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GLOSSARY

"Fugu Wind Farm"

"ESG"	Environmental, Social and Governance
"ESG Report" or "the Report"	Environmental, Social and Governance Report
"Jingneng Clean Energy" or "the Group" or "we"	the Company and its subsidiaries
"the Year" or "the Report Period" or "2021"	1 January, 2021 to 31 December, 2021
"the Company"	Beijing Jingneng Clean Energy Co., Limited
"Hong Kong Stock Exchange"	The Stock Exchange of Hong Kong Limited
"Beijing Branch"	Beijing Jingneng Clean Energy Co., Limited Beijing Branch
"Inner Mongolia Branch"	Beijing Jingneng Clean Energy Co., Limited Inner Mongolia B
"Northeast Branch"	Beijing Jingneng Clean Energy Co., Limited Northeast Branch
"Northwest Branch"	Beijing Jingneng Clean Energy Co., Limited Northwest Branch
"Southern China Branch"	Beijing Jingneng Clean Energy Co., Limited Southern China B
"Southwest Branch"	Beijing Jingneng Clean Energy Co., Limited Southwest Branc
"Australia Branch"	Beijing Jingneng Clean Energy Co., Limited Australia Branch
"Jingfeng Gas"	Beijing Jingfeng Natural Gas-fired Power Co., Ltd.
"Jingqiao Power"	Beijing Jingqiao Thermal Power Co., Ltd.
"Jingxi Power"	Beijing Jingxi Gas-fired Power Co., Ltd.
"Jingyang Power"	Beijing Taiyanggong Gas-fired Power Co., Ltd.
"Shangzhuang Power"	Beijing Shangzhuang Gas-fired Power Co., Ltd.
"Weilai Power"	Beijing Jingneng Weilai Gas-fired Power Co., Ltd.
"Gaoantun Power"	Beijing Jingneng Gaoantun Gas-fired Power Co., Ltd.
"BEH"	Beijing Energy Holding Co., Ltd.
"the PRC" or "China"	the People's Republic of China
"Shangyi Wind Farm"	Shangyi Jingneng New Energy Co., Ltd.

Fugu Jingneng New Energy Co., Ltd.

ABOUT THE REPORT

Purpose of the Report

The Report is the 2021 Environmental, Social and Governance Report published by the Group. The Report aims to disclose the principles, management systems and related practices of Jingneng Clean Energy in fulfilling its ESG obligations in 2021, and to respond to stakeholders regarding their concerns about the ESG issues.

Reporting Period

The Report is an annual report covering the period from 1 January, 2021 to 31 December, 2021.

Reporting Scope

The Report covers the Group's ESG objectives, management systems, key initiatives, and activities related to the Company's operations. The Key Performance Indicators ("KPIs") disclosed in the Report covers the Group's primary operating locations, including its headquarters and subsidiaries. The subsidiaries of the Company include Beijing Branch, Inner Mongolia Branch, Northeast Branch, Northwest Branch, Southern China Branch, Southwest Branch, Australia Branch, Jingfeng Gas, Jingqiao Power, Jingxi Power, Jingyang Power, Shangzhuang Power, Weilai Power and Gaoantun Power.

Reporting Standards

The Report is prepared in accordance with Appendix 27 the Environmental, Social and Governance Reporting Guide (the "ESG Reporting Guide") under the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited and with reference to the Task Force on Climate-related Financial Disclosures (TCFD) Recommendation Report. The Report follows the four reporting principles of materiality, quantitative, balance and consistency, and the "comply or explain" provisions and mandatory disclosure requirements in the ESG Reporting Guide.

- Materiality: The Group determines the degree of influence of internal and external stakeholders on ESG-related matters through the materiality assessment process, so as to focus on the response and disclosure of issues that have material impacts.
- Quantitative: The Group has established a statistical mechanism for the measurable KPIs specified in the ESG Reporting Guide and disclosed the calculation results in the Report with the indication of the calculation basis and statistical methods.
- Balance: The Report reflects objective facts and discloses both positive and negative indicators.
- Consistency: Most indicators in the Report are consistent with the disclosure and statistical methods adopted in previous
 years. The Company is continuously improving the collection and disclosure system of KPIs. The statistical method of
 specific indicators has been adjusted compared to the previous years were clearly illustrated in the Report.

Information Explanation

All information disclosed in the Report is sourced from the Group's internal documents. Unless otherwise specified, all amounts disclosed in the Report are denominated in RMB. There are no false records, misleading statements or material omissions in the Report.

Feedback and Contact

The Company sincerely looks forward to listening to your valuable opinions and suggestions to enhance our ESG capabilities and standards. For more information on the Company's environmental, social and corporate governance, please refer to the Company's official website (http://www.jncec.com/) and annual report. If you have any comments or suggestions, please contact us by email at zhengquanbu@jncec.com.

ABOUT JINGNENG CLEAN ENERGY

Overview of The Company

As a holding subsidiary of BEH, the Company was established in August 2010 and listed on the main board of the Hong Kong Stock Exchange on 22 December, 2011. The Group's line of business covers several provinces, municipalities and autonomous regions such as Beijing, Inner Mongolia, Ningxia, Sichuan, Hunan and Guangdong, and partial Australian markets. The Group is mainly engaged in the businesses of gas-fired power and heating, wind power, photovoltaic power, small to medium-sized hydropower and other clean energy generation businesses, which is a crucial value realisation section of BEH in the clean energy industry chain. As the largest gas-fired heat supplier in Beijing and leading enterprise of wind and photovoltaic power in China, we operate seven gas-fired heat power plants in Beijing, and owns a few wind power franchise, photovoltaic forerunner and other leading projects in the industry.

Focusing on the core work line of "clean energy", the Group has built a "2 + 2 + N" industrial pattern, aiming to optimise and consolidate the two core businesses of renewable energy power generation, gas-fired power generation and natural gas supply, incubate new businesses and development directions by investing in the full cycle of upstream and downstream of the industrial chain while seizing the core technologies and resources. The strategic plan will be implemented by diversifying the business portfolio, deepening the development of lower-tier markets, and promoting energy trading efficiency and ecological cooperation. We adhere to the strategic principle of "green and low-carbon, high-quality development, innovation-driven and people-oriented", follow the development of "the 14th Five-Year plan", establish in the new development phase, implement the new development concept, fit in the new development structure, seize energy revolution opportunities, improve energy security, emphasise green and low-carbon development, and strive to become a world-class clean energy service provider in Beiling.

High-Quality Development

Implement the new development concept thoroughly to enhance the strengths, and make up for the weakness; Achieve high-quality development by strengthening the international competitiveness.

Green and Low carbon

Follow the goals of the "carbon neutrality" and "carbon peak", we actively plan the top-level design of carbon neutrality and formulate the timetable and roadmap for the company to achieve the goals.

Innovation-Driven

Focus on the main business, drive innovation, operate safely, improve quality and efficiency, enhance technological innovation capabilities, and achieve connotative growth.

People-Oriented

Improve employee career development paths and motivate employees to realize their own values, creating a cohesive and harmonious corporate atmosphere.

During the Reporting Period, due to the increase in the installed capacity of wind power and photovoltaic power, as well as the distributed power generation of gas-fired power and heat energy, the Group achieved significant growth in its operating revenue. During the Reporting Period, the operating revenue of the Year was 18.359 billion, and the total consolidated installed capacity was 12,444 MW, the total power generation of the Year was 32.683 billion kWh.

Operating revenue of the Year

18.359 billion

Total consolidated installed capacity

12,444 MW

Total power generation of the Year

32.683 billion kWh

Business Type	Installed Capacity (MW)	Total Power Generation of the Year (billion kWh)	Number of New Projects of the Year
Gas Power and Heat	4,702	19.254	0
Wind Power	4,110	7.410	8
Photovoltaic Power	3,213	4.193	3
Hydropower	419	1.826	0

2021 Honours and Awards

Awardee	Awarding Organisation	Name of Award
Jingqiao Power	National High-tech Enterprise Certification	High-tech Enterprise Certification
Gaoantun Power	and Management Leading Group	
Beijing Municipal Government		Model of the Capital Spiritual Civilisation Organisation
lingvi Dower	Beijing Enterprise Confederation	Second Prize of the 35th Beijing Enterprise Management Modernisation Innovation Achievement
Jingxi Power	Joint Conference of Beijing Traffic Safety Department	2021 Municipal Traffic Safety Advanced Unit in Beijing
	Beijing Water Authority	Beijing Water-saving Unit
Jingfeng Gas	China Equipment Management Association	2021 Model Entity for Equipment Management Informatisation and Intelligence
	Beijing Municipal Government	Model of the Capital Spiritual Civilisation Organisation
Shangzhuang Power	China Installation Association	China Installation Engineering Quality Award
	China Electric Power Construction Enterprise Association	2021 China Power Quality Project

ESG GOVERNANCE

Jingneng Clean Energy has always been highly acknowledged the necessity of ESG management to promote the sustainable development of the enterprise, and strictly complies with the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited and the relevant provisions of the Articles of Association of the Company laws, regulates the main responsibility of governance, strengthens compliance and risk control, and continuously improves the overall ESG management level. The Company regularly organises meetings and training, discusses ESG-related regulatory updates and trends, constantly updates the rules and cases required for performing the duties, and actively communicates with stakeholders in various forms to listen to their expectations, so as to improve the capability of the Company's compliant operation and the senior management in performing their duties in corporate governance, to achieve the ESG goals in a win-win situation.

Board Statement

The board of directors (the "Board") of Jingneng Clean Energy, as the highest responsible and decision-making institution for the ESG matters, always attaches great importance to ESG governance to achieve its high-quality development. In order to improve the level of the ESG management and protect the rights and interests of all stakeholders, on a macro-level, the Board identified ESG-related risks and opportunities during the Year and studied ESG strategic management policies and specific implementation measures. In terms of implementation, the Board participated in the preparation and supervision of the ESG Report and reviewed the evaluation process and the analysis results of material issues. The Board will continue to optimize and improve the ESG management mechanism in the future, deeply integrate the ESG concepts into the Company's business operations, and actively fulfil the green mission of Jingneng Clean Energy. The Report discloses the progress and results of the ESG work of Jingneng Clean Energy in 2021 with details and approved by the Board in March of 2022.

To ensure the efficient implementation of ESG concepts into daily business operations and management, we are actively improving the ESG governance structure and plan to establish an ESG taskforce under the strategy committee of the Board (the "Strategy Committee") in 2022, forming a four-level governance framework consisting of the Board, the Strategy Committee, the ESG taskforce and the ESG responsible departments of each subsidiary. The Board is responsible for evaluating and reviewing the overall ESG objectives, implementation and performance; the strategy committee is responsible for assisting the Board in carrying out ESG strategic deployment, identifying risks, setting goals and reviewing progress; the responsibilities of the ESG taskforce include the implementation and supervision of ESG work, communication and

engagement of stakeholders, preparation of ESG report and other regulated works, facilitate the work from all levels to promote the improvement of ESG management; and the ESG responsible department of each subsidiary implement specific work according to the arrangements of the superiors.

