

恒豐公用事業有限公司
HENG FENG PUBLIC UTILITY COMPANY LIMITED

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ABOUT THIS REPORT

This Report is prepared in accordance with the requirements of the “Environmental, Social and Governance Reporting Guide” as set out in Appendix 27 of the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited.

Continuously practising the social responsibility of “Friendly Environment, Warm Home”, the Company attaches great importance to the harmonious unity of economy and ecology, deeply implements the concept of green development, strictly implements relevant environmental protection policies, vigorously promotes energy conservation and emission reduction, deeply cultivates environmental protection industry, and actively promotes the development of new energy industry. The Company adheres to the people-oriented principle, scientifically builds staff team, protects the rights and interests of employees, and cares for the life of employees. The Company maintains effective communication with suppliers, customers, market investors and other stakeholders, takes into account the interests of stakeholders, creates a mutually beneficial and win-win relationship, and continuously promotes the healthy development of the enterprise. The Company persists in giving back to the society, vigorously supports social public welfare activities, and establishes an accountable and responsible corporate image.

In 2021, the Company conscientiously implemented national energy conservation and environmental protection laws and regulations. Control of pollutant emissions, conservation of resources, and usage of natural resources were in compliance with laws and regulations; the Company adopts people-oriented approach, builds harmonious labor relations and strengthens occupational health protection, so as to fully protect employees’ legitimate rights and interests; it strengthens supply chain management, fulfills product responsibilities, meets customer satisfaction, fulfills social responsibilities and takes into account the interests of all interested parties to the maximum extent. It actively carries out investments in community and anti-corruption to maintain regional stability and promote community harmony. The Company has seriously complied with code provisions set out in the Corporate Governance Code in Appendix 14 of the Listing Rules of the Stock Exchange of Hong Kong Limited and, where appropriate, adopted the recommended best practices as specified therein.

The standards, methods, assumptions and calculation tools used in this report are in accordance with the relevant laws and regulations on environment and safety in China. The statistical methods or key performance indicators are consistent with those in previous years. The scope of the report includes the Company and its subsidiaries.

为世界提供动力

为人美带来幸福



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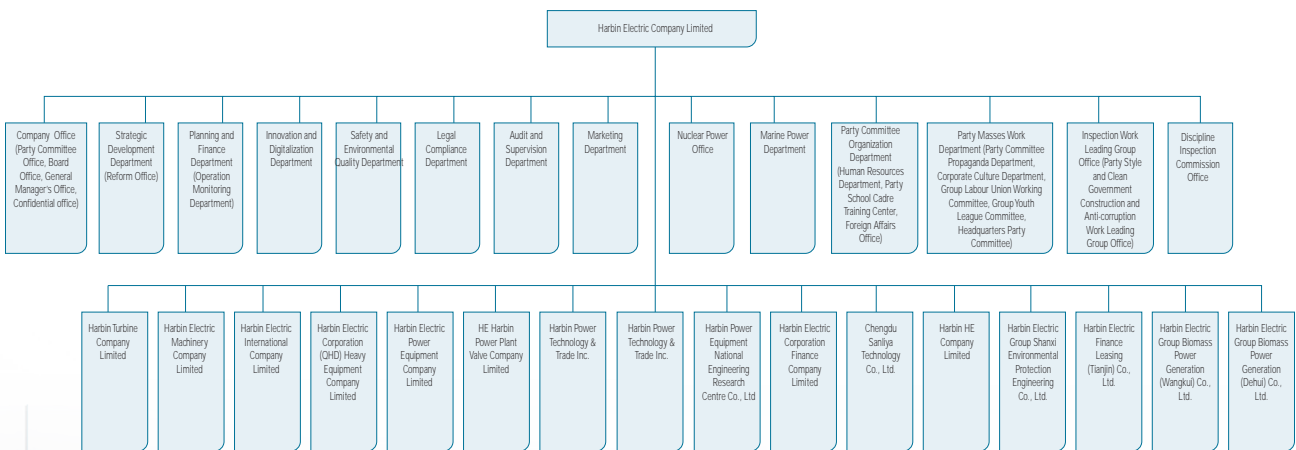
I. ABOUT THE COMPANY

Harbin Electric Company Limited (the “Company”) together with its subsidiaries is one of the largest power generation equipment manufacturers in China, with more than 13,000 employees and an annual power generation capacity of 30 million kilowatts.

The Company has been always committed to the revitalization and development of China’s equipment manufacturing industry, and has actively promoted a new leap in China’s power generation equipment manufacturing level and independent innovation capability. Some of its technologies have met the international advanced level. Adhering to the concept of sustainable development, the Company continues to strengthen the development of high-efficiency clean energy and new energy power generation equipment to achieve the coordinated development of enterprise and environmental protection.

Based on the domestic market, the Company actively carries out the “Going Global” strategy, and implements “Belt and Road” initiative. Its hosts and matching auxiliaries of thermal power, hydropower, nuclear power, etc. have been exported to more than 40 countries and regions, including India, Brazil etc.. Meanwhile, the Company also launches EPC, BOT and BOO businesses of mechanical and electrical equipment as well as power transmission and transformation projects in thermal power stations, wind farm and hydropower stations both at home and abroad.

The Company brings together domestic first-class scientific research, technology and management elites, owns advanced production and scientific research test equipment, and has a perfect quality assurance and quality control system. Its research and development capabilities, manufacturing capabilities and power station construction capabilities rank the top among manufacturers of power plant equipment in the PRC.



I. ABOUT THE COMPANY

In 2021, in the face of great changes unseen in a century, the Company coordinated and focused on production and operation, reform and development, and achieved year-on-year growth in the annual total industrial output value, formal contract signing amount and power generation equipment output. Key breakthroughs were made in the construction of major projects, and positive progress was made in independent technology research, achieving certain results. However, due to factors such as significant decline in the coal power industry, rise in raw material prices and exchange rate fluctuations, the Company experienced a significant decline in efficiency level in 2021.



