



華電國際電力股份有限公司

HUADIAN POWER INTERNATIONAL CORPORATION LIMITED

Stock code: 600027, HK. 1071

2018

Environmental, Social
and Governance Report



About the Report

This Environmental, Social and Governance Report (hereafter referred to as “**ESG Report**”) is the third annual standalone ESG report published by Huadian Power International Corporation Limited (the “**Company**” or “**Huadian Power International**”) and its subsidiaries (collectively referred to as the “**Group**”), and mainly introduces the annual performance and progress of its sustainable development with regard to economic, environmental and social aspects. The ESG Report is to be read in conjunction with the “Corporate Governance Report” section of *Huadian Power International Corporation Limited 2018 Annual Report* (“**2018 Annual Report**”), to provide a comprehensive overview on the environmental, social and corporate governance performance of the Group.

Scope of the Reporting Content and Period

Unless otherwise stated, the organizational scope of the ESG Report covers the Company and its subsidiaries. The ESG reporting period is consistent with that stated in the 2018 Annual Report of the Group, which is 1 January 2018 to 31 December 2018 (“**reporting period**”). Where necessary, some of the contents go beyond the aforesaid period so as to enhance the comparability of the ESG Report.

Reporting Guideline

The ESG Report was prepared in accordance with the *Environmental, Social and Governance Reporting Guide* under Appendix 27 to the *Rules Governing the Listing of Securities* (“**Listing Rules**”) issued by the Stock Exchange of Hong Kong Limited (“**SEHK**”). It also took reference to the *Sustainability Reporting Guidelines* (G4) by Global Reporting Initiative (“**GRI**”). The ESG Report was prepared based on the principles of “materiality”, “quantitative”, “balance” and “consistency”, and is compliant with the “comply or explain” provision set out in the *Environmental, Social and Governance Reporting Guide* by SEHK.

Document and Data of the Report





The information of the ESG Report content is sourced from the Group’s formal documents and statistical reports. Unless otherwise specified, the currency mentioned is accounted by RMB. The Group certifies the truthfulness, accuracy and completeness of the ESG Report.

Form of Publication

The ESG Report is published in two languages, Chinese and English. If there is any inconsistency between the Chinese version and English version, the Chinese version shall prevail. You are welcome to access the Chinese and English version of the ESG Report in a PDF format through the Company’s website, www.hdpi.com.cn, and SEHK’s HKEx news website.

Comment and Feedback

Your feedback is immensely important for the Group to continually enhance its environmental and social performance. If you have any comments or feedback, you are welcome to contact us via the following ways:

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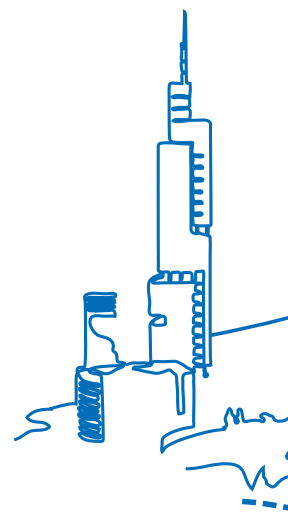
Message from the Management

Although there was a rise in coal price, increasingly fierce market competition, stringent environmental protection requirements and other complicated situations, all members of Huadian Power International thoroughly implemented various decisions and arrangements made by the Board of Directors of the Company (the “**Board**”). The Company took active actions to tackle difficulties, made unwavering efforts to become stronger and better, promoted the Group’s sustainable development by implementing economic, environmental, social and other corporate responsibility works, and achieved favorable results in all kinds of tasks.

Improving quality and efficiency, and riding on the wave of development. The Group has a full grasp of policies of reforms of electricity system and continuously strengthens its operations. The Group persists in developing with stability and making adjustments during its development. With scientific innovation as its accelerator, the Group continually optimizes its operational management methods and conducts technological transformation, and at the same time, cooperates with the energy industry for mutual development. In 2018, the Group achieved an electricity generation of 209.85 million megawatt hours (“**MWh**”), a year-on-year increase of 9.46%, and generated 104.05 million gigajoules (“**GJ**”) of heat, a year-on-year increase of 27.16%, which enabled sufficient power supply to the society.

Safety first and strengthening works. The Group continues to strengthen the building of an enterprise that is safe in nature and carries out an all-rounded safety production responsibility system. The Group ensures its safe and stable operation through consolidating the foundation of safety and environmental protection works by making use of informational, intelligent and other technological ways. In 2018, 35 power plants of the Group in total were awarded the honorable title of “Intrinsically Safe Five-Star Power Generation Enterprise”; “the hydropower sector achieved “zero unscheduled downtime”; the “unscheduled downtime” of thermal power generating units was increased by 6 times on a year-on-year basis and 17 units achieved “zero unscheduled downtime”.

Green sharing, energy saving and eco-friendliness. The Group always takes “providing reliable, clean and economical energy” as its corporate mission and spare no efforts to reduce pollutants emissions by continuously improving its environmental monitoring system and conducting further energy saving evaluation. Moreover, the Group proactively responds to the green and low-carbon development and increases the efficiency of energy saving and emission reduction; takes the new development concept as its guidance and contributes to the establishment of the beautiful country by promoting the high-quality development of clean energy projects. In 2018, the installed capacity attributable to renewable energy was 10,727.4 megawatts (“**MW**”), accounting for a record high of 21.48%. All thermal power plants of the Group have obtained emission permits and the average emissions of sulfur dioxide, nitrogen oxides and soot remained the same or declined on a year-on-year basis, making the best record.

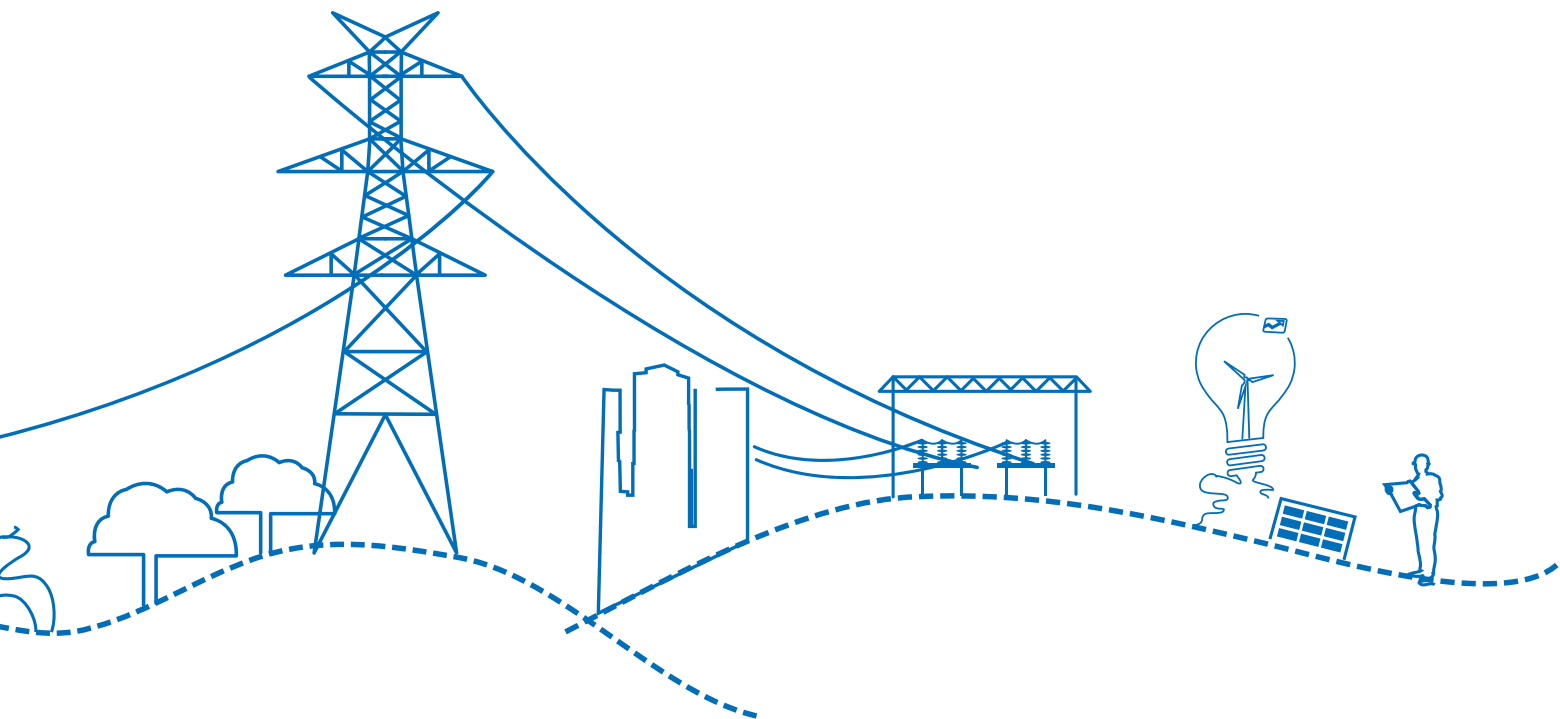




Cherishing talents and uniting together for mutual development. The Group persists in the employment concept of “evaluating talents by performance, choosing the best through competition and paying remuneration based on performance”, and protects employee rights and benefits through improving human resource management and promoting talent development mechanism. Meanwhile, the Group strives to build an energetic team with a sense of belonging and grows with employees together, so as to build a world-class enterprise.

Sincere concern and social contributions. The Group follows the concept of “China Huadian, care everywhere” and proactively builds a harmonious relationship between corporations and communities and cares about the communities in a considerate manner. The Group proactively fulfilled its corporate responsibility and carried forward its social responsibility concept in 2018 in 3 aspects, “contributing to the society by public welfare activities”, “poverty relief and providing assistance to disaster relief” and “caring about education and helping students in need”.

Let us set sail now that the wind is strong. More work needs to be done since there lie arduous and long-term tasks ahead. Looking into the future, Huadian Power International will keep its original aspiration and missions in mind, works together to tackle difficulties, and pursues high efficiency and quality under the leadership of the shareholders and the Board, so as to establish a world-class modern enterprise that is competitive and sustainable!



About Huadian Power International

Company Profile

The Company is a company specializing in power generation, which was registered in Jinan City, Shandong Province and founded on June 28, 1994, jointly by the State Grid Shandong Electric Power Company, Shandong International Trust Co., Ltd., China Power Trust and Investment Co., Ltd., Shandong Luneng Development Corporation, and Zaozhuang Infrastructure Investment Co., Ltd. On June 30, 1999, the Company launched an initial public offering about 1.43 billion H-shares and was listed on SEHK. The Company issued 765 million A-shares within the territory of China on February 3, 2005, and was listed on the Shanghai Stock Exchange. After years of development, the Company has become one of the largest integrated energy providers in China.

Huadian Power International mainly engages in constructing, operating and managing power generation plants, including large-scale efficient coal- or gas-fired generating units and various renewable energy projects. Over the years, the Group has always adhered to the scientific outlook on development, highlighted value-based thinking idea, upheld the operation philosophy of “pursuit of the coordination of shareholder value, social responsibility and employee interests to provide the public with safe, clean, reliable and low-cost electricity”, taken “energy giant, industry vanguard and international first class” as the vision and company strategies as the guide to speed up structural adjustment, make persistent efforts in seizing development opportunities, improving efficiency, reinforcing management and leading working teams. With the building up of its overall strength, the Company has expanded its business locations from Shandong Province to another 14 provinces (municipals) such as Sichuan, Ningxia, Anhui, Henan, Hebei, Zhejiang, Tianjin, Inner Mongolia, Shanxi, Guangdong, Chongqing, Hubei and Shaanxi; and has enlarged its business scope from thermal power generation to hydropower generation, wind power generation, solar power generation, gas turbine power generation, nuclear power generation and coal industry. As of the end of 2018, the installed capacity of the Group reached 49,952.4 MW, of which 10,727.4 MW was generated by clean energy, accounting for a record high of 21.48%.

Business Distribution

As at the end of 2018, the Group had 39,225 MW controlled coal-fired generating units, 4,664.5 MW gas-fired generating units, 3,428.9 MW wind power generating units, 2,103.4 MW hydropower generating units, and 530.6 MW solar power generating units. For further information on power generating units, please refer to the information disclosed in the 2018 Annual Report.

Inner Mongolia

2 power generation enterprises are under operation and 3 coal mining enterprises are under control. The controlled installed capacity is 448.5 megawatts (“MW”), accounting for 0.9% of that of the Group. The controlled coal reserve is 220 million tons, and the expected production capacity is 4.65 million tons/year.

Ningxia

3 power generation enterprises operated are under control. The controlled installed capacity is 4,641.5 MW, accounting for 9.29% of that of the Group.

Shaanxi

(Wind power generation of 50 MW is under construction) .

Henan

3 power generation enterprises operated are under control. The controlled installed capacity is 2,640 MW, accounting for 5.29% of that of the Group.

