

Environmental, Social and Governance Report

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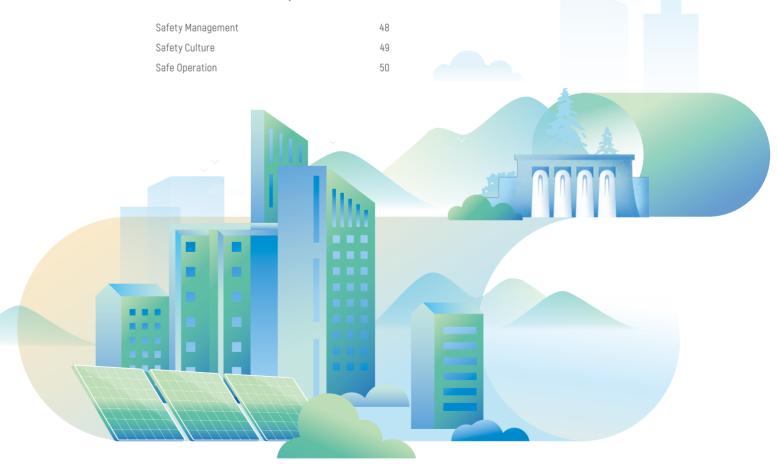
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Our Greetings

The year 2022 marked an extraordinary and unforgettable period of time. The successful convening of the 20th CPC National Congress chartered a new journey to advance the great rejuvenation of the Chinese nation on all fronts through a Chinese path to modernization. Over the past year, Datang Power adhered to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era , stayed committed to the primary political task to pave the way for and guarantee the convening of the 20th CPC National Congress as well as to publicize and implement its guiding principles, and resolutely implemented the arrangements and requirements

of the CPC Central Committee for keeping the epidemic at bay, stabilizing the economy and ensuring safe development. We effectively coped with huge pressure on energy supply, evolving dynamics of COVID-19, coal prices remaining high, and fierce market competition, and etc., pursued progress while ensuring stability, ensured coordinated implementation of various tasks such as safety and stability, supply guarantee and efficiency improvement, green transition, deepening reform, risk prevention and control, management enhancement, Party building, and successfully completed the tasks of the whole year.

In 2022, we demonstrated a strong sense of responsibility in guaranteeing safe and stable energy supply. As a leading state-owned energy and power company, we made every effort to ensure the safe and reliable power supply in the political interest of firmly defending "establishing Comrade Xi Jinping's core position on the CPC Central Committee and in the Party as a whole and defining the guiding role of Xi linging Thought on Socialism with Chinese Characteristics for a New Era" and resolutely implementing "upholding General Secretary Xi Jinping's core position on the CPC Central Committee and in the Party as a whole and upholding the Party Central Committee's authority and its centralized, unified leadership". Focusing on key issues such as supply of coal for power generation, guarantee for funding, production organization, COVID-19 control, we further improved the work mechanism to ensure responsibility fulfillment at all levels in a solid and meticulous manner, so as to complete our power supply guarantee tasks with high quality for major political events including the Beijing 2022 Winter Olympics and Paralympics, and the 20th CPC National Congress, etc., vividly interpreting our political character and key roles in showing strong resilience against challenges and maintaining stability.

In 2022, we improved our performance while deepening quality and efficiency enhancement. In the face of the grim business situation of high coal prices and fluctuations in power supply and demand, we pursued progress while ensuring stability, adhered to goal and problemorientation and systematic policy implementation, and continuously implemented the special quality and efficiency improvement campaign based on the principle of "improving sold electricity sales, investment quality, labor productivity while reducing fuel costs and financial expenses, and managing corporate loss". Through constantly holding

quarterly labor competition to ensure supply and increase efficiency and unremittingly organizing and implementing routine "daily scheduling" lean management and control, we effectively improved our operation management and control and risk resistance ability, firmly grasped the initiative in business operations, and contributed to the economic stabilization with our own stable growth.

In 2022, we made great efforts to catch up in green and low-carbon

transformation. We consciously implemented China's strategic decisions and arrangements of new energy security strategy and "30-60 Decarbonization Goal", and coordinated the tough battles for enhancing the development and efficiency of new energy, improving the quality and efficiency of coal-fired generation, and vitalizing and expanding new industries. We completed power supply projects with an approved total capacity of 10.46946 GW, and put into production a total capacity of 2.6174 GW, among them, new energy accounted for 66.7% and 43.54% respectively. Total installed capacity of Datang Power reached 71 GW, of which the contribution from clean energy sources recorded a yearon-year increase of 2.83%. We consolidated and expanded the results of power base project construction, and made solid progress in largescale new energy bases under construction, such as Phase I projects of the 2GW base of Inner Mongolia Tuoketuo Power Generation Company and the 1GW base of Wei County. Hebei Province. We accelerated the implementation of integrated coal-mining and power generation enterprises projects, and promoted the high-quality construction of a number of such projects including the Phase 9 of Hebei Baoding Thermal Power Plant, Hebei Douhe Thermal Power Plant, and Phase II of Jiangxi Xinyu Power Plant, etc. Foshan Thermal Power and Baochang Gas Power Generation projects were completed and put in production for power generation.

In 2022, we stimulated momentum in deepening reform and governance. Strictly following the guidance of the three-year action plan for SOE reform, we advanced the reform in key areas at a swift and steady pace and realized steady improvement in the quality and efficiency of reform and operation. We made significant progress in building modern corporate system with Chinese characteristics, completed the formulation of the lists of decision-making matters and working rules for all primary-level enterprises across the system, and promoted more standardized operation of the Board. We continued to take solid steps to put in place market-oriented operation mechanism, and realized the full coverage of the contractual management and the tenure system for managers as well as the position agreement and labor contract management for employees, so as to stimulate and fully unleash the Company's development momentum, vitality and efficiency.

In 2022, we strengthened Party building to consolidate our foundation and inner strength. We carefully studied, thoroughly understood, and fully implemented the guiding principles of the 20th CPC National Congress, and kept on enhancing cohesion and forging inner strength with Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era. Through the implementation of the "consolidating the foundation in two years and achieving enhancement in three years" initiative, we improved the "five systems" of Party building and promoted the standardization of primary-level Party committees and Party branches to ensure quality and compliance. We relied on employees to run our businesses wholeheartedly, strived to realize, safeguard, and advance the fundamental interests of our employees to the greatest extent, and let all of them share the fruits of the Company's reform and development.

In 2022, we fulfilled our social responsibilities. We supported rural vitalization heart and soul and continued to deepen the "Three Supports and Three Truths, Five-sphere Integrated" assistance system with characteristics of Datang Power. We provided RMB 14.999 million assistance funds to 11 regions including Qinghai, Ningxia, and Beijing-Tianjin-Hebei region, etc. to help areas that had just shaken off poverty realize the vitalization of rural industry, talent, culture, eco-environment, and organizational structures. Carrying forward the spirit of contribution, friendship, mutual assistance, and progress, we successfully completed the volunteer service tasks for the Beijing 2022 Winter Olympics and Paralympics, contributing our part to the fulfillment of the promise top-stage "two games of equal splendor".

To go full steam ahead with the changing times, in 2023, we will always adhere to the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, thoroughly study and implement the guiding principles of the 20th CPC National Congress, strengthen our consciousness of the need to maintain political integrity, think in bigpicture terms, follow the leadership core, and keep in alignment with the central CPC leadership. While staying confident in the path, theory, system, and culture of socialism with Chinese characteristics, we will safeguard General Secretary Xi Jinping's position at the core of the CPC Central Committee and the whole Party, and uphold the CPC Central Committee's authority and its centralized, unified leadership. We will maintain firm confidence and concentration, unite as one, forge ahead with enterprise and fortitude, and make every effort to complete the tasks and objectives of the whole year, striving to open new ground for the high-quality development of Datang Power, and continuously make new and greater contributions to building a modern socialist country in all respects and advancing the great rejuvenation of the Chinese nation nn all fronts



2022 Social Responsibility Report About Datang Power

About Datang Power

Datang International Power Generation Co., Ltd. [hereinafter referred to as "Datang Power" or "we"] was incorporated in 1994. The Company is the first Chinese enterprise listed in London, the first Chinese power company listed in Hong Kong, and the first Chinese company listed simultaneously in Hong Kong, London, and Shanghai. Engaging in various sectors and industries, including coal, transportation, circular economy and electricity sales, Datang Power is an integrated energy enterprise with the power generation as the main business. In 2022, Datang Power fully implemented the new development philosophy and new energy security strategy, endeavored to promote green and low-carbon transformation, and took solid steps towards high-quality development.

By the end of 2022

Total asset

RMB 305.1 billion

Provinces and regions nationwide covered by its operating enterprises and projects under construction

Operating income Total profit

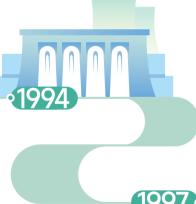
RMB 116.828 billion 31,127

Employees in total



Our History

Datang Power was founded with the installed capacity of 2.85GW.



company listed in Hong Kong and first Chinese

company listed in London.

Datang Power was included in the Fortune Global 500 list for the first time and the winner of the Gold Corporate Awards 2009 from *The* Asset magazine, with the installed capacity exceeding 30 GW.

Datang Power was recognized as the Most Socially Responsible Listed Company and China's Top 10 Listed Company in Corporate Governance, with the installed capacity reaching 39.187 GW.

Global Energy Companies by Platts for the 11th consecutive year and awarded Top 100 Listed Companies in China, with the installed capacity reaching 48.031GW.