The ESG taskforce will act as the core executive unit of ESG governance of Jingneng Clean Energy, and comprehensively report the management progress of the ESG work to the Strategy Committee; closely cooperate with the decision-making arrangements, requirements and division of labour assigned from the committee. The Group strictly manages the implementation of ESG work of each segment, ensuring a progressive development of various ESG aspects, so as to effectively improve the ESG governance level.



Stakeholder Engagement

Types of stakeholders

The steady development of Jingneng Clean Energy is closely linked to the support of stakeholders. Adhering to the principle of sincere and open communication, the Group is committed to maintaining sufficient communication with stakeholders through various channels and responding to their requirements and expectations by taking appropriate actions in a timely manner, so as to formulate targeted ESG objectives and strategies. The Group's key stakeholders include shareholders and investors, government and regulators, clients and customers, business partners, non-governmental organizations ("NGOs"), employees, the community and the public.





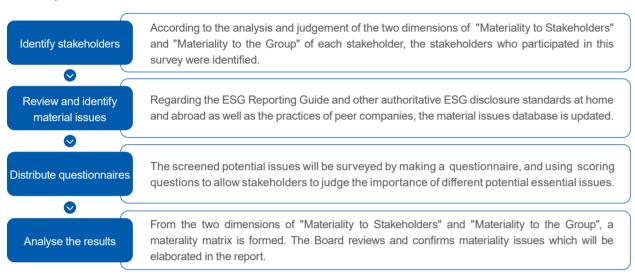
Stakeholders	Shareholders and investors	Government and regulators	Clients and customers	Business partners	NGOs	Employees	Community and the public
Issues of concern	 Operational compliance Green energy development and utilisation Anti-corruption Employment compliance 	Wastewater, Exhaust Gas and Waste management Energy use Employment compliance Operational compliance	 Customer privacy protection Customer health and safety Information security 	 Supply chain management risk Operational compliance Employment compliance Anti-Corruption 	 Climate change action Environmental compliance Prevention and handling of environmental incidents Occupational health and safety 	Occupational health and safety Prevention of child labour and forced labour Remuneration and benefits Operational compliance	 Environmental compliance Ecological protection Poverty alleviation Promoting community development
Communication Mechanism	 General meetings Site visits Announcements and official website information disclosure 	SeminarsWork reportsNegotiation and cooperation	 Clients and customers communication meetings Follow-up investigation 	Work meetingsBusiness communicationSite visits	Business meetingsRoadshow summit	 Labour union and team building activities Daily communication Emails and notices 	 Official website information disclosure Business meetings Public welfare activities

Materiality Assessment

Materiality Assessment Process

To comprehend the impact of different ESG issues on stakeholders and the Group, and then improve the disclosure level of the Report, in 2021, the Group carried out the materiality assessment of ESG issues, collected a total of 196 valid questionnaires, covering 7 categories of internal and external stakeholders, fully understood the concerns of all parties on the Company's fulfilment of social responsibilities, and determined and responded to the content of critical issues.

Materiality Evaluation Process

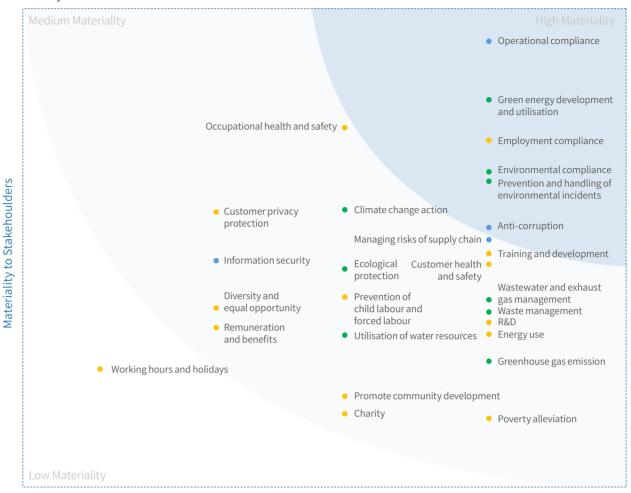


We believe that environmental responsibility, social responsibility and governance responsibility are indispensable parts of the Company's ESG management process. Therefore, the Group classified 27 ESG issues into three categories for assessment, respectively.

List of material issues

Environmental (10)	Social (13)	Governance (4)
Climate change action	Training and development	Anti-corruption
Environmental compliance	Research and development (R&D)	Operational compliance
Greenhouse gas emission	Occupational health and safety	Information security
Ecological protection	Employment compliance	Managing risks of supply chain
Waste management	Diversity and equal opportunity	
Wastewater and exhaust gas management	Remuneration and benefits	
Utilisation of water resources	Prevention of child labour and forced labour	
Green energy development and utilisation	Working hours and holidays	
Prevention and handling of environmental incidents	Customer privacy protection	
Energy use	Customer health and safety	
	Charity	
	Poverty alleviation	
	Promote community development	

Materiality Matrix



Materiality to the Group

● Environmental ● Social ● Governance

Based on the analysis and evaluation of the material issues, 6 highly material issues were selected this Year: Operational compliance, Green Energy development and utilisation, Employment compliance, Environmental compliance, Prevention and handling of environmental incidents, and Anti-corruption. In the Report, we focus on the disclosure of high material issues in response to the concerns of stakeholders.

High Material Issues List

Issues of high importance	Corresponding Section
Operational compliance	Robust Operation and Solid Governance-Compliance Operation
Green Energy development and utilisation	Feature: Clean Energy Empower the Winter Olympics. Robust Operation and Solid Governance-Compliance Operation -Scientific and Technological Innovation Research and Development
Employment compliance	Care for People and Care for the Society-Labour Rights
Environmental compliance	Low-Carbon, Clean and Eco-Friendly-Environmental Management
Prevention and handling of environmental incidents	Robust Operation and Solid Governance -Quality and Safety
Anti-corruption	Robust Operation and Solid Governance -Compliance Operation

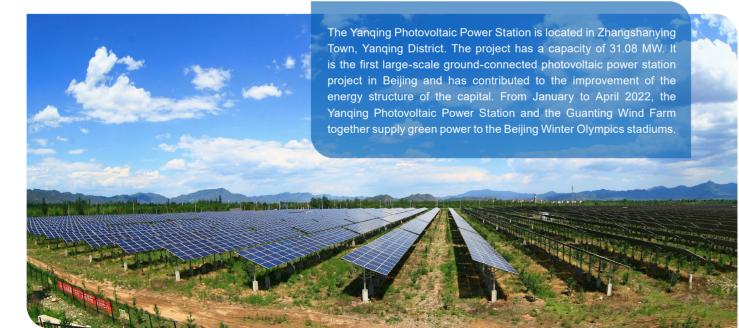
FEATURE

CLEAN ENERGY EMPOWER THE WINTER OLYMPICS

In the autumn of 2021, with the cold waving approaching, the northern region of China has gradually entered the "heating mode". Meanwhile, the opening of the 24th Winter Olympic Games was counting down, which dragged the world's attention. Due to the rising costs resulting from the natural gas shortage, it has been highly challenging to support the energy supply this Winter. Building a safe foundation for the successful hosting of the Winter Olympics has become the top priority for the Group in 2021. To this end, we actively use our clean energy advantages to help the Beijing Winter Olympics.

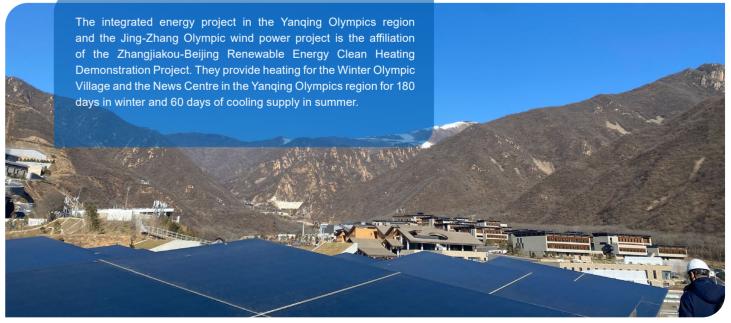
Jingneng Clean Energy's Winter Olympics Projects





As a contracting partner of green power supply for the stadium of the Winter Olympics and Paralympic Winter Games, we planned to construct key supporting projects such as the "Jing-Zhang Olympic Wind Power Project" and the "Yanqing Olympics Region Integrated Energy Project". We utilised clean energy production bases with geographical advantages such as Lumingshan Guanting Wind Farm and Yanqing Photovoltaic Power Station to supply green power for 26 stadiums in 3 Olympics regions, to achieve 100% green operation of all stadiums of the Beijing Winter Olympics for the first time in the history. Beijing Branch has practically taken actions to support energy supply, people's livelihood and the Winter Olympics, contributing Jingneng Clean Energy's intelligence and strength to the 2022 Winter Olympics in Beijing.







Case: Yanqing Olympics region integrated energy project of Beijing Branch

The Beijing Branch is responsible for the integrated energy project of Winter Olympics Village and News Centre in Yanqing District, covering heating, cooling, domestic hot water supply, photovoltaic solar roof, energy storage and smart energy monitoring, with a total functional area of 137,000 square metres. The project transmits green electricity from Zhangjiakou to Beijing through flexible direct current transmission channels, providing green power for the Olympic stadium and supporting facilities. At the same time, the high-voltage electrode boiler is used to achieve 100% renewable energy heating in the entire service area. The project can utilise approximately 18,000,000 kWh of green electricity every year after the completion, reducing carbon dioxide emissions by approximately 3,200 tonnes and providing strong support for the holding of green and low-carbon Olympic Games.





Yanging Olympics region integrated energy project

Internal facilities at Yanging Olympics region

During the preparation period of the project, to ensure the progress of the project, Beijing Branch established the integrated energy department of the Yanqing region of the Winter Olympics to improve the project management system and the division of responsibilities in the shortest time, and promptly carried out project bidding, equipment procurement, business negotiation, and on-site construction management, etc. The department overcame difficulties such as tight schedule, heavy workload, rigorous requirements, high standards, poor environment, and complicated cross-operations. It only took two months to make the project ready for operation and successfully complete the heating task assigned by the Winter Olympics Committee.







Routine morning meetings for the equipment operation updates.

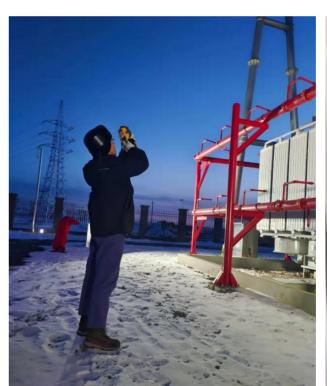
Duty staff records the operating parameters of the equipment in detail, performing inspection every two hours.

Staff perform inspections on the electrical operation status of core equipment.

