasing amid growing instability in global industrial and supply chains, with reliance on imports for critical materials—such as geopolitical conflicts, technological restrictions and other external factors—posing potential challenges to supply chain security. To address this, the Company continues to promote domestic alternatives and a diversified supply layout to enhance supply chain resilience. With the expansion of the Company's nuclear energy business, the batch construction of multiple units across different sites, coupled with the need for long-term safe operation, has extended the supply chain and increased coordination challenges. The Company strengthens whole-process coordination through lean management and digital supply chain control. The high-quality development of the nuclear energy industry depends on technological innovation and application. The Company accelerates the domestic deployment and engineering verification of self-developed technologies through its collaborative innovation and independent R&D platform, thereby continuously improving supply chain resilience (For details, please refer to the section "Technological Innovation" of this Report). At the same time, as green and low-carbon regulatory requirements continue to tighten, further progress in green, collaborative, and integrated development is essential. The Company has established an ESG risk management mechanism for the supply chain to strengthen oversight and empowerment of suppliers' environmental performance, thereby preventing compliance and reputational risks.

To capitalize on emerging opportunities amid the digital and intelligent transformation of the supply chain, the Company enhances procurement transparency and quality control responsiveness through a nuclear power supply chain collaboration platform that enables data integration and intelligent applications. Upholding multiparty collaboration, diversified integration, and multi-dimensional aggregation, the Company works with upstream and downstream enterprises in domestic equipment manufacturing, engineering construction, and research institutions to build an open and cooperative nuclear power industry chain ecosystem. This strengthens resource integration and industrial coordination, jointly advancing the healthy and sustainable development of the nuclear energy industry.

Digital and intelligent transformation of the supply chain

CGN Power continues to advance the digital and intelligent transformation of supply chain management through a dedicated electronic platform that enables unified supplier management, standardized procurement categories, centralized expert management, electronic bidding and procurement, and automated contract management. The platform integrates supplier business data, online certification, and intelligent push functions to support centralized procurement, with procurement achievements shared across the Group. This helps enhance negotiation efficiency, realtime interaction, and procurement decisionmaking. By leveraging thirdparty digital certification, the platform ensures transaction security and overcomes geographical limitations. While realizing precise release of procurement needs, the platform also guides market entities in optimizing resource allocation, fostering intelligent and collaborative supply chain development, reducing transaction costs, and improving overall efficiency and standardization.

During the Reporting Period, the Company deepened its digital transformation by enhancing the ecommerce platform's functions, and improved the rapid consultation mechanism of the online shopping mall through a unified procurement and transaction service platform. This provides one-stop services for all partners, covering registration verification, qualification review, complaint consultation, and task follow-up.

Impact, risk, and opportunity management

CGN Power tracks risks and potential opportunities in supply chain operations. In response, we conduct systematic assessment of supplier management and supplier ESG risk management, and mitigate the impact of supply chain uncertainty through improved systems, strengthened process control, targeted risk prevention training and communication, and supplier capacity building. At the same time, we identify opportunities for management improvement and coordinated development, enhancing the overall stability and sustainability of the supply chain.

Lifecycle supplier management

CGN Power continues to advance supplier lifecycle management, covering admission, classification, evaluation, and exit. A unified management system and operating procedures have been established to ensure rigorous review of supplier qualifications and capabilities, along with dynamic monitoring of supplier performance. Through regular evaluations and feedback, suppliers that fail to meet requirements are promptly withdrawn from the system. This ensures supply chain stability and compliance, while improving efficiency and collaboration.

Strict admission

CGN Power places strong emphasis on supplier quality and has established a rigorous supplier review mechanism. Through document review, source inspection, and other assessment methods, technical, safety, quality assurance, and commercial personnel conduct qualification reviews on potential suppliers based on a four-tier procurement category system. This approach ensures a standardized, necessary, and rational review during the supplier admission stage. Review results are mutually evaluated and recognized within the Group, enabling unified management and sharing of supplier resources while ensuring compliance with laws, regulations, and relevant requirements. During the Reporting Period, the Company strictly enforced admission assessments, upheld the "separation of evaluation and recruitment," implemented quantitative evaluations, and adhered to competitive selection based on merit.

We send qualification documents to suppliers and determine whether they are qualified for bidding and performing the contract according to their returning documents. The main review factors include supplier's basic qualification, relevant performance, SQE status, technical level,and financial condition, etc.

For suppliers that require source review, after passing the document review, source review will be conducted at the supplier's location as needed, including factors such as SQE, technology and business. According to the supplier's intended supply category, the corresponding review strategy is adopted, with independent written opinions issued.

Due to the need of different businesses, subsidiaries can freely choose to engage with external agencies to assess, simplify the process or use other special methods. Each subsidiary has clearly stipulated the corresponding provisions in the detailed implementation rules.

Categorized management

To meet its business needs, CGN Power has built a supplier classification system that adapts to a variety of management and statistical scenarios based on dynamic maintenance, with detailed control measures continuously refined. Our intelligent system enable us to filter, organize, analyze and summarize supplier transaction data from multiple dimensions. Following the principle of "equal rights and responsibilities", we improve the supplier qualification grading management strategy and optimize the supplier management module in the ECP system from supplier admission to qualification maintenance, thus achieving precise supplier grading classification and efficient management.

In 2025, the Company established a strategic supplier base, with nearly one hundred organizations selected as the first batch of strategic suppliers. CGN Power will continue to promote information sharing on these suppliers within the Group, actively communicate procurement demands, and invite suppliers to participate in R&D, design, and scientific research of major projects, as well as Companyled industrial alliances, associations, and various conferences.

Supplier classification system

- By qualification and status
  - Registered suppliers
  - Qualified suppliers
  - Limited suppliers
- By quality assurance level
  - Tier-1 suppliers
  - Tier-2 suppliers
  - Tier-3 suppliers
- By subordination
  - Domestic suppliers within the Group
  - Foreign suppliers within the Group
  - Domestic suppliers outside the Group
  - Foreign suppliers outside the Group
- By supplier relationship
  - Strategic suppliers
  - Bottleneck suppliers
  - Key suppliers
- By segment
  - Nuclear power operation segment
  - Engineering segment
  - Comprehensive segment
  - Overseas segment
- By procurement category
  - Match with the classification of supplies

Performance evaluation

To enhance suppliers' contract fulfillment capabilities, CGN Power conducts performance evaluations for all suppliers at least once a year. The evaluation covers seven dimensions—including technical competence, quality, cost, delivery, and service—while integrating environmental conservation and social responsibility to build a responsible supply chain.

All evaluation results are recorded and archived on the supplier e-commerce platform. All subsidiaries also conduct contract evaluations for suppliers regularly to ensure a continuous record of evaluations throughout the contract execution cycle. For suppliers participating in operational maintenance and engineering construction of NPPs, a standardized performance evaluation system has been established in alignment with the Company's procurement strategy. To deepen long-term stable cooperation with high-quality suppliers, we provide preferential policies and incentives for partners rated as "star suppliers" in terms of future cooperation opportunities, service fee reductions, and other aspects.

During the Reporting Period, the Company established a feature-based labeling system, covering characteristic indicators such as qualifications, delivery performance, social credit, industry environment, and innovation management. This makes supplier qualifications, quotation behavior, and bidding habits more transparent, providing support for smart decisionmaking and motivating suppliers to continuously improve their performance.

Exit management

CGN Power has formulated the Supplier Misconduct Management Process to govern supplier selection and elimination based on evaluation results, and has issued lists of suppliers requiring special attention as well as blacklisted suppliers. Based on the supplier risk monitoring platform, the Company shares supplier misconduct information in real time across the Group, and collaborates with the China Electricity Council and China Nuclear Energy Association to penalize dishonest suppliers. Together, we strive to build a disciplinary framework where "one misconduct leads to restrictions in every aspect." For dishonest companies disclosed by industry associations, we implement monitoring measures such as observation, warnings, and registration interception.

Supplier qualification is valid for three years. Based on the procurement strategy for each category, the Company regularly evaluates cooperation needs. Suppliers identified as having no further cooperation needs will not undergo rereview and will be naturally phased out.

Suppliers are prohibited under the following circumstances: being penalized or restricted by regulatory authorities; being blacklisted by government agencies or other departments; being included in joint punishment lists; violating relevant political standards; or holding invalid or expired special qualification certificates.

- Delisting suppliers without cooperation needs
- Eliminating lowperforming suppliers
- Prohibiting suppliers under special circumstances
- Removing suppliers with serious misconduct

Based on the procurement strategy for each category and subject to competitive demand, suppliers with the lowest performance ratings are eliminated in accordance with supplier evaluation results.

Suppliers involved in serious misconduct or major business risks are placed on the CGN blacklist following review and public notification, with their qualification automatically revoked.

Supplier ESG risk management

CGN Power strictly monitors suppliers' fulfillment of environmental and social responsibilities throughout the cooperation process, and integrates sustainability throughout the supply chain and value chain. We strengthen supplier capacity building to drive green transformation and sustainable development together with industrial partners.

ESG management for suppliers

CGN Power continues to reinforce its sustainability management capability in the supply chain by incorporating factors such as quality, environmental protection, and business ethics into supplier management system and screening process across all stages of cooperation, from admission review and tendering and bid evaluation to contract execution, supplier evaluation and spare parts management.

Qualification review

ESG-related requirements are embedded into the standardized contract templates and adopted across the Company. Environmental factors and green attributes of suppliers are incorporated into the qualification reviews. In the tender document, we require bidders to include green nuclear power elements in the submitted technical proposals. Design proposals, raw material selection, subcontractor selection, manufacturing processes, packaging, recycling and other aspects that can embody green elements are included in the scoring criteria.

Contract execution

We have signed contracts with suppliers that require them to conduct green operation in compliance with relevant laws and regulations. We require suppliers to operate in accordance with ISO 14001 and other the relevant standards, controlling material and resource consumption, minimizing waste generation, and adopting eco-friendly processes that improve recycling efficiency. Suppliers are also encouraged to use green water sources such as rainwater, reclaimed water, and condensation water for both construction and domestic purposes, and to implement water-saving measures that reduce unnecessary consumption and minimize environmental impact throughout the operations. We enhance our routine oversight of supplier misconduct through monthly evaluations covering product and service quality, safety, environmental protection, human rights, and anticorruption. Corrective actions are implemented to ensure any identified issues are effectively resolved.