Sichuan

6 power generation enterprises operated are under control. The controlled installed capacity is 4,440 MW, accounting for 8.89% of that of the Group.

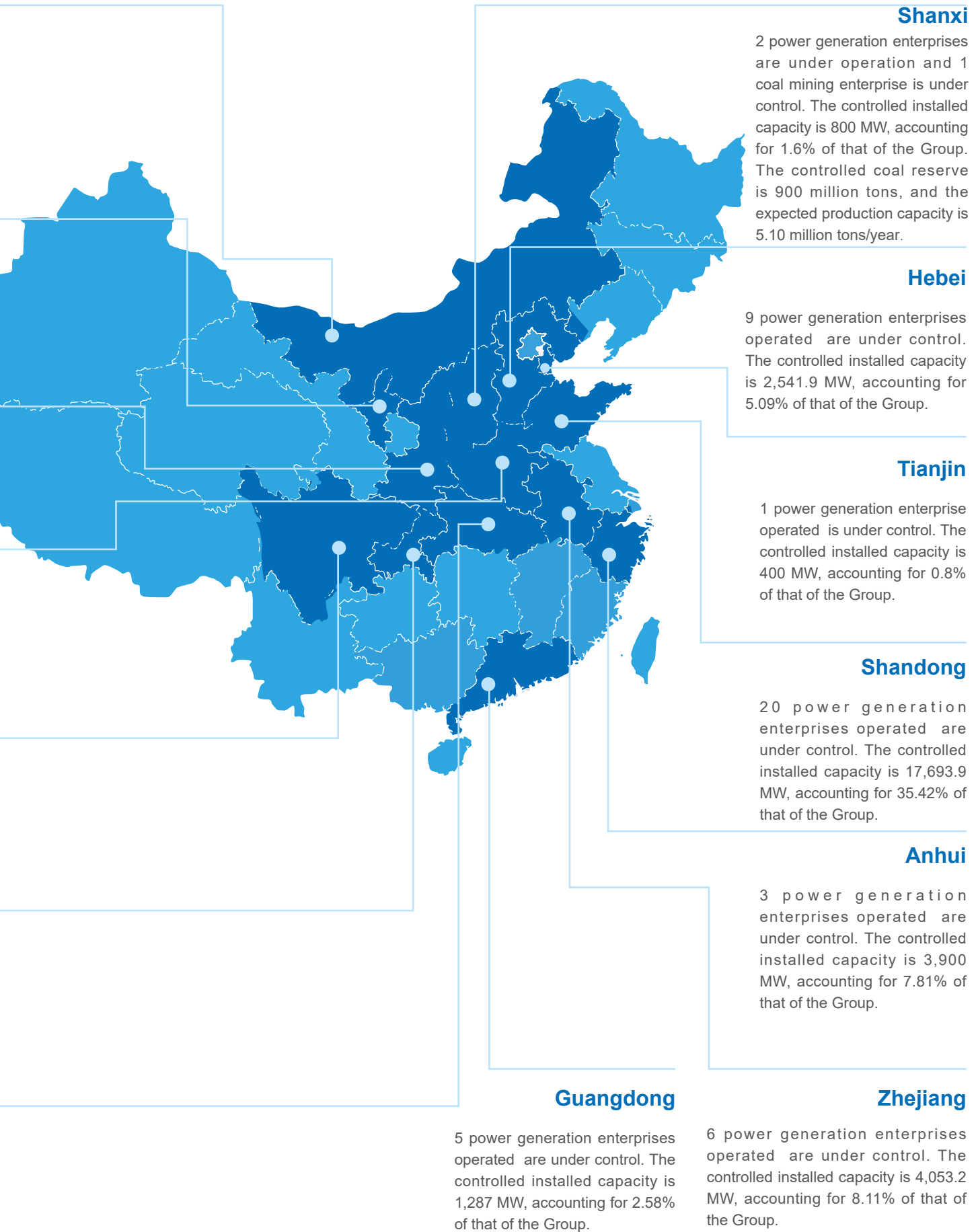
Chongqing

1 power generation enterprise operated is under control. The controlled installed capacity is 1,200 MW, accounting for 2.4% of that of the Group.

Hubei

1 power generation enterprise operated is under control. The controlled installed capacity is 5,906.4 MW, accounting for 11.82% of that of the Group.





Development History

2014

In September and November

two gas-steam combined cycle power generator units of Tianjin Huadian Fuyuan Thermal Power Company Limited ("**Fuyuan Thermal Power Company**") , each with a capacity of 200 MW, were officially put into commercial operation, the Group's first power project operated in Tianjin.

2015

In July

the Company successfully acquired 82.56% of the stock rights of Huadian Hubei Power Limited Company formerly possessed by China Huadian, leading the Company's installed capacity to increase by 5,120 MW to 400,000 MW and marking the Company's expansion to Hubei.

2013

On April 16

the Group held the opening ceremony of the technical service center, marking its expansion into the field of power technical service and consulting.

On September 10

the distributed energy sources project of Shenzhen Huadian Pingshan was approved, the first distributed energy sources project to be approved in Shenzhen, marking the Company's new breakthrough from the "zero" in Shenzhen's energy market.

2012

In September

the first generating unit with the capacity of 415 MW for Phase 2 of the gas turbine generation project in Hangzhou Huadian Banshan Power Company was handed over for production, it was the Group's first independently-constructed gas turbine project.

2011

Units 3 and 4 of Sichuan Huadian Luding Hydropower Limited Company ("**Luding Hydropower Company**"), the Group's first independently-constructed hydropower project, smoothly went through its first 72-hour operation.

The installed capacity of 1,949.5 MW was put into production, indicating that the Company's installed capacity amounted to 30,000 MW.

1994

On June 30

Shandong International Power Development Co., Ltd., the precursor of the Group, was registered and officially founded.

1999

On June 30

the Group issued its H-stock and got listed on the SEHK.

2002

On November 21

the Company bought 20% of the shares of Ningxia Zhongning Power Generation Company, which marked its official entry into the market of the Ningxia Hui Autonomous Region and its first step to develop into a nationwide power generation company from a regional one.

2003

On April 1

China Huadian Corporation Ltd. ("**China Huadian**") became the Company's controlling shareholder.

On May 9

the Company acquired 80% of the stock rights of Sichuan Guang'an Power Limited Liability Company, officially entering into Sichuan market.

On August 28

Huadian Xinxiang Power Limited Company was registered and founded, marking the Company's entry into Henan's market. During Phase 1, two supercritical coal-fired generating units with each capacity of 660 MW were constructed.

2016

On November 24

Huadian Guangdong Energy Marketing Limited Company, the first power marketing company solely invested by the Group, was officially registered and founded, marking the Group's business expansion to the power marketing side.

The Group's Chongqing Fengjie Power Plant put two supercritical condensing coal-fired generating units with a capacity of 600 MW into production for Phase 1, the Group's first supercritical "W-type" flame furnace project in progress that can meet the ultralow emission standard, marking the Group's breakthrough from the "zero" in Chongqing.

2017

the installed capacity of the Group generated by clean energy exceeded 10,000 MW, reaching 10,130.1 MW, accounting for a record high of 20.54%.

2018

On May 31

the grid-connected solar power generation project, "pioneer", of 100 MW of Huadian Wenshang was conducted and put into production. It applies a novel development model that integrates agriculture and solar power generation by effectively making use of the land in the coal mining subsidence area and solar energy. It is of great political, financial and social significance.

On December

the #3 power generating units of Shenzhen Company and the #1 and #2 power generating units in Guangdong Province that the Group invested was put into commercial operation in succession, making the Group's breakthrough of gas-fired power generation projects in Guangdong Province.

2010

On April 20

the grid-connected solar power generation of 10 MW was conducted in Ningxia Ningdong Shangde Solar Energy Company for Phase 1, marking the Company as the first t amongst the five top power groups to put solar power generation into business.

On May 21

the Company acquired the stock rights of Guangdong Shaoguan Pingshi Power Limited Company (Factory B), marking its expansion to Guangdong.

2009

On April 14

the Company acquired Shanxi Dongyi coal mine and Wangtongyuan Erpu coal mine, marking the Group's expansion to Shanxi and initial entry to the coal industry.

On August 1 and December 7

two biomass power generation units, each with a capacity of 12.5 MW were officially put into production in Anhui Huadian Suzhou Biomass Energy Limited Company for Phase 1, the Group's first comprehensive resources utilization project that entirely based on agricultural straw.

2008

the Company acquired 82% of the stock rights of Hebei Shijiazhuang Thermal Power Limited Company formerly possessed by China Huadian, 100% of the stock rights of Hebei Huadian Hybrid Storage Hydropower Limited Company, 64% of the stock rights of Hangzhou Huadian Banshan Power Limited Company, and 49% of the stock rights of Sichuan Huadian Zagunao Hydropower Development Limited Company, marking the Company's expansion to Hebei and Zhejiang and new breakthroughs in hydropower project and gas turbine project.

2007

the "Tens of Millions of kW" project was carried out. The installed capacity of 6,095 MW this year was realized and the Group's total installed capacity amounted to 20,000 MW.

In December, the wind power project of 45 MW for Phase 1 was put into production in Ningxia Ningdong, the first wind power project of the Group, which marked the rapid development of the Group's wind power business.

2004

On December 28

Huadian Qingdao Heat Corporation Limited, the first heating power unit in the Group, was officially registered and founded.

2005

On February 3

the Group's A share, the first stock issued to the public for price inquiry in China, was officially listed on the Shanghai Stock Exchange.

2006

On December 4

the first batch of domestic ultra-supercritical units, each with a capacity of 1,000 MW was put into production in Huadian Zouxian Power Limited Company, and became the national "863" science and technology key project, the imported and domesticated support construction project, and the 2005 national annual key construction project. These units set a new record among the national same-type units with regards to the security status, construction speed, engineering quality, debug time, commissioning index, and energy conservation and environmental protection. The total installed capacity of the Group amounted to 10,000 MW.

On November 1

Shandong International Power Development Co., Ltd. was renamed as Huadian International Power Co., Ltd.

On November 18

two generating units with each capacity of 300 MW in Chizhou, Anhui, with the relative controlling shares officially began to be constructed, marking the Company's entry into Anhui's market.



Responsible Governance



Corporate
Governance



Social Responsibility
Management



Stakeholder
Communication



Materiality
Assessment

Fulfilling corporate social responsibility is not only a practical action for state-owned enterprises directly under the central government (“CSOEs”) to fully implement the Scientific Outlook on Development, but also a necessary way for them to realize sustainable development. Huadian Power International persists in the corporate value of “fulfill responsibility, have integrity, innovative and harmonious”, establishes and improves the risk management and internal control system of the Group. In addition, the Group has established and improved the social responsibility management promotion mechanism and environmental, social and governance (“ESG”) indicator system. The Group communicates and cooperates with stakeholders efficiently and strives to fulfill social responsibility to realize the all-rounded and harmonious sustainable development with the society and environment.



Corporate Governance

Good corporate governance is of paramount significance to the Group to increase corporate value, formulate development strategy and improve management system. The Group strives to maintain corporate governance of high standard in strict compliance with the *Company Law of the People's Republic of China ("PRC")*, the *Securities Law of the PRC*, the *Rules Governing the Listing of Stocks on Shanghai Stock Exchange*, the Listing Rules and relevant provisions promulgated by domestic and overseas securities regulatory institutions. The Group also keeps improving its corporate governance structure. The Group has established a relatively mature business entity management structure and corresponding organizational regulations, which specify the responsibility and rights of the general meeting, the Board and the board of supervisors.

The Company attaches great importance to the establishment of an internal control system and has formulated a relatively mature internal control system according to the Group's business scope and status. The Board is responsible for the ongoing supervision over the Company's risk management and internal control systems, and also oversees and reviews their effectiveness.

Social Responsibility Management







In order to implement social responsibility work, the Group has established a social responsibility management promotion mechanism involving all levels of participation with a clear division of responsibilities and built a management system formed by the Company's senior management, leading department, each department and subsidiary. By doing so, it is able to fully bring the management function to the social responsibility of company staffs at all levels into play. Also, it promotes the integration of the social responsibility idea in the Group's operation and keeps improving its professional social responsibility management. The senior management of the Company takes responsibility for the deliberation and decision making on material topics, promoting the integration of social responsibilities concepts with the Company's development strategies and business management. The Department of Securities Management takes the lead in organizing and coordinating relevant departments to carry out social responsibility work, which is implemented and accomplished by each department and subsidiary.

The Board is responsible for the Group's ESG strategy and reporting, and evaluating and determining ESG-related risks and ensuring that appropriate and effective ESG risk management and internal control systems are in place. ESG risk management is an essential role in the social responsibility management system. The Group has taken a proactive approach to managing the ESG risk it faces by conducting identification and assessment, gradually integrating its management into the Group's risk management system.