On 16 October, 2021, this integrated energy project was officially launched to provide heating for the Winter Olympics villages. The project department monitors the temperature, flow and pressure of the energy system through the central control room. It adjusts the operating parameters of the equipment promptly to ensure that the indoor temperature of buildings in the Winter Olympics Village is above 20°C during the opening period of the Winter Olympics, so that athletes and coaches from all over the world can live warmly and comfortably and perform at their best level during the game.

Beijing Branch Jingneng (Zhangjiakou) Green Power Control Centre

In addition, to ensure the power supply for the Winter Olympic Games, the team of the Jingneng (Zhangjiakou) Green Power Control Centre, a centre of the Beijing Branch, was not afraid of severe weather, overcoming difficulties with their due diligence. The team established a power supply support team to secure the power supply of the front-line for the Winter Olympics. It conducted multiple inspections on each power supply equipment, circuit and facility of the wind farm, and continued to carry out equipment testing to ensure the reliable power supply of the wind farm and safeguard the Beijing Winter Olympics and Paralympics.





The on-duty personnel of Shangyi wind farm inspects the 220kV main transformer and switch cabinet in severe cold weather

During the critical period, the integrated energy project department of the Yanqing Olympics region and Jingneng (Zhangjiakou) Green Power Control Centre fulfilled their duties and responsibilities and successfully secured the heating supply with the demonstration of the Group's capabilities. The Party Committee and the management of the labour union of the Beijing Branch highly care about the living of closed-loop supporting personnel for the Winter Olympics, and managed to provide them with logistical support such as the epidemic prevention materials. Labour union staff sent condolences and letters to the family members of personnel who worked at the frontline, expressing the blessings and gratitude from the Company.



ROBUST OPERATION AND SOLID GOVERNANCE











Jingneng Clean Energy continued to strengthen its governance capabilities and operation system, progressively enhancing the compliance and internal control, quality and safety, innovation and R&D, information security and supply chain management, integrating the refined governance into every aspect of production and operation.

Compliance Operation

Quality and Safety

Scientific and Technological Innovation Research and Development

Information Security

ESG REPORT 2021 Beijing Jingneng Clean Energy Power Co., Ltd

Compliance Operation

Internal Control and Compliance

Jingneng Clean Energy attaches great importance to the risk management of the Company and have established a sound internal control system, regularly carry out assessment and risk analysis for the essential business process and formulate major risk control schemes and supervision plans on a yearly basis. In addition, we organise relevant departments and affiliated units to participate in the annual major risk assessment based on the internal and external conditions, strategic objectives and developing status. The Group also cultivates risk prevention and control awareness of employees at all levels, focuses on process control, clarifies key areas, key steps and key personnel, and builds three lines of defence for the compliance risk control. The Group will refine the construction of the internal control system, focus on promoting the "four-in-one" of legal, compliance, internal control risks and standardisation, and build a comprehensive, whole-process risk prevention and control system to ensure the high-quality development of the Company.

We are strictly following the Company Law of the People's Republic of China, the Anti-Money Laundering Law of the People's Republic of China, the Certain Regulations on the Integrity of Leading Personnel of State-owned Enterprises and other relevant laws and regulations. We incorporate the compliant governance throughout the core work of production and operation development, insist on taking multiple measures to strengthen business operations lawfully, continue to carry out compliance inspections in key areas, and standardise the handling procedures of major dispute cases, thereby continuously improving the Group's governing ability.



Case: Jingneng Clean Energy compliance management training meeting

In July 2021, the Company held a compliance management training meeting to introduce the working background, objectives and arrangements for the construction of the compliance system. The meeting mandates the headquarters and all subsidiaries to coordinate and promote compliance management, gradually realise the organic integration of compliance management and the business operation, and build a fully-engaged, whole-process monitoring and fullcoverage compliance system. The meeting raised the overall compliance awareness, further laid the foundation for constructing the Company's compliance management system, and created a sound compliance culture atmosphere for the Company.



Compliance Management Training Meeting

Anti-corruption

We strictly abide by the Company Law of the People's Republic of China, the Anti-Money Laundering Law of the People's Republic of China, the Certain Regulations on the Integrity of Leading Personnel of State-owned Enterprises and other relevant national laws and regulations on the prevention of corruption, bribery, extortion, fraud and money laundering. It has issued and implemented a series of systems and management regulations, such as the Regulations on the Construction and Management of Party Ethics and Clean Government, which stipulates the functions, managerial content and methods of discipline inspection work within the Company. The Company has established an anti-corruption leading group which is fully responsible for the Company's anti-corruption matters. During the Reporting Period, the Group did not have any major violations or legal cases relating to bribery, extortion, fraud and money laundering.

Every year, the Company will sort out and review the internal anti-corruption system, improve the relevant system and process based on the actual situation, and carry out joint supervision and inspection in two main areas of engineering construction and material procurement to prevent corruption risks and adhere to the implementation of anti-corruption work. In addition, the Company has set up multiple reporting channels. Reporting can be made upon any violation or suspicious activities related to bribery, extortion, fraud and money laundering, and the relevant departments will accept the case and manage it accordingly. Any corruption case will be subject to review and transferred to judicial authorities for handling. We strictly implement the Measures for the Administration of Public Complaints and Proposal of the Discipline Inspection Commission and systematically protect the whistle-blowers by law.

In terms of anti-corruption education and training, the Company's subsidiary at all levels organised a series of integrity education activities in various forms and carried out anti-corruption publicity and education by using the Company's intranet, such as organising employees to watch warning education videos, carrying out theme lectures and monthly learning and assessments, forming an atmosphere of integrity among all employees. During the Reporting Period, the directors of the Company have participated in anti-corruption training held by BEH.

Number of concluded legal cases regarding corrupt practices brought against the Company during the Reporting Period



Case

Number of concluded legal cases regarding corrupt practices brought against the Company's employees during the Reporting Period



Case



Case: "Strengthening Responsibility and Upholding Integrity" integrity party class at Shangzhuang Power

In June 2021, the management of the Company conducted an integrity party class at Shangzhuang Power, deeply discussed the roots of corruption and its mechanisms, as well as the new anticorruption trends. The special party class provides straight topics and meaningful content, which not only provides a profound interpretation of the concept of integrity, but also conducts an in-depth analysis of typical violation cases of disciplines and laws, and further strengthens the awareness of the management and the cadres to abide by laws and regulations to practice integrity.



Integrity training

Quality and Safety

Jingneng Clean Energy has built a comprehensive quality and safety management system in the course of business operation, actively implemented the management measures of the construction quality and fulfilled the responsibility of safety production, continuously improved the supervision responsibility of construction quality management, and strenuously built a dual prevention mechanism of precautions and potential risk investigation and management, so as to ensure the quality and safety of construction projects, creating a responsible business entity with safe and stable power supply.

Construction Quality Management

The Group strictly abides by the Product Quality Law of the People's Republic of China and other laws and regulations. On this basis, we implement internal regulations such as the Regulations on the Quality Management to build an all-around quality management system to ensure that the engineering construction quality meets the standards. Furthermore, we strengthened the supervision of material procurement quality and service quality, focused on the risk source prevention and control, and continuously promoted the quality management.

Production Safety and Operation

The Group abides by the Work Safety Law of the People's Republic of China and the Measures for the Administration of Contingency Plans for Work Safety Accidents. The Group has formulated safety management system documents such as the Regulations of Work Safety and the Measures for the Administration of Safety Evaluation, established and improved the production safety responsibility system, and carried out in-depth work such as "risk identification and evaluation" and "safety and environmental protection performance ability evaluation". We strengthen the safety foundation of stations and establish quality, health, safety and environmental management system; review the overall health and safety procedures and performance; carry out audit certification and management review annually, rectify the findings promptly, formulate improvement plans for management shortcomings, and timely revise the management system under laws and regulations and business adjustments.

Safety Production Inspection Mechanism

Jingneng Clean Energy implements the relevant requirements of the state and BEH, regularly conducts safety and environmental inspection, hazard source identification and risk classification control; rectifies and monitors the potential risks; strictly implements the "dual prevention" mechanism of risk pre-control and investigation management system, enforces closed-loop management, and further promotes the safety production management and control. All subsidiaries actively responded to safety inspections, such as the routine "spring inspection" and "autumn inspection", annual inspection of wind farms and fire safety hazards, focusing on strengthening the assessment and management of safety risks such as flood control, and geological disasters and high-risk operations. In addition, the Group formulated the "Three-Year Action Plan for Special Rectification of Production Safety" and solidly propelled rectification actions.

2021

Investment	Number of	
for production	significant	
safety	equipment accident	
7,313	0	
Ten thousand		

er of Number of general equipment accident accident

13 Times

Number of

stoppages

unscheduled

Equivalent availability factor of unit

94.9%

Safety Training

Adhering to the concept of "safety first, prevention first, and comprehensive management", we prioritise the lives of employees and protect their safety. Through a variety of safety culture construction activities, employees' awareness of safety production was enhanced, safety production responsibilities were strengthened, and the potential risks of safety production were deeply investigated to ensure the realisation of quality and efficiency improvement goals and high-quality development.

2021

Number of emergency drills

794 Times

Participants of production safety training

22,102 Person-time



Case: Work safety conference and fire drill at Jingqiao Power

In January 2021, Jingqiao Power held the 2021 work safety conference. The meeting assigned essential arrangements for the safety production goals and work plans for the Year, called upon leading cadres and employees to deeply realise the importance of investigation and management of potential risks and the severity of improper operations, implemented safety responsibilities at all levels and continued to promote the safe development of the enterprise.



Work safety conference



Case: "Safety Production Month" Activity

In June 2021, the annual safety production month activity with "implementing safety responsibilities and promoting safety development" was successively organised and carried out in all subsidiaries. The activity closely tied up with the publicity week, emergency drill week, risk investigation week, warning education week and successively conducted in various forms of publicity and education activities such as the safety month launch ceremony, safety commitment signing ceremony, emergency rescue training and examination, safety knowledge competition and Q&A, contingency drill, etc., so that employees can deeply comprehend the importance of "life first, safety first" concept, the severity of the consequences of improper operations and the urgency of emergency rescue, reinforcing their sense of responsibility. To popularise the knowledge of safety production, on 16 June, 2021, Shangzhuang Power carried out the 2021 "Safety Publicity and Consultation Day" activity, and prepared more than 660 books and brochures related to safety production. The activity stimulated the enthusiasm of employees to learn safety knowledge and improve safety skills and comprehensively fortified the safety culture atmosphere.







The Signing Ceremony and the Safety Publicity and Consultation Day

Customer Complaints

The Group attaches great importance to service quality, listens to the customer demands, and strives to deliver quality services by consolidating staff's service awareness expertise. We have also set up complaint response procedures to address customer demands through enquiries and return visits. All subsidiaries extensively conduct customer satisfaction surveys and strive to improve customer satisfaction through seminars and other approaches. During the Reporting Period, the Group did not receive any significant complaints about the products and services.