Datang Power was listed into the Top 250

Datang Power generated 269.704 TWh of electricity in total, representing a year-on-year increase of 35.74%. The Company was listed into the Top 250 Global Energy Companies by Platts for the 12th consecutive years, with the installed capacity reaching 62.853 GW.

2018



-2013

2006



Datang Power was included in Top 250 Global Energy Companies by Platts for the 8th consecutive year, with the installed capacity exceeding 40 GW.

Total installed capacity of Datang Power reached 68.77 GW, with the installed capacity of clean energy projects contributing to 30.27% of the total. The base of Inner Mongolia Tuoketuo Power Generation Company and the base in Wei County, Hebei Province were approved for the first batch of large wind and photovoltaic power stations in China, marking a good start of the 14th Five-Year Plan period.

In 2022, the total installed capacity of Datang Power reached 71.0244 GW, with 3.1364 GW of new energy projects started, and 1.1396 GW of new energy projects put into power generation, marching towards a new stage of green transformation.

Datang Power accelerated its implementation of the plan set for the 13th Five-Year Plan period and secured structural reforms. The Company was recognized as Top 250 Global Energy Companies by Platts for the 10th straight year and received the award of Top 100 Listed Companies in China, with the installed capacity reaching 44.338 GW.

04

Industrial Layout Coal-fired Power Hydro Power Shipping Project Coal Mine Project Other Project

Corporate Governance

Datang Power thoroughly studies and implements President Xi Jinping's important discourse on the reform and development of state-owned enterprises and the capital markets. Acting upon the new development philosophy in the new development stage, we improve the modern enterprise system with Chinese characteristics and the governance mechanism of state-controlled listed companies, strengthen our internal quality and external image, and strive to build a first-class listed energy company based on high-quality development.

Corporate Governance Structure Chart Shareholders' Meeting Board of Supervisiors Board of Directors Strategic Development & Risk Control Committee Audit Committee Remuneration & Appraisal Committee Nomination Committee

Corporate Governance

Targeting the corporate development plan during the 14th Five-Year Plan period, we make targeted and precise efforts by focusing on the weak links in corporate governance to continuously improve the corporate governance mechanism, which further improves the quality and efficiency of the Company's operations, and facilitates the high-quality development.

Implementing decision-making system on major matters. We have improved the lists of decision-making matters, provided guidance for primary-level enterprises to set up and revise implementation measures, lists of decision-making matters and working rules for the decision-making system on major matters, major appointments/dismissals, project arrangements and the use of large amounts of money.

Improving the organizational structure for ESG management. The Board of Directors, as the decision-making body, develops the top-level design and formulates ESG policies, supervises and reviews the efficacy of ESG management. A planning and development strategic committee, an environmental protection management leading group, and other work mechanisms have been established at the management level to implement ESG management requirements and report to the Board. Functional departments coordinate and participate in ESG management, and promote ESG development. Our subsidiaries take charge of daily management of ESG information and receive guidance from the headquarters.

ESG management mechanism



Board of Directors

- Develop the top-level design and formulate ESG policies
- Supervise and review ESG management



The management

- Implement ESG management required by the Board of Directors
- Establish ESG management organizations



Functional departments and related divisions

- Clarify the departmental responsibilities according to ESG management requirements
- Participate in ESG management and promote ESG development



Subsidiaries

- Take charge of daily management of ESG information
- Accept the headquarters; guidance over ESG management Give feedback on ESG management performance

Strengthen investor relation management.We have established positive interactions with investors through measures such as holding result briefings, strengthening communications with industry analysts, publishing reports and announcements in a timely manner, and improving the quality of information disclosure, etc.

Improve remuneration incentive mechanism. Improve remuneration incentive mechanism.

Strengthening connected transaction management. We have formulated the *Implementation Rules for Connected Transaction Management*, regularly updated the list of related parties, and engaged auditors to review the implementation of connected transactions each year to ensure that connected transactions are within the annual caps.

Opening up reporting channels. We have issued the *Notice on Setting Up E-mails for Conduct Improvement at Datang Power Headquarters and Making Public the Contact Information for Whistleblowing*. Besides, the analysis of reasons for complains and visits is enhanced to solve problems and conflicts from the root causes.



- Won the honors of Listed Company with the Best Investment Value, Listed Company with the Best Investor Relations Management of the China Securities Golden Bauhinia Awards
- Won the honor of 2022 Potential Growth Listed Company of China Financial Annual Champion Awards.
- Officially included in MSCI China A Onshore Index and MSCI China All Shares Index



The 29th Meeting of the 10th Session of the Board of Directors of Datang Power



The 2022 interim results briefing of Datang Power

Risk Control

We strictly abide by national laws and regulations and relevant regulatory requirements, improve assessment and monitoring and early warning mechanisms for significant risks, and strengthen the target indicator system for risk prevention and control by focusing on areas with major business risks, striving to enhance the accuracy of risk disclosure. Through supervision and evaluation of internal control in grassroots enterprises, we promote the standardization of internal control system and continuously enhance the effectiveness of internal control system. Investigations on potential legal risk in key areas are conducted to ensure the fulfillment of principal responsibilities for legal risk prevention and control and case management, and promote the building of compliance management system of the Company on all fronts, so as to keep the bottom line of development with all-out efforts.

Anti-corruption

Unswervingly take the coordinated steps to ensure that officials do not dare not be corrupt ,cannot be corrupt and do not want to be corrupt. In addition, we take precautions in advance through analysis of key area and critical problem clues, and offer routine warning educational courses with real corruption cases and enhance resistance to corruption and moral decline.

CSR Management

Material Topics

In combination of the expectations and demands of all stakeholders with our actual development and with reference to the ESG Reporting Guide and GRI Standards, we identify the material topics that meet the ESG governance requirements of Datang Power from the two dimensions of "the importance to stakeholders" and "the importance to the Company".

| Party Building | Technological Innovation | Carbon Management | Protecting Shareholders' Rights |
|---|--|--|------------------------------------|
| Responding to National Policies | Clean Energy | Energy Saving and Emission Reductio | Biodiversity Protection |
| Employee Development and Rights | Work Safety and Occupational Health | Power Market Development | Win-win Cooperation |
| Ultra-low Emission | Compliance Management | Risk Management | COVID-19 Response |
| Promoting CSR Fulfillment along the Supply Chain Responsibility | Communication with the Public | Voluntary Service | Community Development |
| Respect for Intellectual Property Rights | Rural Vitalization | Maintaining the Market Environment | Optimizing Customer Service |
| Industry Cooperation and Development | Stable Energy Supply | | |



Stakeholders Engagement

Highly valuing the stakeholder communication, we identify the feedback and expectations of all stakeholders on the Company and improve our ESG performance with a variety of communication mechanisms and channels, thus effectively responding to the needs of all parties.

| Stakeholders Expectations and Requirements | | Communication Methods | Performance Indicators |
|--|--|--|---|
| Shareholders and investors | Stable Income Sound Risk Management Corporate Governance and Operations Operation in Compliance Improving Profitability Increasing Market Value Reducing the Operational Risk ESG Performance | Annual Report of Datang Power The General Meeting of Shareholders Roadshow or Reverse Road show Performance Presentation Daily Communication ESG Report | Close Communication with Investors Improving the Timeliness of Information Disclosure Enhancing the Profitability of the Company Adopting Market Suggestions to Improve the Management of Datang Power |
| Customers | Contract Fulfillment Quality Assurance Service Guarantee Mutual Benefit Protection of Customers' Rights Customer Privacy Protection Caring for Vulnerable Groups | Weibo, WeChat Official Account, Official Website Customer Satisfaction Survey | Strictly Keeping Business Secrets Protecting Customer Information Providing High-quality, Efficient, Safe and Green Energy |
| Staff | Safeguarding the Legitimate Rights of Employees Ensuring Occupational Safety and Health Providing Reasonable Remuneration and Benefits Access to Equitable Career Development Opportunities Caring for Retired Employees | Workers' Congress and Labor Union Employee Seminar Organizing Vocational Training Employee Mutual Care Activities Feasible Suggestions Business Disclosure Daily Communication Employee Physical Examination | Signing Labor Contracts According to Law and Adopting Democratic Management Establishing Occupational Safety Management System and Strengthening Occupational Health Protection of Employees Providing Sound Compensation and Benefits Guarantee Providing Systematic Career Planning and Employee Development Training Visiting Retired Employees and Providing Services for Retired Employees |
| Partners | Win-win Partnership Clean Business Environment Establishing Harmonious and Interactive Friendly Relations Promoting the Sustainable Development of the Industry Achieving Win-win Cooperation and Common Development | Industry Associations Cooperation Agreement High-Level Mutual Visits Strategic Cooperation Regular Communication Meeting | Constantly Expanding Communication and Cooperation Channels Strengthening Communication and Cooperation with Stakeholders |

| Stakeholders Expectations and Requirements | | Communication Methods | Performance Indicators |
|--|--|---|---|
| Government and Regulatory Agencies | Legal Compliance Energy Conservation and Emission Reduction Promoting Employment Responding to National Strategies Paying Taxes According to Law Compliance Operation According to Law | Attending Meetings Work reports Information Submission Reporting Materials Regularly Participating in Relevant Seminars Organized by Government or Regulatory Agencies | Accelerating the Transformation of the Mode of Economic Development Complying with Laws and Regulations Actively Communicating with Relevant Regulatory Authorities |
| Communities | Improving People's Livelihood Community Communication Charity Supporting Regional Economic Development Protecting Living Environment of Communities Establishing Harmonious Community Relations | Cooperation and Joint Construction Charitable Activities Publicity Activities Organizing Volunteer Activities Carrying out Donation Activities | Driving the Economic Development of Areas where Our Operations are Located Organizing Charitable Activities on Environmental Protection Launching Community-based Volunteering Activities |
| Environment | Environmental Protection Effective Utilization of Resources Energy Conservation and Emissions Reduction Addressing Climate Change | Organizing Public Welfare Activities on Environmental Protection Green Operation | Developing Circular Economy Implementing the Green office Ensuring All Pollutants to be Discharged up to Standard |
| Suppliers | Long-term Cooperation Keeping Promise Open, Fair and Impartial Procurement Common Development Mutual Benefit | Supplier Conference Bidding Information Disclosure Strategic Cooperation Cooperation Agreement | Implementing Open and Transparent Business Principles and Processes Standardizing Management and Honoring Contracts and Agreements Implementing Responsible Procurement |