Xi Jinping, General Secretary of the Central Committee of the Chinese Communist Party, President of the People's Republic of China, and Chairman of the Central Military Commission, sent a letter of ongratulations on taking the lead for the power generation of the Baihetan hydropower station unit, the world's first 1 million-kilowatt hydropower unit designed and manufactured by the Company, and Li Keqiang, Member of the Standing Committee of the Political Bureau of the Communist Party of China (CPC) Central Committee and Premier of the State Council, provided comments and instructions.

II. MANAGEMENT OF ENVIRONMENTAL, SOCIAL AND GOVERNANCE WORK

(I) MANAGEMENT STRUCTURE

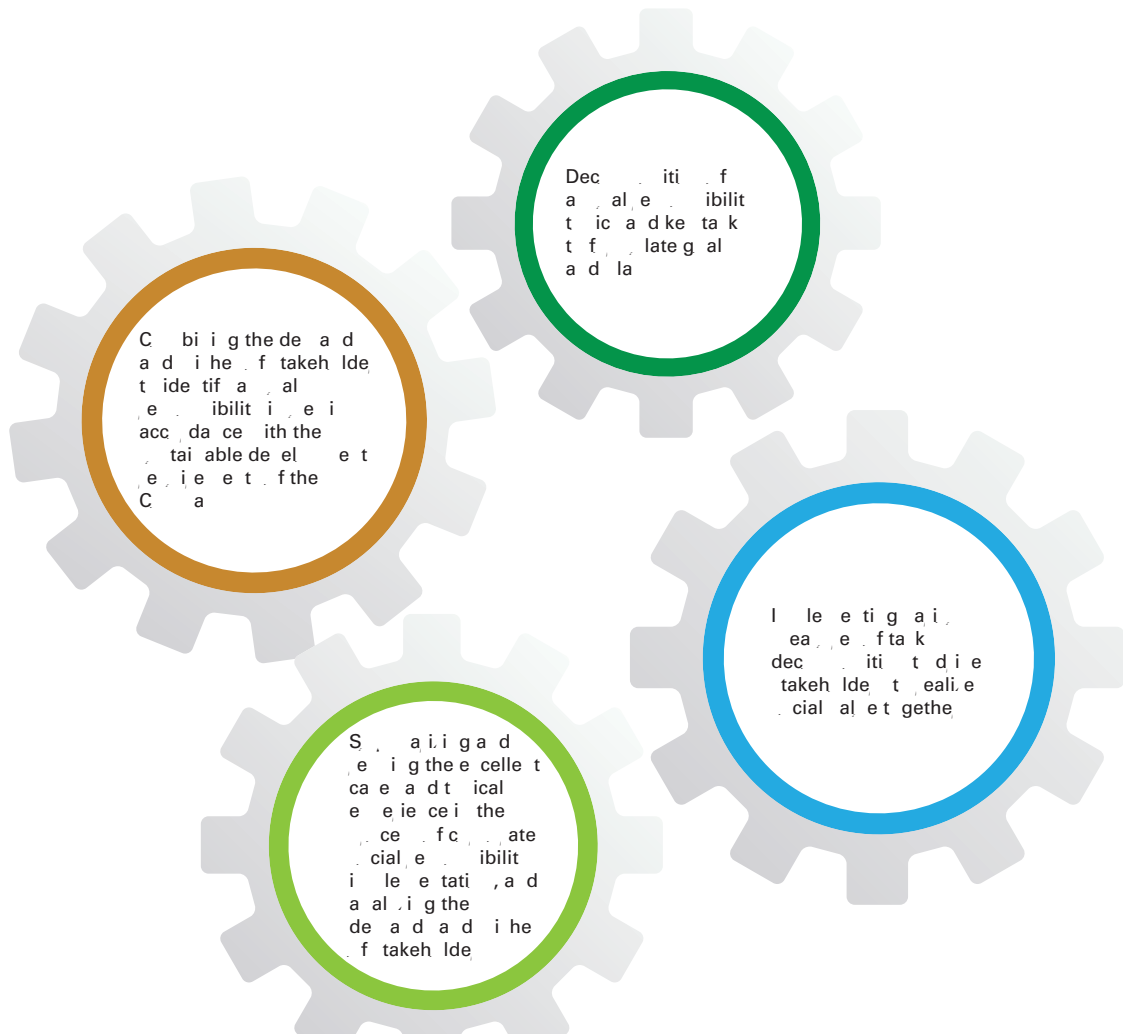
The Board is responsible for the management of the environmental, social and governance work of the Company. The Board conducts a comprehensive review of the Company's environmental, social and governance work every year. Under the leadership of the Board, the managers organize and implement relevant work, establish necessary working organizations, and various professionals continuously provide necessary support for environmental, social and governance work, carry out management research, establish relevant management systems, and formulate work plans and major deployment.

All levels of the Company clearly define and refine the work objectives, formed a long-term working mechanism, widely publicize and implement in all professions, all levels and posts realize the coverage of production and operation system, asset and economic operation management and functional management system.

Through the formulation and implementation of sustainable development strategy, establishment and improvement of stakeholder participation mechanism, construction of social responsibility promotion system, and construction of comprehensive value creation assessment system, the Company shall do a solid job in resource coordination, capacity building, process monitoring, experience summary and improvement, strengthen information disclosure, and provide support for participation of stakeholders, so as to promote the Company to realize the whole process of environmental, social and governance coverage, all-round integration and full participation.

In order to meet the requirements of sustainable development, the Company implements the relevant laws

II. MANAGEMENT OF ENVIRONMENTAL, SOCIAL AND GOVERNANCE WORK



II. MANAGEMENT OF ENVIRONMENTAL, SOCIAL AND GOVERNANCE WORK

Centering on reform and development, the Company adheres to the people-oriented principle, adheres to being close to the reality of production, close to life, and close to the spiritual pursuit of employees, builds a corporate culture focusing on cultural connotation, era characteristics, and international vision, and organically integrates the concept of social responsibility with strategy, culture and corporate operation to further enhance the ability to fulfill responsibilities. Under the overall path and framework of “serving national strategies, fulfilling social responsibilities, and pursuing customer satisfaction”, the Company actively fulfills social responsibilities, takes into account the interests of all stakeholders to the greatest extent, and achieves the harmonious coexistence of enterprises, society and nature.