Scientific and Technological Innovation and R&D

Technological Innovation Achievements

Innovation is an essential driving force for the long-term stable development of the Group. We actively follow the national strategy of scientific and technological innovation, strengthen its application of achievements, accelerate the construction of green power centres, actively participate in green power trading, and assist the Company in scientific and technological innovation and development, manifesting the responsible image of a state-owned enterprise in the capital. We have always

attached great importance to the protection and management of intellectual property rights, strictly abide by the Patent Law of the People's Republic of China, the Copyright Law of the People's Republic of China, the Trademark Law of the People's Republic of China, and the Regulations on the Confidentiality of Science and Technology, and internally implement the Incentive Mechanism for Scientific and Technological Progress and the Management Measures for Scientific and Technological Projects to standardise the management of scientific and technological innovation and the protection of achievements, protect the intellectual property related matters, and promote the advancement of enterprise science and technology. During the Reporting Period, the Group obtained a total of 22 patents, and there was no major violation of laws and regulations related to intellectual property rights.

During the Reporting Period, the Group obtained a total of

22 patents



Case: Green power in Jingfeng Gas

In September 2021, Jingfeng Gas initiated the preliminary preparation work for the Olympic green electricity heating project. The project is planned to build a 3×40MW electrode boiler and its ancillary equipment, which can complement the heat supply between the regenerative thermal boiler and gas boiler by using the combination of electrode boiler and constant pressure water storage device, reducing natural gas consumption and pollutant emissions while delivering significant environmental and social benefits. This project will not only promote the local consumption of renewable energy such as wind power in the Beijing-Tianjin-Hebei region, alleviate the curtailment of wind power in winter and create advantageous conditions for the sustainable development of the wind power industry, but also release the pressure of heating usage in the winter, expanding the coverage of clean energy in the production and living of residents. Moreover, it saves energy to a great extent, thereby eliminating environmental problems such as emission of pollutants, destruction of vegetation impact on marine ecology, etc. As of the end of the Reporting Period, the project has been approved and is currently managing to install the auxiliary equipment and pipelines for the electrode boilers.





Photo of the Olympic Green Electricity Heating Project



Case: Shangzhuang Power - Zhongguancun Science and Technology Innovation Ecological Town Integrated Energy Service Project

This integrated energy service project adopts an energy system that "combined with a regional and distributed energy layout", establishes a modular energy room, takes the correlated prediction control system as the core function, relying on the three-dimensional simulation technology application and thoroughly redesign, forming an energy room system integration product through factory prefabrication, trial assembly, module transportation, and on-site assembly process. Its module is equipped with a QR code identification framework, which can be synchronised to the intelligent management platform to realise asset management and intelligent operation and maintenance. This project integrates "Internet plus", cloud computing, big data technology and new energy technology. With the support of building automation technology and self-adaptive capabilities, it has successfully developed a unique "Internet plus" smart energy management platform, delivering an intellectualised and unified energy management, operation and maintenance management, equipment monitoring and remote control, which is another breakthrough of our technological innovation.

Digital and Intelligent Applications

As a digital-driven company, Jingneng Clean Energy organises the formulation of intellectualisation plans. We integrated full life cycle data through the system architecture of "terminal + cloud + big data" and built an intelligent construction site, construction and production control model empowered by the auto stations as the main body, and realised the digital handover of engineering construction and auto production and operation management. All subsidiaries actively accelerate the digital transformation and intellectual development of platforms.



Case: Digital application of Gaoantun Power

In 2021, Gaoantun Power developed a proactive safety management platform based on personnel positioning technology and big data empowerment, integrating contingency action and video analysis to accomplish the visualisation of personnel's location on the production site and the working area to identify the risk areas in advance. The project will focus on managing and controlling of power safety production, integrating and deepening the application of various acquired scientific and technological achievements, and building a proactive safety management platform based on multi-platform data integration and comprehensive application. This platform combines the experience in auto inspection projects and the characteristics of Gaoantun Power's smart power plant, consolidates the artificial judgments into the early-warning of machine learning, and realises comprehensive early-warning management through video analysis and other technologies.

In terms of financial application, Gaoantun Power also introduced a cost computing and management system, made full use of big data to sort out and analyse the costs and revenues, and achieved thorough management of operating indicators, provided a decision-making basis for the Company's production and operation, realised the intellectualisation of marketing management, delivered the informatisation process for human resources management, effectively reduced production costs and promoted the enterprise operation and management level.



Case: Automatic meter reading of Gaoantun Power

In response to the Company's call to accelerating the progress of technology projects, Gaoantun Power actively cooperated with developing the Auto Meter Reading (AMR) system based on practical operation, which was officially launched in November 2021. Relevant departments arranged training in advance and encouraged employees to learn new knowledge and technologies, clearing out obstacles to implementing the intelligent system to ensure a smooth operation. This AMR system helps improve the intellectualisation level of operation and management, enables modern high-tech products to empower the electricity, strengthens the competitiveness of the enterprise.



Automated meter reading system

Information Security

The Group has always attached great importance to privacy protection and information security. By abiding by the Cybersecurity Law of the People's Republic of China and other relevant laws and regulations, it has formulated the internal Confidentiality Management Measures, which amplifies all employees not to disclose any data to third parties without approval. Employees involved in internal confidentiality and intellectual property are required to sign a confidentiality agreement to strengthen employees' confidentiality training and strictly implement the Company's confidentiality management measures and work procedures to protect customer information security. During the Reporting Period, the Group did not have any major violations involving information security or customer privacy.



Case: Network information security publicity and training activities of Jinggiao Power

In 2021, to further strengthen the education and publicity of information security, improve employees' network security protection skills, and creates a safe, healthy and harmonious network environment, Jingqiao Power organised network security-related personnel and management personnel to participate in special training. The Company increased the publicity of network security by a series of activities such as network security knowledge Q&A and placing publicity boards in eye-catching locations onsite, so as to build a solid barrier for information security and contribute to the development of national information security.





Cybersecurity publicity and training at the workplace



Case: Special lecture on the Confidentiality Management Regulations of Northeast Branch

To further enhance the confidentiality awareness of employees, the Company continuously consolidates the confidentiality concept of employees and strives to form a good atmosphere of compliant conducts within the Company. In September 2021, the Northeast Branch held a special lecture on the Regulations on the Protection of National Secrets, while publicising and implementing the Company's Confidentiality Management Regulations. The lecture enabled the employees to have a more comprehensive and systematic understanding of the knowledge of confidentiality, effectively raised the employees' awareness of keeping national secrets, and effectively amplified the employees' sense of responsibility and commitment to the new era.



Confidentiality Lecture

Supply Chain Management

Supply Chain Management System

In terms of supply chain management, we strictly abide by the Bidding Law of the People's Republic of China and other laws and regulations and have formulated internal supply chain management system documents such as the Bidding Management Measures, the Supplier Management Measures, and the Contractor Safety Supervision and Management Measures to standardise the practices and procedures of the recruitment, approval, evaluation and assessment of the suppliers and continuously consolidate the supply chain risk management.

In terms of supplier recruitment and approval, the Group conducts public bidding and implements a comprehensive recruitment assessment process for the bidding parties in accordance with relevant regulations, mainly considering their legal compliance, production and safety qualifications and other factors. The evaluation adopts three-level of preliminary reviews to conduct a comprehensive assessment, including "qualification review", "modality review", and "response review" and examines the key indicators of the bidders, such as their responsiveness, supplying performance, capacity indicators, service implementation plans, etc. During the Reporting Period, all new suppliers of the Group have followed the relevant contracting and management practices.

To prevent the environmental and social risks of the supply chain, the Group includes environmental, health and safety performance evaluation indicators in the selection process; investigates the relevant qualifications and corporate credit rating through the e-commerce platform of BEH; requires suppliers to make environmental and safety commitments when signing procurement contracts to ensure that the products are qualified per the safety and environmental requirements; when necessary, we will also take due diligence measures to prevent risks. In terms of supplier assessment, the Group follows the principle of "unified management, supporting the survival of the fittest", regularly reviews the compliance of suppliers, organises dynamic assessment of suppliers' price, quality, environmental management, fulfilment and service performance, and conducts an annual evaluation according to the Company's Supplier Evaluation Measures. For suppliers with severe violations of laws and regulations, seeking benefits by improper means such as bribery, and serious dishonest behaviours disclosed by national authorities, the annual evaluation results are determined to be unqualified, and the contact will be terminated.

In terms of green procurement, we give priority to environmentally friendly products and local products with energy or water labels. For example, the Southern China Branch requires the procurement of office equipment and electrical appliances with Grade 4 or above energy efficiency labels in China, as well as the official service vehicles with emission standards reaching the National Grade 5 standard in China. Jingxi Power requires the application of LED energy-saving lamps and "ultra-high-efficiency motors" that meet the YE4 standard to reduce energy consumption effectively.

As of the end of the Reporting Period

Total number of suppliers

2,120

Number of suppliers certified by quality, occupational health and safety, environmental or energy management systems

534





02 LOW-CARBON, CLEAN AND ECO-FRIENDLY

Jingneng Clean Energy advocates the concept of "green and low-carbon", actively respond to environmental protection, pollutant prevention, resource conservation and climate change related matters and help China achieve the "dual-carbon goals1" as a pioneer of clean energy.







Emissions Management



Use of Resources



Respond to Climate Change



Ecological

Protection

¹ Dual-carbon goals: the abbreviation of "carbon neutrality" and "carbon peak", aiming to achieve the goal of carbon peak by 2030 and carbon neutrality by 2060 in China.

Environmental Management

The Group strictly complies with the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution, the Law of the People's Republic of China on the Prevention and Control of Water Pollution, the Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste and other relevant laws, regulations and institutional requirements. All subsidiaries have set up an internal environmental protection leading group headed by the general manager. The duties of the environmental protection leading group include formulating basic requirements and implementation plans for environmental protection management; reviewing and approving the implementation rules of environmental protection technology supervision; coordinating and resolving major environmental issues and urging the implementation of solutions; deciding on major issues in environmental protection management and coordinating and managing the Company's environmental protection related work.

To cooperate with the steady progress of environmental protection, the Group has established an environmental protection system with a core instruction of "Regulations on Environmental Protection Management of Jingneng Clean Energy" and an environmental plan system with a core instruction of "Emergency Plan for Handling Environmental Pollution Incidents", including a total of 6 systems and 11 on-site handling plans. All subsidiaries have formulated feedback mechanism for environmental protection management behaviour and prepared the Environmental Protection Management Work Plan and the Three-year Rolling Plan for Environmental Protection Work upon the direction of future development of the Group so that the trend of researched environmental protection policies will be combined with the actual situation of the enterprise. At the same time the safety production department will take the lead to supervise the implementation of environmental protection work at the year-end. Outstanding findings will be recorded in the internal risk rectification account, and a person will be explicitly arranged responsible for corrective actions and acceptance to achieve the closed-loop management of annual environmental protection work.