Ensuring Power Supply with Targeted COVID-19 Control Measures

Ensuring energy supply is always an important political task for us. To serve the country's most fundamental interests, we mobilized officials and employees to the frontlines of energy supply with the most primary aspiration, took strictest anti-pandemic measures in COVID-19 risk prevention, and lighted up thousands of homes with clean energy. During the pandemic, we adhered to putting people first and valuing life above all, coordinated the anti-pandemic responses with our production and operation, and effectively prevented shutdown of power generation units due to the "pandemic" and ensured the stable and orderly energy supply. Our efforts in energy supply guarantee were widely recognized by higher-level institutions and local governments.





Zou Lei, Party Secretary and Chairman of China Datang Corporation is supervising the power supply guarantee task of the 20th CPC National Congress



Liu Mingsheng, General Manager and Deputy Party Secretary of China Datang Corporation is supervising the power supply guarantee task of the 20th CPC National Congress at Zhangjiakou Power Generation Company







Tuoketuo Power Generation Company strengthening operation monitoring to ensure the smooth operation of power generation units during the pandemic

During the Lantern Festival in 2022, COVID-19 pandemic suddenly broke out in Hohhot. Focusing on pandemic prevention and control, work safety, equipment maintenance, material supply, fuel security, Tuoketuo Power Generation Company immediately activated the first-level emergency response mechanism to ensure power supply, established emergency pandemic response task force for epidemiological investigations, and strictly implemented the three-level zoning (closed-off management areas, restrictive control areas and prevention areas) prevention and control measures to ensure that the smooth operation of power generating units. In this way, we achieved the reliable power supply guarantee and the sound pandemic prevention at the same time, demonstrating the most powerful strength of a central electric power SOE in guaranteeing energy supply.

Case Standing out bravely in the face of COVID-19 to take the double "major tests" of pandemic control and power supply guarantee

In response to the surging COVID-19 pandemic, Heilongjiang Power Generation Company formulated scientific and targeted pandemic prevention and control measures, improved the plan for shift preparation, carried out emergency response drills for emergencies, and purchased pandemic prevention materials in a timely manner to ensure the safety and health of officials and employees, and fully guaranteed power supply amid COVID-19 pandemic, achieving double victories in pandemic prevention and power supply guarantee.



Youth volunteers of Heilongjiang Power Generation Company achieving double victories in pandemic prevention and production



Matou Thermal Power Company inspects equipment of booster stations

Successfully completing the task of power supply guarantee for Beijing 2022



The story behind the Green Winter Olympics: lighting up the lights in Beijing via the wind from Zhangbei, Heibei Province

Zhangjiakou New Energy Business Unit coordinated production and operation and pandemic prevention and control, and supplied green power to the Winter Olympics venues. New energy power generation units with a total of 332.5MW installed capacity under its management went full steam to ensure reliable power supply for the Winter Olympics venues. Tuoketuo Power Generation Company increased the inventory of fuel and bulk materials to minimize the impact of road transportation restrictions during the Winter Olympics. Zhangjiakou Thermal Power Company implemented anti-cold and anti-freezing measures and extreme weather response plans, stepped efforts to inspect heating system equipment and analyze parameters, enhanced emergency response capabilities for heating supply emergencies, and went all-out to ensure power supply for the Winter Olympics and Paralympics Games, facilitating Olympic flame to shine over beautiful China.



Ensuring reliable power supply for the 20th CPC National Congress

Bearing in mind the strong political responsibilities and full political enthusiasm, Datang Power carried forward the fine tradition of power supply guarantee veteran to coordinate and ensure energy supply, work safety, environmental protection, and pandemic prevention and control. In the critical moments of preparation for and final battle of power supply guarantee, we carried out special supervision and inspection for power supply guarantee, strengthened operation and defect elimination management, and ramped up efforts on equipment inspection and maintenance, technical transformation, and on-site operation management of infrastructure construction. We conducted emergency drills, improved and revised special emergency contingency plans in a timely manner, and effectively enhanced emergency response capability, celebrating the successful convening of the 20th CPC National Congress with our concrete actions.



Liang Yongpan, Chairman, Party Secretary, and General Manager of Datang Power is supervising the power supply quarantee task of the 20th CPC National Congress







Facilitating Green Transition with Clean and Low Carbon Energy



In response to the general trend of global green and low-carbon transformation and the requirements of achieving China's carbon peak and neutrality goals (30-60 Decarbonization Goal), we implement the new development philosophy in the new development stage, integrate into the new pattern of development, and expedite the adjustment of energy mix, regional layout and industrial structure. We resolutely prioritize ecological protection, pursue green and low-carbon development, and effectively play the role of the energy and electric power industry as the main forces for transformation.



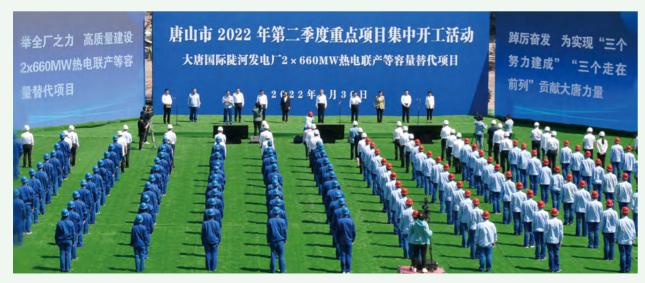
| Inicators | 2020 | 2021 | 2022 |
|--|--------|--------|--------|
| Total installed capacity (MW) | 68,278 | 68,770 | 71,024 |
| Installed capacity of wind power projects [MW] | 4,633 | 5,079 | 5,417 |
| Installed capacity of hydropower projects [MW] | 9,205 | 9,205 | 9,205 |

| Inicators | 2020 | 2021 | 2022 |
|--|-------|-------|-------|
| Installed capacity of solar PV projects (MW) | 1,584 | 1,910 | 2,789 |
| Installed capacity of gas-fired power projects (MW) | 4,622 | 4,622 | 6,100 |
| Share of clean energy projects in the total installed capacity (%) | 29.4 | 30.27 | 33.1 |



Case The construction of 2×660 MW combined heating and power (CHP) unit of Hebei Douhe Power Plant starts

The 2×660 MW CHP cogeneration unit project of Hebei Douhe Power Plant features high parameters, large capacity, low energy consumption, ultra-low emissions, and ultra-supercritical. After the completion and putting into production of the project, the economic and technical indicators of the unit will reach the top level of units of the same type in China, and realize coal reduction and carbon dioxide emission reduction in Tangshan region. Meanwhile, the project will effectively contribute to air quality improvement and low-carbon and green transformation of Tangshan City.



The commencement ceremony of Hebei Douhe Power Plant's 2×660 MW CHP cogeneration unit



Wasteland for a millennium turns into a "coastal landscape" which provide endless clean energy



The Xiangshan Changdatu photovoltaic (PV) project of Zhejiang Branch

The Xiangshan Changdatu photovoltaic (PV) project of Zhejiang Branch is the largest fishery and solar hybrid PV project built on a coastal tidal flat in China. With a total installed capacity of 300 MW. Based on the average standard coal consumption of thermal power generation, this is equivalent to a reduction of 100,000 tons of standard coal and an emissions reduction of 270,000 tons of carbon dioxide. The commissioning of this project will lay a solid foundation for Xiangshan County to achieve power supply from 100% clean energy sources at the end of the "14th Five-Year Plan", facilitating Zhejiang province to take the lead in realizing China's goal of peaking carbon dioxide emissions by 2030 and achieving carbon neutrality by 2060.

Once operational, the distributed rooftop photovoltaic project of Beijing Gaojing Thermal Power Plant is expected to save an average of 2.475 GWh of electricity and reduce 1,955.2 tons of carbon dioxide emissions every year





Unleashing Dynamism through Deepening Reform

We resolutely implement the major decisions and arrangements of the CPC Central Committee and the State Council, and focus on the two major themes of managing and utilizing state-owned assets well and maximizing the vitality of enterprises on the basis of the Double Hundred Action for SOE Reform. We ramp up efforts to advance the establishment of modern corporate system with distinctive Chinese features, keep optimizing industry layout and structure, and continuously consolidate the market-oriented operation mechanism, so as to facilitate the Company in marching towards a new stage of high-quality development.