Stakeholder Communication

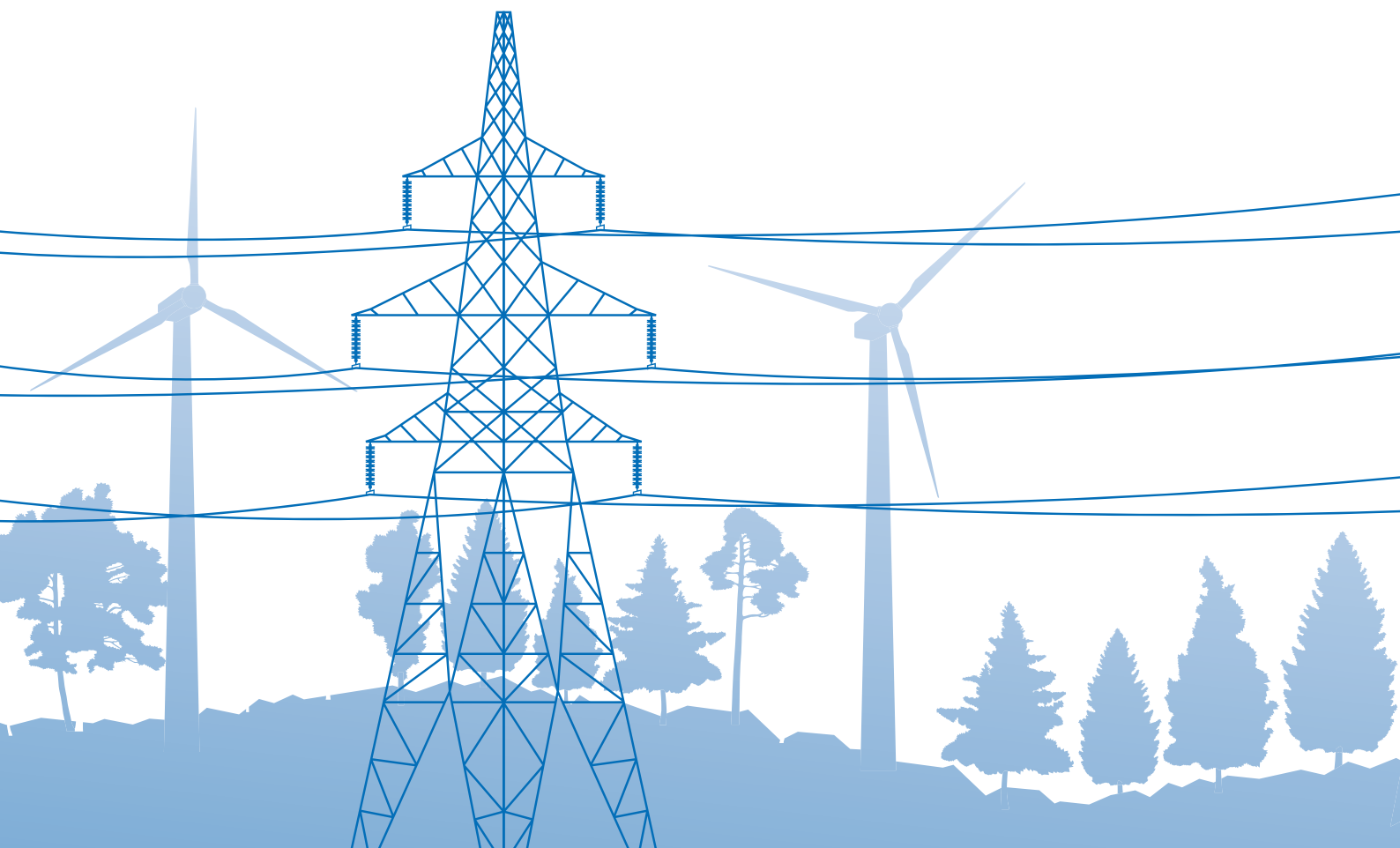
It is an essential part of the Group's sustainable development strategy to maintain communication with stakeholders through multiple ways on a regular basis and to listen to what they think. Huadian Power International attaches great importance to stakeholder communication. Through gathering stakeholders' expectation and demand to the Group's sustainable development in various ways, the Group makes specific plans and responds to them by taking actions. In addition, the concept of corporate responsibility, actions and their achievements are reported in the Group's annual reports, which forms a favorable mechanism of "identify-communicate-evaluate-respond-report".

Stakeholder	Expectation and Demand	Communication Methods	Frequency	Actions of the Group
 Government and regulatory department	<ul style="list-style-type: none"> Complying with laws and regulations Compliant operation Safe power supply Optimizing structure Energy saving and emission reduction 	<ul style="list-style-type: none"> Stipulating policies Work reporting Information reports High-level meetings 	<ul style="list-style-type: none"> Regular Irregular 	<ul style="list-style-type: none"> Strict compliance with national laws and regulations; Proactively cooperating with the regulatory department; Healthy operation and guaranteeing electricity and heat supply; Proactively responding to national strategy and vigorously advocating technological renovation for energy saving
 Shareholders	<ul style="list-style-type: none"> Sales income Company profit Corporate governance Regular communication 	<ul style="list-style-type: none"> Shareholders' meetings Company announcements Regular reports Roadshows 	<ul style="list-style-type: none"> Annual Seasonal Irregular 	<ul style="list-style-type: none"> Improving economic performance; Continuously improving risk management and internal control systems; Strengthening information disclosure and regular communication
 Employees	<ul style="list-style-type: none"> Employee rights and benefits Occupational health Educational trainings Fruitful life 	<ul style="list-style-type: none"> Working Meetings Communication with employees Labor contracts Employee activities 	<ul style="list-style-type: none"> Regular Irregular 	<ul style="list-style-type: none"> Improving human resource management system and protecting employee rights and benefits Being people-oriented and implementing employee occupational health and safety work; Scientifically developing training plans and leveraging employee's knowledge and technique
 Customers	<ul style="list-style-type: none"> Stable supply Customer service Quality management 	<ul style="list-style-type: none"> Contracts and agreements Customer services Company website 	<ul style="list-style-type: none"> Annual Seasonal Irregular 	<ul style="list-style-type: none"> Improving quality and efficiency and ensuring the stable and safe supply of electricity and heat; Improving operation management system; Promoting scientific and research innovation to increase production efficiency
 Suppliers and other partners	<ul style="list-style-type: none"> Fair and just Win-win cooperation 	<ul style="list-style-type: none"> Contracts and agreements Product services 	<ul style="list-style-type: none"> Annual Irregular 	<ul style="list-style-type: none"> Ensuring fair and transparent bidding and procurement processes Adhering to the fulfillment of contracts and agreements
 Community	<ul style="list-style-type: none"> Community development Targeted poverty alleviation Environmental protection 	<ul style="list-style-type: none"> Visiting communities Charitable donations Environmental protection events 	<ul style="list-style-type: none"> Regular Irregular 	<ul style="list-style-type: none"> Engaging in the harmonious community development together; Proactively organizing volunteer activities; Implementing environmental protection measures

Materiality Assessment

In accordance with stakeholders' increasing attention toward the Group's sustainability topics and their varying focus points, the Group conducted a materiality assessment according to the "materiality" principle so as to specifically report the major actions the Group took to respond to stakeholders' expectations.

First of all, based on the Group's 2016 list of material topics, and with reference to SEHK guidelines and other sustainability reporting guidelines and peer benchmarking results, the Group reviewed and identified relevant sustainability topics and updated its topic pool. Following this, the Group evaluated and selected its material sustainability topics applicable to the reporting period. The leading department for social responsibility work took full consideration of the Group's business nature and development strategy. It also collected, consolidated and evaluated stakeholders' expectation and industrial development trends, and from this, the materiality assessment result was obtained. During the evaluation, the Group not only took the impacts of the topics to the Group and stakeholders into account, but also considered the impacts on the economy, environment and society. After this, the senior managers of the Group verified and reviewed the assessment result and decided the disclosed themes and contents of the ESG Report.



The selected material sustainable development topics are listed as follows. The ESG Report shows the sustainable development performance of the Group during the reporting period according to the topics and relevant reporting guidelines.

Economic

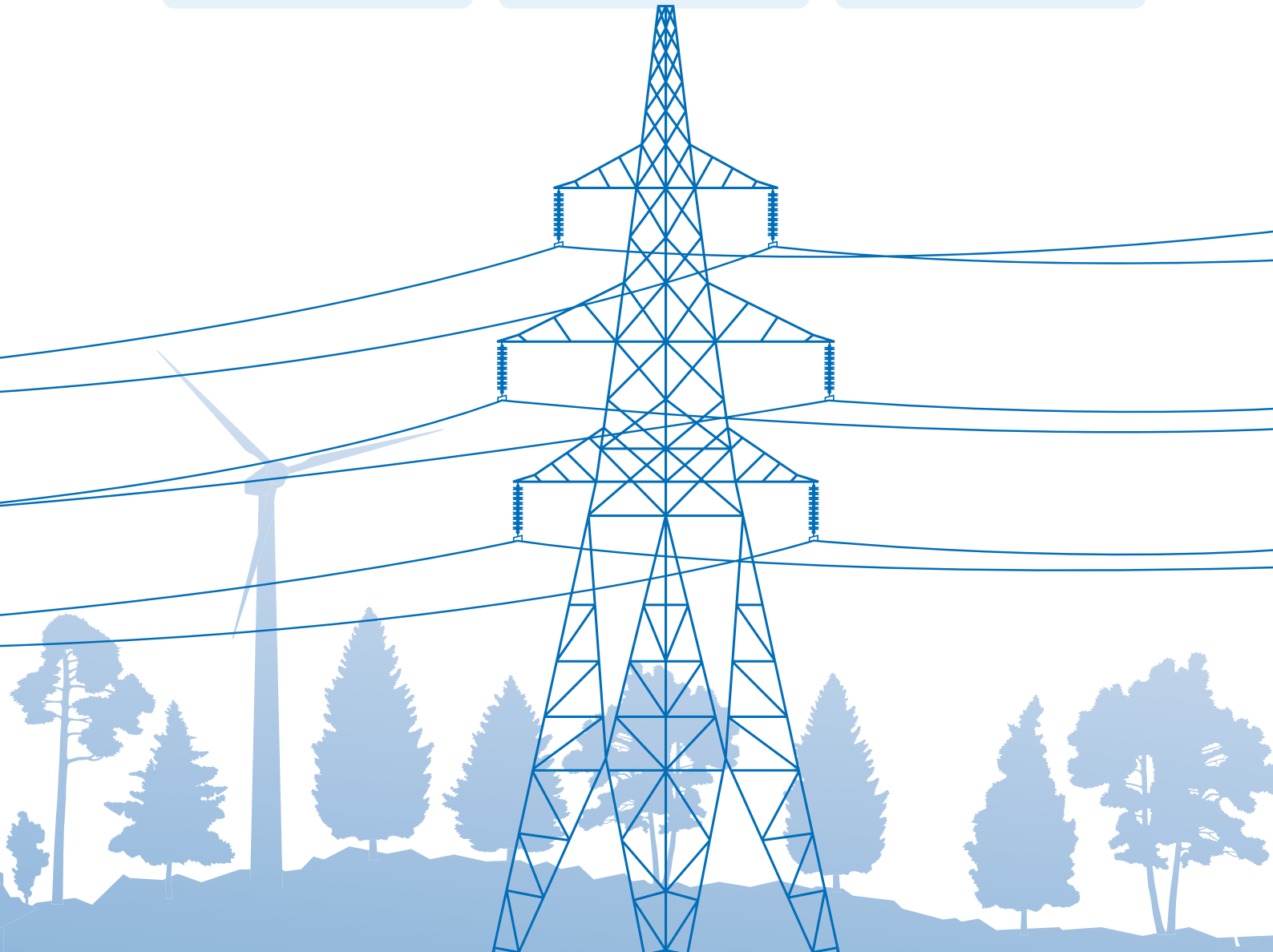
Business Performance
Development Strategy
Compliant Management
Technology Innovation

Environmental

Emissions Management
Emission Reduction Measures
Use of Resource
Clean Energy Development
Ecological Protection

Social

Employee Rights and Benefits
Labor Standards
Occupational Health and Safety
Employee Development and Training
Operation Safety
Supplier Management
Energy Supply Responsibility
Anti-corruption
Community Investment





Compliant Operation, Improving Quality and Efficiency



**Governing
Enterprise
by Law**



Continuous Supply



**Technology
and Scientific
Innovation**



**Supplier
Management**

The Group keeps its mission of providing stable energy supply to the society in mind, thoroughly implements the national energy strategy and the “13th Five-Year Plan” by optimizing its company structure, promoting innovation, and seizing every opportunity. With the main target of improving quality and increasing efficiency, the Group focuses on standardized management and cooperation, and strives to become a comprehensive energy company with strong competitiveness.

Topic—Based on the “13th Five-Year Plan” and Having A Full Grasp of Policies of Electricity System Reform

The Group focuses on the national strategy, carrying out the national energy strategy and “13th Five-Year Plan”, and promotes its development. In accordance with the theoretical guidance of “adhere to develop main business in becoming stronger and better, adhere to differentiated development and adhere to improve competitiveness”, the Group formulated the “13th Five-Year Plan” of Huadian Power International Corporation Limited to determine company development and fully promote company competitiveness by improving capital operation, efficiently promoting structural adjustment, proactively developing clean energy, strengthening energy saving and environmental protection, and deepening reform and innovation.