Stakeholders	Expectations and requirements	Communication mode	Responsibility practice
Government	Cooperating with macro control to promote employment Paying taxes according to law Promoting local economic development and operating in accordance with the law	High level meeting Communication meeting Information submission Attend the meeting Company announcement	Providing jobs and paying taxes voluntarily Social wealth creation Promoting the development of local related industries and steady business development
Staff	Occupational health and safety protection Growing together Remuneration and welfare guarantee and humanistic care	Open party affairs and open government affairs Social Responsibility Report	Providing labor protection equipment and facilities, smooth career development channel Providing competitive remuneration and employee care
Customer	Keeping promise Products and services with high quality and low price Smooth communication channels	Business communication meeting Service hotline telephone Business exchange visits	Contract performance Providing high quality products and services Improving the service system
The public	Conserving energy, reducing emissions Resources conservation Environmental protection and public welfare	Strengthening information disclosure Letters and visits Reporting energy conservation and emission reduction information to regulatory authorities on a regular basis	Green environmental management Green products Green projects
Supplier/contractor	Fair competition Honesty and faith Confidentiality of information	Supplier Conference Bidding information disclosure Strategic cooperation and agreement	Equal consultation Abiding by the contract Responsible procurement
Cooperative partner	Regular communication Long-term stable relationship	High level visits Strategic cooperation	Honest and law-abiding Mutual benefit and win-win

II. MANAGEMENT OF ENVIRONMENTAL, SOCIAL AND GOVERNANCE WORK

Stakeholders	Expectations and requirements	Communication mode	Responsibility practice
Peer	Fair competition Promoting the development and progress of the industry	Strengthening exchanges with peers Participating in industry forum, conference and visit each other	Maintaining the healthy development of the industry Participating in the formulation of industry standards Promoting industry exchanges and cooperation
Community and NGOs	Improving the community environment Respecting community culture Supporting public welfare undertakings	Community publicity Community public service Forum	Participating in community building and public welfare action
Media	Open and transparent information	Company website Social responsibility report Newspapers and periodicals Interview and press conference	Establishment of a press spokesman Special topic planning Timely information disclosure Hold staff culture and art Festival

II. MANAGEMENT OF ENVIRONMENTAL, SOCIAL AND GOVERNANCE WORK

(II) CONCEPT AND POLICY

Continuously putting into practice the social responsibility of “Friendly Environment, Warm Home”, the Company attaches great importance to the harmonious unity of economy and ecology, deeply implements the concept of green development, strictly implements relevant environmental protection policies, vigorously promotes energy conservation and emission reduction, deeply cultivates environmental protection industry, and actively promotes the development of new energy industry. The Company adheres to the people-oriented principle, scientifically builds staff team, protects the rights and interests of employees, and cares for the life of employees. The Company maintains effective communication with suppliers, customers, market investors and other stakeholders, takes into account the interests of stakeholders, creates a mutually beneficial and win-win relationship, and continuously promotes healthy development of the enterprise. The Company persists in giving back to the society, vigorously supports social public welfare undertakings, and establishes an accountable and responsible corporate image.

The Company pursues the harmony and unity of economic value, environmental value and social value, takes “innovation, green, open, coordination and sharing” as the development concept, and constantly summarizes and refines excellent management cases and typical experience of the Company’s environment, society and governance through communication with customers, partners and employees, so as to comprehensively evaluate and identify the importance level of environment, social and governance related issues.

III. ENVIRONMENTAL PROTECTION

The Company strictly follows the Environmental Protection Law of the People's Republic of China and other national laws and regulations, strictly implements the national environmental protection policy, coordinates the tasks of carbon peaking and carbon neutralization during the "14th Five-Year Plan", always concerns itself with environmental protection and works on energy saving and emission reduction, and actively assumes social responsibility to reduce water, air, waste and noise pollution; actively uses new energy and renewable energy to expand the environmental protection industry, create value, take responsibility, respect the society, develop in an environment-friendly manner, and contribute to building a resource-saving and environment-friendly society.

In 2021, the Company had no violations in environment protection.

Environmental performance indicators	Unit	2021
Investment in energy conservation and emission reduction	RMB10,000	1218
Comprehensive energy consumption per RMB10,000 output value	Tonnes of standard coal/ RMB10,000	0.029
New water consumption per RMB10,000 output value	Ton of water/RMB10,000	0.3855
Wastewater discharge	10,000 tonnes	67.45
CO2 emissions	10,000 tonnes	23.37

III. ENVIRONMENTAL PROTECTION

(I) EMISSION REDUCTION

In 2021, the Company put into practice the concept of green development with practical actions, continued to increase the work of energy conservation and emission reduction, invested over RMB12 million in energy conservation and emission reduction, focused on the application of new technologies and new processes of energy conservation and emission reduction, and promoted the upgrading and transformation of electricity, water and heating.

In terms of pollutant emissions, in 2021, the Company's SO₂ emission was 0.03 tonnes, representing a year-on-year decrease of 99.8%; NO_X emission was 26 tonnes, representing a year-on-year increase of 30%; COD emission was 19.66 tonnes, representing a year-on-year decrease of 84%; and NH₃-N emission was 0.65 tonnes, representing a year-on-year decrease of 95%; CO₂ emission was 233,700 tonnes, and the emission of CO₂ per RMB10,000 of output value was 0.105 tonnes equivalent/RMB10,000.

The Company has rigorously complied with environmental protection regulations regarding the generation declaration, transfer and disposal as well as contingency plan of hazardous wastes. It has standardized and enhanced the environmental management of hazardous wastes by engaging operators holding valid license for processing hazardous wastes.