Charting the Reform Course with "Reform + Standardizing Corporate Governance"

We fully implement "the commitment to the Party's leadership over state-owned enterprises (SOEs) and developing a modern enterprise system and treating it as the direction of SOE reform" and the "two-way entry and cross-service" system, thoroughly integrate Party leadership into corporate governance. We continue to improve the corporate governance structure, further optimize the decision-making process, and further improve the formation and operation quality of the board of directors. We optimize and clarify the authority and responsibility boundaries of each governance body, dynamically adjust the "three checklists", and continue to improve the decision-making system on major matters, major appointments/dismissals, project arrangements and the use of large amounts of money, so as to effectively play the roles of each governance body including party organizations, the board of directors, and the management. etc.



Inner Mongolia Tuoketuo Project, one of China's first batch of large-scale wind and solar power bases, holds the mobilization conference on the commencement of construction



Consolidating the Main Battlefield of green, low carbon, multi - energy complementary through "Reform + Transformation and Innovation"

We always regard high-quality, highly efficient, safe and reliable energy supply as the most direct and powerful manifestation of the effectiveness of reform. We have successfully completed the power supply guarantee tasks for all major political events. Seizing the opportunity of "China's 30-60 Decarbonization Goal" development and acting as a good "vanguard" of green development, we vigorously push forward the development of large-scale new energy project bases and advance the coordinated development of new coal-fired and new energy projects. Through building a modern industry system featuring digital and intelligent orientation, we carry out the construction of smart fuel, smart warehousing, and smart heating supply platform.





Empowering Vitality and Impetus with "Reform + Talent Motivation"

Emphasizing the matching of "competence" with "position", we vigorously promote the job reshuffle through competition, position adjustment for the least competent ones and exit mechanism for incompetent ones among management positions. We refine talent development channels with a sound promotion mechanism to ensure unimpeded promotion channel for outstanding frontline talents. We continue to optimize the performance-based distribution structure, promoting the institutionalization and normalization of work efficiency matching, and fully releasing the precise incentive guiding role of performance appraisal.

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Case:

Making solid progress of the three-year action plan to steadily advance SOE reform came to a high-quality end

Datang Power held the high quality end promotion meeting of the three-year action plan of SOE reform, set up a leading group and 10 special reform classes, in-depth study of acceptance policies, targeted force to formulate measures, "one checklist and one progress chart for each enterprise" clear goals, adhere to the implementation of daily meetings, weekly scheduling, follow up the implementation of reform item by item. We have successfully completed 30 items related to the "Double-Hundred Enterprises" and the three-year action plan dual assessment system, and have realized that the assessment index is in the forefront and toward excellent. The report on the effect of the company's reform was published in the special issue of "Double-Hundred Action" of The State Council SASAC.



Datang Power holds the conference on advancing the high-quality conclusion of the three-year action plan for SOE reform

Implementing Lean Operations Management to Maintain Stable Macroeconomic Performance

Electricity generation

261.904 TWh

Market electricity

199.709 TWh

Total heat supply

163.7756 million G



Guarantee for Heat Supply for People's Well-Being

Heat supply is critical to people's well-being. To quarantee sufficient heat supply in winter, we check equipment hazards and put in place equipment antifreezing plans in advance, work to reduce unplanned outages of generating units and limited electricity output, and ensure reliable fuel supply. As long as efficient and stable heat supply is guaranteed, users can have a warm and comfortable winter.



Treating winter diseases in summer – getting heating equipment prepared for highquality heating service in winter

To guarantee safe and stable operations of heating equipment in winter, Douhe Power Plant chose to "treat winter diseases in summer" and conducted comprehensive equipment hazard inspections to find out problems. The company tested the heating network by injecting water in it before the heating season, improved the quality of heating equipment through lean management, and eliminated equipment hazards completely. All maintenance projects were completed before the heating season, ensuring smooth heat supply.



Enhancing emergency response against extreme cold weather

Faced with one of the strongest cold waves, Gaojing Thermal Power Plant immediately launched a contingency plan for extreme cold weather and analyzed possible extreme situations. By conducting strict management of the emergency response personnel, improving the contingency plan for heat supply interruption, strengthening regular inspections in key areas, organizing safety drills, preparing enough emergency materials in advance, protecting equipment from damages caused by coldness and frost with every effort, etc., the power plant ensured that all equipment was in good condition for safe heat supply, and realized sound, stable, and efficient operation of the heating system.



An inspector from Gaojing Thermal Power Plant conducts an outdoor equipment inspection



The staff of Datang Power brave the wind and snow to guarantee heat supply



Case Guaranteeing sufficient fuel supply and stable heat supply to improve people's well-being

During the Spring Festival, there was a tight coal supply and the capacity of coal transportation by truck plummeted. Faced with such difficulties, Baoding Thermal Power Plant developed special fuel supply plans for holiday seasons and strengthened ties with coal suppliers and railway transportation departments. By adjusting the market-based coal bidding and procurement mechanism, properly arranging the transportation of coal covered in long-term coal supply contracts and improving coal transportation plans, the power plant supplemented its inventory efficiently, thus greatly easing the pressure on coal supply, guaranteeing fuel inventory, and ensuring reliable heat supply.



Heating data publishing center



Shouldering the mission of ensuring heat supply and guaranteeing people's well-being

In order to strengthen emergency response during the heating season, Liaoning Huludao Thermal Power Plant upgraded its control measures and emergency heating plan. It opened a 24/7 customer service hotline to coordinate and handle complaints reported by users in a timely manner, and maintenance personnel strengthened hazard investigation. In this way, the three departments of customer service, operation, and maintenance realized close communication and coordination. Through real-time monitoring of the latest data and close communication with heat source factories, dispatchers can adjust heating parameters in time according to changes in outdoor temperature, and ensure heat supply for people's well-being.

Improvement of the Economic Efficiency

In an effort to improve management efficiency, we have established and widely implemented a "daily scheduling" mechanism to comprehensively control coal prices and coordinate railway transportation capacity. By carrying out power marketing, engaging in mutual support between provinces in sales of spot goods and in emergencies, and increasing income while reducing expenditure, we aim to maximize benefits in all aspects.



Taking targeted measures to control and lower coal prices to generate greater benefits

Faced with huge pressure on operation brought about by high coal prices, Wangtan Power Generation Company made every effort to control coal prices while raising the prices of electricity and heat. Focusing on key points in the control of fuel costs, the company, targeting coal covered in long-term coal supply contracts, went all out to improve the coal recovery rate, the raw coal selection rate, and the comprehensive utilization rate of coal gangue and associated mineral resources. By refining its fuel procurement and transportation strategies, the company ensured continuous profit increases with a focus on profit growth points.







Solving the problem of coal shortages and high coal prices



Case Promoting power marketing and increasing electricity generation revenue

Focusing on the two significant aspects of electricity and fuel, we optimize our power generation strategy dynamically and strive to increase as much electricity generation revenue as possible. By continuously strengthening our marketing efforts and actively adapting to reforms in the power market, the Company has established a sound marketing system, optimized the trading mechanism, and formed a management system covering all the factors of electricity, heat, and coal, as well as quantity, prices, and fees.

29



Fujian Branch carries out exchange quotations in the electricity market



Taking multiple measures to increase income and reduce expenditure

Hebei Chengde New Energy Business Unit has made great efforts to repair old and recycle discarded equipment, including repairing imported yaw reducers, imported pitch reducers, and intelligent controllers of circuit breakers, thereby saving production costs. By improving the accuracy and efficiency of budget management, the business unit has strengthened the management of controllable expenses and realized all receivables. By adjusting the financing structure, lowering interest rates, applying for green bonds, replacing high-cost funds, etc., Hebei Chengde New Energy Business Unit managed to cut its financing cost.



Transmitting power to Sichuan and Chongqing to support local fight against power shortages

The disastrous weather of extremely high temperatures and drought precipitated Sichuan and Chongqing into severe power shortages. Under such circumstances, Weizhou Energy Company fully cooperated with the state's arrangements and carried out cross-regional emergent power transmission to assist the power grid in Sichuan-Chongqing region to cope with the difficult situation. The company supported the grid in coping with the peak demand in summer and guaranteeing power supply, and made every effort to ensure people's livelihood and meet the electricity demand of key industries.



Quality Service

Committed to offering high-quality power products and services, Dating Power has been following the pace of reforms in the power market, and strives to establish long-term and stable partnerships based on mutual trust and win-win. Always being customer-centric, we continue to improve our customer service mechanisms, including optimizing our customer service hotline and services on the official WeChat account. We examine our service quality and make timely correction, so as to continuously improve customer satisfaction and create a responsible brand image.



Virtual power plants explore new opportunities to benefit from "network-source-load-storage" model

Based on the background of the accelerated construction of the national unified electricity market, Datang Power has successfully built the five largest virtual power plant projects in the regions of Hebei South Grid and Beijing-Tianjin-Hebei Power Grid, realizing the transformation from "load following the source" to "source-network-load-storage collaborative interaction". From our own perspective, participating in grid peak regulation through the construction of virtual power plants has increased economic benefits. From the perspective of users, responding to the demand for grid peak regulation through the virtual power plant platform has resulted in additional benefits without changing the total electricity consumption. From the perspective of the grid, the stability, safety, and sustainability of the grid system have been improved, equipment investment has been reduced, and a win-win situation for economic and social benefits has truly been formed.



Ensuring high-quality power supply through meticulous control of indicators

Rejuvenating Through Innovation-driven Development

Focusing on innovation-driven development, we continue to strengthen research on core technologies, improve the system of innovation and development, and enhance the efficiency of commercialization and application of achievements. Giving full play to the role of enterprises at all levels as sources of innovation, we stimulate the development momentum of enterprises through technological innovation.