Engineering construction

We strictly follow the principle of green construction. To that end, we have formulated and implemented the *CGN Engineering Green Industrial Chain Management Rules*. It requires each business center and project department to designate responsible units for implementing green industry chain initiatives, assign dedicated personnel to drive the effective implementation of the management rules, and integrate green industry chain management requirements into departmental procedures and policies. These efforts contribute to the standardized and procedural green industry chain management, especially in engineering construction.

CGN Power strictly complies with the *Regulations on Guaranteeing Payment to SMEs* and *Regulations on Guaranteeing Wages Payment to Migrant Workers*. Upholding a strong contractual spirit and strict performance, we provide channels for partners to file complaints on overdue payments, outstanding debts, or unpaid wages, and take concrete actions to verify and resolve such issues. We treat SMEs equally and consolidate our supply chain cooperation.

In 2025, we regularly inspected outstanding payables. For any identified arrears, case-by-case repayment plans were developed, with clearly defined responsibilities, resolution methods, and deadlines. Dedicated personnel tracked progress daily until all issues were resolved. The causes and responsibilities for such arrears were investigated and analyzed, and periodic reviews of cleared debts were conducted to ensure proper repayment. Complaint channels were also incorporated into standard contract templates.

Complaint channels for overdue payments and unpaid wages

Tel: 0755-84431493
(Weekday: 08:30-12:00，14:00-17:30)

Email: pjtqltq@cngpc.com.cn

Supplier empowerment

CGN Power actively empowers its suppliers by continuously advancing supply chain capability building. We encourage suppliers to improve their ESG performance in areas such as operational management, product quality, environmental protection and occupational health and safety. The Company strengthens experience sharing and resource support while establishing a long-term collaborative mechanism with its strategic partners. These efforts promote the high-quality development of the supply chain, ensuring robust operations across quality, safety, and efficiency.

Supplier improvement plan

In 2025, through centralized and follow-up assessments, the Company issued quality assurance and technical review findings to suppliers, urging them to make improvements. 30 quality-related and 13 technical-related findings were rectified and verified for closure. Such plan has helped suppliers address capability gaps and improve supply quality, improving both supplier competence and the Company's supply chain security.

Supplier communication and empowerment

The Company actively engages in supplier exchanges and empowerment activities to help suppliers improve their management standards and professional capabilities, thus building a standardized, efficient and win-win supply chain ecosystem.

In October 2025, as a participant in the 2025 Annual Conference & Nuclear Power Industry Supplier Management Exchange, we shared the practice of "Penetrative Supervision and Risk Management" with 56 major industry entities, including China's four primary nuclear power groups and the three major electrical equipment manufacturers. In response to the new landscape of centralized management within the nuclear energy industry chain, we promoted cross-enterprise experience sharing and supply-demand alignment.

In December 2025, we participated in the public welfare training for supplier management of state-owned enterprises (SOE). We delivered a keynote presentation titled "Practices in Digital Transformation of Bidding Supervision," sharing practical experience and implementation outcomes. This effort provided actionable guidance for more than 70 suppliers on compliance and efficiency improvement, serving as a bridge to align SOE management standards with supplier requirements.

Metrics and targets

CGN Power has established a comprehensive supply chain management indicator system centered on core management objectives, covering supplier admission, classification, evaluation, exit mechanisms, and ESG performance. By continuously optimizing metrics and goals, the Company provides guidance for supplier management and empowerment practices, driving the stable, efficient and sustainable development of the supply chain.

Indicator	Unit	In 2025
Critical Tier-1 suppliers reviewed	entity	112
Percentage of Critical Tier-1 suppliers	%	16.4
Critical non-Tier-1 suppliers reviewed	entity	572
Percentage of critical non-Tier-1 suppliers	%	83.6
Suppliers pre-qualified	entity	1,372
Suppliers de-registered for non-compliance	entity	77
Adverse supplier events resolved[32]	case	179
Suppliers listed on the Company-level blacklist	entity	114
Suppliers terminated	entity	approx. 890
Serious dishonest enterprises reported to industry associations for joint sanctions	entity	15
Disclosure rate of procurement prices required to be disclosed: 100%	%	100
Qualified suppliers in the supplier pool	entity	4,216
Qualified Domestic Suppliers entity	entity	4,043
Overseas Compliant Suppliers entity	entity	173
Partners rated as "CGN Power Group Five-Star Suppliers"	entity	10
Partners rated as "CGN Power Group Four-Star Suppliers"	entity	20

[32] It mainly refers to non-compliant suppliers regarding contractual obligations.

Multi-party Cooperation

Upholding the principles of openness and cooperation, CGN Power deepens coordinated development with government agencies, industry partners, enterprises, and universities. The Company has built a high-level collaboration network. Through resource sharing, technical exchange and joint innovation, the Company advances the high-quality development of the energy industry, fosters mutual benefit and win-win results for all parties, and achieves synergistic efficiency and sustainable development.

Case CNPRI and Sun Yat-sen University jointly build the Joint Research Center for Reactor Coolant Chemistry

In July 2025, CNPRI joined hands with Sino-French Institute of Nuclear Engineering and Technology at Sun Yat-sen University to build the Joint Research Center for Reactor Coolant Chemistry. This creates a research platform dedicated to critical reactor coolants chemistry technologies. By leveraging the strengths of both parties, the Center aims to promote the deep integration of industry, university and research institutions, attract top international talent, improve technological R&D capabilities and disciplinary development in service of China's nuclear energy strategy. The establishment of the Center not only enhances technical breakthroughs and innovation, but also provides essential human capital and scientific support for the high-quality development of China's nuclear energy industry.

Case SNPI is selected as one of "2024 China Industry-University-Research Deep Integration Best Practices"

In March 2025, the 16th China Industry-University-Research Collaborative Innovation Conference was held in Beijing. SNPI was successfully selected for the "2024 China Industry-University-Research Deep Integration Best Practices" for its case on promoting integrated development to build a source of clean energy technologies. This selection signifies that the Company's achievements in industry-education-research deep integration have been recognized by national authorities, demonstrating its outstanding capabilities in technological innovation and industrial collaboration.

Common Prosperity in the Industry

CGN Power consistently plays a leading role in the nuclear power industry chain. Through various channels including participating in the formulation of industry standards, forming consortia, aligning with international cutting-edge practices, and promoting innovative technologies, we advance the progress of the industry and make it more standardized. These efforts also contribute to the high-quality development of the nuclear power sector and promote common prosperity and sustainable development in the industry.

In 2025, relying on CGN Joint R&D Center for the Domestication of Nuclear Power Equipment, the Company organized 9 small and medium-sized technical exchange forums. By establishing efficient organizational mechanism and focusing on critical industry pain points, we ensured that each forum served as a catalyst for technological upgrades.

In July 2025, the Company assisted regulatory authorities in organizing the 2025 Youth Cadre Training Program for Nuclear and Radiation Safety Regulators, contributing to the cultivation of national nuclear and radiation safety supervision talent.

In 2025, the Company held the 6th training program for national-level nuclear emergency rescue forces, building a high-quality exchange platform for "learning policies, practicing skills, and promoting coordination" for national nuclear emergency response sector. Furthermore, the coordinated response capabilities of China's nuclear emergency rescue forces have been effectively improved through real-world exercises.

Case **Strategic partnership in action: CGN Engineering leads nuclear energy industry chain coordination**

In May 2025, CGN Engineering finalized four rounds of procurement contract signings for nuclear energy projects with 30 suppliers across the design, equipment, manufacturing, and construction and installation sectors at the General Assembly of the Guangdong Nuclear Energy Industry Alliance. A total of 163 contracts were signed, totaling over 37.2 billion yuan. At the same time, the Alliance expanded its membership to 195 companies, further enhancing the Company's influence and appeal within the nuclear equipment industry chain and promoting coordinated industrial development and high-quality cooperation.

Case **CGN Engineering releases the digital supply chain system, WE-LINK, to promote intelligent collaboration in the nuclear power industry**

At the Advanced Equipment and Industrial Chains Sub Forum in November 2025, CGN Engineering officially released the digital supply chain system, WE-LINK, hailed as an "intelligent collaboration center of the nuclear power industry", successfully connecting more than 5,400 nuclear power industry chain enterprises all over the country. This move enabled "cloud collaboration" across the entire process of design, manufacturing, delivery, operation and maintenance, marking a new era of intelligent collaboration for China's nuclear power equipment industry. The platform has attracted about 5,400 industrial chain partners. The Company joined hands with seven partners to build a "digital supply chain benchmarking demonstration zone" to facilitate the alignment between the platform and the regulatory system, and continue to expand the digital intelligence ecosystem of the nuclear power industry.

Case **CNPRI co-hosts the Advanced Nuclear Energy Forum of the 4th China Nuclear Energy High-quality Development Conference**

In November 2025, the "Advanced Nuclear Energy Forum" co-hosted by CNPRI and other units attracted nearly 300 representatives from the government, universities, research institutes and enterprises. The Forum, themed "Digital Intelligence Empowers Advanced Nuclear Energy and Drives Advanced Reactor Technology Innovation", with a focus on cutting-edge technologies such as advanced nuclear energy technology and intelligent design software, deeply discussed the R&D progress and application of advanced reactors. Through cross-sectoral exchanges between industry, university and research, the forum showcased our achievements in digital intelligence empowerment, technological innovation and industrial collaboration, and provided experience and reference for the high-quality development of China's advanced nuclear energy technology.

Case **CGN Operations and CGN Engineering unveil innovative equipment to the 2025 Shenzhen International Nuclear Energy Industry Innovation Expo**

In November 2025, at the 4th China Nuclear Energy High-Quality Development Conference & Shenzhen International Nuclear Energy Industry Innovation Expo, CGN Operations and CGN Engineering unveiled a suite of innovative equipment. "Wukong", a generator inspection robot (which operates without rotor removal), intelligent instrument pipeline water filling and air exhausting device, direction prediction method for three-phase asynchronous motor, and intelligent board tester displayed by CGN Operations enable intelligent operation and maintenance and improve safety and efficiency. "Wukong" robot can complete stator-rotor gap inspection and autonomous troubleshooting without removing the rotor. CGN Engineering presented "Hualong One" third-generation nuclear power technology, advanced construction technology, spent fuel dry storage technology, and supercritical water oxidation technology, covering the entire chain of construction, operation, and waste management. It shows that nuclear power engineering is modernized, eco-friendly, and efficient. This appearance highlights the Company's comprehensive innovation strength in nuclear power operation and maintenance, construction, and environmental protection technologies, setting a benchmark for the high-quality development of the nuclear industry.