Emission Management

The Group actively accelerates clean production, strictly monitors the emissions from operations, and further reduces pollutant emissions through a series of measures such as process recovery, outsourcing treatment, and optimisation of equipment. The emissions and pollutants involved in the Group's production process include exhaust gas, wastewater, solid waste, greenhouse gases and noise pollution. During the Reporting Period, Shangzhuang Power was subject to two administrative penalties due to its failure to obtain pollutant discharge and water drawing permits. In this regard, the management attached great importance and supervised the corrective action in person. The water drawing permit was obtained during the Year, and the pollutant discharge permit was approved in March 2022. The Company will strictly supervise every aspect of environmental governance in the follow-up work to prevent possible risks of non-compliance.

Exhaust Gas Management

The exhaust gases produced by the Group incorporate nitrogen oxides, sulphur oxides and particulate matter that were mainly from the generating equipment and automobile. In terms of the management and control of exhaust gases, the Group strictly implements national and local standards such as the Emission Standard of Air Pollutants for Boilers and the Emission Standard of Air Pollutants for Stationary Gas Turbine. It revises and improves management regulations such as the Administrative Regulations on the Configuration, Operation and Maintenance of Environmental Protection Facilities and the Administrative Measures for Online Monitoring of Pollutants by national environmental protection management requirements. Low-nitrogen combustion and high-efficiency catalyst denitrification devices deliver a satisfactory emission of exhaust gas that is lower than local regulations so that the production and operation activities meet environmental protection requirements. Additionally, all subsidiaries have formulated and issued the Measures for Environmental Protection Data Reliability Management and Control, which regulates the stable operation of environmental protection equipment and facilities and testing systems from the aspects of equipment inspection, operation monitoring, calibration, defect elimination and supervision and management of the pollutant online testing system. Regarding to exhaust gas control, each subsidiary sets corresponding emission targets based on national standards and annual power generation. For example, during the Reporting Period, Jingxi Power set the yearly target of achieving the emission limit of 50% of nitrogen oxides of flue gas from residual heat boilers and hot water, boilers within the control standard and the emission concentration of < 15mg/m³ and promoting the achievement of the target through measures such as cleaning up catalysts during equipment may

Shangzhuang Power During the Reporting Period, Shangzhuang Power conducted combustion adjustment tests to reduce the emission value of nitrogen oxides from the export of gas turbine so that the flue gas emission after denitrification treatment was controlled within 12mg/Nm³.

Gaoantun

Gaoantun Power replaced the more precise meters to more accurately reflect the concentration of pollutants, providing control parameters for pollutant treatment facilities and improving removal efficiency. At the same time, qualified environmental monitoring units are engaged in using manual sampling monitoring three or four times a year, the results of which are used to check the online monitoring system; Online monitoring data is transmitted to the superior environmental protection bureau in real-time for online supervision.

To further reduce the emission of nitrogen oxides and ammonia, the Company increased the filling capacity of denitrification catalysts during the overhaul of generating units, increased the reaction time of flue gas and denitrification agents, and reduced the emission concentration of nitrogen oxides; At the same time, the Company optimised the ammonia spraying system, increased the automatic control system, and more accurately configured and reacted the ratio of pollutants and ammonia spraying in the region to improve the efficiency of denitrification.

Air Pollutant² Data

Indicators	Unit	2021
Nitrogen oxides	Tonnes	1,405
Sulphur oxides	Tonnes	92
Particulate matter	Tonnes	75

Wastewater Management

The wastewater discharged within the Group's operation mainly includes industrial wastewater and domestic sewage. For domestic sewage, the branch companies and power stations are equipped with sewage treatment devices such as septic tanks, which are uniformly disposed by the municipal sanitation department. For industrial wastewater, all subsidiaries are required to obtain the discharge permit and ensure that the discharge concentration of wastewater pollutants meets the requirements of the pollutant discharge license regarding the local *Integrated Emission Standard of Water Pollution*; certain branches' wastewater is handed over to a qualified third-party company for centralised disposal to ensure the compliance.

²According to the suggestions on the data calculation method in the "Appendix 2: Reporting Guidance on Environmental KPIs" of "How to Prepare at ESG Report" issued by the Hong Kong Stock Exchange, the air pollutants were calculated. Air pollutants mainly come from the power generation of as companies and fuel consumption of mobile road sources.

Solid Waste

The major non-hazardous wastes generated during the production and operation of the Group are mainly domestic wastes such as waste paper and waste plastics. According to the requirements of the government and superior authorities, each department carries out waste classification, and reduction work, adopts internal recycling or hands it over to local municipal departments for unified collection and disposal. In strict accordance with the requirements of the environmental protection department, we authorised qualified third parties to transport the waste to designated locations for standardised disposal. To strengthen waste management, the Group has formulated the 2021 Hazardous Waste Management Plan to manage the main equipment and procedures of the productions, predicting the generation of hazardous waste. In addition, we have formulated relevant goals and specific measures for waste management:



Recycle the lubricating oil and hydraulic oil through filtration and purification; Maintain equipment regularly to improve the sealing of the equipment's oil circuit device, and strive to reduce the generation of waste oil by 5%



To achieve the goal of extending the lifespan of lead-acid batteries by regularly nuclear recharging lead-acid batteries



By strengthening the monitoring and analysis of water quality, controlling the concentration of drug liquid, reducing drug consumption and the generation of experimental waste liquid by 5%



By reducing on-site painting jobs during construction, giving priority to environmentally friendly products such as finished paint or water-based paint to reduce the generation of hazardous waste of contaminated packaging by 5%.



Replace old mercury lamps with LED and other environmentally friendly energy-saving lamps to reduce the generation of obsolete light tubes by 5%

Waste data³

Name of Indicators	Unit	2021
Total non-hazardous waste generated	Tonnes	340
Intensity of non-hazardous waste	Tonnes/hundred million kWh	1.04
Total hazardous waste generated	Tonnes	82
Intensity of hazardous waste	Tonnes/hundred million kWh	0.25

³The types of non-hazardous waste include: scrap metal, waste paper, waste plastics, waste glass, kitchen waste and general waste. Hazardous wastes mainly include: waste oil, waste chemical, waste batteries, waste antifreeze and other hazardous wastes.



Case: Spring environmental inspection at Gaoantun Power

In March 2021, all departments of Gaoantun Power carried out a major environmental inspection and inspected the management of hazardous waste, waste heat furnace flue gas emission monitoring system and wastewater discharge monitoring system respectively. Inspection personnel closely inspected and verified the classification and storage of hazardous waste, the records and identification notices of hazardous waste; examined the operation condition of wastewater discharge equipment, implementation of the management system, qualifications of the maintenance personnel, and the maintenance records, etc. The on-site inspection has effectively promoted the Company's environmental protection standards and laid a solid foundation for the safe and stable operation of the units.





The warning sign for hazardous waste

Inspection site of wastewater monitoring equipment

Greenhouse Gas Management

As a leading photovoltaic enterprise, Jingneng Clean Energy have formulated the *Carbon Emission Monitoring Plan* based on the national and local carbon emission policies. All subsidiaries carry out long-term planning in various forms, such as energy conservation and consumption reduction, equipment transformation, improvement of equipment operating efficiency, and reduction of gas consumption, and strictly assesses to strengthen process supervision.



Greenhouse Gas Emission Data

Indicators	Unit	2021
Direct GHG emission (Scope 1) ⁴	Ten thousand tonnes CO ₂ e	882.90
Indirect GHG emission (Scope 2) ⁵	Ten thousand tonnes CO ₂ e	5.98
Other indirect GHG emission (Scope 3) ⁶	Ten thousand tonnes CO ₂ e	0.06
Total GHG emission	Ten thousand tonnes CO ₂ e	888.94
GHG emission intensity	Ten thousand tonnes CO ₂ e/hundred million kWh	2.72

Noise Pollution

Noise pollution caused by the Group is generated from the use of various equipment during the construction of engineering projects. In terms of noise control, the relevant departments have taken measures such as relocating the construction sites and installing noise control facilities on the sources of equipment to ensure that the noise standards meet the local environmental protection regulations and reduce the impact on the surrounding community.

Use of Resources

Use of Resources, Energy Conservation and Environmental Protection Measures

Concerning the Energy Conservation Law of the People's Republic of China and other relevant national laws and industry regulations, the Group has set up the long-term goal of gradually reducing the energy consumption intensity, improving the energy efficiency, and formulated normalised management procedures such as the Energy Conservation Management Regulations and the Implementation Rules for Energy Conservation Technology Supervision. We also implemented comprehensive internal energy conservation management measures such as benchmarking evaluation and hierarchical management, standardised the responsibilities of all employees and energy conservation conducts in the production process, promoting the Company's economic benefits and employees' awareness of energy conservation. In 2021, the Group issued annual management measures such as the Energy Conservation Implementation Plan of Jingneng Clean Energy and the Employee Energy-saving and Low-carbon Code of Conduct, covering energy conservation matters in the Company's production activities, offices and employees' daily behaviours. Each subsidiary also formulates relevant energy conservation targets according to the national and local standards and in combination with its energy consumption level. The production department adopts the method of decomposition and evaluation of the targets at different levels, and decomposes the annual targets of power generation, heat supply, heating gas consumption and comprehensive power supply to the monthly targets. Through hierarchical management and evaluation, it further minimises the energy consumption without compromising its normal production order.

⁴Scope 1 emissions mainly come from stationary combustion equipment, road mobile sources and refrigerants in thermal power gas stations. Calculation methods and emission factors refer to the Guidelines for Accounting and Reporting Greenhouse Gas Emissions of Chinese Power Generation Enterprises (Trial), the Guidelines for Accounting and Reporting Greenhouse Gas Emissions of Road Transport Enterprises (Trial) and the IPCC GHG Calculation Tool.

⁵Scope 2 energy indirect emissions are indirect GHG emissions resulting from the generation of purchased or acquired energy by the Group. The Group's energy indirect greenhouse gas emissions only come from purchased electricity. The emission factor of electricity refers to the Notice on the Key Work in Relation to the Management of Corporate Greenhouse Gas Emissions Reporting in 2022 issued by the Ministry of Ecology and Environment and the National Greenhouse and Energy Reporting (Measurement) Determination 2008 (Schedule 1) issued by the Department of Industrial Science, Energy and Resources of Australia.

⁶Scope 3 other indirect emissions cover other indirect emissions occurring outside the Group. The scope of statistics includes paper waste and business travel. The data is calculated based on "Appendix 2: Reporting Guidance on Environmental KPIs" of "How to Prepare an ESG Report" issued by the Hong Kong Stock Exchange, and "China Environmental Input-Output Database (CEEIO)".

To this end, each subsidiary has adopted a series of energy-saving measures:

Optimise the operation mode of equipment and system during the start-up and shutdown period, and use highefficiency vacuum pumps to reduce power consumption in the plant.

Strengthen the inspection and control of valve internal leakage to avoid the occurrence of dripping and leaking, so as to reduce additional consumption.