Patents obtained

55

Patents for invention

18

Industry standards, technological specifications formulated with our participation

R&D input intensity completed

3.4_%



Better Innovation System

We have established a sound innovation system, built an innovation platform, increased R&D investment, and improved innovation management mechanisms including intellectual property management, technology assessment and others. We also provide special rewards to those who actively participated in scientific research projects and patent applications as well as those who made industry achievements, unleash employees' innovation potential, and create a sound environment for innovation, contributing more technological assistance to promote the high-quality development of the Company.



Innovation platform unleashes the innovation potential of employees

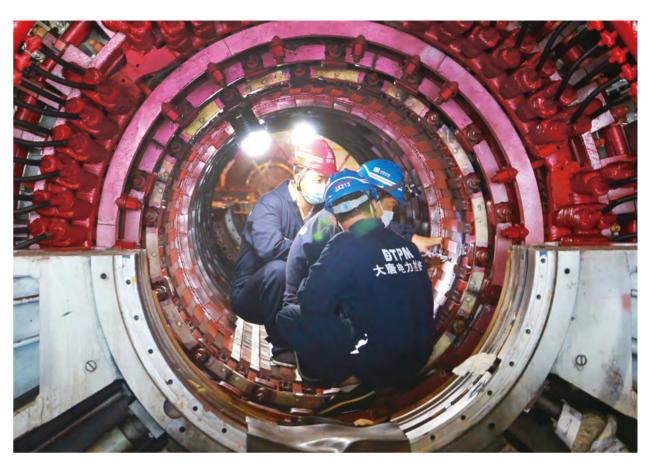
And the research achievements of the company won 21 central SOEs, industry and provincial quality science and technology achievement awards.

21

Zhangjiakou Power Generation Company set up an "innovation studio" and carry out activities such as technical training, learning guidance, and problem solving through giving full play to the leading role of innovation platform, so as to unleash the innovation potentials of young technical talents and build a demonstration platform for scientific and technological innovation talents. In 2022, the company was awarded the "Excellent Enterprise in Hebei Provincial Quality Management Group Activities" and "Excellent Electric Power Enterprise in Hebei Provincial QC Team Activities". And the research achievements of the company won 21 central SOEs, industry and provincial quality science and technology achievement awards.



The QC Team of Zhangjiakou Power Generation Company holds discussions on research topics



Wangtan Power Generation Company builds quality overhaul project at the frontline through on-the-job training and mentoring system

Improvement of Innovation Capabilities

We insist on implementing the strategy of strengthening the enterprise with talents in the new era, ramp up efforts to foster innovative talents, and actively carry out innovation and efficiency-enhancing competitions, so as to enhance the overall innovation capabilities of the Company. In 2022, we won one China Energy Innovation Achievement Award, one employee received the title of Technical Expert in China, one employee was granted the honor of Craftsman of Power Industry, sixteen employees received the title of CDT Technical Expert, twenty employees received the award of Highly Skilled Employee, three employees were awarded Provincial-level Technical Expert, and one was selected into the Central SOEs Craftsman Training and Support Program.



Heilongjiang Branch has carried out the vocational skills competition of "Efficiency-enhancing by Employees" for three consecutive years, integrated lean management ideas and methods into the whole management chain, and vigorously promoted "mutual assistance maintenance" to coordinate internal and external maintenance projects, as well as special work such as repairing and reusing obsolete equipment. In this way, new breakthrough has been achieved through providing cross-disciplinary assistance to wind power maintenance by thermal power staff, and a contingent of "Longjiang craftsmen" with excellent skills have been trained up.



Cultivating innovative talents through competitions

Regarding competition as a platform to stimulate employees' innovative vitality, Liaoning Branch holds various innovation competitions. Meanwhile, it offers training sessions such as spot trading, production optimization control, etc., carries out employee innovation activities and innovation and efficiency-enhancing projects, so as to achieve achievement application and technological innovation in the process of promoting training through competition.



Liaoning Branch holds vocational skills competitions

Advance of Application and Commercialization of Technology Achievements

The application and commercialization of scientific and technological achievements is the key link in promoting the transformation of science and technology into real productivity, and it plays an indispensable role in promoting high-quality development. We have established and improved the achievement transformation system, continuously enhanced the efficiency of achievement commercialization and application, and made solid efforts to promote the transformation of scientific and technological achievements and patents into productivity and facilitate the implementation of scientific research achievements.

It consumes 250,000 tons of biomass fuel (equivalent to 100,000 tons of standard coal)

250,000 to

reduce carbon dioxide emissions by 270,000 tons every year

270,000 tons



660MW supercritical coal-fired unit direct combustion coupling biomass power generation project put into production

Overcoming challenges such as lack of sophisticated experience for reference, system equipment integration innovation, fuel acquisition and storage, Anhui Branch has carried out technical transformation of 660MW coal-fired units by adopting the integrated technology of coal-fired units coupled with biomass power generation, and successfully put into production the first unit of biomass bulk material direct crushing and coal-fired coupling project in China. The unit can burn 40 tons of biomass straw per hour, and generate 230 GWh of green electricity every year. It consumes 250,000 tons of biomass fuel (equivalent to 100,000 tons of standard coal) and reduce carbon dioxide emissions by 270,000 tons every year, realizing efficient use of biomass energy such as straw in rural areas while optimizing the energy mix and promoting green and low-carbon transformation and development.



The innovative and intelligent construction site management platform

Qingshuihe New Energy Co., Ltd. has created a complete set of smart construction site management platform for wind power infrastructure project development, which integrates production performance, operation control, safety construction, and intelligent hardware monitoring. Trough in-depth study of wind farm GIS+BIM work management and technology application system as well as comprehensive application of GIS platform, terrain elevation data and BIM cloud platform and other technologies, the company has realized visual management of safety management charts and promoted the innovative management model for new energy infrastructure projects with digital, interconnected, intelligent and module-based platform. By doing so, the company has also explored an innovative infrastructure management model for the construction site management of the Group.



The construction site of Qingshuihe New Energy Project

Tuoketuo Power Generation Company has built a comprehensive smart energy management and control platform, to achieve intelligent monitoring, diagnosis, management and realize coordinated control of multiple energy sources by applying digital technologies such as cloud computing, big data, Internet of Things, mobile Internet, artificial intelligence.



Implementing the "Two Mountains" Theory in Protecting the Environment

We have firmly established and implemented the concept that clear waters and green mountains are as good as mountains of gold and silver, fully leveraged the leading role of energy and power enterprises in the building of a beautiful China, coordinated advance to decrease carbon, reduce pollution, promote green growth, and win the battle of the pollution prevention and the blue sky protection. We have strengthened lean control of air pollutants through active participation in regional ecological governance to achieve synergies in reducing emissions of pollutants and carbon.

ER 7





Invested in environmental protection

RMB million

25 generating units awarded the title of national thermal power

33.1%

Percentage of the installed capacity of clean energy

Coal consumption per kWh of power supply

290.82 gce

unit level of energy efficiency in 2022

Environmental Management

Datang Power improves the environmental management system on an ongoing basis by clarifying environmental management objectives as well as environmental risk control and environmental protection tasks, rigorously fulfilling the primary responsibility for energy conservation and environmental protection, and enhancing the capabilities to identify and prevent environmental risks. In 2022, the Company did not undergo any environmental incidents.

Measures for improving pollution risk management and control

Improving the environmental management system to standardize the management of environmental protection facilities.

The Company has completed the preparation and revision of a number of environmental management systems and plans, and strengthened supervision and inspection; formulated concrete measures, clarified responsibilities, and tightened implementation to ensure the effectiveness of environmental management.

Optimizing the emergency response mechanism for dealing with environmental emergencies.

The Company has standardized emergency preparedness and response procedures and regularly organized emergency drills to ensure that the response process is clear and well-coordinated, and that emergencies can be addressed in a timely and effective manner.

Bearing in mind the red line for environmental protection and ensuring the compliant discharge of pollutants.

The Company has further reduced the discharge of pollutants, and kept pollutant concentrations under control during the red alert periods, so as not to cross the red line for environmental protection.

Use of Resources

We strive to improve resource management capabilities, deeply integrate concepts such as circular economy and resource conservation into all aspects of production and operations, and continuously improve resource efficiency through various green technologies and lean management towards the goal of becoming a resource-saving and eco-friendly company.

Datang Power 2021 National Power Industry thermal power Unit energy efficiency benchmarking award list 1000MW ultra-No. 2 Unit of Leizhou (First Prize) No.7 Unit of Zhangjiakou (Second Prize) supercritical wet 300MW sub-critical No. 2 Unit of Leizhou (Second Prize) No.2 Unit of Zhangjiakou (Second Prize) cooling units No.8 Unit of Zhangjiakou (Third Prize) wet cooling units 600MW ultra-No.5 Unit of Tianjiaan (Third Prize) No.1 Unit of Lusigang (Third Prize) supercritical wet No.2 Unit of Harbin No.1 Thermal Power Plant (Second Prize) No.1 Unit of Dangtu (First Prize) No.1 Unit of Fengrun Thermal Power Plant 600MW Supercritical · No.2 Unit of Huaibei (Second Prize) (Second Prize) No.2 Unit of Wushashan (Third Prize) pure condensation · No 1 Unit of Jinzhou Thermal Power Plant (Third wet cooling unit No.1 Unit of Chaozhou (Third Prize) 300MW sub-critical Prize) No.2 Unit of Chaozhou (Third Prize) heating and wet · No.2 Unit of Zhangjiakou (Third Prize) No.4 Unit of Tuoketuo (First Prize) · No.10 Unit of Matou (Third Prize) 600MW sub-critical No.3 Unit of Tuoketuo (Third Prize) · No.2 Unit of Qingyuan Thermal Power Plant (Third wet cooling units No.2 Unit of Wangtan (Third Prize) No.4 Unit of Qitaihe (Third Prize) · No.2 Unit of Fengrun Thermal Power Plant (Third Prize) 600MW ultrasupercritical air No.9 Unit of Tuoketuo (Second Prize) 300MW sub-critical · No.4 Unit of Yungang (Third Prize) air cooling units

Management measures for resource conservation

Strengthening lean management.