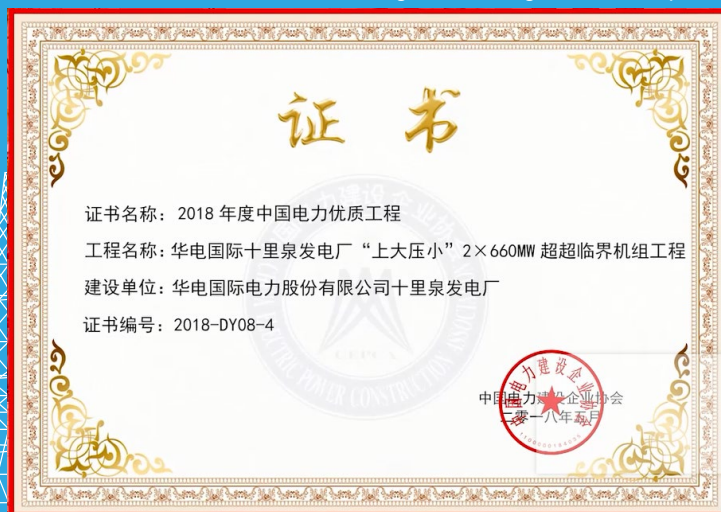
As the electric system reform continued to be promoted across the country, the proportion of market power gradually increased in 2018. Encountering various risks in the power market, Huadian Power International had a full grasp of various policies of the electric system reform and market development and strengthened the development of marketing system and management of key regions, striving to take the leading position by taking full advantages of the Group.



【Highlight】 The “Life Project” and “Hope Project” of Huadian Power International Shiliquan Plant (“Shiliquan Plant”)

As an essential element in the sustainable development strategy, the process of promoting power structure adjustment and industrial technology upgrades, and developing a resource saving and environmentally-friendly enterprise of Huadian Power International, the expansion project of “replacing small units by large units” of the Group’s Shiliquan Plant is regarded as the “Life Project” and “Hope Project” of Shiliquan Plant.

This project takes “becoming a model, ensuring high-quality operation and achieving the Luban Prize” as its overall target of project construction and fully enhances safety and quality management. The project persists in proactively tackling every difficulty and challenge encountered and committed to fulfilling its overall targets and adopts scientific management and meticulous construction. Therefore, the project has been found as qualified upon acceptance for putting into production and was awarded the “Superior Project in High-Quality Level”, “Green Construction Demonstration Project” and “New Technology Application Demonstration Project”. In addition, it was awarded the 2018 China Electric Power Quality Engineering Award and 2018 Luban Prize for China Construction Project. At present, the generating units of the project are in safe, stable and continuous operation, and major economic and technological indicators for the national standard have been attained with excellence and the units are at a leading level among its domestic peers.



Governing Enterprise by Law

The Group has continuously enhanced its management system regarding governing enterprise by law and laid a solid foundation for it by formulating the *Implementation Plan of the Duties and Responsibilities of Top Leaders of Huadian Power International Corporation Limited as the Principle Persons Liable for Implementing the Rule of Law*. Moreover, the Company and owned subsidiaries have integrated the advice of its general counsel and implementation of the rule of law into the *Articles of Association* to promote the Company's legal and compliant operations as well as to enhance legal reviews of economic contracts to minimize contract risks. Meanwhile, the Group has continued to advocate governing enterprise by the rule of law. All company employees have continually strengthened their awareness of the rule of law and an atmosphere of learning about these laws has been fostered.

Furthermore, the Group has continually enhanced the cultivation of an internal culture of integrity, strengthening its understanding of laws as well as firmly implementing the system of improving the conduct of the Communist Party of China ("CPC") and upholding integrity. The Group strictly abides by the relevant laws and regulations relating to bribery, extortion, fraud and money laundering, including but not limited to the *Criminal Law of the PRC*, the *Regulations of the PRC for Suppression of Corruption*, relevant regulations of the State-owned Assets Supervision and Administration Commission of the State Council, Listing Rules, etc. The Group also implements and continuously improves the *Evaluation Standards on the System of Accountability for Improving the Conduct of the CPC and Upholding Integrity* and other internal policies. Supervision channels have been built to facilitate the Group's continuous enhancement of the investigation, handling and reporting of the reported cases and for further handling of violations in time. During the reporting period, the Group did not have any legal cases of corruption.

As a CSOE, Huadian Power International attaches great importance to the system of improving the conduct of the CPC and upholding integrity and anti-corruption. Through entering into the agreement of the system of accountability for improving the conduct of the CPC and upholding integrity, the Group organized a "year of improving disciplines (rules)" event and proactively carried out seminars for case study. By organizing group studies for the Central Group for Discipline Inspection, group discussions of upholding integrity, topics sharing via video and other events, it is able to raise the awareness to discipline and rules of the CPC members and officials and encourage them to be self-disciplined and compliant with rules. Moreover, the Group has revised and enhanced the *Evaluation Standards on the System of Accountability for Improving the Conduct of the CPC and Upholding Integrity*, the *Implementation Measures of the "Decision-making System for the Major Issues, Major Personnel Appointments and Dismissals, Investments in Major Projects and Use of Large Sums of Money"*, the *Implementation Measures of the Management of the Remuneration and Business Expense of Employees in the Company Headquarter* and other 15 measures, which integrate requirements of upholding integrity, rules of inspection and punishment into the comprehensive management system, so as to firmly prevent corruption. Specific inspections and controls have been implemented in businesses that may have corruption risks, including inspection of the violation of the "Eight-point Regulation" of the CPC Central Committee and the requirements for correcting "formalism, bureaucratism, hedonism and extravagance", and 4 specific campaigns of project construction management, asset disposal, financial management and hybrid ownership companies. Moreover, the Group formulated the *Corruption Risk List for Different Positions of Huadian Power International Corporation Limited*, and drafted and circulated the *Anti-Corruption Guideline of "Raise Awareness, Comply with the Law and Be Self-disciplined"*. The Group has continuously enhanced corruption risk controls in key areas and promoted the Company's high-quality development.



>>> The CPC Secretary of the Company entered into the 2018 agreement of the system of accountability for improving the conduct of the CPC and upholding integrity with the Company's leaders and CPC branches



>>> The CPC Secretary of the Company entered into the 2018 agreement of the system of accountability for improving the conduct of the CPC and upholding integrity with the Company's leaders and CPC branches

As a power supply enterprise, the major clients of the Group are grid companies, electricity and heat consumers. Information security is more and more important as the information age is developing. The Group attaches importance to information security and keeps the information safe by proper measures in accordance with applicable laws and regulations, non-disclosure agreement and privacy protection, including but not limited to the *Law of the PRC on the Protection of Consumer Rights and Interests*. The disclosure of the information relating to health, advertising and labeling of the power supplied by the Group is not applicable due to its business nature.

Continuous Supply

It is of importance to satisfy customers by considerate services. Electricity and heat supply are not only a part of the daily operation of Huadian Power International, but also are great responsibilities of providing light and warmth to hundreds and thousands of families. The Group adheres to provide continuous and efficient power to the society and fulfill the responsibility of CSOs of providing electricity and heat to the society. Upholding the development concept of "innovation, cooperation, green, open and sharing", the Group implements measures of improving quality and efficiency to increase economic performance by improving its operation management system and technological renovation. During the reporting period, the electricity generation of the Group amounted to 209.85 million MWh with a year-on-year increase of 9.46%; heat supply was 104.05 million GJ with a year-on-year increase of 27.16%.

The Group commits to continuously improving its service and customers' valuable comments could help. The Group aims to elevate customers' satisfaction through its considerate service by continuously enhancing customer service management and ensuring smooth communication with customers. Shijiazhuang Huadian Heat Corporation Limited ensures smooth communication with customers by formulating the *After-sales Service Management Measures*, the *Management Measures of Customer Service Line* and other measures. In addition, the company opened a customer service hotline and WeChat service platform to communicate with customers smoothly and respond to what they think and need by handling their requests.



【Highlight】 Shandong Branch of Huadian Power International accomplished its production mission at the peak of Summer

17 cities in Shandong Province suffered from continuous hot weather in July 2018. The grid load reached various records high, which required Shandong Branch of the Group to embrace this challenge. In order to guarantee the stable operation of generating units, Shandong Branch paid close attention to equipment management, coal supply and other core elements. Regarding equipment management, Shandong Branch gave close attention to the weather, enhanced equipment inspection and elevated frequency of power generating and important fire protection area inspection. It also continuously optimized equipment operation and ensure its consecutive high daily average power generation to ensure a sufficient and stable supply of power and to accomplish its production mission successfully.



【Highlight】 Fuyuan Thermal Power Company heat supply turbines renovation

As one of the major heat suppliers in Wuqing District, Tianjiang, Fuyuan Thermal Power Company takes the responsibility of centralized steam and heat supply to Wuqing Development Zone. In order to satisfy the increasing needs of heat supply in the fast urban development, Fuyuan Thermal Power Company has implemented renovation and applied heat supply turbines with double-rotor exchanging circulating water, which increased the heat supply efficiency and further improved its heat supply capacity, accounting for an increase in heat supply capacity by approximately 30 MW and a decrease in its coal consumption rate for power supply by approximately 30 g/kilowatt hours (“kWh”) during heating periods.



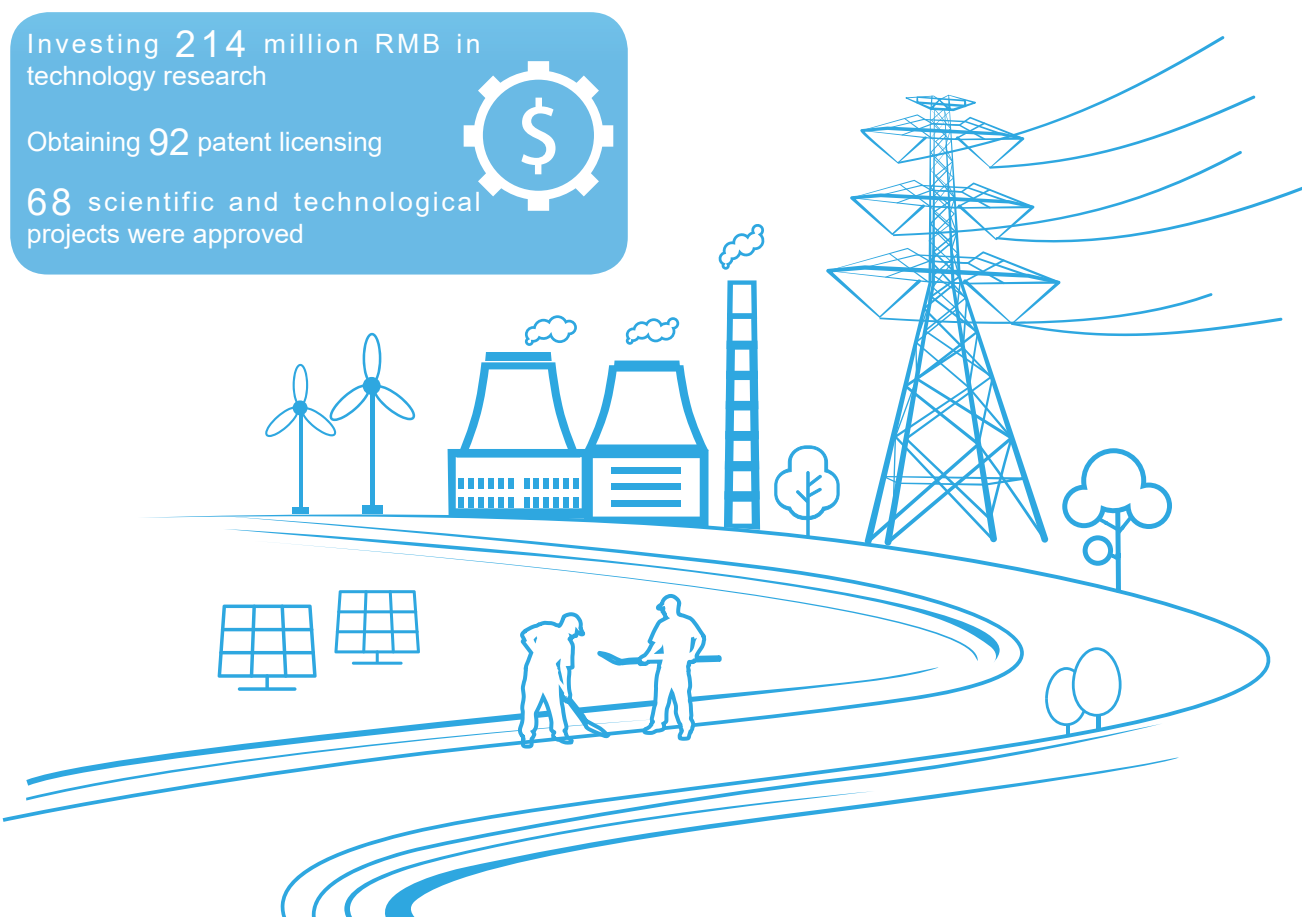
Technology and Scientific Innovation

Innovation is not only an active motivation to keep a country prosperous, but also an essential element to promote a company's fast and healthy development. Upholding the enterprise spirit of "meticulousness, efficiency and excellence", Huadian Power International constantly seeks ways to enhance and develop its core competitiveness, maintain creativity, and promotes innovation. In addition, the Group creates a creative environment to inspire employees' work-related innovation by establishing a fundamental innovation system consisting of three elements, creativity of employees, innovation capability of teams and company innovation mechanisms. Hence, the Group allocates an abundance of resources in technology and scientific innovation. By organizing various kinds of technology and scientific innovation events, the Group strives to make new breakthroughs in existing technologies and to improve quality and efficiency. During the reporting period, Huadian Power International invested 214 million RMB in technology research, obtained 92 patent licensing (154 patent is accepted), and 68 scientific and technological projects were approved.