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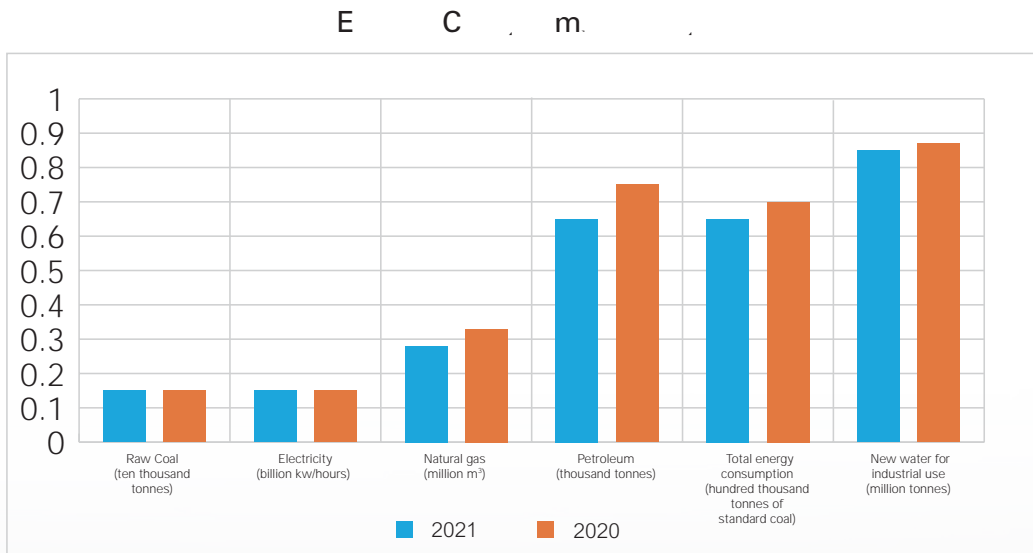
III. ENVIRONMENTAL PROTECTION

(II) ENERGY AND RESOURCES CONSERVATION

The Company strictly abides by the PRC laws and regulations on resource conservation, has established “Energy Management System”, “Rewards and Punishments for Assessment of Single Major Energy Consuming Equipment”, “Measurement Management System”, “Energy Management System for Outer-ring Users”, and strictly implements the above-mentioned measures during our production process.

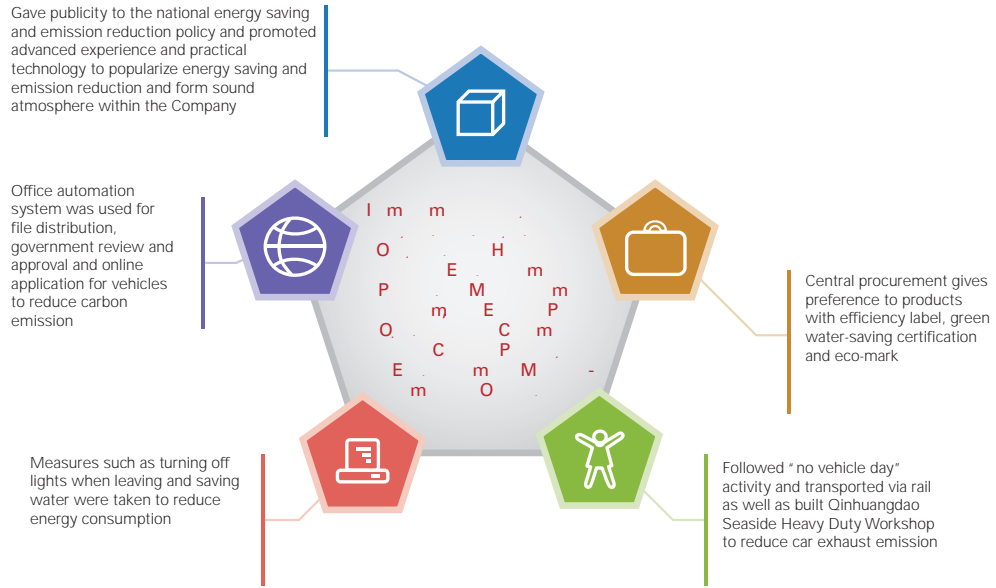
The major raw materials required by the Company are steels and non-ferrous metals. By continuously improving our designs and techniques to promote the utilization rate of materials. In 2021, the Company’s utilization rate of major raw materials was 80%, and 16,778 tonnes of packaging materials such as steel, wood, plastic and paper were used.

The Company’s energy consumption continued to decrease. In 2021, the total energy consumption was 56,400 tonnes of standard coal, representing a year-on-year decrease of 2.55%; The comprehensive energy consumption of RMB10,000 output value was 0.029 tonnes of standard coal/RMB10,000, representing a year-on-year decrease of 5.23%; The Company consumed 139.39 million kWh of electricity, 13.59 million m³ of natural gas, 284 tonnes of petroleum, 0.64 million GJ of heating power, with a total energy consumption of 56,400 tonnes of standard coal for the year; The consumption of new water for industrial use was 0.858 million tonnes.



III. ENVIRONMENTAL PROTECTION

There are no water sourcing issues as the water and resources used by the Company are industrial finished products and there is no significant influence on the natural resources. As headquarter is located in Harbin, the Company has access to abundant water and energy resources. Subject to energy saving and emission reduction as well as water saving, there are no other restrictions on the use of water and energy resources.



III. ENVIRONMENTAL PROTECTION

(III) DEEPLY CULTIVATING ENVIRONMENTAL PROTECTION INDUSTRY

At present, China has accelerated the implementation of the “dual carbon” goal, and accelerating the clean and low-carbon transformation of energy is the only way to achieve the “dual carbon” goal.

The Company focused on the establishment of a comprehensive and scientific research system and put more efforts into the implementation of scientific technology and a series of energy conservation and emission reduction policies and measures by advocating green technology and energy conservation philosophy, so as to strengthen the construction of low carbon industrial chain and promote sound and sustainable development.