Improving the process management of energy consumption through lean control of generating unit startup and shutdown, benchmarking of key economic indicators, and supervision over key abnormal indicators, etc., thereby reducing controllable consumption and overall energy consumption.

Implementing closed-loop management of

Appointing professionals in the system to conduct inspections of the Company's operations, identify problems hindering the economic performance of the Company, and conduct closed-loop rectification management while providing necessary support.

Conducting economic load dispatch with all efforts.

In response to the adverse effects brought about by the unbalanced regional power load structure, carrying out power structure transfer and load optimization within the Company's system to increase the efficiency of low-energy consumption units and reduce overall energy consumption.



Pursuing low-carbon development with every effort

The Combined Heat and Power (CHP) Pilot-scale Testing Project Using Hydrogen from Biomass, a key project in the pursuit of innovative green and lowcarbon development of Anhui Branch of Datang Power, was successfully "ignited." After it is put into operation, the project can produce 110,000m3 of 7Nm3/h hydrogen per year, with the purity reaching 99.99%. The hydrogen produced can be used for fuel cell power generation and various commercial hydrogen energy projects, and its energy efficiency can reach above 90%.

Pollutant Management

We continue to improve the comprehensive management of waste discharge, and have formulated strict measures to prevent and control air and water pollution. At the same time, we have further promoted the comprehensive treatment of flue gas emissions to keep the total emissions of sulfur dioxide [S02] and nitrogen oxides (NOx) under stringent control.



Key Performance

Total water consumption

178.9483 million tons

Comprehensive water consumption per kWh of

Total oil consumption

6,300 tons

Oil consumption per GWh of power generated

0.0282 tons 60.5735 million tons

Comprehensive power consumption rate

5.67%

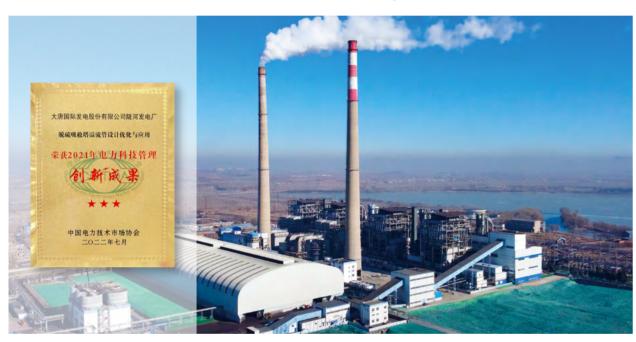
Pollution prevention and control

We have intensified efforts to prevent and control environmental pollution. For example, we have carried out the ultra-low emission transformation and denitrification of environmental protection facilities, and enhanced employees' awareness of their environmental responsibilities. Meanwhile, we have actively promoted comprehensive, systematic and sources-related efforts to improve the ecological environment.



Progress in pollution abatement

Based on the operating characteristics of the generating units, Hebei Qingyuan Thermal Power Company has issued documents such as the *Technical Measures for Ensuring Compliance with Environmental Indicators, Technical Measures for Start-up Optimization of Removal Systems*, and *Technical Measures for Eco-friendly and Economical Operation*. The Company's nitrogen oxides in 2022 decreased significantly compared with the same period in 2021, and the performance values of sulfur dioxide, nitrogen oxide and soot emissions are all better than the annual target values.



Hebei Douhe Power Plant's technical achievement "Design Optimization and Application of Desulfurizing absorption tower overflow pipe" was awarded the 2021 Power Technology Management Samsung Innovation Achievement Award by China Electric Power Technology Market Association.



An analyst of Datang Wu'an Power Generation Co., Ltd. tests coal quality to ensure that pollutants from coal combustion meet environmental standards.



Hebei Matou Power Plant improves the maintenance of environmental facilities to ensure that their environmental parameters meet the standards.

Energy conservation and emission reduction

We strive to save energy and reduce emissions, and continue to improve energy management capabilities. For instance, we have formulated and implemented a series of measures for energy conservation and emission reduction, and enhanced publicity to improve employees' energy-saving awareness.



Advocating green office and low-carbon transport

To ensure the implementation of measures for energy conservation and emission reduction, Datang Power has taken concrete actions to shit to green office. For example, the Company has held more video conferences, and promoted electronic office and approval with the OA system to effectively reduce the use of paper; optimized lighting management, and used energy-saving lamps as well as sound control and light control equipment to reduce the waste of electricity. The Company also encourages employees to take green transport, such as taking public transport or riding bicycles.



Inner Mongolia Tuoketuo Power Generation Company publicizes green and low-carbon lifestyles among employees.



China's first UF+SWR0 seawater desalination system in service

Hebei Wangtan Power Generation Company produces 600,000 tons of fresh water on average every year

With the first UF+SWRO seawater desalination system put into operation in China, Hebei Wangtan Power Generation Company produces 600,000 tons of fresh water on average every year, playing an exemplary role in alleviating the shortage of water resources in Tangshan. By vigorously promoting the construction of a water-saving enterprise, the company has become one of the industry leaders in terms of comprehensive water consumption for power generation and industrial water reuse rate.





Hebei Wangtan Power Generation Company is self-sufficient in water for electric power production through the use of the desalination system.

Addressing Climate Change

We strive for progress towards the carbon peak and neutrality goals (China's 30-60 Decarbonization Goal), and have conducted research on pathways to carbon peak and carbon neutrality. By implementing carbon asset management measures, and conducting research and development of carbon capture technologies as well as transactions in the carbon market, we have laid a solid foundation for achieving the carbon peak and neutrality goals and responding to climate change.



CO2 emissions were reduced by 8.75282 million tons, down 4.36 % year on year, and the CO2 emission rate was 817.8 g/kWh



The timing for peaking carbon emissions and long-range objectives of Datang Power

We have formulated the Outline for the 14th Five-Year Plan for Development and Long-Range Objectives through the Year 2035 of Datang International Power Generation Co., Ltd., which clarifies our timing for peaking carbon emissions and long-range objectives, and provides guidance for us to step up efforts to make structural adjustments.



Timing for peaking carbon emissions:

By 2025, Datang Power will achieve leapfrog development in renewable energy and the goal of peaking carbon world-leading listed energy company that is green and low-carbon.

Long-range objectives:

By 2035, Datang Power will steadily reduce carbon dioxide emissions, and realize the integrated development of "wind power, solar power, hydropower, thermal power, and emissions, and complete the transition hydrogen storage," as well as the efficient coordination from a traditional power company to a of multiple energy sources with "power grid, load, energy storage, and energy consumption." The Company will become a world-class green and low-carbon energy supplier characterized by "multi-energy complementary, efficient coordination, and digital intelligence," and a worldleading listed energy company.



Improving carbon emission management in response to climate change

Datang Wu'an Power Generation Co., Ltd. focuses on the improvement in carbon emission management, and actively plans for coping with risks brought by climate change. Referring to the latest versions of *Guidelines* for Enterprise Greenhouse Gas Emission Accounting and Reporting and Technical Guidelines for Enterprise Greenhouse Gas Verification, the company has compiled annual data quality control plan to standardize the whole process of data collection, sampling, and evidence collection for carbon emission reporting. The company has also cooperated with relevant departments in completing the collection and verification of its annual carbon emission data.



Beijing Datang Fuel Co., Ltd. organizes a video training session on peaking carbon emissions and realizing carbon neutrality.

Biodiversity Conservation

To contribute to ecological sustainability, Datang Power actively implements the concept of enhancing ecological conservation in the new era, continues to improve biodiversity protection measures and solutions, and carries out ecological restoration and environmental publicity.



Protecting rare fish species through fish stocking

Sichuan Ganzi Hydropower Company releases 480,000 rare fish annually in the reservoir areas of the Changhe Dam and the Huangjinping Hydropower Station, including myxocyprinus asiaticus, procypris rabaudi, sinilabeo rendahli, spinibarbus sinensis, onychostoma simus. Through fish stocking, the company has effectively increased the quantity and quality of fish species in the reservoir areas. It has also made breakthroughs in the research on artificial propagation of fish. Up to now, the company has released a total of 1.7 million Schizothorax prenanti and about 930,000 Schizothorax davidi.



Sichuan Ganzi Hydropower Company releases rare fish in the reservoir areas of the Changhe Dam and the Huangjinping Hydropower Station.



Animal husbandry and light complement each other to create a new model of ecological breeding

Huogulong Photovoltaic Power Station of the new energy branch of Datang Sichuan Power Generation Co., Ltd explores the mode of combining agriculture, animal husbandry and light, carries out ecological breeding and agricultural cultivation in the photovoltaic power station, promotes the comprehensive and efficient use of land. By doing this, the photovoltaic power station has not only reduced the shade of weeds on the photovoltaic modules, improved power generation efficiency, eliminated forest and grassland fire hazards of the photovoltaic power station, but also realized the increase of the output of agricultural products such as potatoes, sweet potatoes and fresh vegetables. It is of great significance to promote the sustainable development of agriculture and animal husbandry.