Switch off the air conditioners in the power distribution room in time during the shutdown; Optimise the lighting of the plant and turn off unnecessary lighting; The operation of auxiliary equipment shall be stopped, switching the compressed air gas source in time.

Replace diesel and gasoline mobile equipment with electric ones, such as replacing electric forklifts with diesel-powered forklifts.

Gaoantun Powel

The open-type water pump motor is switched from a 380V electric motor to a 6kV electric motor: the temperature of the coil in the original motor in operation is up to 110°C, and the temperature of the coil in operation is now reduced to around 60°C, significantly reducing the damage of the temperature to the insulation. The cooling fan can be removed after the reformation, saving 3,000 kWh of electricity per year.

The 50 metal halogen lamps in the factory area are replaced with LED energy-saving lamps: it is estimated that each of the 150W lamps is replaced with LED lamps that have equivalent brightness, and the 50 lamps can save 32,850 kWh of electricity per year after replacement.

Control the continuous emission rate: In 2021, the continuous emission rate of the high-pressure steam of the waste heat boiler was less than 3% on average. On the premise of meeting the requirements of water quality indicators, the Company flexibly adjusted the continuous emission rate and the deaerator. In 2021, the consumption of desalted water was 62,450 tonnes, with a drop of approximately 6,500 tonnes as compared with 2020.

Use of Resources Data

Indicators	Category	Unit	2021
Total energy consumption		MWh	44,849,167
Energy consumption intensity		MWh/hundred million kWh	137,225
	Gasoline MWh		8,523
	Diesel MWh		1,717
Direct energy consumption ⁷	Natural gas	MWh	44,146,498
	Self-generated and self-consumed electricity	MWh	590,000
Total direct energy consumption		MWh	44,746,738
Direct energy consumption intensity		MWh/ hundred million kWh	136,911
Total indirect energy consumption ⁸		MWh	102,429
Indirect energy consumption intensity		MWh/ hundred million kWh	313

⁷The direct energy consumption is calculated with reference to the national standards such as the Guidelines for Accounting and Reporting Greenhouse Gas Emissions of Chinese Power Generation Enterprises (Trial), the Guidelines for Accounting and Reporting Greenhouse Gas Emissions of Road Transport Enterprises (Trial), gasoline for vehicles and diesel for vehicles, as well as the "Appendix II: Reporting Guidance on Environmental KPIs" of "How to Prepare an ESG Report".

⁸The indirect energy consumption of the Group mainly comes from purchased electricity.

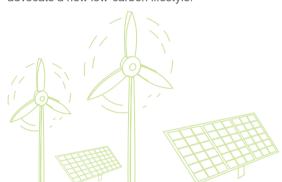
Use of Water Resources

The Group formulates water efficiency targets for continuous conservation and improvement of water efficiency to gradually reduce water consumption. We implement the *internal Administrative Measures for Energy* and *Water Conservation and the Administrative Regulations on Statistics of Energy and Water Conservation* and divide water consumption indicators in an effort to continuously strengthen water resource management and supervision and improve water resource utilisation efficiency by promoting new technologies, new processes, new equipment and new materials. To ensure the requirements of environmental emission indicators, the circulating water discharge volume shall be adjusted promptly based on the daily water quality test results to control the concentration ratio within the required range. The Group has obtained the water-taking permit issued by the authorities in respect of groundwater intake and has carried out water quality testing lawfully to ensure that the access and usage of water do not affect the local area. During the Reporting Period, the Group did not encounter any major issues in sourcing water or damaging the local ecological environment.



Case: Energy-saving publicity week of Jingxi Power

In August 2021, all subsidiaries of the Group actively organised the "National Energy Conservation Publicity Week" activity, and promoted the importance of energy conservation and emission reduction through online channels such as the WeChat official account. The Company propagates and educates on the aspects of gas consumption, water consumption, electricity consumption and recycling to improve the awareness of energy conservation and emission reduction of all employees and advocate a new low-carbon lifestyle.





Posters

Water Resource Data

2021 Total water consumption⁹ 1,855,549m³

2021 Water consumption intensity 5,677.41m3/hundred million kWh

Respond to Climate Change

Climate Change Risks and Opportunities

Under the trend of national "dual-carbon goals", the Company has formulated the 14th Five-Year Plan of Jingneng Clean Energy, which was approved at the first meeting of the fourth session of the Board in 2022, and has been issued and implemented. Based on the national strategy, the plan proposes development paths and goals for the Group's various businesses and corresponding supporting measures; the Group encourages the active expansion and optimisation of industrial structure, vigorously develops new markets and expands the scale of wind power and photovoltaic power generation, to produce more green electricity instead of the traditional model of power generation. In terms of carbon emission reduction, the Group has proposed reducing the carbon emission intensity per unit by 30% compared with the previous period. All subsidiaries managed to reduce greenhouse gas emissions by upgrading the equipment, optimising the pace of production and operation, improving the compliance rate of unit operation, increasing technological investment, reducing power consumption on the site and advocating low-carbon office and travel. In response to climate change, the Board and the management of the Company, as the decision-maker, have been actively participating in the management of major climate-related issues, evaluating major risks and opportunities in accordance with the TCFD framework, profoundly analysing the impact of climate change on enterprises, and gradually integrating climate change-related decisions into corporate governance planning.

Risks related to climate change

Policy aspects

With the implementation of the "dual-carbon" policy, the Company's energy conservation and emission reduction management face new challenges, as the load of generating units of new energy such as wind and photovoltaic power has been further reduced during the peak period, and the number of start-stop and peak-shaving during the summer peak period has been increasing year by year, which hurts the energy consumption of generating units.

Market aspects

The increasingly competitive power and heat supply market and disadvantageous conditions have left obstacles to the market share and efficient operation of the units.

Physical aspects

The Group's major wind power and photovoltaic power projects are mainly relying on the outdoor environment and will be affected by various complex impacts such as a decrease in the revenue while increase in the costs of power generation facilities and operating efficiency caused by extreme weather such as floods, fires and storms.

Opportunities related to climate change

Market aspects

Under the guidance of the national "dual-carbon goals" strategy, the low-carbon transformation of energy structure and the development of new energy will be accelerated comprehensively. Photovoltaic and wind power, as the main use of new energy, will experience rapid growth in installed capacity and power generation, and the investment in renewable energy will increase significantly. Therefore, the impact of climate change on the Group's business is a positive opportunity to promote green and low-carbon transformation and development.

Reputation aspects

Low-carbon development has become a vital influence label of the enterprise and the concern of stakeholders. The characteristics of our business could greatly promote the corporate image.

⁹The Group's water consumption records the consumption of tap water and underground well water.



Case: Flood prevention of Jingfeng Gas

In July 2021, Beijing ushered in the most server rainfall of the Year. Jingfeng Gas responded immediately, shouldered the responsibility of flood prevention, and spared no effort to ensure the stability of energy in the capital. It launched a flood prevention plan, implemented safety measures, and prevented possible failures resulting from rainstorm and thunderstorms in advance. The maintenance and the power generation departments conduct a thorough inspection of the production area and timely block the drainage facilities. The flood control has successfully resisted the heavy rain and ensured safe production during the flood season.

Climate Change Response Measures

To strengthen the response to climate change and implement the requirements of "dual-carbon goals", we have established a leading group of carbon peak and carbon neutrality by the decisions and arrangements made from the Company. In formulating the 14th Five-Year Plan, we have carefully considered the impact of climate change and environmental protection on the Company's long-term operations in the future and put forward corresponding measures.



Flood control inspection site

Ecological Protection

The main equipment of the gas-fired power plants under the business operations are gas-fired hot water boilers and gas-steam combined cycle power generation heating units. The production process of heat and power products generates nitrogen oxides and a small amount of sulphur dioxide and soot. To this end, the Group invested tens of millions in denitrification technology transformation of residual heat boilers, the low-nitrogen transformation of hot water boilers, and upgrading of gas turbine burners. While improving the safety and reliability of gas turbines, the Group significantly reduced the ammonia escape rate and nitrogen oxide emissions, which greatly alleviated the harm to the environment and natural resources. At the same time, we also show our image as a "Jingneng Person" through regular environmental protection activities such as tree planting and ecological restoration under the concept of "protecting nature and be harmonious coexistence".



Case: A voluntary tree planting activity of Jingxi Power

To fully implement the concept of "lucid waters and lush mountains are invaluable assets" and create a positive atmosphere where all employees participate in the "carbon peak and carbon neutrality" action. In April 2021, the managements of Jingxi Power led 52 employees to carry out voluntary tree planting activities at the ecological base in Shunyi District, Beijing. They carried out green and emission reduction actions by working together to support the seedling, shovelling and irrigating. This tree planting activity enhanced team cohesion and also raised the environmental awareness of protecting flowers and trees and cherishing green. People expressed that as an employee of state-owned enterprise in the capital city, we should appeal to people around us to actively participate in the green and emission reduction action, and form a low-carbon new trend of greening life.



Tree planting activity



Case: Southern China Branch-Xuwen Photovoltaic Power Station

The Xuwen Photovoltaic Power Station, a station of Southern China Branch, developed the model of "photovoltaic + salt field + ecological restoration", and continued to build a photovoltaic demonstration area. In 2021, the power plant continued to cultivate new adaptive fruit trees and green planting products, and continued to expand the lawn greening area. In addition, in the photovoltaic equipment area, the power station staff transformed abandoned saltern into green belts such as shrubs and grasslands, striving to create a beautiful and harmonious new ecological environment.



Xuwen Photovoltaic Power Station



O3 CARE FOR PEOPLE AND CARE FOR THE COMMUNITY

Adhering to the core value of "people-oriented and pursuit of excellence", Jingneng Clean Energy unswervingly protects the rights and interests of every employee and its occupational health, empowers the long-term development of talents, and creates a harmonious, felicity and healthy workplace environment. In addition, we actively responded to the call for rural revitalisation, served local communities, and strengthened the responsibility as a state-owned enterprise. We took industrial assistance, employment assistance, and consumption assistance as an essential means to assisting rural revitalisation, adhered to the Company's guidance and employee participation, promoted the connection of the Company's procurement, employee consumption and other segments, and strived to stimulate the enthusiasm of assistance and be a responsible social citizen.