On 20 December 2021, the world’s first pebble-bed module high-temperature air-cooled reactor with the characteristics of the world’s fourth-generation advanced nuclear energy system, Shidao Bay high-temperature air-cooled nuclear power plant was successfully connected to the grid for power generation. Upon commissioning of Shidao Bay, it is expected to reduce carbon dioxide emissions by 0.9 million tonnes per year, equivalent to reducing coal burning by 250,000 tonnes per year.

On 29 September 2021, the first two units of Lianghekou Hydropower Station, Yalong River, the highest million kilowatt hydropower station in China, were officially put into operation for power generation. After the completion of the project, the power generation capacity is equivalent to reducing raw coal consumption by 13.3 million tonnes and carbon dioxide emissions by 21.3 million tonnes per year.



III. ENVIRONMENTAL PROTECTION

The Company has been committed to the application of advanced process technology and equipment and the elimination of backward production capacity. Meanwhile, it has optimized its product structure, actively developed high-efficiency clean, energy-saving and environment-friendly power generation equipment, and vigorously developed clean energy such as hydropower and nuclear power.



On 29 December 2021, the generating units of Dehui Biomass Combined Heat and Power Generation Project were successfully connected to the grid, which provided strong guarantees in areas such as power supply, winter heating, employment, and environmental improvement in Dehui area. After the commencement of operation, the annual consumption of straw was approximately 0.241 million tonnes, and the annual production of green electricity was 0.26 billion kWh.

“Technology and Application of High Temperature Corrosion Prevention and Control of Boiler in Supercritical (Ultra-supercritical) Power Station” was awarded the First Prize of China Electric Power Science and Technology Progress.



The Company has an ultra-supercritical secondary reheat boiler with independent intellectual property rights. It is currently the world’s most advanced thermal power generation equipment with the highest parameters and the largest capacity, as well as significant energy saving and emission reduction advantages. The Company’s environmental protection industry also includes denitrification, dust removal, and desulfurization business. It is the earliest domestic enterprise to enter the denitration market. Its denitration products covers 135MW-1,100MW, and the cumulative generating unit capacity exceeds 100 million kilowatts. It is a leading enterprise in the domestic denitration industry.

IV. CONTRIBUTING TO THE COMMUNITY

The Company actively practices social responsibilities, creates more jobs, and realizes corporate social value. Focusing on the core values of “Concerted efforts, dedicated services”, the Company adopts people-oriented approach, builds harmonious labor relations, strengthens occupational health protection and continuously improves salary distribution system, so as to fully protect employees’ legitimate rights and interests. It strengthens supply chain management, fulfills product responsibilities, promotes the sustainable and healthy development of the enterprise by fulfilling social responsibilities and meeting customer satisfaction, and takes into account the interests of all interested parties to the maximum extent. It actively carries out investments in community and anti-corruption to maintain regional stability and promote community harmony.

Social Performance Indicators	2021
Tax payment (RMB0,000)	93,824
Total number of employees (no. of persons)	13,982
Labor contract coverage (%)	100%
Social security rate (%)	100%
Total amount of staff training (RMB0,000)	909
Number of occupational diseases (no. of persons)	0
Turnover (no. of persons)	167
Additional postgraduate education or above (no. of persons)	96

(I) EMPLOYMENT POLICY

The Company implemented a working system of five days a week and eight hours a day. Staff are entitled to all holidays prescribed by the nation and local governments and are entitled to paid leaves ranging from 5 to 15 days depending on their years of service. Staff of the Company are entitled to “5 Insurances and 1 Pension” and other benefits. The Company has also established the corporate pension scheme to provide better guarantee for our staff.

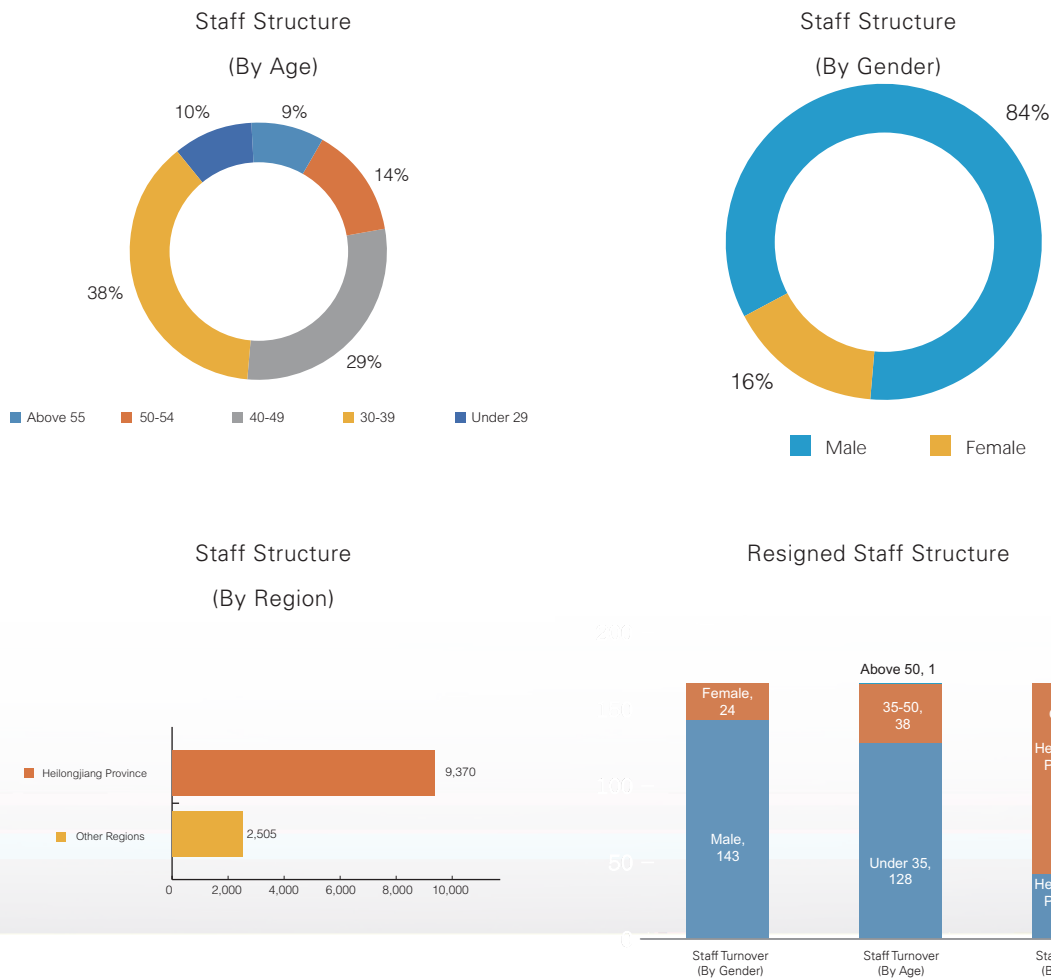
The Company has revised the occupational-disease-inductive management system according to law and organized employees to carry out occupational health examinations. At the same time, the Company paid attention to fostering healthy models and behaviors of employees.