Together with Communities for a Cleaner Future

Opportunities and Challenges

As China accelerates its energy transition and public engagement deepens, the enterprise-community relationship is evolving from project coexistence to collaborative value creation. As a key player in the nuclear industry, CGN Power endeavors to ensure energy security and promote clean development. Meanwhile, the Company faces new expectations arising from rising public awareness and diverse community needs. How to strengthen communication and mutual trust, respond to concerns, and share development achievements—all while upholding rigorous safety standards—is not only a key CSR task but also a vital opportunity to deepen public recognition and secure the foundation for sustainable growth.

Strategies and Decisions

CGN Power integrates community development into its overall sustainability strategy, with continued efforts to advance the 3N harmonious community development concept. Focusing on safety collaboration, communication and mutual trust, and value sharing, the Company systematically promotes coordinated development with projectadjacent communities. Through improved public communication mechanisms, responsive handling of reasonable concerns, and active sharing of development outcomes, the Company continues to strengthen the foundation of trust with local communities. At the same time, we actively engage in the national rural vitalization strategy. By leveraging industrial resources and local resource endowments, we explore diverse pathways to promote the long-term, stable, and sustainable development of communities and villages.

Goals and Progress

Our Goals

- To improve the multi-level public communication and participation mechanism and practice the principle of integrity and transparency to consolidate the foundation of trust between nuclear power projects and their surrounding communities
- To deepen collaborative and sharing practices and actively respond to community concerns to channel the fruits of corporate growth into local development through shared efforts
- To expand forms of philanthropy and social cooperation with a focus on the needs of livelihood improvement and primary-level development to contribute to a better community economy and a more resilient society

Progress in 2025

- 23 permanent exhibition halls, attracting 250,000 public visits and engaging 100,000+ students & teachers in the "Nuclear Science in Schools" campaign by a hybrid way
- 28.535 million yuan of donations for rural vitalization, disaster relief and other causes

Community Communication

CGN Power regards community communication as a key pillar of its social responsibility efforts. The Company continuously improves its information communication mechanisms to be more standardized and regular, facilitating us to track community voices and respond to public concerns in a timely manner. Through diverse channels of interaction, we integrate information disclosure with public participation to enhance the relevance and effectiveness of communication, strengthening mutual understanding and trust between our projects and local communities.

Diverse communication channels

With the philosophy of "building a project, driving the local economy, and benefiting the people", CGN Power embeds public communication across all stages of nuclear power projects. We make continuous efforts to improve the multi-channel and multi-level communication system with a focus on critical stages such as project decision-making, construction and operation management. By standardized information disclosure, diversified public participation methods, and unblocked feedback channels, we respond to public concerns, and connect public oversight with enterprise management, creating a favorable social environment for the smooth progress of nuclear power projects.

Whole-process transparent communication mechanism

Planning and design stage

Establishing a communication and coordination mechanism

We strengthen communication with government departments, neighboring residents and other stakeholders, balance the demands and expectations of all parties, and improve the transparency of project planning and design. We also timely communicate with the public and invite the public to participate in environmental impact assessment, publicly disclose project-related information, environmental impact, and safety distance, and invite the locals to participate in activities such as questionnaire surveys, open experience days, and seminars.

Protecting the legitimate rights of residents

In partnership with the government, neighborhood committees (village committees), etc., we jointly publicize the national nuclear energy development strategies, nuclear power science knowledge, and compensation policies for land acquisition. We actively track the actual needs of the local residents, and moderately adjust the project planning and design scheme, fully respecting and safeguarding their legitimate rights. All important processes of the project are publicized.

Engineering construction stage

Strengthening the transparent management of core demands

To address core demands of the public, such as zero radiation, zero noise pollution, zero safety accidents, zero negative impact on the living environment, etc., we have strengthened the transparency management during the construction phase. We also disclose our safety management measures and the impact of the radiation environment during project construction, striving to eliminate public doubts and smoothly implement the project.

Inviting the public to visit the construction sites

We provide regular updates on the environmental impact of nuclear power plants, green construction standards, and relevant policies and regulations. Key construction milestones are publicly communicated, and surrounding residents are invited to visit the site, offering them a firsthand look at our safe, well-managed, and environmentally responsible construction practices.

Production and operation stage

Making safety information public

Each operating nuclear power site under our management has established a dedicated nuclear safety information platform, providing the public with real-time access to monthly operational data, including capacity factors, radiation protection, industrial safety, waste management, and environmental monitoring. In accordance with regulations, any incident occurring after fuel loading is disclosed with applicable regulations, fully safeguarding the public's right to know about nuclear power operations. Notably, the "Nuclear and Radiation Safety Information" platform of Daya Bay NPP was the first of its kind in China dedicated to publicly disclosing operational safety information of NPPs.

Unblocking communication channels

Each nuclear power site under our management has established a dedicated webpage and official social media accounts to proactively disclose information to the public. Through regular press conferences, interviews, site visits, open days, and publications, we keep competent authorities and the media informed in a timely manner, while also receiving public inquiries via telephone, fax, and email. We regularly hold "Public Experience Day" events, welcome public visits to our sites, open nuclear power science exhibition halls, and carry out communitybased science outreach activities in various forms, enhancing public understanding of nuclear energy.

Community relationships management

Honors

Taishan Nuclear was recognized as a **Provincial Youth Science Education Base (2024).**

Huizhou Nuclear was honored as a **"National Education Base for Nuclear Science Popularization" by the China Nuclear Energy Association.**

CGN Power advances community relations with an open and inclusive approach, continuously exploring diversified communication channels to foster positive interaction between the Company and local communities. Through cultural exchange activities, science education programs, and public experience days, we actively listen to community voices and strengthen mutual understanding and trust. Nuclear power science exhibition halls at our nuclear power sites and surrounding cities are continuously enhanced, offering the public an accessible and engaging way to learn about nuclear power development and safety practices, and to better appreciate its role in the energy transition. In parallel, we regularly organize the "Nuclear Science in Schools" campaign to popularize nuclear knowledge and build broader public awareness and support for the nuclear energy industry.

9
Press conferences/media briefings held

23
Permanent science exhibition halls

250,000
Public visits

150
Schools involved in the "Nuclear Science in Schools" campaign

100,000+
Participants (including teachers and students)

Case 8·7 Public Experience Day: Creating a new paradigm for nuclear science educational tour

During the 2025 "8.7 Public Experience Day," 80 junior high school students from Guangdong, Hong Kong, Macao, and Inner Mongolia gathered at the Daya Bay Nuclear Power Site for a five-day, fournight nuclear science educational tour. The program covered core topics including nuclear energy principles, safety culture, green practices, and cutting-edge technology. The Company also partnered with educational tour institutions at ten major nuclear power sites to integrate nuclear science outreach with industry-themed educational tours, signing cooperation agreements with travel agencies and tour operators to authorize the use of teaching resources. The event garnered widespread attention, with over 40 articles published by more than 20 mainstream media outlets. The live broadcast reached over 450,000 viewers, and total online exposure exceeded 300 million views, effectively enhancing public awareness and recognition of nuclear power.

Case Engaging the community through multidimensional outreach

SNPI provides regular science outreach for primary and secondary school students, community residents, and kindergartners in summer childcare programs. Through diverse methods such as guided tours, interactive experiences, experimental demonstrations, science fairs, and games, nuclear expertise is translated into accessible knowledge. This approach enhances public understanding of the safety and green value of nuclear power. Over the past three years, our science lecturers have visited more than 20 schools and 6 summer childcare programs, extending our science popularization bases to various public spaces across Suzhou. At the same time, we have organized special events like clean energy science fairs together with local governments and enterprises, serving over 17,000 participants, with a peak single-event attendance of 12,000. These activities cover schools, communities, and urban public space, fostering greater public understanding and acceptance of clean energy.

Case Taishan Nuclear bridges public communication through a "3D Science Outreach" model

Committed to transparency and targeted communication, Taishan Nuclear has elevated its public communication strategy through a "three-dimensional (3D) Science Outreach" model characterized by "inviting in, reaching out, and cross-regional exchange." The company refined its educational tour scenarios and reservation systems, collaborating with local travel agencies to launch a study tour integrating nuclear science education with Qiaoxiang cultural heritage. Locally, Taishan Nuclear partnered with city associations to host 10 science tours, welcoming nearly 3,000 students and residents. Additionally, a dedicated science lecture team delivered engaging sessions across 21 primary and secondary schools, while science fairs engaged approximately 2,000 participants. On a broader scale, cross-regional exchanges with Hong Kong and Macao involved around 1,000 teachers, students, and representatives. Collectively, these initiatives foster deeper public understanding and trust in nuclear safety and green development.

Case **Ningde Nuclear enhances public awareness through diverse science outreach initiatives**

In 2025, Ningde Nuclear launched 30 batches of science outreach initiatives across schools, communities, villages, science museums,and public experience tours, engaging 6,236 participants. The initiatives covered primary and secondary school students, the elderly and the community members in Fuzhou, Ningde, Fuding, and beyond. Key highlights included the May 29 "June 1st" event, where four schools were designated as "Ningde Nuclear Science Popularization Bases" and students were named "Science Popularization Advocates" to bring nuclear knowledge to rural campuses. Later, from July 11–15, a collaborative exhibition at the local science and technology museum drew 2,780 visitors. Through these immersive experiences, the company significantly bolstered public confidence in nuclear safety and green development.