Labour Rights



Comprehensive

Health Protection



Talent Growth

and Development



Fulfilling Social Responsibility

Labour Rights

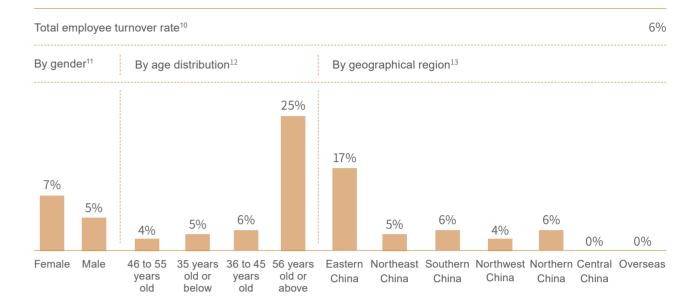
Employment Policy

The Group strictly abides by the Labour Law of the People's Republic of China, the Labour Contract Law of the People's Republic of China and other relevant laws and regulations, and has formulated a series of internal documents such as the Labour Contract Management Measures of Jingneng Clean Energy Co., Limited (Trial), the Employee Recruitment and Leaving Management Measures, the Attendance Management Measures, the Labour Welfare Management Measures, and the Compensation Management Measures, and improved the systems and guidelines of recruitment, dismissal, attendance, working hour, vacation, training, welfare, bonus, etc., to fully protect the rights and interests of employees.

The Group advocates an equal, diversified and anti-discrimination employment environment and resolutely eliminates any form of discrimination and violations of ethical standards. In addition, we have also established a competitive salary and promotion structure, clarified the schemes for salary adjustment, rank promotion and other essentials, and fully provided employees with adequate advancement in performance appraisal, bonuses and subsidies. During the Reporting Period, the Group did not have any major employment-related violations.

Employment Data

Total number of employees		2,951Person
By gender	By geographical region	
Male 2,314 Person	Northern China Northeast China 1,906 Person Northeast China	Eastern Central China 12 Person Person Central China 2 Person
Female 637Person	Northwest China Southern China 555Person	Overseas 18 Person
By employment type	By education level	By age distribution
Full-Time 2,949 Person	Doctoral degree 4Person Master's degree 165Person	35 years old or 36 to 45 years old 1,412 Person 676 Person
Part-Time 2 Person	Bachelor or below 1,755 Person 1,027 Person	46 to 55 years 56 years old or above 734 Person 129 Person



Labour Standards

In terms of avoiding illegal employment practices such as child labour and forced labour, we abide by national laws and regulations, strictly implements recruitment and recruitment approval procedures in accordance with the Company's standardised internal control system, and establishes a handling mechanism and self-inspection of employment of child labour and forced labour. There are strict requirements on the age limit for new employees; no approval will be granted if they do not meet the age requirement and the authenticity of the employee's identity will be examined before approval. In the event of non-compliance, the labour contract will be terminated in accordance with regulations by reporting and investigating in a timely manner. During the Year, the Group did not have any major child labour or forced labour related violations.

Indicators	Unit	2021
Number of managements at mid-level or above	Person	389
Number of female managements at mid-level or above	Person	71
Number of male managements at mid-level or above	Person	318
Number of physically challenged employees	Person	12
Signing rate of Labour contract	%	100
Coverage rate of social insurance	%	100
Percentage of employees joining the labour union	%	100
Average paid annual leave	Days	10

¹⁰The percentage of employee turnover/total number of employees * 100 is based on the data calculation method recommended in "Appendix 3: Reporting Guidance on Social KPIs" of "How to Prepare an ESG Report" issued by the Hong Kong Stock Exchange.

¹¹Percentage of employee turnover in the category/total number of employees in such category * 100 according to the data calculation methods recommended in "Appendix 3: Reporting Guidance on Social KPIs" of "How to Prepare an ESG Report" issued by the Hong Kong Stock Exchange.

¹²Percentage of employee turnover in the category/total number of employees in such category * 100 according to the data calculation methods recommended in "Appendix 3: Reporting Guidance on Social KPIs" of "How to Prepare an ESG Report" issued by the Hong Kong Stock Exchange.

¹³Percentage of employee turnover in the category/total number of employees in such category * 100 according to the data calculation methods recommended in "Appendix 3: Reporting Guidance on Social KPIs" of "How to Prepare an ESG Report" issued by the Hong Kong Stock Exchange.

Comprehensive Health Protection

Occupational health management and protection measures

We take the protection of employees' occupational health and safety as our top priority. In strict compliance with the Law of the People's Republic of China on the Prevention and Control of Occupational Diseases, the Measures for the Supervision and Administration of Employers' Occupational Health Surveillance and other laws and regulations related to occupational health, we formulated internal management documents such as the Regulations on the Prevention and Control of Occupational Diseases and the Regulations on the Responsibility System for the Prevention and Control of Work Safety and Occupational Diseases applicable to the Company, and clarified the content of prevention, control and elimination of occupational disease based on the principle of "prevention first, standardised management, and fulfil each ones duties". It has also formulated a list of responsibilities for occupational disease prevention and control to ensure that all levels of responsibility and management are in place to protect the health and relevant rights and interests.

The Group's occupational health management system initiated from day one of the employment and consolidated supervision, inspection and improvement through a series of measures to ensure that occupational health management is carried out thoroughly and effectively, creating a healthy working environment and lifestyle for employees:

Arrange occupational health examinations for workers exposed to occupational hazards (noise, smoke and dust, high temperature, toxic and hazardous chemicals, etc.) before, during and after their employment, generate summary reports of occupational health examinations and keep tacking their health conditions.

Strictly implement the occupational health protection facilities and main works of the projects, set up warning signs and instructions at prominent positions, and entrust a qualified third-party company to inspect the occupational disease hazards in the workplace.

Formulate implementation plans for the prevention and control regarding the actual risks of occupational disease hazards, promptly report the risks to the local safety production supervision and management departments for filling and recording.

Organise occupational health and safety training and drills on a regular basis, and require employees to obtain training certificates and sign occupational health notification agreements; during the Occupational Disease Prevention and Control Publicity Week, publicity boards and brochures were distributed to popularise hygiene and health knowledge.

Regularly distribute personal protective equipment and facilities, strengthen the inspection and maintenance of the facilities and emergency equipment, and timely supplement on-site emergency and first-aid supplies.



Case: Occupational health and safety inspection

In June 2021, under the guidance of "Safety Production Month" carried out by the Group, the deputy general manager of the Company led the Labour Protection Supervision and Inspection Committee of the Labour Union and the safety supervision personnel, carried out a major inspection on occupational health and safety (regarding high temperature and harmful gases, etc.) in the production area, and formulated and completed a corrective action plan for the non-compliance findings from the inspection, forming a closed-loop management.



Safety Inspection Site



Case: Special training seminar on emergency rescue knowledge

In June 2021, Jingxi Power held a special training seminar on first aid knowledge. The seminar fully integrated theoretical knowledge with practical operation and introduced basic understanding of emergency rescue and first aid procedures. It explained the principle, handling process and technical guidance of common first aid. After the explanation, the on-site practice was also conducted with active participation by the employees. Through the training, employees comprehend the treatment methods of various emergencies, mastered the basic skills of first aid, and further improved their safety awareness of "safety first, cherishing life, and rescuing others", laying a solid foundation for further promoting the concept of safe development, and the efficient safe production. In addition, Jingxi Power also placed occupational disease posters in prominent workplace and organised employees to read and learn about the importance of occupational health and safety.



Training seminars



Distributing occupational disease publicity materials

Work-related injury data

Number of workrelated fatalities for the last 3 years

person

Percentage of workrelated fatalities for the last 3 years

0%

Lost days due to workrelated injury for the last 3 years

days

Employee care and welfare

We care for every employee and provide care and assistance to them in various forms. Following the employee-oriented, demand-oriented, and the direction of meeting the increasing needs of employees for a better life, the labour union of the Company carried out the construction of the employee's homeland. The service facilities covered the entire office and living area, delivering an integrated accommodation, lifestyle, environment and cultural diversity. The homeland of employees covers a wide range of cultural, entertainment and sports activities outside of work, so as to meet the diversified needs of employees, consolidate the unity of employees, and build a beautiful home hand in hand.

Employee-care measures



In terms of benefits and welfare, in addition to the basic "five social insurances and one housing fund", the Group improved the medical insurance for employees by establishing a supplementary medical insurance system to reduce the personal burden of medical expenses.



Paying visits to employees on holidays and delivering gifts; Organising a variety of cultural and sports activities that are conducive to the team-building to enhance team cohesion and employee happiness.



Taking care of the disables, pregnant and other special groups of employees, and set up accessible service facilities and care measures such as maternal and infant rooms in the workplace.



Arranging physical examination for employees, providing optional physical examination items for different age groups, and inviting doctors to provide medical consultancy on physical examination results of employees; regularly holding health lectures to improve employees' awareness of health care.



Case: Distribution of welfare by the labour union of Jingqiao Power

In February 2021, the leaders of the labour union of Jingqiao Power visited the front-line workers who remained at positions during the Spring Festival, expressing their warm greetings to the workers and offering gifts for the Spring Festival. In the hot summer of July, the leaders of the labour union distributed drinks to employees, and urged employees to pay attention to their bodies and prevent heatstroke. The "Sending Cool" condolence activity has dramatically improved the happiness and satisfaction of employees while effectively improved the living conditions of employees.





Visiting front-line employees

"Sending Cool" Activity



Case: Team building activities of Southwest Branch

To enhance the team cohesion of young employees, cultivate the spirit of teamwork and show the enthusiasm of young employees, in April 2021, the general league of the Southwest Branch organised a team-building activity with the theme of "Spreading Youth Vitality and Spreading Hope Dreams". The activity was carried out in the form of fun sports games, which fully demonstrated the optimistic spirit of employees through multiple team collaboration games.





Team-building activities



Case: Northwest Branch visited front-line anti-epidemic employees

In October 2021, the epidemic broke out in Yinchuan, Gansu Province. The Northwest Branch actively organised employees to participate in the volunteer work of epidemic prevention and control. Several young employees came together to transport materials and perform disinfect work. The management of the Northwest Branch continued to pay attention to the needs of front-line employees, and arrange personnel to deliver warm meals and caring materials to the employees on duty, expressing their deep condolences.



Visiting anti-epidemic employees

Talent growth and development

Development system and promotion channel

The Group regards the development of talents as the core competitiveness of the enterprise, actively promotes the development strategy of "strengthening the enterprise with talents", and focuses on training management. On the basis of professional training, we adopt a positive incentive approach, emphasise "personalised" training, and formulate multi-level, multi-angle and full-coverage training plans. Moreover, we also hold safety knowledge competitions, employee skills competitions and other activities to stimulate employees' enthusiasm for work, improve their professional skills, and strive to build a learning enterprise, so as to build a high-level and sustainable talent team for the Company. Over the years, the Company has continuously innovated the talent system, incorporated the talent training into corporate strategy, encouraged employees to obtain certificates that are beneficial to their work and reimburse the costs to motivate employees to expand their capacity.

In terms of promotion, the Group has formulated management systems such as the Regulations on the Selection and Appointment of Leaders of Jingneng Clean Energy and the Regulations on the Administration of Qualifications for Professional and Technical Positions, aiming to standardise the appointment and selection of talents, smooth the promotion channels and stimulate the positivity of work. Moreover, the Company actively carried out title evaluation through a series of evaluation mechanisms which achieved remarkable results.