The Company adheres to its “people-oriented” development concept, strictly abides by laws and regulations such as the Labor Law and Labor Contract Law, emphasizes staff management, enters into labor contracts with employees in accordance with the law, pays social insurance in full, and focuses on protecting personal information of our employees. It endeavors to create better working environment for its staff, and at the same time reduces exposure to labor employment risks, as well as efficiently eliminates the use of child and forced labor. In 2021, the Company did not employ child labor and forced labor.

IV. CONTRIBUTING TO THE COMMUNITY

(II) STAFF STRUCTURE

As of 31 December 2021, the total number of employees in the Company was 13,982, including 11,875 employees at work, 1,914 female employees, accounting for 16.12% of the total. The number of the employees aged over 55 was 1,108, accounting for 9.33%; aged 50–54 was 1,708, accounting for 14.38%; aged 40–49 was 3,469, accounting for 29.21%; aged 30–39 was 4,456, accounting for 37.52%; aged under 29 was 1,134, accounting for 9.55%. The number of the employees in Heilongjiang province was 9,370, accounting for 78.91%; the number of employees in other regions was 2,505, accounting for 21.09%. In 2021, there were 167 staffs who has resigned from the Company.



(III) HEALTH AND SAFETY OF EMPLOYEES

The Company attaches great importance to the health and safety of our staff members. Each subsidiary has set up a regulatory system for production safety and occupational diseases prevention and control. Specific department is assigned to oversee the safety in production, striving to create a safe working environment for the Company's staff members and keep them out of occupational health hazard.

The Company effectively operates the Occupational Health and Safety Management System (GB/T45001–2020/ISO45001:2018) and Environmental Management System (GB/T24001–2016/ISO14001:2015). Insisting on the policy of “placing safety on top of the priority list, taking precaution as the main task and providing comprehensive treatment”, we continue to deepen major responsibilities in ensuring production safety, and extensively commence promotion, education and training on production safety, while safety education will be provided to new employees once they join our Company. We continued to work on meeting the targets of production safety standardization and established sound mechanism on contingency and reaction for overseas safety issues for overseas investment cooperation.

Large-scale inspections on production safety are performed regularly to eliminate any potential hazards in a timely manner. Generally, the Company arranges regular medical checkups for staff members once every year. For those who work under poor environment, the items checked and frequency of checkups will be increased accordingly and treatment are regularly organized to minimize occupational threat to their health, enhancing our level of occupational health and safety and environmental management.

In 2021, the Company inspected a total of more than 2,600 potential safety hazards with a rectification rate of 99%, conducted more than 200 emergency drills with more than 5,000 attendances, invested more than RMB48 million in production safety, and held more than 200 training sessions on production safety attended by 50,000 persons. Throughout the year, there were no accidents with serious injuries and no fatal incidents, and there were 13 minor accidents with 13 employees suffering from slight injuries. Rate of work injury involving a thousand workers was 1.15%, and the lost time due to work injury was 13,210 hours.

In 2021, the Company continued to strengthen the concept of safety development and red line awareness, laid a solid foundation for work safety and environmental protection, earnestly carried out the centralized work of safety production, paid close attention to the implementation of the responsibility system for work safety, and continuously promoted the construction of risk prevention and hidden danger investigation and management, production safety standardization and dual prevention mechanism, so as to ensure the safety of employees.

IV. CONTRIBUTING TO THE COMMUNITY



Fire Prevention Publicity Carried Out by Subsidiaries



Education Warning Base of Subsidiaries

(IV) DEVELOPMENT AND TRAINING OF EMPLOYEES

In order to strengthen the construction of core talents team, the Company released a series of documents related to talents to guide and motivate the personnel development through dual channels including talents and official career, gradually improving the core talent system of the Company. The Company attached great importance to the construction of employees' career development channels and formulated the guidance on unifying the management of employees' career development channels. It has realized the "four-unified" channel construction of unified development sequence, rank setting, assessment management and incentive methods for all employees, and established promotion channels for the corresponding levels of cadre grades, technical grades, management grades and skill grades, which further removed the obstacles to the talent mobility, stimulated the vitality of talents, innovated the talent mechanism, and provided strong support for the Company's high-quality development.



The Company held the 2021 training class for outstanding young leaders

In 2021, the Company continued to focus on building a high quality, high technology and skilled talent team, which organized a total of 959 training sessions and carried out various training for 50,300 persons.

Staff to be trained	By gender		By position level		
	Male	Female	Senior management	Mid-level management	General staff
Percentage of trainees	98%	97%	100%	100%	97%
Average training hours	42	42	107	98	38

(V) SUPPLY CHAIN MANAGEMENT

The supply chain management of the Company adopts a centralized and decentralized mode of operation. Some of the materials are purchased by the subsidiaries in accordance with the bidding and procurement procedures, respectively. Some of the materials are purchased by the Company and gradually expanded to the proportion of centralized purchasing. At the same time, giving full play to the functions of the tender center, we establish and improve the bidding system, and gradually expand the scope of the tender, standardize management and improve efficiency.