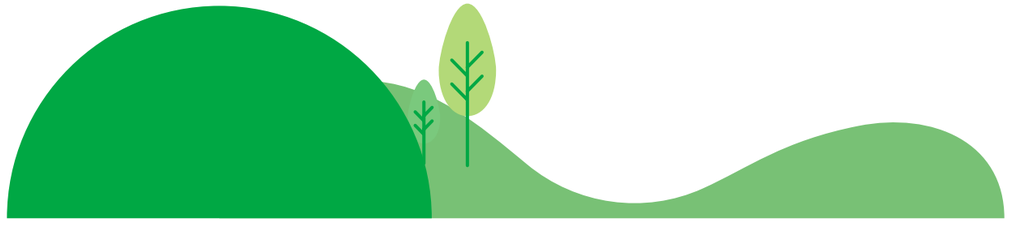
Case **Yangjiang Nuclear works with government agencies to build a new paradigm of public communication**

Yangjiang Nuclear partnered with local government agencies to establish on-site teaching points, dedicated to analyzing the current status and future prospects of Yangjiang's clean energy industry. This initiative aims to expand strategic horizons for building Yangjiang into a "Green Energy Capital." To optimize these facilities, Yangjiang Nuclear organized on-site visits and expert seminars, and co-developed premium educational courses. These efforts were designed to deepen public understanding and acceptance while delivering targeted communication on nuclear energy. In 2025 alone, four sessions of these on-site teaching activities were launched.

Case **Hongyanhe Nuclear deepens public communication through diversified science outreach**

Hongyanhe Nuclear continues to develop and operate nuclear science outreach facilities, hosting regular public visits and educational activities. Leveraging the regional public communication mechanism for nuclear and radiation safety in Northeast China, Hongyanhe Nuclear strengthens coordination with regulatory authorities, local governments, and universities to organize educational programs on key occasions, including National Safety Education Day, World Environment Day, clean energy science fairs, and public experience days, continuously enhancing the reach and public recognition of nuclear science outreach.

Online VR tours recorded 29,600 visits, while offline public tours welcomed over 3,500 visitors. Nuclear science outreach in schools reached nearly 4,000 students. The Hongyanhe Nuclear Science Exhibition Booth at the Dalian Urban Planning Exhibition Center attracted more than 120,000 visitors. During the first National Science Popularization Month, Hongyanhe Nuclear organized nine activities across three categories—science courses, site tours, and special events—engaging nearly 2,000 students from nine schools. In parallel, the company produced the "Light of Electricity" Lecture: A Visit to Hongyanhe Nuclear video series, which was streamed on platforms including China Science Communication, accumulating nearly 5 million total online views.



Driving Development

CGN Power remains committed to the rural vitalization strategy and targeted assistance initiatives, systematically building a "four-in-one" support system that integrates industry, technology, talent, and organizational development—guided by the principles of precision, innovation, and sustainability. The Company continuously advances rural vitalization efforts in Guangxi, Guangdong, Fujian, and other regions to consolidate and expand poverty alleviation achievements while stimulating the endogenous momentum of rural communities. Solid progress has been made in implementing the "HundredsThousandsTenThousand Initiative" for High-Quality Rural Development to support the sustainable development of rural economy and society.

25.22 million yuan invested in assistance funds, with **11** central government designated assistance projects implemented in 2025

Honors

Three cases of CGN Power were selected as **"Best Practice Cases for Rural Vitalization by Listed Companies" and "Good Practice Cases for Rural Vitalization by Listed Companies"**

Strengthening organizational support

Enhancing the leadership-driven promotion

The Chairman personally leads the rural vitalization leading group, assuming primary responsibility for the Company's targeted assistance efforts. These initiatives are given high priority on the corporate agenda and are advanced in a coordinated manner. Twice during the Reporting Period, the President led teams to the front lines of assistance in Lingyun, Leye, and other areas in Guangxi to inspect key projects—such as the "Egret Class" in local schools—providing onsite guidance and addressing challenges. The team also visited and encouraged stationed personnel.

Strengthening the guiding role of planning

In alignment with the national rural vitalization strategy and the specific needs of targeted assistance counties, the Company formulated and published the 2025 Targeted Assistance Work Plan, outlining 13 key tasks across five priority areas—industry, ecology, talent, consumption, and wholevillage assistance. Key initiatives include the Lingyun wind power project, Leye water purification plant, soil improvement programs, the "Egret Class," the "Rainbow Plan," grassroots personnel training, expanded consumption-driven assistance, and model village construction. The *Evaluation Standards for Rural Vitalization Work* was also issued to strengthen guidance and ensure that all subsidiaries implement their assistance tasks in a standardized and targeted manner, comprehensively enhancing work effectiveness.

Improving management personnel selection and management

CGN Power continues to refine the selection mechanism for seconded personnel, introducing open recruitment for the first time to select first village secretaries. Two outstanding young officials have successfully completed their terms in Lingyun and Leye counties and have been rotated to each other's posts in an orderly manner. We fully implement monthly tracking, bimonthly reporting, and semiannual summary mechanisms to supervise seconded personnel, strengthening process management and capacity building. As a result, we have ensured tangible results in industrial development, community service, and other assistance efforts. Symposiums are organized for the handover of seconded personnel, where assistance performance contracts are signed to clarify tasks and consolidate responsibilities. All seconded personnel are invited to return to Lingyun and Leye counties to share their experiences and sustain their passion for assistance work through mutual exchange and emotional engagement.

Enhancing industrial assistance

Ensuring targeted and efficient use of pro bono assistance funds to maximize benefits for local farmers

In 2025, 19 million yuan was invested in pro bono assistance funds to Lingyun and Leye counties, focusing on energy development and drinking water security that brings significant benefits to farmers. We selected 4 wind power projects with outstanding expected benefits in Lingyun to develop the "wind power assistance program", and invest 8.7 million yuan in pro bono assistance funds. The program attracted a total of 55 million yuan from central convergence funds allocated by Lingyun County and Guangdong-Guangxi collaborative assistance funds. Throughout its 20-year operation, the program will provide sustained dividends to 57 village collectives out of poverty in Lingyun. Six million yuan of pro bono assistance funds was invested in Leye to build a modern water purification plant in Gantian Town, which effectively ensured the drinking water safety of nearly 10,000 residents and significantly improving rural quality of life.

Scaling up consumption-driven assistance to enhance the quality and performance of local specialty industries

We anticipated in the SASAC central enterprises' consumption support initiative, with employees' annual per capita purchases of agricultural products from Lingyun and Leye counties exceeding RMB 400. Summer parentchild programs were organized, and the signature campaign "Let's Go to Baise Together" continued to be enriched. Throughout the year, over 600 people took part in joint PartyUnion activities in Lingyun and Leye counties, generating 1.42 million yuan in direct consumption-driven assistance procurement. We also advanced the presale of agricultural products and introduced NFC kiwifruit juice (Not from Concentrate), selling nearly 30,000 boxes (50,000 kg) and helping local village collectives achieve total revenue of over 1.7 million yuan.

Case Leye wind power project: Powering rural vitalization with clean energy dividends

CGN Power invested two million yuan in assistance funds to support the Leye Wind Power Assistance Project, which integrates clean energy development with rural vitalization—exploring a sustainable pathway for industrial assistance. The project adopts an innovative benefitsharing mechanism featuring "dividends + gifted shares + guaranteed returns." This mechanism provides stable and continuous dividends for over 20 years to 63 local village collectives that have been lifted out of poverty, fundamentally strengthening the economic foundation of these collectives. To date, the project has distributed a total of 28.44 million yuan in dividends, increasing the average income of 48 formerly impoverished villages by approximately 370,000 yuan and that of 15 oncedeeply impoverished villages by about 730,000 yuan. The project benefits nearly 110,000 local residents, and has effectively enhanced the selfdevelopment capacity of village collectives. Recognized for its innovative model and significant economic and social benefits, the project has received multiple honors—including the "Best Practice Case for Rural Vitalization by Listed Companies"—providing a replicable clean energy assistance model for rural vitalization.

Case Crossvillage collaboration empowers strong villages to drive weak ones for greater income

Ningde Nuclear has paired Jingu Village in Fuding City with Baiyang Village, a nationally recognized model village in moderate prosperity construction, leveraging nuclear power resources to facilitate experience sharing, resource integration, and industrial coordination. By complementing ecological assets with proven development models, the initiative explores a new pathway of "nuclear power + rural vitalization" and is expected to increase Jingu Village's annual income by over 200,000 yuan, offering a replicable model for achieving common prosperity in eastern Fujian.

Case "Let's Go to Baise Together": A signature brand drives rural vitalization

"Let's Go to Baise Together" is a signature rural vitalization brand developed by CGN Power, centered on its targeted assistance efforts in Guangxi. By organizing and mobilizing employees to participate in activities in the region, the Company stimulates local cultural tourism and industrial development while strengthening ideological guidance and organizational coconstruction, advancing rural vitalization in a comprehensive manner. From 2023 to 2025, three major platforms—Party spirit education, talent training, and employee care—have been progressively established. As activities diversify and assistance models evolve from pilot exploration to systematic advancement, "Let's Go to Baise Together" has become a key brand practice in fulfilling social responsibility and serving rural vitalization.

During the Reporting Period, over 600 people were attracted to engage in joint Party-Union activities in Lingyun and Leye, generating 1.42 million yuan in direct consumption-driven assistance procurement and bringing in nearly 20 million yuan in social donations and assistance-related agricultural product purchases. These efforts effectively improve local people's livelihood, promote the development of specialty industries, and continue to unleash the brand effect.

Advancing talent development

Building a stronger brand for educational support

We continue to enrich the "Egret Class" educational support project. To date, 20 "Egret Classes" have been established across six schools in Lingyun and Leye counties, covering all grades from primary to high school. In the 2025 national college entrance examination, students from these classes once again achieved outstanding results—96 students were admitted to undergraduate programs, achieving a 100% college admission rate. The program has now helped over 600 students gain admission to undergraduate universities. At the same time, we have expanded the "Rainbow Plan," organizing 17 volunteer teachers and donating books, clothing, and other essential supplies. The initiative has provided targeted assistance to 311 children, promoting their physical and mental wellbeing.

Maximizing the impact of skill training

We organized specialized training for grassroots management personnel, rural vitalization leaders, and technical personnel, reaching a total of 3,797 participants in 2025, as a means to consolidate the county's talent base. In May 2025, a rural vitalization training course for grassroots management personnel was held in Shanghai and Suzhou. Combining classroom instruction with onsite visits, the program enabled management personnel from Lingyun and Leye to systematically enhance their policy understanding and practical innovation capabilities.