Organisational Guarantee	Timely adjust the members of the professional title appraisal committee to provide an organisational guarantee for the Company's professional title appraisal work.
Policy Support	By revising the Welfare Management Measures, Employee Position Change Management Measures and post-work standards and linking the reimbursed heating costs with the points of merit-based competition, it provides policy support for the evaluation of professional titles.
Business Support	Interpret human resource policies and documents and sort out relevant key points in a timely manner. Emphasis the changes of policy from the application in the review arrangement and forwarding documents every year, to ensure that those proper position are selected by proper applicants.
Process Control	Review and check to ensure the accuracy of data, patiently respond to the consultation of professional and technical personnel, and pay attention to reviewing the work performance to raise the pass rate of title appraisal.

The Group is continuously promoting the construction of a skilled talent team, guiding young and middle-aged employees to improve their professional theoretical knowledge and practical skills, gradually optimising the performance of the workforce and the quality of talent training and evaluation with the recognition of vocational skills as the starting point. We consolidate the skilled talent training and development project and provide talent support for the high-quality and sustainable development of the Company. During the Year, the human resources department improved the issues that existed since the trial operation of the performance system, and made amendments to the indicators setting, key work assessment and other aspects. In addition, the Group has also carried out the "one post, one standard examination" and engaged a professional human resources company to optimise the remuneration structure.



Case: "Assistance Program" – Leadership improvement training

To further strengthen the capacity building of young cadres, and improving their comprehensive capacity and managerial ability, in July 2021, the Organisation Department and the Human Resources Department of the Southwest Branch organised the training on "Operation Assistance Program and Leadership Improvement" for young midlevel cadres. The training explained in detail regarding the theoretical and practical application of leadership in four aspects, namely "the essence of leadership", "individual leadership improvement", "team leadership improvement", and "organisation leadership improvement", which deepened the young cadres' understanding of the theoretical knowledge of "leadership" management, specified the direction for their capacity building, and provided sufficient impetus for the rapid development of the Company.



Leadership improvement training session



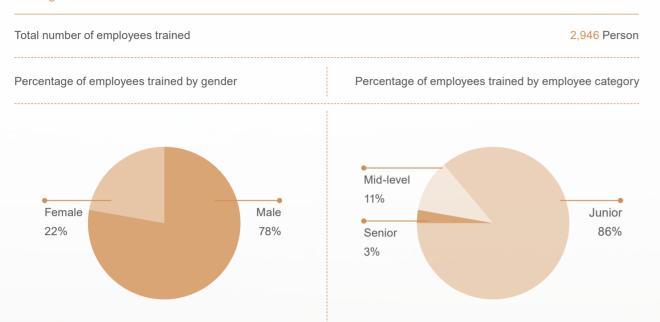
Case: Capacity improvement training for mid-level managers and business leaders of the Northeast Branch

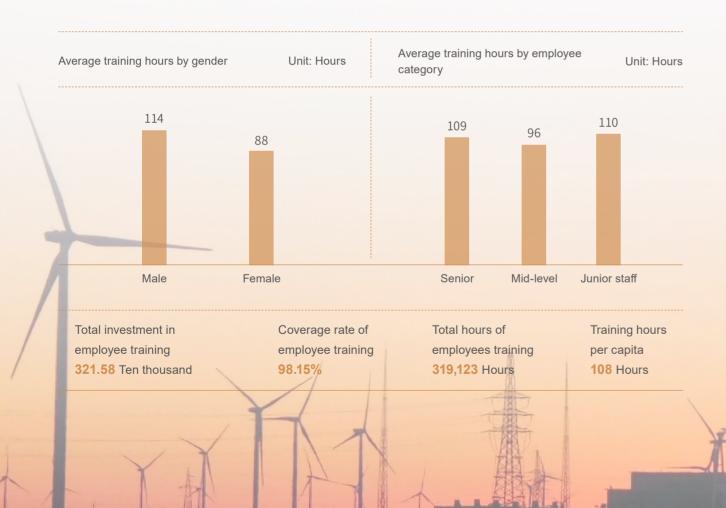
To build a team of cadres with outstanding business capabilities, further improve the Company's management level to reach the high-quality development, from May to July 2021, the Northeast Branch carried out a two-month training for mid-level managers and business leaders every Friday. Through the combination of theoretical knowledge and case analysis, from the planning and analysis of "the 14th Five-Year plan" at the national level to the operation and management approaches of leading enterprises worldwide, and to the management efficiency of human resources, finance, and project management formed by the core of leadership, the participants were provided with systematic training in where they achieved huge benefits. Upon completing of the training, the Company also granted awards and certificates to employees with outstanding performance.



Training awarding ceremony

Training Data





Fulfilling Social Responsibility

Rural Revitalisation

We actively respond to the government's call for rural revitalisation, encourage all employees to take adequate measures, and support the local development of rural areas through a series of practical and effective actions such as ecological protection, green procurement, donation for education, and volunteer services, to help increase the consumption and income in target areas. In addition, we carry out ethics construction throughout the whole process of external poverty alleviation and donation management, always bear in mind the task of consolidating the results of poverty alleviation, continue to respond to the call of the government with practical actions, actively fulfil the responsibility of a state-owned enterprise, and contribute to the progress of rural revitalisation.



Case: Rural support in Xiaolongmen Village

Xiaolongmen Village located in Mentougou District, Beijing. Its economy has experienced a sharp drop in recent years resulting from the industrial reformation. In 2021, the Company actively responded to the government's call, undertook the social responsibility of state-owned enterprises, and designate Xiaolongmen Village as an experimental project for rural revitalisation to carry out the work of income growth by helping the poor villages. Xiaolongmen Village was titled "Capital Green Village" and "National Forest Village" with geographical advantages, hence the Group cooperated with Guest-houses enterprises to create a unique honey brand through industrial assistance, to increase the income of villagers; the Group actively organises cultural exchange, science popularisation, sports and fitness activities to enrich the cultural life of residents, and will continue to rely on arable land and tourism resources for future rural construction work, give full play to the advantages of targeted assistance projects, and strive to build a boutique homestay and high-end forest and fruit industry, so as to achieve the revitalisation goal of the development and growth of the collective economy.



Case: The honour of rural revitalisation of Shangzhuang Power

Shangzhuang Power has always carried out poverty alleviation work empowered by the practical activity of "I do practical things for the public". In February 2021, Beijing Capital Agricultural Consumption Support and Innovation and Entrepreneurship Centre sent a silk banner of "practising the social responsibility of state-owned enterprises and supporting rural revitalisation together" to Shangzhuang Power, expressing its gratitude for its assistance in Inner Mongolia, Xinjiang, Tibet and Qinghai provinces.





Shangzhuang Power received silk banner



Case: "Unity Circle" activity of joint construction of rural education sponsorship

To carry out the activity of "I do practical things for the public", fulfil the responsibility of state-owned enterprises with practical actions, show the dedication of cadres and employees, and pass on the positive energy of the enterprises. Jingxi Power and the Inner Mongolia Branch held the "Unity Circle" activity of joint construction of rural education sponsorship in July 2021, calling on 208 staff members to make donations and used the funds to purchase books, stationery, school bags and other school supplies for students in need with the raised funds, hoping to encourage them to overcome difficulties.





"Unity Circle" activity of joint construction of rural education sponsorship

Social Welfare

The Group insists on integrating its own development into the sustainable development of the surrounding community, advocates the public care and civilisation, pays attention to the people's livelihood and vulnerable groups, and carries out social welfare activities in various ways such as donation for education and volunteer services to promote the construction of a harmonious society.

2021 Total hours of public welfare service

1,753 Hours

Total amount of charitable donations¹⁴

1,843.31 Ten thousand



Case: Gerocomium volunteer activity of the Northwest Branch

To mobilise young employees to learn from Lei Feng spirit, in March 2021, Fugu Wind Farm of the Northwest Branch organised young employees to go to the gerocomium to clean up for the elderlies, sort out internal affairs, repair home appliances, inquire about their living conditions, listen to their voices, and fulfil the social responsibility with the practical action of "learning from Lei Feng".





Volunteer activities



Case: Donation activity of the Northwest Branch

To ensure the healthy growth of primary and secondary school students and contribute to the sports education of rural schools, in December 2021, the Northwest Branch held a donation of "Supporting Rural Revitalisation — sports equipment and bags for primary and secondary school students in rural areas" in Yongxin Central Primary School in Gansu province, donated more than 100 sets of sports equipment packages, which resolved the shortage in sporting goods and created a strong sports atmosphere for the students. The poverty alleviation activity is a practical achievement to help the people solve the problem of difficulties, and is also a caring move to fulfil the responsibility of a state-owned enterprise.





Donation ceremony

¹⁴The amount of social welfare donations includes: party member donations, consumption assistance and public welfare donations.

APPENDIX

Index of the ESG Reporting Guide Issued by the Hong Kong Stock Exchange

A.ENVIRONMENT	AL		
Subject Areas, Asp	ects, Gen	eral Disclosures and KPIs	Section
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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.		LOW-CARBON, CLEAN AND ECO- FRIENDLY: Emissions Management
	A1.1	Types of emissions and respective emissions data.	LOW-CARBON, CLEAN AND ECO- FRIENDLY: Emissions Management
	A1.2	Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	LOW-CARBON, CLEAN AND ECO- FRIENDLY: Emissions Management
Key Performance Indicators	A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	LOW-CARBON, CLEAN AND ECO- FRIENDLY: Emissions Management
Indicators	A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	LOW-CARBON, CLEAN AND ECO- FRIENDLY: Emissions Management
	A1.5	Description of emission target (s) set and steps taken to achieve them.	LOW-CARBON, CLEAN AND ECO- FRIENDLY: Emissions Management
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	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).	LOW-CARBON, CLEAN AND ECO- FRIENDLY:Use of Resources
	A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	LOW-CARBON, CLEAN AND ECO- FRIENDLY:Use of Resources
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General Disclosure	Policies	s on identification and mitigation of significant climate-related which have impacted, and those which may impact, the issuer.	LOW-CARBON, CLEAN AND ECO- FRIENDLY:Respond to Climate Change
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Performance Indicators B7.2 Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored. B7.3 Description of anti-corruption training provided to directors and staff. Aspect B8: Community Investment General Disclosure Key Performance Indicators B8.1 Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). B8.2 Resources contributed (e.g. money or time) to the focus areas CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility	Performance		Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the		
Aspect B8: Community Investment General Disclosure Key Performance Performance Indicators B8.1 Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). B8.1 Recurrence contributed (e.g. money or time) to the focus areas CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE COMMUNITY: Fulfilling Social Responsibility CARE FOR PEOPLE AND CARE FOR THE		B7.2			
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Series of the communities where the issuer operates and to ensure its activities take into consideration the communities interests. Key Performance Performance Indicators Performance Pe	Aspect B8: Community Investment				
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		B8.2		CARE FOR PEOPLE AND CARE FOR THE	



Beijing Jingneng Clean Energy Co., Limited

Address: 6 Xibahe Road, Chaoyang District, Beijing

Zip code:100028

Telephone:010-87407188