Ecological farming conducted by the Huogulong Photovoltaic Power Station of the new energy branch of Datang Sichuan Power Generation Co., Ltd.



Ensuring Work Safety to Lay a Solid Foundation for Development



Safety Management

Focusing on improving the safety management system and management capabilities, we have optimized the policies and regulations on safety management, and strengthened refined management to ensure that the responsibilities for safety are fulfilled at every level. We have also classified and graded safety risks, controlled risks throughout the whole process, and made adequate preparations in advance to consolidate the foundation for work safety.



Datang Power holds the special meeting of the 20th CPC National Congress Power Protection and fourth (expended) meeting of the Work Safety Committee.



Hebei Tangshan Thermal Power Company holds an opening ceremony for the "Work Safety Month" campaign where employees sign their names on the campaign's banner.



Caca

Zhejiang Branch enhances the "double insurance" for work safety

Firmly believing that "safety hazards always exist; risks can be controlled, and accidents can be avoided," Zhejiang Branch has taken further steps to build a dual prevention system to reinforce the line of defense against safety risks. The branch has continued to improve the hierarchical control list of operational risks to ensure that all risk points are under control, and has further integrated the hierarchical control of daily plans, the "dual permission" system, the defect system, planned maintenance, etc. Moreover, the branch has accelerated the transformation of its work safety management model from post-event accountability to pre-event prevention and in-event control, ensuring the effectiveness of the work safety guarantee and supervision system.

Safety Culture

We have built a safety culture in a solid and meticulous manner, established a long-term mechanism for legal education on work safety, and carried out a series of activities on work safety, such as the weekly safety day, "Beneficiaries of Work Safety," discussions on thoughts and ideas, and lectures on typical cases about work safety, etc. We have also cooperated with families and enterprises in carrying out anti-violation education to further enhance employees' safety awareness. Regarding safety training, we have organized regular training on rescue methods and the use of safety tools and devices, and launched innovative simulation-based experiential training; meanwhile, we have addressed the deficiencies in safety training to enhance its effectiveness, and created a sound safety atmosphere.



] Hebei Zhangjiakou New Energy Business Unit strengthens publicity on work safety

Under the theme of "obeying the Law on Workplace Safety and being the primary person in charge," Hebei Zhangjiakou New Energy Business Unit has launched the "Work Safety Month" and "Work Safety Circuit" campaigns, where the unit required all officials and employees to study and implement General Secretary Xi Jinping's important instructions on work safety, and conducted work safety seminars and lectures as well as rescue skills tests. By hanging and pasting safety-related banners and posters, and displaying safety content on electronic displays and bulletin boards at various stations and project departments, the unit has further enhanced employees' safety awareness and created a strong safety atmosphere.



Gaojing Thermal Power Plant conducts a natural gas leakage emergency drill.



Hebei Xiahuayuan Thermal Power Company conducts an emergency drill for heat supply.



Hebei Baoding Thermal Power Plant carries out a learning activity during the "Work Safety Month."



The work safety experiential learning center of Chongqing Wulong Hydropower Company



Hebei Zhangjiakou Thermal Power Company sets off publicity week on the *Law on Workplace Safety*

2022 Social Responsibility Report Ensuring Work Safety to Lay a Solid Foundation for Development

Safe Operation

Always putting safe operation first, we have strengthened the management of high-risk operations, and pressed ahead with the construction of "smart construction sites" with strengthened violation management and more standardized site management. Meanwhile, we have strengthened the management of hazardous chemicals by preventing risks from the source and implementing closed-loop control, thereby eliminate all risks to work safety.



Douhe Power Plant has created a new record of safe and stable operation lasting 6,836 consecutive days.



Case Tightening the management of hazardous chemicals

Datang Power strictly implements the accountability system for managing the sources of danger, clarifies the responsibility boundaries throughout the whole process, and strengthens the supervision over hazardous chemicals with the safety management and control information platform. We also organizes the safety supervision department, relevant business support departments, and the technical support department to carry out the investigation and management of hazardous chemicals according to the "five requirements" on hazard rectification, and ensure that deficiencies are solved immediately. To enhance the management of hazardous chemicals, we have also compiled cases of chemical accidents, conducted deterrence education, and appointed enough professional personnel to the management of hazardous



Shanxi Branch carries out maintenance of the photovoltaic power station to ensure its safe, stable and efficient operation.



Chongqing Pengshui Hydropower Company strictly monitors dam safety.



Beijing Gaojing Thermal Power Company upgrades the video surveillance system.



Upholding the concept of win-win cooperation, we are committed to being the most reliable partner. Adhering to the people-oriented philosophy, we fully respect and care for employees, actively fulfill the responsibility of corporate citizenship, vigorously promote harmonious development of society by giving full play to our own strength, and share a bright future with stakeholders.









Invested in rural vitalization

14.999 million

111

Invested in employee training

40.0694 million



100 %

Win-Win Cooperation

We actively establish open platforms for communication and exchange, expand cooperation space, deepen cooperation intensity and enrich cooperation contents, and joint hands to write a new chapter of development through fostering good relationship based on collaborative endeavor, mutual reinforcing and shared benefits.

Intensifying cooperation and collaboration

We expand our cooperations with the governments of Beijing, Inner Mongolia Autonomous Region, Hebei Province and other places, deepen our collaborations with Dongfang Electric Corporation (DEC), China Communications Construction Corporation (CCCC) and other enterprises and research institutions, inject endless driving force for the upgrading of the energy industry, and fully support and serve the local economic and social development.



Liaoning Branch and Shenyang Institute of Applied Ecology, Chinese Academy of Sciences deepen cooperation for a win-win future

Taking advantage of development opportunities such as the national ecological civilization strategy and the "30-60 Decarbonization Goal" strategy, Liaoning Branch relies on its project development and operation experience in the fields of thermal energy supply and new energy development to actively adapt to the changes in the energy market. Giving full play to the advantages of Institute of Applied Ecology in the fields of carbon emission reduction and carbon sinks increase, and the three-dimensional "new energy + industry", Liaoning Branch advances the cooperative development of new energy projects with Institute of Applied Ecology to promote the integration of energy industry with technology innovations of ecological civilization, and work together to make greater contributions to the realization of China's "30-60 Decarbonization Goal" strategy.



Liang Yongpan, Chairman, Party Secretary, and General Manager of Datang Power meets with Chairman of Hengfeng Bank



Tuoketuo Power Generation Company intensifies government-enterprise cooperation and signs cooperation agreements with Hohhot Municipal Government and Futai Heating Supply Company

Strengthening supplier management

In order to improve the long-term mechanism for supplier management, we include the certification of supplier quality management system, environmental management system, and occupational health and safety management system in business scoring items, clearly require labor outsourcing project suppliers to fulfill relevant requirements for labor protection in accordance with the law, and strengthen internal inspections to regulate suppliers behavior. We also strengthen our cooperation with large coal mines, improve the fuel pricing mechanism, and strive to create a stable and reliable supply chain.



Hebei Tangshan Thermal Power Company joins hands with partners to guarantee supply

In the face of the shortage of fuel transportation, bulk materials and consumables, Tangshan Thermal Power Company actively communicated with various suppliers, strengthened contact and coordination with local governments and relevant units to ensure the supply of fuel, bulk materials and consumables in a timely manner, and successfully guaranteed the sufficient supply of "rations" during the heating extension period, providing strong support for winning the anti-pandemic battle and guaranteeing supply.

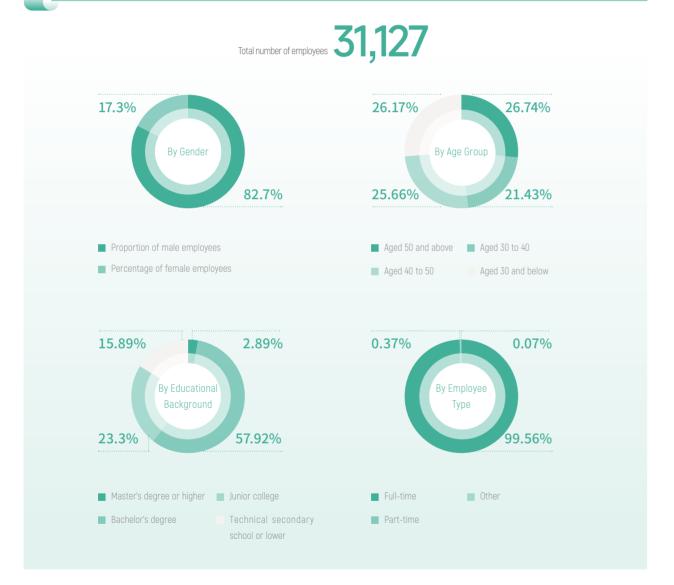


Carefully carries out material procurement

Employee Development

We take concrete actions to protect the basic rights of employees. Implementing the strategy of strengthening the enterprise through talents, we comprehensively build and enhance the talent team in various fields, deepen the building of "Happy Datang" initiatives, and continue to improve employees' sense of fulfillment, happiness, and security. In 2022, the social insurance coverage rate for employees was 100% at Datang Power and 100% of employees joined labor union.

Basic situation of staff structure in 2022



Safeguarding the basic rights of employees

Protecting rights.

Adhering to the principle of equal pay for equal work for men and women, we prohibit any form of employment discrimination or forced labor. We standardize employment procedures, establish and improve labor contract system, and pay social insurance in accordance with the law, so as to effectively safeguard the rights of employees. In 2022, we employed 1,649 ethnic minority employees and 84 disabled employees

Democratic management. We improve the system of employee representative conferences and factory affairs disclosure, and support employees to participate in democratic management. We maintain open channels for employees to express their concerns, and fully ensure employees' rights to be informed, to participate, to be heard, and to oversee.