Case **"Egret Class" breaks the cycle of poverty through systematic education**

Launched in 2017 for ethnic minority students in Lingyun County, Guangxi, CGN Power's "Egret Class" education support project was expanded to Leye County in 2020. The project focuses on "talent development" and "educational equality"—key pillars of rural vitalization. Through sustained and systematic support, it explores a long-term pathway to break the intergenerational cycle of poverty through education. It has developed a "3+1+X" standardized assistance system that integrates teaching support, resource provision, and growth guidance. By embedding the belief that "knowledge can change destiny" into daily teaching and student development, the project transforms the assistance model from one-time funding to systematic education, continuously enhancing the stability and sustainability of educational support.

In 2025, recognized by education authorities, the project has achieved sustained results in promoting educational equality and supporting comprehensive rural vitalization, offering a replicable model for rural talent development.

Developing model villages

CGN Power continues to invest resources and allocates one million yuan to each designated assistance villages for industrial development and rural governance. We redouble efforts to build Longhuai Village and Banhong Village—where first village secretaries have been dispatched—into model villages for rural vitalization, generating replicable experience for broader application.

In Longhuai Village

a dualengine approach centered on industrial vitalization and rural construction has fostered a development pattern with sericulture as the mainstay, complemented by multiple other industries.

- Solid strides were made in industrial vitalization. In 2025, mulberry planting expanded by over 33 hectares, bringing the total area to more than 267 hectares, with farmers earning an average net income of approximately 18,000 yuan per hectare. Village collective enterprises sold over 8,000 silk quilts, creating 30 local jobs and increasing per capita income by 20,000 yuan. Sales of "Lingyun Huoquan" mountain spring water reached 868 tons, generating over 1.9 million yuan in revenue. Agricultural and cultural educational tours attracted 435 participants, contributing 150,000 yuan in income. Village-level industrial companies achieved annual revenue exceeding 8 million yuan, with a profit of around 940,000 yuan and cumulative tax payments of 460,000 yuan, boosting the village's collective economic income by nearly 1 million yuan.
- Steady progress was also made in rural construction. Through the "assistance funds + self-funding and self-construction" model, the paving rate of rural roads exceeded 99%. Over 20,000 yuan was invested to improve conditions in rural primary schools. In addition, we collaborated with colleges and universities to provide plant breeding training, continuously strengthening the soft power of rural development.

In Banhong Village

systematic implementation of the "Two Reds, One Belt" development pathway has driven rural vitalization and delivered tangible results.

- Strengthening the red-fleshed kiwifruit industry. Through a village collective stake in a 13.33-hectare kiwifruit demonstration garden, we introduced a smart agricultural system and built a new fruit sorting plant, helping increase income for farmers and village collectives by nearly 2 million yuan.
- Deepening integrated red culture and tourism development. By leveraging red resources, we hosted over 4,300 visitors through themed education, employee recuperation, and educational tours. This generated over 2 million yuan in local consumption, driving the upgrading of rural business formats.
- Enhancing the consumption-driven assistance mechanism. Leveraging labor unions, logistics procurement and other channels, we actively help sell high-quality local specialties, generating nearly 3 million yuan in sales revenue. It is expected to increase the income of village collective to 620,000 yuan. Concurrently, we are advancing infrastructure development, including road paving and safe drinking water initiatives. We also deliver regular community support in education, healthcare, and elderly care, thereby strengthening the foundations of rural vitalization.

Giving Back to Society

CGN Power continues to integrate the fulfillment of social responsibility into corporate development practices. The Company systematically organizes and participates in various charity activities and volunteer service focusing on key areas such as environmental protection, community co-construction, education support and care for disadvantaged groups, demonstrating its responsibility in supporting sustainable community development.

10,715
Volunteers

364
Public welfare service sessions participated

13,522.3 hours
Volunteer service and social welfare activities

28.535 million yuan
Total external donations

Voluntary service and charity

CGN Power strengthens service capacity building, and continues to improve public services and infrastructure construction in communities. With a focus on transportation, energy, education, medical care and other fields, we keep improving the quality of life and services for community residents through systematic planning and precise investment, striving to improve both corporate development and community well-being.

Infrastructure benefits people's livelihood

- Hongyanhe Nuclear donated 900,000 yuan to the Dalian Youth Development Foundation for the playground reconstruction project of Honghe Hope Middle School. The Company continues to implement nuclear energy heating demonstration projects in the vicinity of Hongyanhe Town, achieving positive heating outcomes.
- Fangchenggang Nuclear has improved the teaching conditions of local and surrounding schools by donating charitable supplies and educational electronic equipment, renovating teaching buildings, upgrading football fields, and supporting robot team building. A total of 750,000 yuan was invested in educational donations in 2025.
- Ningde Nuclear has directly invested more than 30 million yuan for road and bridge construction, sympathy visits, educational aid and disaster relief etc. Yujing Village has transformed from a remote and impoverished village into a popular tourist destination with an annual reception of more than 700,000 tourists, becoming a "National Key Village for Rural Tourism."

Charity warms people's heart

- Hongyanhe Nuclear has organized the Double Ninth Festival Care Campaign for 14 consecutive years. In 2025, it sent care packages to people over the age of 80, totaling 745 households, and provided paired assistance to impoverished families in Dazui Village.
- Ningde Nuclear held the Double Ninth Festival themed event, collaborating with multiple parties including civil affairs and social organizations to provide over 100 elderly villagers with diversified services such as free medical consultations and haircuts, holiday sympathy visits, collective birthday celebrations, and wedding photo shoots.
- Taishan Nuclear provided free domestic water to the surrounding villagers during the dry season, and organized special visits to local residents in need and senior citizens, delivering care packages containing essential items such as food and oil.
- Zhaoyuan Nuclear organized various volunteer activities, including tree planting and voluntary blood donation.
- CGN Operations conducted 29 volunteer activities including beach cleaning, library book sorting, blood donation, and elderly care visits at nursing homes, involving more than 90 volunteers.
- Yangjiang Nuclear took the lead in coordinating 8 companies with 11 administrative villages and fisheries committees in Dongping Town to explore new pathways to promote the comprehensive vitalization of rural areas, and carry out assistance efforts across multiple dimensions for households that have been lifted out of poverty, such as visits and educational support. A volunteer service team was established, which fully integrated professional expertise to carry out over 40 volunteer service sessions such as medical outreach, electrical circuit repairs, and house leak repair services.

Rescue to ensure safety

- CGN Engineering cumulatively donated more than 800,000 yuan for public infrastructure renovation and other projects. It donated clothes worth over 400,000 yuan together with other charitable enterprises and organizations to Leye County, Baise, Guangxi, a typhoon-affected area, and facilitated the introduction of 200,000 yuan in social funds.

Education cultivates talent

- Hongyanhe Nuclear has continuously supported local education, providing Teachers' Day caring visits to 114 teachers in Hongyanhe Town. The Company organized employee voluntary teaching programs at Lanjin Primary School in Lingyun County, Guangxi Province and conducted public welfare activities on an ongoing basis, such as college application guidance, golden autumn student assistance, first lesson of the new semester, and support for underprivileged children.
- Huizhou Nuclear signed the "Egret Class" education assistance and co-construction agreement with local middle schools to carry out student assistance activities and support the development of education in the Gaotan revolutionary base area. Lufeng Nuclear donated 1.4 million yuan in special funds to the Lufeng Municipal Education Bureau for the "Egret Class".
- CGN Operating has organized more than 60 volunteers to participate in the "Rainbow Project", and go to students' families to carry out home visits and volunteer teaching, helping educational equality and community development with practical actions.

Honors

In April 2025, "Good Neighbor" project of Taishan Nuclear was selected as **2024 sci-tech voluntary service model**

Case **Yangjiang Nuclear builds a "red line of defense" for post-disaster reconstruction to fight against "Ragasa"**

In September 2025, Typhoon "Ragasa" hit Yangjiang directly, causing damage to infrastructure in Yunbo Village, Da'ao Fishing Village and other places in Dongping Town, and disrupted the production and daily lives of residents. Yangjiang Nuclear responded quickly by activating emergency plans and forming a pioneer team of more than 100 volunteers. This team headed to the front line of the disaster to carry out relief cleaning, help resumption of work and production, and investigate hidden danger, demonstrating its commitment to social responsibility as a central SOE.

In Yunbo Village, Dongping Town, volunteers cleared 5 kilometers of roads, dredged drainage ditches and assisted in repairing power and communication facilities. In Da'ao Fishing Village, they assisted in cleaning up silt at the fishing port pier and investigated electrical circuits and fire hazards. In Chengnan Street, they improved living environments, removed garbage and disinfect public areas to ensure the safety of residents' lives. At the same time, Yangjiang Nuclear allocated special funds for repairing infrastructure and purchasing epidemic prevention materials to accelerate the resumption of work and production in the affected areas.

Case **Yangjiang Nuclear promotes the construction to improve rural infrastructure**

Taking the selection of Yunbo Village as a Guangdong provincial rural vitalization demonstration village as an opportunity, Yangjiang Nuclear implements the quality improvement project to optimize the living environment and rural appearance. By connecting the village's main ring road with multiple key nodes, beautifying the river and building greenways and coastal walkways and connecting the entrance square, homestays and industrial nodes to form a rural vitalization theme corridor. The project covers infrastructure construction such as road paving and widening, sidewalk expansion, transformer relocation, installation of street lamps and garbage kiosks, house facades renovation, greening improvement and upgrading of rainwater and sewage diversion pipelines. The project has completed the paving of nearly 1km of asphalt roads, the widening of 350m of sidewalks, the installation of 165 streetlights and 11 waste stations, the facade renovation of 49 buildings, and the greening improvement of 7,000 m2. In addition, Yunbo River greenway and a coastal park have been built. These efforts have significantly improved villagers' lives and facilitated sustainable rural development.

Case **Huizhou Nuclear paves the "people's road" to activate new momentum for rural vitalization**

In July 2025, the Huangbu section of the county road Paiji Line and the village road of Shapu Village in Huangbu Town, both funded by Huizhou Nuclear, were finished and opened to traffic. The project achieved road widening, asphalt paving and solar street lamp coverage, addressing residents' transportation difficulties, improving traffic efficiency, and facilitating logistics along the line and increase shop turnover. It formed an ecological chain of "green commuting + rural consumption". Taking into account both environmental protection and rural landscape construction, the Project establishes a long-term mechanism through the "Enterprise-Local Co-construction Five-Year Plan" to coordinate infrastructure, industry, education and educational tour resources, and promotes the implementation of the "green infrastructure + ecological empowerment" model. This has become a model for central enterprises in contributing to rural vitalization, and achieving win-win results for people's livelihoods and the industrial development.