Shandong Branch of the Group proactively developed "intelligent power plants" attributable to innovation. For instance, Huadian Laizhou Power Generation Company Limited ("**Laizhou Company**") made full use of "internet+" and big data technology to creatively build a remote monitoring and diagnostic system for thermal power generating units, which collect and analyze real-time and historical data of generating units, improving the maintenance efficiency effectively. Zouxian Plant of Huadian Power International ("**Zouxian Plant**") elevated power generating efficiency by implementing heat supply in a certain period of time and intelligent heat supply nets, which could save energy and supply heat automatically.

Zouxian Plan was awarded three power innovation prizes issued by China Electricity Council, including two first prizes and one second prize, attributing to their practical usage, innovation and relatively high promotion value. The innovations were respectively related to management, operation, CPC building and other areas.

The *Innovative Standardized Management of Discrete Data Based on Big Data Technology* of Huadian Longkou Power Generation Company Limited ("**Longkou Company**") was awarded the 1st China Power intellectual Property Management Innovation Award. It was another innovative achievement obtained after the "big data" platform development aimed to promote "intelligent management" of the company and also a beginning for Longkou Company to implement "intelligent management". The information and works in the factory are consolidated into an overall plan in an information way under integrated management, so as to realize increasing management efficiency via informatization.



Supplier Management

Suppliers are important partners in the operation of the Group. To scientifically and effectively manage suppliers is an important part of the stable and fast development of the Group and for collectively promoting the development and improvement of the power industry. The Group has established and implemented various management measures according to related laws and regulations, such as the *Supplier Management Measures of Huadian Power International Materials Company Limited*, the *Infrastructure Material Procurement Management Measures of Huadian Power International Corporation Limited*, the *Production Materials Procurement Management Measures*, etc., to systematically achieve cost control, improve procurement efficiency and keep environmental and social risks of suppliers under control.

To ensure the openness, fairness, justice and good faith of bidding, the procurement management of the Group acts strictly in compliance with the *Bidding Law of the PRC*, and other laws and regulations. As for supplier management, upholding the principle of “unified management, dynamic assessment, scientific control, and supporting the superior and eliminating the inferior”, the Group has established a unified supplier online platform, which enables timely and effective supplier management through the e-commerce platform. In addition, the Group has established a supplier assessment indicator system to optimize the structure of supplier and control procurement risks. Criteria for supplier assessment mainly include the management of the supplier, performance of quality, safety and service, whether they are certified by ISO 14001 Environmental Management System, have comprehensive policies and objectives regarding quality and environment, or had adverse social impacts on production, operation or construction due to their performance, etc. During the reporting period, the proportion of suppliers where annual procurement assessments were implemented was 51.77%.

As a large-scale power supply enterprise, the main supplier of the Group is coal supply companies. As coal policies and domestic and foreign coal market change, it brings certain pressure to the fuel supply and cost of the Group. On the front of ensuring effective control of coal supply risks, the Group enhances its analysis of changes in the coal market, formulates scientific procurement strategy and optimizes its coal procurement structure to ensure a stable supply of power. Moreover, the Group continues to improve the lean fuel management mechanism focusing on controlling prices, guaranteeing quality, mixing and innovation. In proactive response to the national mission of ecological and environmental protection, the Group implements controls on sources of pollutants and supplier environmental risks by adopting coal with high calorific value, low sulfur and ash content so as to meet air pollutant emission standards for power supply enterprises. In addition, the Group has established a reference-oriented coal sample system, improved acceptance process tracing mechanisms, built process monitor system and developed standardized labs for incoming coal to control coal source and quality. The incoming coal is required to be tested on whether the quality meets the national requirement and the procurement requirement of the Group before acceptance to ensure that coal quality is under control.

Number of suppliers by geographical region

Region	Unit	The amount of suppliers
Mainland China	Suppliers	10,847
Hong Kong, China	Suppliers	1
In total	Suppliers	10,848



Safety First and Strengthening Works



Operational Safety



Occupational Health

Safety has always been the foundation of all works. Huadian Power International persists in putting safety at the first place of work. Upholding the enterprise spirit of meticulousness and efficiency, the Group ensures work safety by continuously improving the safety management system and enhancing process control to increase safe protection. Moreover, the Group adheres to the principles of “safety first, prevention crucial, comprehensive treatment” implementing occupational health management and improving the workplace condition.

Operational Safety

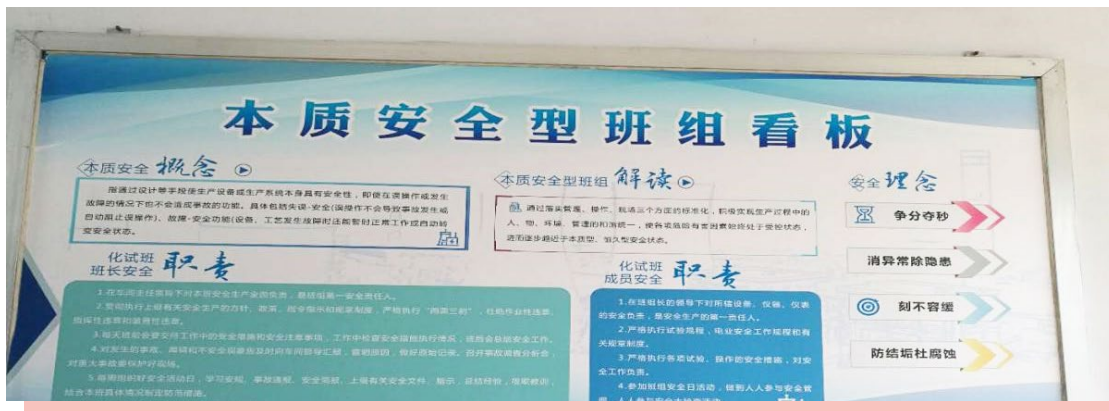
The Group adheres to develop safely and strictly complies with the *Work Safety Law of the PRC* and other national laws and regulations related to workplace safety and provision of a safe workplace. The Group has established and implemented 17 work safety management systems, including the *Work Safety Responsibility System*, the *Regulations on Work Safety*, the *Administrative Regulations on Hazards Investigation and Elimination*, the *Administrative Regulations on Safety of Contracted Projects* and the *Measure for the Management of Traffic Safety*. Additionally, the Group has established and continuously improved the work safety inspection and protection system, and taken the establishment of intrinsically safe enterprise as its main target to implement the work safety responsibility system. The headquarters of the Group, branch companies and subsidiaries have all established work safety committees and three-level (factory-workshop-team) safety supervision networks. The Group had a total of 492 safety specialists. During the reporting period, the overall work safety of the Group remained stable. No serious accidents that caused injury or deaths occurred, however, one ordinary accident led to a death. No ordinary accidents from equipment or fires occurred. The rate of work-related fatalities per 200 thousand working hours was 0.003%. After the accident, the Group immediately organizes a safety investigation group to investigate, according to relevant regulations. The Group has also established more well-rounded safety protection measures by thorough analysis and examination to prevent similar accidents from occurring.

The Group improves the establishment of intrinsically safe enterprise and dual prevention mechanism to further promote work safety management. By enhancing the management of infrastructure and equipment on-site and the workplace condition, the Group ensures the equipment is well-prepared and reliable and strengthens the prevention management of unsafe incidents. For unsafe incidents, the Group investigates and analyzes their reasons in accordance with the requirement of “four not allow” so as to implement specific prevention measures. During the reporting period, 35 power plants of the Group in total were awarded the “Intrinsically Safe Five-Star Power Generation Enterprise”. Moreover, Zouxian Plant was the only company in the Shandong sector of the Group that achieved the honorable title of the 2018 National Culture Development Demonstration Enterprise.

Zouxian Plant thought highly of the leading function of safety culture in work safety management and incidents. It proactively studied and creatively developed a safety management system, and applied the “internet+” safety model to strengthen the contractor qualification and credit management system. Furthermore, Zouxian Plant continuously enhances the “7S” management of on-site workplaces to keep them safe and stable.

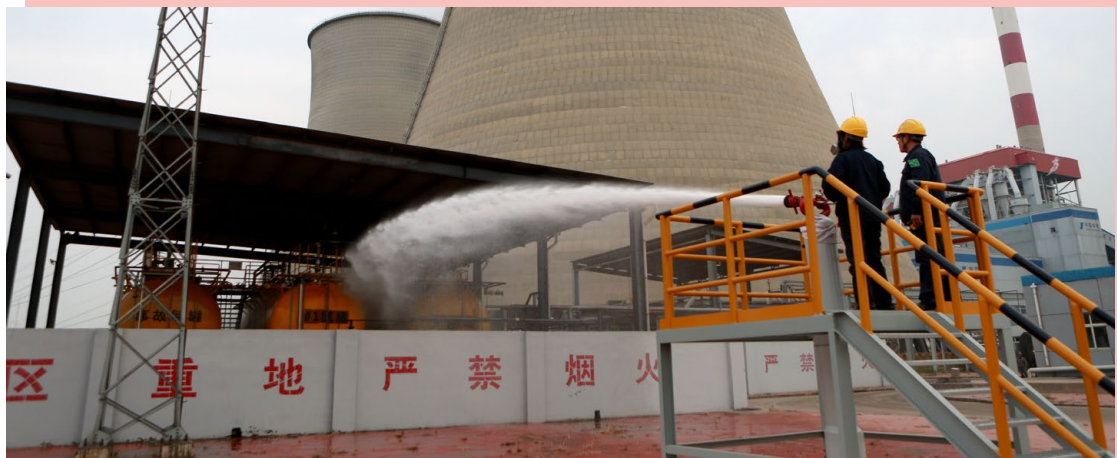


>>> Zouxian Plant hold an acceptance meeting for dual prevention system



>>> Intrinsically Safe Team Board in Shiliquan Plant

Additionally, the Group has established emergency management systems and comprehensive emergency plans, and strengthened its emergency management, constantly increasing the emergency handling capabilities of personnel. During the reporting period, the Group carried out a total of 1,765 times-sessions of various safety emergency drills.



>>> Hebei Huadian Shijiazhuang Yuhua Thermal Power Company Limited ("Yuhua Company") held an emergency drill of liquid ammonia leakage



>>> Huadian Qingdao Power Generation Company Limited ("Qingdao Company") held an emergency drill in the event of flooding

"The heavy duty will be fulfilled together and everyone is responsible for part of it". The Group strives to encourage all personnel to work safely and strengthen the safety skills and awareness of employees. The Group continuously improved safety skills training of employees by upgrading the safety skills training certificating exam system of the Group. The exam database was upgraded according to the relevant work safety requirement and workplace condition so as to ensure the examinees acquire the latest requirement. The Group requires all safety production management personnel and workers to take the exam. Only certified personnel are allowed to work on site. During the reporting period, 71,212 attendees passed the Group's safety certificating exam.



>>> A safety knowledge competition of Laizhou Company



>>> An intrinsically safe and emergency management training of Longkou Company

Occupational Health

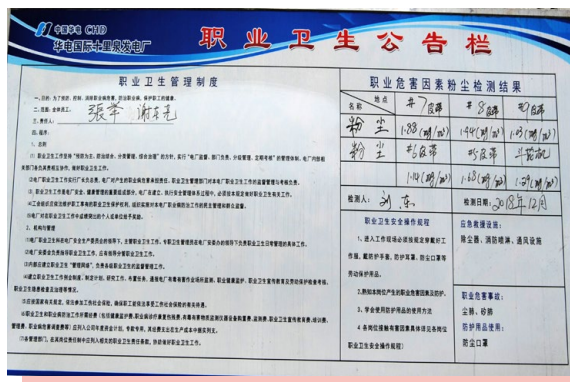
Huadian Power International strictly abides by the national laws and regulations relating to providing a safe working environment and protecting employees from occupational hazards and relevant industrial standards and regulations, including but not limited to the *Law of the PRC on the Prevention and Control of Occupational Diseases* and the *Provision on the Supervision and Administration of Occupational Health at Work Sites*. In addition, the Group has formulated and implemented the company occupational health management standard, supervision management system of occupational health and other measures. Every branch company and subsidiary of the Group has formulated the 2018 occupational disease prevention plan and implementation plan and continuously improved the occupational health management system to thoroughly implement the above laws and regulations, enhance the occupational disease prevention management, firmly guarantee the health and safety of employees at work and reach the target of occupational disease prevention. During the reporting period, the Group did not violate any laws and regulations relating to providing a safe working environment and protecting employees from occupational hazards.