The Company standardizes supplier management, adopts strict credit approval process, and implements procurement tender transparency management. The engagement of suppliers strictly fulfills the following processes:

- (1) To strictly review the nominated suppliers' quality assurance capacity, technical level, commercial qualification and other aspects according to the Supplier Qualification Management Approach and include those passing the review in the list of qualified suppliers.
- (2) To select the qualified suppliers to purchase materials in the list of qualified suppliers, fulfill the tender procedures, issue a notice to more than three qualified suppliers, preliminarily evaluate the organizational documents, conduct tender review, and ultimately determine the supplier based on the comprehensive review results and sign a procurement contract.

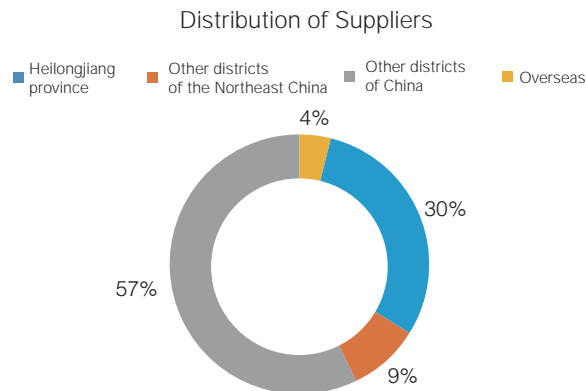
IV. CONTRIBUTING TO THE COMMUNITY

For some suppliers, the Company will review relevant information on its environmental and social responsibility. The review process is as follows:

- (1) It is necessary to provide the corresponding documents within one to three days in advance to review the requirements for the review of environmental management operations control procedures, social responsibility reports and their supporting documents. Those who fail to pass environmental certification or have no social responsibility report are required to provide relevant documents on environmental management and social responsibility.
- (2) Persons with environmental system qualification and business management experience are appointed to conduct on-site audits based on the documents provided.

In 2021, the Company reviewed a total of 533 new suppliers. As at 31 December 2021, the Company had 5,507 qualified suppliers.

Private enterprises account for the majority of the Company's suppliers, and the Company pays the purchase price in time during the procurement to support the development of private enterprises.



(VI) PRODUCT LIABILITY

The Company has established the concept of “community of interest”. With the purpose of serving customers, facilitating customers, and meeting customer needs, we sincerely treat customers and partners, and establish a complete customer relationship management system. We treat customers as long-term strategic partners, going forward and backward together, jointly discovering business opportunities in the market, carrying out business development, and sharing development results. We timely and accurately resolve problems in project execution. There was no negative information on partner responsibility in 2021.

The Company always adheres to be considerate and responsible for the users, and to improve the overall product quality and service quality. The Company always adheres to the quality concept of “exquisite design, superb craftsmanship, fine manufacturing and excellent project” to create well-recognised brands that are highly regarded and trusted by users all over the world, continuously strengthens project management to maximise the needs of users, create more value for users and establish a trustworthy corporate image.

In 2021, the total investment in technology was RMB1.334 billion, and the investment intensity in R&D was 6.37%	Xi Jinping, General Secretary of the Central Committee of the Chinese Communist Party, President of the People’s Republic of China, and Chairman of the Central Military Commission, sent a letter of ongratulations on taking the lead for the power generation of the Baihetan hydropower station unit, the world’s first 1 million-kilowatt hydropower unit designed and manufactured by the Company, and Li Keqiang, Member of the Standing Committee of the Political Bureau of the Communist Party of China (CPC) Central Committee and Premier of the State Council, provided comments and instructions.
Completed 344 research projects and developed 254 new products	Technology and Application of High Temperature Corrosion Prevention and Control of Boiler in Supercritical (Ultra-supercritical) Power Station was awarded the First Prize of China Electric Power Science and Technology Progress
Received 24 technology awards above provincial level	Technological Innovation and Industrialization of Large-scale Coal-fired Unit Coupling Biomass Gasification Power Generation was awarded the Second Prize of China Machinery Industry Science and Technology Award
Completed 536 patent licenses, including 108 invention patents	Development and Application of High-efficiency and Ultra-supercritical Boiler with Fully-fired High Alkali in Xinjiang was awarded the Second Prize of Science and Technology of China Machinery Industry

IV. CONTRIBUTING TO THE COMMUNITY

The Company has established relevant procedures, such as the “Administrative Measures for Work on Patent-Related Issues”, to safeguard and protect intellectual property rights.

Based on the requirements of ISO9001 quality management system and the actual situation of their products and the market, the subsidiaries of the Company have formed an effective quality control model.

Each subsidiary of the Company has set up a special quality inspection department, which is responsible for the final monitoring and measurement of incoming materials, process rooms, and products (both including monitoring and measurement at the supplier).

In 2021, zero quality accident occurred in the Company. No product was recovered for safety and health reasons. No complaint relating to product and service was received.



Our customers are mainly power generation enterprises. The Company’s products generally go through 168-hour trial operation after installation is completed in the power plant, and put into commercial operation after being qualified. During the period of commercial operation, the Company will generally offer one-year quality guarantee period to customers.

In providing users with products that meet their needs, the Company is also committed to offering timely, effective service to users, with 100% coverage rate of leading product service business.