Cultural inheritance

CGN Power continues to promote community cultural development, and integrates culture into daily life and community growth. Based on volunteer services and public welfare activities, and through multiple methods, including artistic activities and science popularization, we deepen the interaction between enterprises and communities, enhance community cohesion and identity, and build a harmonious community.

Integration of culture and tourism

Relying on the surrounding green energy industry chain and historical and cultural resources, Lufeng Nuclear has created special industrial tourism routes, displaying Lufeng Nuclear's brand image of "safe, green and responsible" and the achievements of the "Hualong One".

Fangchenggang Nuclear attracted educational tour groups and cultural tourism resources by creating a "nuclear power + ecology" route and cooperating with surrounding agricultural photovoltaic and specialty planting bases, thus promoting the integrated development of local cultural tourism industry and emerging agriculture.

Ningde Nuclear launched an industrial tourism reservation system, integrating immersive science popularization, storytelling and online and offline interaction to create a multi-dimensional public communication platform.

Hongyanhe Nuclear joined hands with local cultural and tourism departments to launch the 2025 industrial tourism program. By adopting an integrated model of "humanities + ecology + industry + study tours", this promotes the deep integration of nuclear science popularization, cultural inheritance and public openness, showing the harmonious coexistence of major national infrastructure and urban development.

Inheritance of intangible cultural heritage

Using the ecological business card of the Chinese white dolphin as a link, Yangjiang Nuclear has integrated nuclear science popularization and intangible cultural heritage innovatively, and vividly interpreted the sustainable development concept of harmonious coexistence between nuclear power, nature and culture through co-creation of cultural and creative products and public participation activities.

Cultural co-construction

Lufeng Nuclear has organized cultural co-construction activities to promote the combination of the essence of cultural traditions with distinctive local characteristics and ethnic charm, including Yinge dance, Zhengzi opera, dragon and lion dances, with Lufeng Nuclear's corporate culture and enterprise spirit, so as to continuously broaden cultural carriers, strengthen cultural exchanges, and support local cultural industries.

Case **Creating a "walking classroom" to realize mutual success for study tours and cultural tourism**

Giving full play to its advantages in industrial tourism resources, Yangjiang Nuclear has pioneered in carrying out educational tours within the Group, working with local governments to create a special educational tour route featuring "nuclear science and technology + fishing village culture + agricultural experience", and regularly holding a "Yangdong Dongping Study Tour Promotion Conference" to cultivate a group of nuclear science popularization rural commentators. In 2025, nearly 30,000 students from schools in various cities in Guangdong Province have visited Yangjiang Nuclear for study tours, generating over 450,000 yuan in additional income for village-level collective enterprises hosting the activities. This has increased revenue for local service industries such as restaurants and hotels by more than one million yuan. Yangjiang Nuclear's corporate image of "safety, green development, innovation and responsibility" has also taken root in the hearts of students through its nuclear science popularization resources, local cultural tourism characteristics, and educational practice.

Independent Assurance Report

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China General Nuclear Power Co., Ltd. 2025 Environmental, Social and Governance Report
Independent Assurance Report

安永华明(2026)专字第70017657_H01号

To the Board of China General Nuclear Power Corporation：

Scope of Our Engagement
We have been engaged by China General Nuclear Power Co., Ltd. (the "Company") to perform a "limited assurance engagement", as defined by International Standards on Assurance Engagements, here after referred to as the engagement, to report on the Company's selected matter (the "Subject Matter") contained in China General Nuclear Power Co., Ltd.'s 2025 Environmental, Social and Governance Report (the "ESG Report").

Other than as described in the preceding paragraph, which sets out the scope of our engagement, we did not perform assurance procedures on the remaining information included in the Report, and accordingly, we do not express a conclusion on this information.

Criteria applied by China General Nuclear Power Co., Ltd.
In preparing the 2025 ESG Report, China General Nuclear Power Co., Ltd. applied the *Rules Governing the Listing of Securities* of The Stock Exchange of Hong Kong Limited (the *"Listing Rules"*) Appendix *C2 Environmental, Social and Governance Reporting Code*(the "*ESG Code*"), as well as the requirements for sustainability-related information disclosure and social responsibility under the *Self-Regulatory Guidelines No. 17 for Companies Listed on Shenzhen Stock Exchange—Sustainability Report (For Trial Implementation)*(the "*Guidelines*") and the *Self-Regulatory Guidance No. 3 for Companies Listed on Shenzhen Stock Exchange—Preparation of Sustainability Report* (the *"Guidance"*). It also refers to the principles outlined in the *Shenzhen Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 1 – Standardized Operations of Main Board Listed Companies*(the "Standard Operations of Main Board Listed Companies"), the *Shenzhen Stock Exchange Self-Regulatory Guide for Listed Companies No. 1 – Business Processing*(the *"Business Processing"*), and the *Shenzhen Stock Exchange Self-Regulatory Guidelines for Listed Companies No. 3 – Industry Information Disclosure*(the *"Industry Information Disclosure"*), along with the standards selected by CGN Power (hereinafter referred to as the *"Preparation Basis"*).

China General Nuclear Power Co., Ltd.'s responsibilities
China General Nuclear Power Co., Ltd.'s management is responsible for selecting the Criteria, and for presenting the Subject Matter in accordance with that Criteria, in all material respects. This responsibility includes establishing and maintaining internal controls, maintaining adequate records and making estimates that are relevant to the preparation of the subject matter, such that it is free from material misstatement, whether due to fraud or error.

EY's responsibilities
Our responsibility is to express a conclusion on the presentation of the Subject Matter based on the evidence we have obtained.

We conducted our engagement in accordance with the International Standard for Assurance Engagements Other Than Audits or Reviews of Historical Financial Information ('ISAE 3000 (Revised)'), and the terms of reference for this engagement as agreed with China General Nuclear Power Co., Ltd. in December 2025.Those standards require that we plan and perform our engagement to express a conclusion on whether we are aware of any material modifications that need to be made to the Subject Matter in order for it to be in accordance with the Criteria, and to issue a report. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risk of material misstatement, whether due to fraud or error.

We believe that the evidence obtained is sufficient and appropriate to provide a basis for our limited assurance conclusions.

China General Nuclear Power Co., Ltd. 2025 Environmental, Social and Governance Report
Independent Assurance Report (Continued)

安永华明(2026)专字第70017657_H01号

Our independence and quality management
We have maintained our independence and confirm that we have met the requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, and have the required competencies and experience to conduct this assurance engagement.

EY also applies International Standard on Quality Management 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services engagements*, which requires that we design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Description of procedures performed
Procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. Our procedures were designed to obtain a limited level of assurance on which to base our conclusion and do not provide all the evidence that would be required to provide a reasonable level of assurance.

Although we considered the effectiveness of management's internal controls when determining the nature and extent of our procedures, our assurance engagement was not designed to provide assurance on internal controls. Our procedures did not include testing controls or performing procedures relating to checking aggregation or calculation of data within IT systems.

A limited assurance engagement consists of making enquiries, primarily of persons responsible for preparing the Subject Matter and related information, and applying analytical and other appropriate procedures.

We planned and performed our work in accordance with the requirements of ISAE 3000. In order to form our conclusion, we performed the following procedures:

At the request of the management of China General Nuclear Power Co., Ltd., we selected the following locations to perform assurance procedures on the key ESG performance information for 2025 disclosed in the ESG Report:

- China General Nuclear Power Co., Ltd. Headquarters
- Guangxi Fangchenggang Nuclear Power Co., Ltd.

We did not perform limited assurance procedures at any other locations.

We have performed assurance procedures on the selected 2025 Key performance indicators disclosed in the ESG Report as follows:

<u>Safety</u>
- Nuclear incidents of level-2 or above
- Ratio of units achieving the world's excellent level (the world's top decile) in WANO indicators
- Ratio of units achieving the world's advanced level (the world's top quartile) in WANO indicators

<u>Environment</u>
- Installed capacity of units under construction (MW)
- On-grid nuclear power generation (GWh)
- Standard coal consumption reduced converted from on-grid nuclear power generation (million tons)
- CO_2 emissions reduction equivalent from on-grid nuclear power generation (million tons)
- Total amount of electricity purchased by subsidiaries (MWh)
- CO_2e (Scope 2) from subsidiaries (excluding nuclear power, green electricity, and green certificates) (ten thousand tons)
- Freshwater consumption (ten thousand tons)
- Water consumption per unit of on-grid power generation (ton/GWh)

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China General Nuclear Power Co., Ltd. 2025 Environmental, Social and Governance Report
Independent Assurance Report (Continued)

安永华明(2026)专字第70017657_H01号

Description of procedures performed (Continued)

Social

- Number of employees
- Number of ethnic minority employees
- Number of fresh graduate employees recruited
- Percentage of employees by gender
  Male
  Female
- Percentage of employees by profession category
  Management personnel
  Business functional personnel
  On-site operation and support personnel
  Other technical personnel
- Percentage of employees by age
  Aged 28 and below
  Aged 29 to 35
  Aged 36 to 45
  Aged 46 and above
- Percentage of employees by educational background
  Junior College or lower
  Bachelor's degree
  Master's degree
  Doctor's degree
- Percentage of employees by geographical region
  Within Shenzhen
  Outside Shenzhen

The limited assurance procedures we carried out are following:

1) Conducted interviews with relevant personnel to understand the process of collecting, organizing and reporting procedures of critical information during the reporting period;
2) Evaluated whether calculation methodologies were properly applied in accordance with the reporting framework outlined in the preparation basis;
3) Performed analytical procedures on datasets and raised management inquiries regarding identified significant variances to obtain explanatory evidence;
4) Conducted sampling tests on acquired data to verify the accuracy of information;
5) Other procedures we considered necessary.

Conclusion

Based on our procedures and the evidence obtained, we are not aware of any material modifications that should be made to the Subject Matter in the ESG Report, in order for it to be in accordance with the Criteria.