In order to strengthen and implement occupational health management, the Group took the following measures:

- As for newly built generating units, the occupational hygiene facilities were designed, constructed, put into production and operated in accordance with the national “three simultaneously” management requirements for occupational health in construction projects. Furthermore, they were assessed and reviewed by national qualified institutions;
- Emphasizing the safety control of flammable and explosive areas and material hazards; strengthening the concentration monitors of flammable and explosive gas and its alarm system, and ensuring the operation of ventilation facilities; ensuring the flammable and explosive areas and material hazards are controllable and under control;
- Formulating the hazard monitoring and assessment of occupational diseases, occupational health surveillance and archive management; monitoring the potential hazards of occupational disease such as dust, noise, toxic and hazardous substances and electromagnetic radiation, etc., in workplaces on a regular basis and employing a professional third-party inspection organization to identify and inspect hazards for implementing management measures more specifically;
- Setting up announcement boards and offering notice cards at the entrances of workplaces, and setting warning signs of occupational disease hazards at the striking positions in workplaces;
- Strengthening the inspection, management and maintenance of occupational health equipment, and ensuring it is effective;
- Enhancing employee protection measures by providing protective equipment to employees according to their job nature;
- Upholding the principle of “prevention crucial”, organizing occupational health knowledge training and enhancing promulgation of occupational safety and health knowledge;
- Enhancing the diagnosis and treatment of occupational diseases by orderly organizing employees to have health examinations of occupational disease and continuously improving medical and health protection measures.



During the reporting period, Huadian Power International arranged employees to have health examinations of occupational disease on a regular basis and the coverage rate of the examinations was **100%**.



>>> An occupational health board in Shiliquan Plant



>>> A professional seminar on occupational health of Qingdao Company



Green Sharing, Energy Saving and Eco-friendliness



**Emission Reduction
Management**



**Saving Energy
and Increasing
Efficiency**



Green Ecology



**Environmental
Key Performance
Indicators**

Huadian Power International proactively responds to the national call of building a beautiful country and implementing ecological civilization construction and focus on the “13th Five-Year Plan”. Upholding its corporate mission of “providing reliable, clean and economical energy”, the Group efficiently promotes structural adjustments, proactively develops clean energy, strictly controls newly built thermal power plants and strengthens energy saving and environmental protection, so as to contribute to high-quality economic development and ecology and environmental protection together.

Emission Reduction Management

The Group strictly abides by the relevant laws and regulations relating to air and greenhouse gas (“GHG”) emissions, discharges into water and land, and generation and disposal of waste, which include but not limited to the *Environmental Protection Law of the PRC*, the *Water Pollution Prevention and Control Law of the PRC*, the *Water and Soil Conservation Law of the PRC*, the *Law of the PRC on the Prevention and Control of Environmental Pollution by Solid Waste*, the *Environmental Protection Tax Law of the PRC*, the *Environment Compliance Guidance for Coal-fired Thermal Power Enterprise*, the *Emission Standard of Air Pollutants for Thermal Power Plants* and the *Notice of National Development and Reform Commission on Greenhouse Gas Emissions Reporting by the Major Enterprise and Public Institutions*. Moreover, the Group strictly implements and complies with those management measures which have been stipulated according to applicable national laws and regulations relating to environmental protection, such as the *Supervision and Management Measures on Environmental Protection of China Huadian Corporation*, the *Administrative Measures of “Three Simultaneities” for Environmental Protection and Water and Soil Conservation at Construction Projects of China Huadian Corporation*, the *Measures for Managing Emission Permits of China Huadian Corporation*, etc. During the reporting period, neither did the Group have any serious environmental pollution accidents nor serious environmental incidents. 11 ordinary environmental administrative punishments were received in sum, accounting to 890,000 RMB in fines.

During the company operation, the major emissions generated by the Group include sulfur oxides, nitrogen oxides, soot and other air pollutants, wastewater, solid waste and GHG. The country has stringent requirements and regulations of air pollutants generated by power supply companies and continuously enhances its supervision over excessive discharges of pollutants and implementation of energy saving and emissions reduction. Therefore, the Group proactively implements the relevant national policies and enhances the operation and maintenance management of environmental protection facilities by adjusting energy structures and transforming technology. The Group also continuously improves its environmental protection monitoring system and spares no efforts to reduce discharges of pollutants, protecting the environment. During the reporting period, the investment in environmental protection of the Group was 2,676.99 million RMB, and the construction of 2 coal-fired ultra-low emission power units with a capacity of 1,200 MW was completed. The Group’s ultra-low emissions coal-fired power units comprised a total capacity of 37,825 MW, which accounted for 94% of the overall capacity of coal-fired power units. The sulfur dioxide, nitrogen oxides and soot emissions per electricity generation of the Group’s coal-fired power decreased by 42.9%, 31.6% and 50.0% respectively compared to the previous reporting period.



[Highlight] The coal yard dust control renovation project of the Shandong Branch of the Group

According to the relevant requirements of the *Notice of the State Council on Issuing the Three-year Action Plan to Win the Battle for Blue Sky* and the requirements of controlling fugitive emissions of the *2018-2019 Air Pollution Control Action Plan for Jingjinji and Its Surrounding Areas in Autumn and Winter*, Shandong Branch of the Group has initiated the open coal yard sealing renovation project covering thermal power plants in Shandong since 2017 to control dust and eliminate dust pollution, in order to protect the environment. The overall investment of the renovation project was 1.31 billion RMB, which is expected to be accomplished before the end of 2019. The accumulated completed investment was 1.04 billion RMB.



>>> No. 1 and 2 main bodies of the coal yard in the dust control renovation project of Huadian Zhangqiu Power Generation Company Limited (“**Zhangqiu Company**”) was completed and sealed



>>> The internal coal yard dust control project of Laicheng Plant of Huadian Power International was fully completed

As the environmental impacts from climate change become more obvious, it brings the society to pay more attention to how to proactively tackle this challenge and to find an effective way to reduce GHG emissions. Hence, the Group proactively responds to domestic and international green and low-carbon development. A study of carbon emissions and carbon assets management has been developed, which enables the effective integration of low-carbon development concept and strategy into the Group's development plan. Furthermore, the Group continuously improves carbon emission management and optimize carbon assets allocation by making use of the carbon emission statistical information system.



【Highlight】 Huadian Ningxia Lingwu Power Generation Company Limited ("Lingwu Company") —protecting the clean water and blue skies, and creating a beautiful Yinchuan



>>> The CPC Secretary of Ningxia Hui Autonomous Region and the chairman of the Standing Committee of the National People's Congress paid a visit to the project of Lingwu Company supplying heat to Yinchuan

The intelligent centralized heat supply project of Lingwu Company in Yinchuan is a livelihood-related project to promote the national plan of building a resource-conservation and environmentally-friendly society. This project adopts the advanced technology and equipment from the domestic heat supply industry and the Group. Its recent planned heating area is 27.53 million square meters, which replaces various small-sized boilers in Yinchuan and accelerates eliminating small-sized coal-fired boilers. It makes positive contributions to create "a beautiful Yinchuan with clean water and blue skies" by saving 430,000 tons standard coal equivalent, reducing 4,250,000 tons carbon dioxide (CO₂), 110,000 tons of sulfur dioxide and 75,000 tons of nitrogen oxides.



【Highlight】 The expansion project of "replacing small units by large units" of Shiliquan Plant

The expansion project of "replacing small units by large units" of Shiliquan Plant is the first national high-efficiency ultra-supercritical heat generating unit with the capacity of 660 MW, the maximum air extraction rate of 700 tons per hour and annual heating load of 5.76 million GJ, which is the domestic highest heating supply performance. This project replaces 14 surrounding small-sized units with a total capacity of 320 MW and 131 small-sized boilers. It makes a great contribution to the regional reduction of air pollutants by decreasing sulfur dioxide, nitrogen oxides and soot respectively by 2,467, 688 and 393 tons per year. The emissions of sulfur dioxide, nitrogen oxide and soot of the project are far lower than the national standard.

As for the generating wastewater and solid water during operations, the Group has implemented practices pursuant to relevant national and local requirements. The wastewater from power supply projects of the Group is treated using effective wastewater treatment systems. Some power supply projects have implemented zero discharge practices for industrial wastewater. The treated wastewater is reused for greening and sanitation in the plant, whilst any remaining wastewater is discharged according to certain requirements. As for the solid wastes during the reporting period, the generated hazardous wastes of the Group were mainly spent catalysts, spent machine oil and used batteries whilst the generated general wastes mainly were desulfuration gypsum, coal ash and slag. The generated hazardous wastes were delivered by the Group to qualified third-parties for centralized treatment in accordance with the requirements of relevant environmental protection departments. As for general wastes, the Group proactively promoted circular economy, and desulfuration gypsum, coal ash and slag were reused in various ways or sold, such as in the production of cement concrete, etc., so as to reuse resources. During the reporting period, the comprehensive utilization rate of desulfuration gypsum, coal ash and slag was 80.6%, 83.5% and 72.9% respectively.

Saving Energy and Increasing Efficiency

The Group strictly abides by the laws and industry standards relating to use of resources, such as the *Cleaner Production Promotion Law of the PRC*, the *Environment Compliance Guidance for Thermal Power Enterprise*, etc. In addition, the Group has formulated energy saving and emission reduction plans and a clean energy development plan, continuously promoting the transformation to a green, low-carbon, clean and efficient energy structure.

On the front of using resources and raw materials, the primary consumed resources and raw materials of Huadian Power International include coal, natural gas, diesel and water resources. The Group constructs its project with scientific management, careful organization and meticulous construction. Energy and water saving technology renovation are implemented to the existing coal-fired power units. The Group constantly improves energy consumption indicator management and implements specific energy and water saving plans after collecting, consolidating and analyzing energy consumption data. By doing so, it is able to gradually form a mature energy consumption management system. Furthermore, the Group continues to promote research and pilot programs of fuel intelligent management and enhances its fuel information management system which supports full-process tracking, accurately managing fuel. During the reporting period, the standard coal consumption of power generation of the Group was 281.6 g/kWh and decreased by 0.6 g/kWh compared to last year, and the water consumption rate of electricity supply decreased by 1.25% compared to last year. As for water sourcing, the Group considers water source availability when selecting project locations, so had no difficulty in sourcing water fit for purpose.

On the front of developing clean energy, the Group develops its gas-fired power projects stably, and wind and solar power projects orderly, and promotes biomass power project according to the local environment and hydropower project by multiple ways under the guidance of sustainable development concept. The Group further improves the planning and research of gas-fired power projects and has formulated a research report of the long-term development of natural-gas power plants, which stipulates development ideas and directions. As of the end of the reporting period, the total capacity of clean energy of Huadian Power International was up to 10,727.4 MW, with an increase of 597.3 MW compared with that in the last reporting period, including:



Total capacity of gas-fired generator:
4,664.5 MW;



Total capacity of hydropower generator:
2,103.4 MW;



Total capacity of wind power generator:
3,428.9 MW;



Total capacity of solar power generator:
530.6 MW.

Meanwhile, the Group continued to strengthen the development of renewable energy projects and obtained total capacity of renewable energy power generation approved or recorded up to 630.6 MW in total during the reporting period.



【Highlight】 The 100 MW solar power project, “pioneer”, of Shandong New Energy Company successfully conducted and was put into production in Wenshang, Jining



On May 31, 2018, the 100 MW solar power project, “pioneer”, of Shandong New Energy Company passed the acceptance of the grid company in one go, successfully connected to the grid and was put into production in Wenshang, Jining. It is a comprehensive project making use of coal mining subsidence land that implements the spirit of the important instruction of the General Secretary, Xi Jinping, in his inspection tour to Shandong. It applies a novel development model that integrates agriculture and solar power generation by effectively making use of the land in the coal mining subsidence area and solar energy with a total investment of 0.79 billion RMB. After being put into production, it could generate 0.13 million MWh electricity and decrease standard coal consumption by 40,000 tons per year, equivalent to a decrease in sulfur dioxide, nitrogen oxides, soot and GHG emissions by 967 tons, 282 tons, 217 tons and 100,000 tons respectively.