Strengthen Publicity	Information Protection	Platform Support	Smooth Communication
<p>Actively organized user seminars, lectures and other activities, and widely invited customer representatives and industry experts and scholars to participate in the activities. Product and service knowledge promotion enabled customers to have a more comprehensive and in-depth understanding of the Company's products.</p>	<p>Focused on customer information protection and strengthened project personnel training and management. Established a customer information management system, stipulating that the acquired private customer information shall not be provided to third parties without the customer's permission.</p>	<p>Launched a power station service platform to provide domestic and foreign customers with product technical consultation, installation and commissioning, overhaul and maintenance, upgrade and transformation, online monitoring, remote diagnosis and other services, throughout the product development, installation, operation and other life cycles.</p>	<p>Set up window for after-sales consultation, problem feedback and customer complaints, established channels for problem communication and resolution, and improved the efficiency and quality of problem solving through online communication and video conference interaction.</p>

IV. CONTRIBUTING TO THE COMMUNITY

(VII) ANTI-CORRUPTION

The Company adheres to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, fully implements the spirit of the 5th and 6th Plenary Sessions of the 19th Central Committee of the Communist Party of China and the 5th Plenary Sessions of the 19th Central Commission for Discipline Inspection, deeply understands the decisive meaning of “two establishments”, focuses on “two maintenances” to strengthen political supervision, and ensures the implementation of the decisions and arrangements of the CPC Central Committee. The Company is firmly committed to combating corruption. It will strengthen the Party’s main responsibilities and supervisory responsibilities, give full play to the role of leading groups and coordination groups in the work of building a clean and honest administration of the Party’s work style and anti-corruption work, strengthen the political supervision, innovate the daily supervision, focus on supervision and coordination, and endeavor to establish a unified supervision and coordination structure.

The Company adheres to the key tone of “strictness”, continues to deepen the promotion of the “three Nos”, makes targeted efforts in the combination of punishment and deterrence, system constraints, and improvement of consciousness, and unswervingly promotes the anti-corruption battle in depth:

Firstly, strengthen the deterrent of “dare not corrupt”. The Company severely investigates and deals with typical cases such as “relying on enterprises to realize his/her own selfish interests” and violating the spirit of the Eight Provisions of the Central Government.

Secondly, improve the construction of the “no corruption” mechanism. The Company actively builds a working mechanism led by internal supervision of the Party and coordinates various supervision, and focuses on improving the power supervision mechanism and the law enforcement system.

Thirdly, create an atmosphere of “unwilling to corrupt”. The Company held a warning education conference, at which typical cases were reported by the real names, and the Party members and cadres were alerted by such real cases, so that the Party members and cadres could respect, stay afraid and defend the bottom line.

In 2021, there were zero cases of corruption in the Company.



The Company convened the Party building and the work conference for the construction of combating corruption and promoting integrity

(VIII) COMMUNITY CONTRIBUTION

The Company strived to maintain community stability and promoted community harmony. The Company had no negative publicity regarding social community in 2021.

The Company actively carried out corporate reforms, which maintained the stability of the enterprise and the place in which it operates; pushed forward the construction and operation of labour union mutual funds and charity funds from Party members and encouraged our employees to participate in public welfare activities and contribute to the society; we have also driven harmonious and sound development of the community through voluntary activities such as kindergarten education, medical service and aiding the poor, and actively carried out targeted poverty alleviation; the Company actively cooperated with the military and civilian development work of Harbin, Heilongjiang Province and strived for contributing to regional military and civilian development; we actively carried out anti-epidemic work and contributed to the national and local fight against the epidemic while achieving the goal of zero infection for employees.

Employees of the Company conducted voluntary nucleic acid testing services to contribute to the fight against the pandemic



In April 2021, more than 1,000 persons of the Company and its subsidiaries voluntarily donated more than 300,000 ml of blood

IV. CONTRIBUTING TO THE COMMUNITY

(IX) RURAL REVITALIZATION

On 17 May 2020, Wenshan City, a designated and assisted city of the Company, was officially lifted out of poverty.

In 2021, the Company continued the poverty alleviation efforts through projects, consumption, Party building and capital poverty, focusing on promoting Wenshan City to continuously consolidate and expand the achievements of poverty alleviation, and continuing to effectively connect rural revitalization.

Since 2015, the Company has selected 9 temporary cadres to assist in poverty alleviation work of Wenshan City; A total of 7 special training courses for cadres in Wenshan and 7 training sessions on poverty alleviation through education were held, with a total of nearly 600 cadres and the public in Wenshan Village being trained; During the COVID-19 pandemic, the Company actively purchased unsalable agricultural products from Wenshan City, and achieved over RMB8 million of poverty alleviation consumption through the activities of "Wenshan Products Entering Harbin"; We donated more than RMB1.6 million of Party fees for poverty alleviation to support the grass-roots Party building in Wenshan City.



Sun Zhiyong, Executive Director of the Company, paid a visit to Wenshan City.

The Company carried out the activity of "Giving Love to Micro Charity, Realizing Dreams of Micro Wishes", providing RMB139,725.92 of dream-realizing funds for primary and secondary school students from poor families in Wenshan City, and fulfilling the micro wishes of 1,800 primary and secondary school students



The Company selected and designated cadres to the front line of poverty alleviation

V. CORPORATE GOVERNANCE

The Company has been actively enhancing its corporate governance structure and standardizing its operations through strictly complying with relevant provisions such as the Company Law of the People's Republic of China and the Securities Law of the People's Republic of China. The Board of the Company is committed to maintaining a high standard of corporate governance, and believes that good corporate governance practices are crucial to the success and sustainable development of the Company's business in the long run.

In 2021, the Company has fully complied with all code provisions set out in the Corporate Governance Code in Appendix 14 of the Listing Rules of the Stock Exchange of Hong Kong and, where appropriate, adopted the recommended best practices as specified therein. The Board of the Company is responsible for the fulfillment of the corporate governance functions. In 2021, the Board of the Company has strictly observed the policies and practices in compliance with laws and regulatory requirement, and also formulated and amended its regulations with reference to those policies and practices, with an aim to perfect our corporate governance policies and practices. The Company continues to focus on the training and continuing professional development of directors and senior management, and actively carries out internal review and rectification work to improve the level of the Company's governance.

Details of Corporate Governance are published under the section headed "Corporate Governance Report" in the 2021 annual report of the Company.



哈尔滨电气股份有限公司

HARBIN ELECTRIC COMPANY LIMITED