Ernst & Young Hua Ming LLP

March 25, 2026
Beijing, China

Contribution to the UN SDGs

SDGs	CGN Power's Actions	Main Chapters
1 NO POVERTY	Support rural vitalization, carry out a series of assistance initiatives, pay attention to vulnerable groups in society, and promote social harmony	Driving Development Giving Back to Society
3 GOOD HEALTH AND WELL-BEING	Pay attention to the occupational health and safety of employees, adhere to the management policy of "safety first, prevention foremost, comprehensive governance", and take relevant supporting measures	Occupational Health and safety
4 QUALITY EDUCATION	Support poverty alleviation through educational development, improve the education in poverty-stricken areas, and narrow the urban-rural education gap	Driving Development
5 GENDER EQUALITY	Adhere to the principle of open, just, fair and equal competition, and implement gender equality	Employee Rights
6 CLEAN WATER AND SANITATION	High priority to the efficient utilization and sustainable assurance of water resources, strengthen the operation and maintenance of the water supply system to ensure water use efficiency and the sustainability of water supply.	Resource Utilization
7 AFFORDABLE AND CLEAN ENERGY	Promote clean energy development, ensure the safe operation of nuclear power and provide more economical and high-quality clean energy for society	Stable Operation Climate Change
8 DECENT WORK AND ECONOMIC GROWTH	Enhance corporate governance and operational efficiency, respect and safeguard employee rights, build a diverse workforce, and provide adequate support for employee development.	Corporate Governance Employee Rights Talent Development
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	Construct power infrastructure, enhance innovation capabilities and optimize energy development technologies	Engineering Exemplar Technological Innovation Supply Chain Management
10 REDUCED INEQUALITIES	Support rural revitalization, targeted assistance, and the Hundreds-Thousands Ten-Thousand Initiative consolidate and expand the achievements in poverty alleviation, and contribute to the sustainable economic and social development of rural areas.	Driving Development
11 SUSTAINABLE CITIES AND COMMUNITIES	Promote collaborative development with local communities through joint efforts in community safety, mutual communication and trust, and shared value creation.	CSR Feature Community Communication
12 RESPONSIBLE CONSUMPTION AND PRODUCTION	Improve overall nuclear power efficiency, reduce resources consumption and waste discharge, and ensure radioactive waste emissions meet national standards	Upholding Safety as the Cornerstone of Operation Climate Change Radioactive Materials Management Resource Utilization
13 CLIMATE ACTION	Adhere to nuclear power development, improve energy mix and nurture green concepts to reduce carbon emissions	Upholding Safety as the Cornerstone of Operation Climate Change Nuclear Power Ecology
14 LIFE BELOW WATER	Attach importance to the impacts of power plant construction and operation on surrounding life below water, and take measures to protect the life below water around the community	Radioactive Materials Management Resource Utilization Ecological Nuclear Power
15 LIFE ON LAND	Attach importance to the impacts of power plant construction and operation on surrounding flora and fauna on land, and take measures to protect the life on land around the community	Radioactive Materials Management Ecological Nuclear Power
16 PEACE, JUSTICE AND STRONG INSTITUTIONS	Integrate ESG principles into the entire process of operation and management, establish a systematic business ethics management system.	Corporate Governance Business Ethics
17 PARTNERSHIPS FOR THE GOALS	Enhance competitiveness and synergy in the nuclear power industry chain, and establish a mutually beneficial strategic partnership with upstream and downstream companies	Supply Chain Management Multi-party Cooperation Common Prosperity in the Industry

Major Laws and Regulations

ESG Fields	Major laws, regulations and normative documents
A1 Emissions	*Environmental Protection Law of the People's Republic of China* *Law on Prevention and Control of Radioactive Contamination of the People's Republic of China* *Atmospheric Pollution Prevention and Control Law of the People's Republic of China* *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste* *Regulations for Environmental Radiation Protection of Nuclear Power Plants* *Technical Requirements for Discharge of Radioactive Liquid Effluent from Nuclear Power Plants* *Pollution Control Standard for Storage and Landfill of General Industrial Solid Waste* *Regulations on Safety Management of Hazardous Chemicals* *Pollution Control Standard for Hazardous Waste Storage* *Working Guidance for Carbon Dioxide Peaking and Carbon Neutrality in Full and Faithful Implementation of the New Development Philosophy*
A2 Use of Resources	*Environmental Protection Law of the People's Republic of China* *Environmental Impact Assessment Law of the People's Republic of China* *Water Law of the People's Republic of China* *Energy Conservation Law of the People's Republic of China* *Energy Law of the People's Republic of China* *Water Conservation Regulations*
A3 Environmental and Natural Resources	*Environmental Protection Law of the People's Republic of China* *Water Law of the People's Republic of China* *Marine Environmental Protection Law of the People's Republic of China* *Measures for Ecological Environment Supervision of Ecological Conservation Red Lines (Trial)* *China's Biodiversity Conservation Strategy and Action Plan (2023-2030)*
B1 Employment	*Company Law of the People's Republic of China* *Labor Law of the People's Republic of China* *Labor Contract Law of the People's Republic of China* *Law of the People's Republic of China on Promotion of Employment*
B2 Health and Safety	*Work Safety Law of the People's Republic of China* *Fire Protection Law of the People's Republic of China* *Law of the People's Republic of China on the Prevention and Control of Occupational Diseases* *Measures for the Supervision and Administration of Work Safety by Central State-owned Enterprises* *Healthy China Action Plan (2019-2030)* *Notice on Promoting the Construction of Healthy Enterprises* *Code for the Construction of Health Enterprises (Trial)* *Measures for the Supervision and Administration of Employers'Occupational Health Surveillance*

ESG Fields	Major laws, regulations and normative documents
B3 Development and Training	/
B4 Labor Standards	*Regulations on Democratic Management of Enterprises* *Regulations on Workers'Congress of Industrial Enterprises under the Ownership of the People* *Opinions on Strengthening Democratic Management in Corporate Enterprises issued by the All-China Federation of Trade Unions* *Guiding Opinions on Establishing and Improving the System of Central State-owned Enterprise Workers' Congress issued by SASAC* *Notice on Regulations of the Grassroots Trade Union Member Conference issued by the All-China Federation of Trade Unions* *Law of the People's Republic of China on Trade Unions*
B5 Supply Chain Management	*Law on Tendersand Bidsofthe People's Republic of China* *Guiding Opinions on Standardizing the Procurement Management of Central State-owned Enterprises*
B6 Product Responsibility	*Atomic Energy Law of the People's Republic of China* *Nuclear Safety Law of the People's Republic of China* *Law on Prevention and Control of Radioactive Contamination of the People's Republic of China* *The Regulations on Civil Nuclear Facility Safety Supervision and Administration of the People's Republic of China* *The Regulations on Supervision and Administration of Civil Nuclear Safety Equipment* *The Regulations on the Safety of Site Selection for Nuclear Power Plants* *The Safety Requirements for Nuclear Power Plant Operation* *The Regulations on Safety of Management Systems of Nuclear Power Plants Electric Power Law of the People's Republic of China* *Electric Power Law of the People's Republic of China* *Cybersecurity Law of the People's Republic of China* *Data Security Law of the People's Republic of China* *Personal Information Protection Law of the People's Republic of China* *National Cyberspace Security Strategy* *Cybersecurity Review Measures*
B7 Anti-corruption	*Criminal Law of the People's Republic of China* *Law for Countering Unfair Competition of the People's Republic of China* *Anti-money Laundering Law of the People's Republic of China* *Interim Provisions of the State Administration for Industry and Commerce on Prohibiting Commercial Bribery* *Several Suggestions Concerning the Applicable Law in Handling Criminal Commercial Bribery Cases Issued by the Supreme People's Court and the Supreme People's Procuratorate* *Several Explanation Concerning the Applicable Law in Handling Criminal Corruption Bribery Cases Issued by the Supreme People's Court and the Supreme People's Procuratorate*
B8 Community Investment	*Opinions on Comprehensively Promoting Rural Vitalization and Accelerating Agricultural and Rural Modernization Issued by State Council* *Implementation Opinions on Accelerating the Transformation and Development of Rural Energy and Supporting Rural Vitalization* *Rural Vitalization Promotion Law of the People's Republic of China*

Key Performance Indicators

Safety

Item	Indicator	2023	2024	2025
Nuclear Safety	Number of nuclear power units in operation	27	28	28
	Ratio of WANO indicators achieving the world's advanced level (the top quarter)	77.47%	86.31%	85.12%
	Unplanned shutdowns (times)	3	2	0
	Number of nuclear incidents of level-2 or above[33]	0	0	0
Personal Safety (including employees and contractors)	Fatalities	0	0	0
	Fatality rate per 100,000 persons in engineering construction	0	0	0
	Number of serious injuries (times)	0	0	0
Fire Safety	Number of fire accidents	0	0	0
Radiation Protection	Accidental over-exposures (times)	0	0	0
	Loss of radiation sources (times)	0	0	0
	Number of internal contamination accidents (cases)	0	0	0

Environmental

Indicator	2023	2024	2025
Carbon dioxide equivalent generated in Scope 1 (ton)	4,820.85	4,631.58[34]	5,448.85
Carbon dioxide equivalent generated in Scope 2(10,000 tons)[35]	2.58	1.87	2.65
Carbon dioxide equivalent produced in Scope 3 (10,000 tons)	/	114.03[36]	116.07
CO_2 emissions equivalent reduced from produce of clean energy (10,000 tons)	17,645.67	21,455.58[37]	21,496.69
SO_2 emissions emissions equivalent reduced from produce of clean energy (10,000 tons)	1.78	1.75	1.79
NOx emissions emissions equivalent reduced from produce of clean energy (10,000 tons)	2.85	2.84	2.91

[33] According to the International Nuclear Event Scale (INES), there is a 7-level event classification system. Events of greater safety significance (Levels 4-7) are termed "accidents" and events of lesser safety significance (Levels 1-3) are termed "incidents." Events without safety significance are termed "deviations" and not classified.

[34] In 2025, the Company newly acquired five nuclear power project companies, and the 2024 data has been updated accordingly.

[35] Data from 2023 onwards is calculated based on the carbon dioxide emission factors for the power sector published by the Ministry of Ecology and Environment.