Green Ecology

"Lucid waters and lush mountains are invaluable assets". The Group adheres to implement ecological and environmental protection and fight the battle for prevention and control of pollution. The Group strictly complies with the relevant policies and management measures relating to minimize the significant impacts on the environment and resources, including but not limited to the *Implementation Measures for the Supervision and Inspection over Environmental Protection of China Huadian Corporation (2016 edition)*, and the *Measures for the Administration of Emergency Response Plans for Environmental Incident*, etc. The Group also ensures that those emissions generated from its operations, such as air emissions, wastewater, noise, etc., attain the relevant standards, for example, the *Emission Standard of Air Pollutants for Thermal Power Plants*, the *Integrated Wastewater Discharge Standard*, the *Emission Standard for Industrial Enterprises Noise at Boundary*, etc., and implements soil and water conservation. Furthermore, environmental impact assessments for all construction projects have been conducted by the Group according to relevant requirements. By identifying environmental impact factors, the Group has formulated and implemented various environmental protection measures, such as strictly managing the operations of project construction, mining, hydropower, wind power and other projects. Furthermore, the Group proactively contributes to biodiversity by constantly holding rare fish release activities.



【Highlight】Luding Hydropower Company

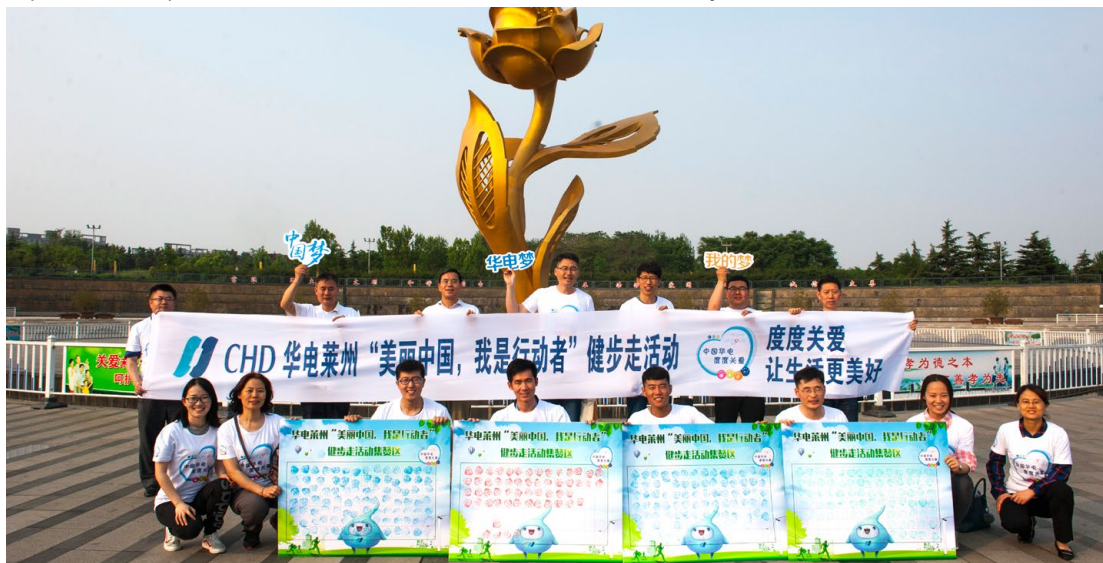
—Rare fish proliferation and release and create an ecological Dadu River

On October 26, 2018, Luding Hydropower Company carefully planned and successfully finished the 2018 fish proliferation and release in autumn, releasing 200 thousand fish fingerlings in total. Considering the impacts from the power plant project to the fish resources in the river, there were 2 kinds of fish released this time, including *Schizothorax prenati* and *Schizothorax davidi* (commonly known as "Yayu"), the former species originating from Sichuan Province and under Grade-II conservation. As of the end of the reporting period, Luding Hydropower Company cumulatively released fish 15 times with 1,600 thousand fish fingerlings in total.

Moreover, the fish proliferation station of Luding Hydropower Company is devoted to studying the reproduction of fishes. Through many years' efforts, the station successfully bred *Schizothorax longibarbus*, a rare fish in the country, a breakthrough by Luding Hydropower Company on the study of reproduction of rare fish.



Furthermore, the Group proactively advocates the company's green and ecological development and constantly increases employees' awareness of green and environmental protection. 2018 is the first year for the Ministry of Ecology and Environment to launch the activities with the theme of "Beautiful China, I am a participant". The Group proactively responds to the activity and held various eco-friendly and volunteer activities, such as the "Beautiful China, I am a participant" walking activity, "Shanchang" activity with the theme of "Beautiful China, I am a participant", "caring about the clean sea and blue sky, clean the wastes at the seafront" voluntary activity, "tackling the problem of plastic, we are acting", etc. The Group promotes ecological civilization construction by practical activities, practices green and low-carbon life, increases the sense of ecological civilization and expands the responsible brand influence of "China Huadian, care everywhere".



>>> Laizhou Company organized a "Beautiful China, I am a participant" walking activity



>>> Huadian Zibo Thermal Power Company Limited ("**Zibo Company**") organized a "Shanchang" activity for the "care everywhere" volunteers with the theme of "Beautiful China, I am a participant", who sang the song *Let China Become More Beautiful*



>>> Huadian Tengzhou Xinyuan Thermal Power Company Limited ("**Tengzhou Company**") held the World Environment Day publicity event with the theme of "tackling the problem of plastic" and "Beautiful China, I am a participant"



>>> Longkou Company held a "caring about the clean sea and blue sky, clean the wastes at the seafront" voluntary activity and implementing the theme of "Beautiful China, I am a participant" by actions

Environmental Key Performance Indicators¹

Indicators	Unit	Performance in 2018	Performance in 2017	Remarks
Total input in environmental protection	Ten thousand RMB	267,699	558,667.5	Including capital input and cost input
Air pollutants²				
Sulfur dioxide emissions	Tons	15,950	-	/
Sulfur dioxide emissions per unit of electricity generation	g/kWh	0.08	0.14	/
Nitrogen oxides emissions	Tons	26,329	-	/
Nitrogen oxides emissions per unit of electricity generation	g/kWh	0.13	0.19	/
Soot emissions	Tons	1,608	-	/
Soot emissions per unit of electricity generation	g/kWh	0.01	0.02	/
GHG³				
Total direct GHG emissions	Ten thousand tons CO ₂	16,430.9	14,696.0	/
Total indirect GHG emissions	Ten thousand tons CO ₂	3.9	10.2	/
Total GHG emissions	Ten thousand tons CO ₂	16,434.8	14,706.2	/

Note:

1. Unless otherwise stated, the data were sourced from a total of 40 thermal power plants (including electricity and heat supply) belonging to the Group. The statistical scope is wider than the previous year.

2. The data of air pollutants were from the real-time monitoring data at the thermal power plants.

3. The calculations of GHG emissions were set out based on the *Guideline of the Greenhouse Gas Emissions Accounting and Reporting for the Chinese Power Generation Enterprise (Trial)*. The data used in the calculation were sourced from the recorded data of the thermal power projects of the Group and best conservative estimates were made based upon historical performance data or benchmarking with similar facilities. The data listed here are only for reference. According to the requirement to the *Notice of Implementing 2018 Carbon Audit Reporting and Verification and Formulating Carbon Emission Monitoring Plans*, every regional administrative department in China will entrust third-party audit institutions to verify the provided GHG data of the Group. The review of the audit report will be finished before May 31, 2019. The verified GHG emission data according to the review shall prevail. The 2018 GHG emission data may be adjusted with reference to the audit result.

Indicators	Unit	Performance in 2018	Performance in 2017	Remarks
GHG emissions per unit of electricity generation ⁴	kg/kWh	0.8	0.7	/
GHG reduction by planted trees ⁵	Tons CO ₂	742.88	-	/
Use of resource				
Total electricity consumptions of thermal power plant	MWh	13,728,604.8	12,309,400.8	/
Total natural gas consumptions	Ten thousand cubic meters	150,296.7	144,293.2	/
Total diesel consumptions	Ten thousand tons	1.4	1.3	/
Total coal consumptions	Ten thousand tons	8,633.6	7,784.5	/
Standard coal consumptions of power generation	g/kWh	281.6	282.2	/
Total water consumptions	Ten thousand tons	29,943.1	28,220.2	/
Water consumption rate of electricity supply ⁶	g/kWh	1,399.3	1,417.1	/
Waste				
Spent catalysts generated	Tons	2,004.7	1,517.8	All recycled and reused by catalyst manufacturers
Spent machine oil generated	Tons	547.8	768.8	Those not recovered will be temporarily stored in each power plant and recycled in the next reporting period
Note:				
4.The listed data refer to the GHG emissions per electricity generating of electricity supply, not including the heat supply.				
5.The calculations of GHG reduction by planted trees were set out based on the <i>Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Building (Commercial, Residential or Institutional Purposes)</i> in Hong Kong published by Electrical and Mechanical Services Department and Hong Kong Environmental Protection Department.				
6.The listed data refer to the water consumption rate of electricity supply, not including the heat supply.				

Waste bag filters for dust removal generated	Bags	17,568	18,916	The recycled rate was 100%
Used batteries generated	Tons	85.2	-	They were recycled and treated by the employed qualified third parties
Total coal ashes generated	Ten thousand tons	1,943.3	1,878.7	Those not recovered will be temporarily stored in ash yards in each power plant and recycled and reused in the next reporting period
Comprehensive utilization rate of coal ashes	%	83.5	88.3	
Total slag generated	Ten thousand tons	410.8	396.3	Those not recovered will be temporarily stored in slag yards in each power plant and recycled and reused in the next reporting period
Comprehensive utilization rate of slag	%	72.9	81.1	
Total desulfurization gypsum generated	Ten thousand tons	600.1	481.5	Those not recovered will be temporarily stored in each power plant and recycled and reused in the next reporting period
Comprehensive utilization rate of desulfurization gypsum	%	80.6	83.0	





A photograph of construction workers wearing hard hats and work clothes. A red semi-transparent box is overlaid on the right side of the image, containing the title text.

Cherishing Talents and Uniting Together for Mutual Development



**Employee Rights
and Benefits**



Talent Development



Energetic Team



**Human Resource
Indicators**

“Everyone can tap their potential and jobs promote their development” . The Group persists in the employment concept of “evaluating talents by performance, choosing the best through competition and paying remuneration based on performance” . The Group concerns itself with employees’ welfare and protects their legal rights and benefits. A talent cultivation mechanism is proactively promoted to build a high-quality, united and energetic talent team. Huadian Power International relies on its excellent talents to complete first-class work, establishing a world-class enterprise.



Employee Rights and Benefits

The Group strictly complies with and implements the relevant laws and regulations relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity and other benefits and welfare, and prevention of forced labor, including but not limited to the *Labor Law of the PRC*, the *Labor Contract Law of the PRC* and the *Trade Union Law of the PRC*. The Group has formulated and implemented a human resource management system in accordance with the above laws and regulations, covering recruitment, labor contract, promotion mechanism, compensation and benefit, working hours, dismissal and other management. On the front of preventing child labor, the Group strictly complies with the applicable laws and regulations, such as the *Law of the PRC on the Protection of Minors*, resolutely objecting to hire child labor under 16 years old as an employee. During the reporting period, the Group did not violate any of the above laws and regulations relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity and other benefits and welfare, and prevention of child labor and forced labor.

The Group adheres to the principle of using employees with both ability and integrity, selecting employees through competition. The Group adopts an open, fair and just talent competition and selection mechanism for recruitment. The employee information is strictly reviewed during recruitment to prevent child labor. Employees have legally entered into labor contracts with the Group, which specify compensation, position, reasons of dismissal and other issues. The Group advocates the employment policies regarding equality and diversity, and it does not discriminate against employees based on race, nationality, color, gender and other conditions. In order to attract, retain and inspire excellent employees, the Group has established a performance-based compensation management system and formulated a compensation management measure on the basis of the Group's management. Upholding the principle of distribution according to work, the Group gives priority to quality and efficiency with due consideration to fairness to adjust compensation or promote employees.

In addition, Huadian Power International has provided social insurance funds (including basic pension insurance, medical insurance, work-related injury insurance, unemployment insurance and maternity insurance) and housing provident funds to employees, as well as providing supplementary medical insurance. Regular health examinations of occupational diseases are also provided to employees. The Group has established people-oriented leave and holiday policies to ensure that employees legally enjoy paid leaves and other public holidays, prohibit forced labor. Appropriate allowance is provided to those who work beyond ordinary working hours according to relevant requirements.



As of the end of the reporting period, Huadian Power International had **28,058** employees in total, the labor contract signing rate reached **100%** and additional commercial medical insurance coverage rate reached **94%**.

Talent Development

Success lies in accumulation. Huadian Power International is devoted to developing a learning organization. It is able to enable employees to continuously accumulate scientific technology and knowledge, increase their professional capability and broaden their career path by providing wide-range and targeted multi-level trainings. The Group continues to improve the development of employee skills training enter, establish the development strategy of talent cultivation and training, and enhance the training mechanism.