[36] In 2025, the Company newly acquired five nuclear power project companies, and the 2024 data has been updated accordingly.

[37] The 2024 data is calculated based on the carbon dioxide emission factors for fossil fuel power generation nationwide in 2024, as published by the Ministry of Ecology and Environment.

Water Resources Management

Indicator	2023	2024	2025
Fresh water consumption (10,000 tons)	1,011	1,036.38[38]	1,088.38

Energy management

Indicator	2023	2024	2025
Diesel consumption by subsidiaries (ton)	1,451.71	1,386.43	1,611.84
Gasoline consumption by subsidiaries (ton)	111.62	116.01	156.83
Comprehensive energy consumption by subsidiaries (10,000 tons of standard coal)	123.81	133.31	136.92

Social

Indicator		2023	2024[39]	2025
Number of total employees		19,038	21,383	22,928
Number of ethnic minority employees		998	1,177	1,252
Proportion of employees by different types				
Gender	Female	11.88%	11.75%	11.63%
	Male	88.12%	88.25%	88.37%
Profession category	Management personnel	11.56%	7.10%	8.29%
	Business functional personnel	88.44%	5.93%	5.45%
	On-site operation and support personnel	11.56%	12.92%	13.34%
	Other Technical personnel	88.44%	74.05%	72.92%
Employment category	Full-time	99.87%	100%	100%
	Part-time	0%	0%	0%
Age	Aged 28 and below	19.04%	24.86%	28.89%
	Aged 29 to 35	28.84%	23.50%	19.56%
	Aged 36 to 45	37.31%	37.84%	37.71%
	Aged 46 to 49	14.81%	4.71%	4.58%
	Aged 50 and above	14.81%	9.09%	9.26%

[38、39] In 2025, the Company newly acquired five nuclear power project companies, and the 2024 data has been updated accordingly.

指标名称		2023	2024	2025
Educational background[40]	Junior college or lower	4.70%	3.94%	3.33%
	Bachelor's degree	74.40%	73.81%	73.27%
	Master's degree	19.71%	21.04%	22.00%
	Doctor's degree	1.18%	1.21%	1.40%
Geographical region[41]	Within Shenzhen	28.47%	29.78%	39.77%
	Outside Shenzhen	71.53%	70.22%	60.23%
Employee turnover rate[42]				
Gender	Female	0.23%	0.08%	0.18%
	Male	1.67%	0.81%	1.34%
Age	Aged 28 and below	0.37%	0.51%	0.56%
	Aged 29 to 35	0.46%	0.27%	0.16%
	Aged 36 to 45	0.32%	0.20%	0.19%
	Aged 46 and above	0.02%	0.03%	0.43%
Geographical region	Within Shenzhen	0.55%	0.38%	0.41%
	Outside Shenzhen	1.02%	0.51%	0.61%
Employee training[43]				
Average training hours per employee (hours)		138.5	165.23	142.37
Training rate of senior managers		100%	100%	100%
Training rate of middle managers		100%	100%	100%
Training rate for male		100%	100%	100%
Training rate for female		100%	100%	100%
Public welfare and social communication				
Total rural vitalization and other donations (million yuan)		25.5696	28.63[44]	28.535
Volunteering hours (hours)		18,615	10,900	13,522.3
Sessions of press conference		9	5	9

[40, 41, 42, 43, 44] In 2025, the Company newly acquired five nuclear power project companies, and the 2024 data has been updated accordingly.

ESG Index

The Company has complied with the "Mandatory Disclosure Requirement" and "Comply or Explain" provision set out in Appendix C2 ESG Code Guide of the Listing Rules of SEHK. Table 1 provides an overview of indicator compliance. Table 2 is the index table of the core topics of the Self- Regulatory Guidelines No. 17 for Companies Listed on Shenzhen Stock Exchange—Sustainability Report (For Trial Implementation).

Table 1:

Aspects	Indicator	Indicator description	Chapters/ Remarks
A1:Emissions	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non- hazardous waste	Major Laws and Regulations Climate Change Environmental Management System Radioactive Materials Management Resource Utilization
	A1.1	The types of emissions and respective emissions data	Climate Change Radioactive Materials Management Resource Utilization
	A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility)	Radioactive Materials Management Resource Utilization
	A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility)	Resource Utilization
	A1.5	Description of emission target(s) set and steps taken to achieve them	Climate Change
	A1.6	Description of how hazardous and nonhazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them	Radioactive Materials Management Resource Utilization
A2:Use of Resources	General Disclosure	Policies on the efficient use of resources including energy, water and other raw materials	Major Laws and Regulations Environmental Management System Resource Utilization
	A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in'000s) and intensity (e.g. per unit of production volume, per facility)	Climate Change
	A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility)	Resource Utilization
	A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them	Climate Change Resource Utilization
	A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them	Resource Utilization
	A2.5	Total packaging material used for finished products (in tonnes) and, if applicable,with reference to per unit produced	Our products are electricity, so it is not applicable
A3 Environmental and Natural Resources	General Disclosure	Policies on minimizing the issuer's significant impact on the environment and natural resources	Major Laws and Regulations Ecological Nuclear Power
	A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them	Ecological Nuclear Power

Aspects	Indicator	Indicator description	Chapters/ Remarks
B1 Employment	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare	Major Laws and Regulations Occupational Health
	B1.1	Total workforce by gender, employment type (for example, full or part-time), age group and geographical region	Employee Rights
	B1.2	Employee turnover rate by gender, age group and geographical region	Employee Rights
B2 Health and Safety	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards	Major Laws and Regulations Occupational Health and Safety
	B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year	Key Performance Indicators
	B2.2	Lost days due to work injury	Safety Management Engineering Exemplar Occupational Health and Safety
	B2.3	Description of occupational health and safety measures adopted, how they are implemented and monitored	Occupational Health and Safety
B3 Development and Training	General Disclosure	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities	Major Laws and Regulations Talent Development
	B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management)	Talent Development
	B3.2	The average training hours completed per employee by gender and employee category	Talent Development
B4 Labor Standards	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labor	Major Laws and Regulations Employee Rights
	B4.1	Description of measures to review employment practices to avoid child and forced labor	Employee Rights
	B4.2	Description of steps taken to eliminate such practices when discovered	Employee Rights
B5 Supply Chain Management	General Disclosure	Policies on managing environmental and social risks of the supply chain	Major Laws and Regulations Supply Chain Management
	B5.1	Number of suppliers by geographical region	Supply Chain Management
B5 Supply Chain Management	B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored	Supply Chain Management
	B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored	Supply Chain Management
	B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored	Supply Chain Management
B6 Product Responsibility	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress	Major Laws and Regulations Safety Management Stable Operation Engineering Exemplar Cybersecurity and Data Security Occupational Health and safety Our products are electricity, and the advertising and labelling indicators not applicable
	B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons	Our products are electricity, so it is not applicable
	B6.2	Number of products and service-related complaints received and how they are dealt with	Safety Management
	B6.3	Description of practices relating to observing and protecting intellectual property rights	Technological Innovation
	B6.4	Description of quality assurance process and recall procedures	Our products are electricity, so it is not applicable
	B6.5	Description of consumer data protection and privacy policies, how they are implemented and monitored	Cybersecurity and Data Security
B7 Anti-corruption	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering	Major Laws and Regulations Business Ethics
	B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases	Business Ethics
	B7.2	Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored	Business Ethics
	B7.3	Describe of the anti-corruption training provided to directors and employees	Business Ethics
B8 Community Investment	General Disclosure	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests	Major Laws and Regulations CSR Feature Community Communication
	B8.1	Focus areas of contribution (e.g. education, environmental concerns, labor needs, health, culture, sport)	CSR Feature Driving Development Giving Back to Society
	B8.2	Resources contributed (e.g. money or time) to the focus area	CSR Feature Driving Development Giving Back to Society

Table 2:

Dimension	Topics	Chapters
Environmental	Addressing climate change	Climate Change
	Pollutants Emissions	Environmental Management System Radioactive Materials Management Resource Utilization
	Waste disposal	Environmental Management System Radioactive Materials Management Resource Utilization
	Ecosystem and biodiversity protection	Ecological Nuclear Power
	Environmental compliance management	Environmental Management System
	Energy utilization	Resource Utilization
	Water resources utilization	Resource Utilization
	Circular economy	Climate Change Resource Utilization
Social	Rural vitalization	CSR Feature Driving Development
	Social contribution	CSR Feature Driving Development Giving Back to Society
	Innovation-driven development	Cybersecurity and Data Security Technological Innovation
	Ethics of science and technology	Not applicable
	Supply chain security	Supply Chain Management
	Equal treatment of small and medium-sized enterprises	Supply Chain Management
	Product and service safety and quality	Safety Management Stable Operation Engineering Exemplar
	Data security and customer privacy protection	Cybersecurity and Data Security
	Employees	Employee Rights Talent Cultivation Occupational Health and Safety
Sustainability-related governance	Due diligence	ESG Governance
	Stakeholder communication	Stakeholder Communication CSR Feature Community Communication
	Anti-commercial bribery and anti-corruption	Business Ethics
	Anti-unfair competition	Business Ethics

Feedback Form

Thank you for reading the 2025 Environmental, Social and Governance Report published by CGN Power. In order to provide you with more valuable information, continuously improve our ESG endeavors and performance, and optimize our CSR capability , we sincerely invite you to fill out the following form and send us feedback by email, fax, post or scanning the QR code. We eagerly look forward to your precious opinions.

Our contact details:

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Scan the QR code and fill out the questionnaire online.

Your evaluation on this report (please tick in the option)

1. The report highlights our efforts and impact on economic, environmental and social aspects.

☐ Very good ☐ Good ☐ Fair ☐ Poor ☐ Very poor

2.The information and indicators disclosed in this report is clear, accurate and complete.

☐ Very good ☐ Good ☐ Fair ☐ Poor ☐ Very poor

3.The content layout and design of this report is readable.

☐ Very good ☐ Good ☐ Fair ☐ Poor ☐ Very poor

4. Which part(s) of this report are you most interested in?

5. What additional information would you expect to be disclosed in this Report?

6.Do you have any suggestions for our future ESG reports?

Natural Energy Powering Nature

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