During the reporting period, in order to promote the development training system and enhance the foundation of talent cultivation, the Group conscientiously held orientation trainings for new employees, which include corporate culture, work safety, management system, etc. In addition, a training program of tutor teaching apprentice was held, enhancing the “deliver, help and teach” program. Under this program, training plans in the form of “master-apprentice” were formulated, which enabled the new employees to acquire skills of their job. The Group continued to improve the working system that employee who is certified is allowed to work and stepped up efforts to held on-job trainings that help employee meet the required performance standard, so as to form a positive mechanism of training, being qualified and improving. By doing so, it is able to inspire the incentive and initiative.



>>> The 2018 employee orientation of Tianjin Branch of the Group



>>> Tianjin Huadian Nanjiang Thermal Power Company Limited (“Tianjin Nanjiang Company”) held on-site training for employees

Energetic Team

The healthy development of the team is significant to the sustainable development of Huadian Power International. A joyful and challenging workplace motivates employees. Therefore, the Group has proactively organized various kinds of employee activities to promote employees physical and psychological health. In addition, wide-range technology competitions have been held, which are platforms for employees to show their skills and talent. Meanwhile, the Group has proactively organized activities to provide support to employees in need and solve their difficulties and reasonable needs.



>>> Shandong Branch of the Group participated in the final competition of the 34th Skill Competition (Finance) of Huadian Group



>>> Shandong Branch of the Group organized the CPC building skills competition, which required the participants to learn from the competition



>>> To enrich female employees' life, the Group organized a lower salon celebrating the "March 8" Women's Day

Human Resource Indicators

Total number of employees



28,058

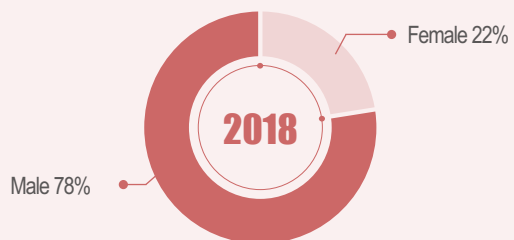
Persons

Annual employee turnover rate



1.27%

Total employees by gender



21,758

Male

Persons

6,300

Female

Persons

Total employees by position type

Performance
in 2018

Unit

6,798

Management

Persons

2,110

Professional technical position

Persons

17,869

Production position

Persons

1,199

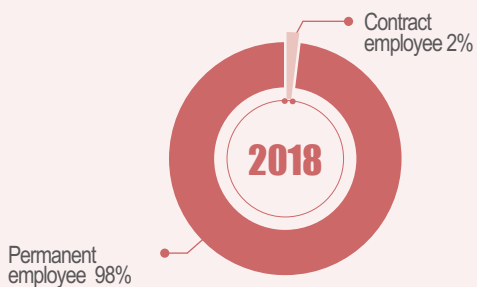
Service position

Persons

82

Other position

Persons



Total employees by employment type

Performance
in 2018

Unit

27,386

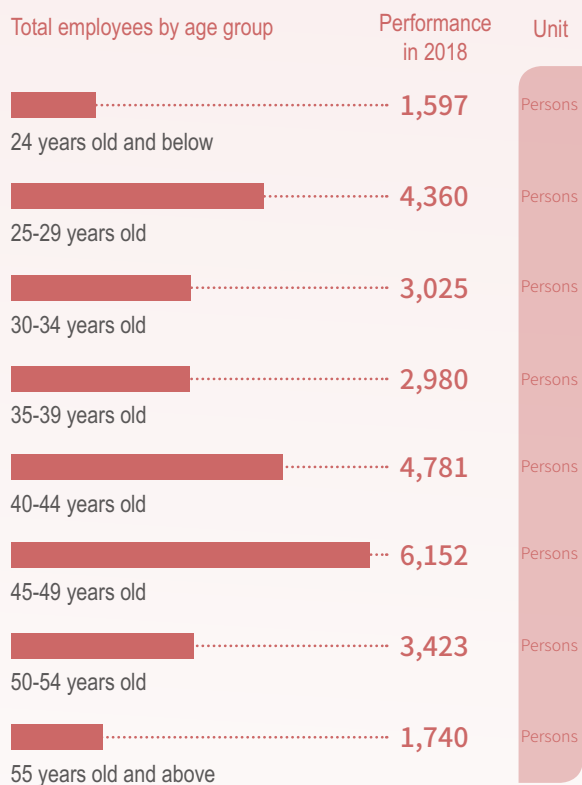
Permanent employee

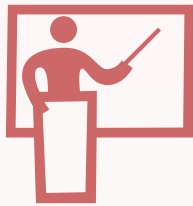
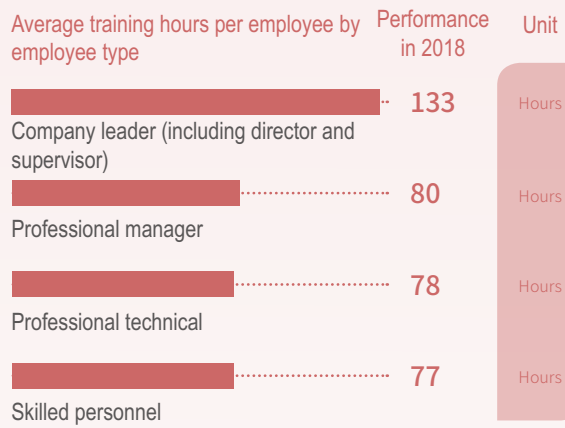
Persons

672

Contract employee

Persons





Average training hours per employee

79 Hours





Sincere Concern and Social Contribution



**Contributing to
Poverty Alleviation**



**Be Considerate to
Community**

The Group keeps its responsibility of CSOEs in its mind, proactively participates in public welfare activities, sincerely serves and contributes to the society, proactively understanding the needs and benefits of the community. The Group helps to build the community in various aspects, “contributing to the society by public welfare activities”, “poverty relief and providing assistance to disaster relief” and “caring about education and helping students in need” and develops a harmonious relationship between the enterprise and community, promoting the social responsibility value of “China Huadian, care everywhere” by practical actions. During the reporting period, the total number of charity donation of the Group was approximately 1,590,000 RMB.

Contributing to Poverty Alleviation

In order to implement to the national call of “implement targeted poverty alleviation and win the battle against poverty”, Huadian Power International takes poverty alleviation as an effective way of fulfilling corporate social responsibility and a channel of communicating with the community. The Group supports the community through precisely identifying families in need and implementing various plans of poverty alleviation. During the reporting period, Huadian Power International invested 5,710,000 RMB in total in aiding families in poverty, caring about communities, donating to students in need, etc.

During the reporting period, Shiliquan Plant studied and formulated the *Implementation Plan of Poverty Alleviation of Shiliquan Plant of Huadian Power International*, paying several visits to the targeted village in need and providing supports to 23 families in poverty in total. The Group recruited more than 30 people from the village and built a training institute of CPC building and poverty alleviation, encouraging villagers to study common knowledge and agricultural technology knowledge at various aspects such as vegetable planting. There were 11 seminars held in total.



During the reporting period, Huadian Power International invested **5,710,000** RMB in total in aiding families in poverty, caring about communities, donating to students in need, etc.

>>> Employees of Shiliquan Plant paid a visit to the villagers



>>> Tengzhou Company organized and held activities of “the Youth League implements poverty alleviation and cares about Shandong”, including organizing volunteers to pay visits to the families in need and left-behind children in villages in need, and providing support to those in need in winter in the event of “the Youth League brings love and cares about Xinyuan”. Volunteers donated popular science books and extracurricular books to children in this event.



>>> Qingdao Company proactively participated in the event of “the Youth League implements poverty alleviation and cares about Shandong”. Employees of the company voluntarily subscribed to the goods and donated them to the children in poverty to spend a warm-hearted winter during the Spring Festival in 2018.

Be Considerate to Community

Huadian Power International cares about what the community needs. The Group proactively contributes to public welfare and cares about the community by practical means, delivering the Group's support and care and promoting the meaning of "care everywhere". During the reporting period, the employees of the Group participated in the community volunteer services for 5,020 person-time and 71,000 hours.



>>> In order to advocate the safe use of electricity in a wide range, Zhangqiu Company went to Futai Primary School and held an activity of "delivering knowledge of electricity use in school" on April 23, 2018, further enhancing the safety awareness of electricity use and abilities of self-protection and rescue in an emergency.



>>> Qingdao Company regularly organizes and provides volunteer services to the community. By delivering heat and electricity usage handbooks to community residents and delivering heat supply knowledge, it is able to help improve the safety and self-protection awareness of the residents. The company cares about the residents by positively communicating with them, patiently serves the residents by sincere actions, satisfies them and maintains a long-term relationship with them.



>>> Zhangqiu Company organized a volunteer activity of visiting and helping senior citizens in the event of "care everywhere, help senior citizen" and cared about senior citizens by contributions on March 20, 2018

Looking into 2019

2019 is a crucial year to finish building a moderately prosperous society. It is also an uncommon year because many works need to be done.

In the future, Huadian Power International will firmly seize the chance. Based on the “13th Five-Year Plan”, the Group will deepen reform and innovation, strengthen improving quality and efficiency, foster the spirit of reform, promote the company’s transformation and high-quality development and fully improve enterprise competitiveness. On the front of safety, Huadian Power International will implement the management of intrinsically safe, further enhance the safety management system and safety supervision. The Group will provide stable power by guaranteeing electricity and heat supply in key period.

In the coming year, Huadian Power International will continue to proactively respond to the call of promoting ecological civilization development, implement the development concept of innovation, cooperation, green, open and sharing. The Group will implement and emphasize environmental protection works, improve the environmental protection management system, guarantee the good operation of environmental protection equipment and facilities, and strives to develop circular economy. In addition, the Group will proactively develop clean energy, emphasize the major target of “structural adjustment and improve quality”, continuously promote the company’s high-quality transformation and development, and contribute to the building of beautiful China.

In 2019, Huadian Power International will continue to proactively fulfill its corporate responsibility and respond to the demand of stakeholders, persist in people-oriented concept and ensure employee rights and benefits. Moreover, the Group will cooperate with working partners and community for mutual development and proactively devote to public welfare.



SEHK Environmental, Social and Governance Reporting Guide Index

A. Environmental

	General Disclosures and KPIs	Description	Relevant Chapter(s) in the ESG Report or Explanation
Aspect A1: Emissions	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Emission Reduction Management
	KPI A1.1	The types of emissions and respective emissions data.	Environmental Key Performance Indicators
	KPI A1.2	Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Environmental Key Performance Indicators
	KPI A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Environmental Key Performance Indicators
	KPI A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Environmental Key Performance Indicators
	KPI A1.5	Description of measures to mitigate emissions and results achieved.	Emission Reduction Management
	KPI A1.6	Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved.	Emission Reduction Management
Aspect A2: Use of Resources	General Disclosure	Policies on the efficient use of resources, including energy, water and other raw materials.	Saving Energy and Increasing Efficiency
	KPI 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).	Environmental Key Performance Indicators
	KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	Environmental Key Performance Indicators
	KPI A2.3	Description of energy use efficiency initiatives and results achieved.	Saving Energy and Increasing Efficiency
	KPI A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved.	Saving Energy and Increasing Efficiency
	KPI A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	Not applicable ⁷
Aspect A3: Environment and Natural Resources	General Disclosure	Policies on minimizing the issuer's significant impact on the environment and natural resources.	Green Ecology
	KPI A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	Green Ecology

Note:

7. Due to the business nature of the Group, this disclosure is not applicable to it.

B. Social

	General Disclosures and KPIs	Description	Relevant Chapter(s) in the ESG Report or Explanation
Aspect B1: Employment	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Employee Rights and Benefits
	KPI B1.1	Total workforce by gender, employment type, age, group and geographical region.	Human Resource Indicators
Aspect B2: Health and Safety	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Occupational Health
	KPI B2.1	Number and rate of work-related fatalities.	Operational Safety
	KPI B2.3	Description of occupational health and safety measures adopted, how they are implemented and monitored.	Occupational Health
Aspect B3: Development and Training	General Disclosure	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.	Operational Safety Talent Development
Aspect B4: Labor Standards	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labor.	Employee Rights and Benefits
Aspect B5: Supply Chain Management	General Disclosure	Policies on managing environmental and social risks of the supply chain.	Supplier Management
	KPI B5.1	Number of suppliers by geographical region.	Supplier Management
	KPI B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored.	Supplier Management
Aspect B6: Product Responsibility	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labeling and privacy matters relating to products and services provided and methods of redress.	Governing Enterprise by Law Continuous Supply Operational Safety

Aspect B7: Anti-corruption	General Disclosure	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	Governing Enterprise by Law
	KPI B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Governing Enterprise by Law
	KPI B7.2	Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored.	Governing Enterprise by Law
Aspect B8: Community Investment	General Disclosure	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests.	Sincere Concern and Social Contribution
	KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labor needs, health, culture, sport).	Sincere Concern and Social Contribution
	KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	Sincere Concern and Social Contribution



華電國際電力股份有限公司

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