Compensation and benefits.

We improve the management systems such as the total salary method and the salary payment method, and improve the internal distribution system, and fully protect employees' benefits by establishing a multi-level social insurance system.

Occupational

We engage a professional testing agency to test the occupational disease hazard factors in the operation process, carry out the "Law on Prevention and Control of Occupational Diseases" publicity week activities, and build a solid defense line for occupational health. In 2022, a total of RMB 26.126 million was invested in occupational health, the occupational health and safety knowledge promotion and training covered 57,755 person-times, and the coverage rate for employees received health examinations was 100%









2022 Social Responsibility Report Gathering the Win-Win Synergy to Empower the Bright Future

Building talent workforce

We accelerate the implementation of the talent-strong enterprise strategy, improve measures for talent introduction, competition for positions, and salary incentives, attract and retain talents. Implement the "excellent talent" training plan, promote the construction of an excellent engineer team, and accelerate the training of young talents. Continuously deepen the multi-channel construction of "business functions, production technology, and production skills", and broaden the development space for talent careers. In 2022, we organized and carried out 12,550 training projects, covering 665,452 person-times, and the coverage rate for employee training was 100%.



An average of 98 hours of training received by each employee

98 hours

RMB 40.0694 million invested in employee training

RMB 40.0694 million

In 2022

In the internal trainer competition of Power Industry and the pricing staff competition of power industry, three employees were awarded Technical Expert and four employees were granted the honor of Practitioners of the Power Industry with Outstanding Skills

Zhangjiakou Power Generation Company conducts technical explanation training at the production site



Enriching Employees' Live

We actively organize featured cultural activities such as online brisk walk, collection and display of calligraphy, painting and photography works, cultural performances, and image improvement for female employees to enrich the cultural life of employees. We carry out the "Five Blessings" scheme, the activities of "Sending Coolness" and "Sending Warmth", increase visits and assistance to employees in special periods such as birthdays, marriages and births, illnesses and hospitalizations, and retirement at the legal age, and provide targeted heartfelt care to our employees.



Beijing Gaojing Thermal Power Plant build a self-study room for employees through the "Five Blessings" scheme



Suihua Thermal Power Company launches the theme flower arrangement activity of "Blooming Spring Blossoms, Poetic Flower Art" on the March 8th Women's Day



Wangtan Power Generation Company gives Spring Festival Scrolls away as gifts to celebrate the Spring Festival with employees



Tuoketuo Power Generation Company holds basketball match



Fengrun Thermal Power Company carries out the activity of "caring for the frontline staff, working together, being a good family member, facilitatinging three guarantees and one increase"



The "Together to the Future" gesture dance of Beijing Gaojing Thermal Power Plant was shown and broadcasted on Beijing TV Station, "xuexi.cn" App and other platforms

Rural Vitalization

In 2022, we provided RMB 14.999 million rural vitalization assistance funds.

RMB 14.999 million

We make solid efforts to promote rural vitalization, deepen the "Three Supports and Three Truths, Five-sphere Integrated" assistance system with characteristics of Datang Power, and improved the mechanism of "ensuring responsibilities fulfillment at all level", facilitate to build rural areas with thriving businesses, pleasant living environments, social etiquette and civility, effective governance, and prosperity, painting a new picture of rural development. In 2022, we provided RMB 14.999 million rural vitalization assistance funds.



Yunnan Power Generation Company caring for children's dreams with love

Yunnan Power Generation Company carried out the "One Blue Sky, One Dream" love donation activities. They purchased books, toys and other cultural and sports items, then sent theses "loving packages" with attached wishes and messages to the Shudi Primary School of Songping Township, Yongsheng County, Lijiang City, Yunnan Province. By delivering these packages to the hands of poor children of Lisu minority ethnical groups in primary schools, they have provided practical support and warmth to these poor kids in the mountainous areas with small acts of charity.

Sponsoring education to vitalize villages with talents.



We carry out "sponsoring education with care and support cultural endeavors", provide special education aid to children from extremely poor families, offer targeted scholarships to students admitted to high schools, vocational schools and universities, and encourage poor students to study hard and pursue academic progress

Supporting Rural Vitalization Initiatives

Supporting people's livelihood to realize common prosperity.



We help expand village committees, install heating devices for winter and lighting facilities in village, renovate and beautify courtyard walls, and improve infrastructure

Providing employment assistance to achieve steady income increase.



We actively provide recruitment information, give priority to the use of local labor in new projects sunder construction and outsourcing projects, and solve employment problems for villagers



Qingyuan Thermal Power Company supports farms by driving consumption.

Zhangjiakou Power Generation Company built the "Benefit Project" and completed the "North Street Drinking Water Pipeline Replacement Project" in Nanluotuo'an Village, which solved the problem of drinking water guarantee for nearly 100 villagers

Community Development

We actively participate in public welfare activities and have successfully completed the "Winter Olympics" volunteer service tasks, We contribute to the harmonious development of society through continuously innovating volunteer service models. During the Beijing Winter Olympics, a total of 61 volunteers from Beijing and Zhangjiakou areas participated in the Winter Olympics volunteer services.



Case Gaojing Thermal Power Plant provides Beijing 2022 volunteer services

Upholding the idea of "Winter Olympics making communities better", Beijing Gaojing Thermal Power Plant signed a co-construction agreement with the first Winter Olympics community in Beijing, and actively participated in activities such as the theme song MV of the Winter Olympics community, recording of promotional videos, and cultural wall mural painting. The company organized three Winter Olympics guarantee volunteer team comprising of party members to provide volunteer services such as newspaper translation, public welfare English lectures, civilized publicity for the community, and was awarded the Winter Olympics "Youth Pioneer Commando" badge by the Youth League Committee of Shijingshan District, Beijing



Gaojing Thermal Power Plant actively carries out Winter Olympics volunteer service



 $\hbox{``Help a little''} \ volunteers \ of \ Tangshan \ Thermal \ Power \ Company \ carry \ out \ voluntary \ services \ for \ the \ elderly$



"Volunteers in Blue" of Datang Power maintain traffic order



Ganzi Hydropower Company go all-out to support earthquake relief in Luding, Sichuan Province

Outlook

The year 2023 marks the starting point to fully implement the guiding principles of the 20th National Congress, and it is also a crucial year for the continuous implementation of the 14th Five-Year Plan. Guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we will thoroughly implement the guiding principles of the 20th CPC National Congress, make improvements against benchmarks, enhance quality and efficiency, and pursue innovation-driven development. We will seek pivotal progress in management improvement, structural adjustment, breakthrough and difficulty relief in coal chemical industry, and major risk resolution and keep strengthening intrinsic safety, R&D and innovation, digital intelligence, management improvement, talent team building, and Party building on all fronts. We will ramp up efforts to make progress in various key tasks throughout the year while ensuring stability, set off for another journey of new undertakings, and strive to write a new chapter of high-quality development with new accomplishments and new endeavors.

Ensuring energy supply

- We will prioritize the power supply and heat supply tasks to safeguard people's livelihood as well as economic and social development with high-quality, safe and reliable energy supply
- We will fully understand customer needs strengthen classification-based, tiered region-specific customer management, and continuously improve customer service.

Pursuing innovation-driven development

- We will improve the innovation-drive development system, perfect the syster and mechanism, and give full play to the role of enterprises at all levels as source of innovation.
- We will push forward projects such as the "cloud computing, big data, Internet of Things, mobile Internet, artificial intelligence and block chain", smart spot inspection and scheduled repair system, continue projects such as digital warehousing and smart fuel, and advance digital and smart projects.

Practicing green and low carbon development

- We will implement the integrated coalmining and power generation enterprises projects, realize the optimization and transformation of old factories and push forward the transformation and development of coal-fired power projects
- We will make all-out effort to build the projects of optimizing market layout, industry structure, assets quality and talent team, expedite the integrated application of sophisticated and advanced new technologies, and comprehensively enhance the quality and efficiency of newly invested new energy projects.

Keeping the bottom line of safety

- We will improve the two-level safety management system, strengthen the concept of "comprehensive safety", and promote the effective operation of the three systems of "guarantee, supervision and technological support".
- We will strengthen the establishment of the two systems of infrastructure, step up effort to ensure the safety of the construction site, and firmly prevent any injury or fatal accident.

Gathering the win-win synergy

- We will implement the strategy of empowering the company with talents, improve the mechanism of talents recruitment, concentration, utilization and care, so as to create a talent pool to barge talents of different aspects to the forefront
- We will intensify the practical cooperatio with the government, enterprises, an banks in multiple fields to create a innovative win-win relationship in the never
- expanding the achievements of poverty alleviation, and make all-out efforts to serve the rural vitalization. We will actively participate in public welfare activities and practice the concept of serving the people to contribute to a harmonious community.



Key Performance

Economic

| Indicator | Unit | 2020 | 2021 | 2022 |
|----------------------------|-------------|---------|---------|---------|
| Net profit | RMB billion | 5.316 | -11.896 | -0.871 |
| Total assets | RMB billion | 280.3 | 296.0 | 305.1 |
| Revenue | RMB billion | 94.0 | 101.5 | 114.6 |
| Electricity generation | TWh | 272.6 | 272.9 | 261.9 |
| Total installed capacity | MW | 68,278 | 68,770 | 71,024 |
| Market electricity | TWh | 150.588 | 170.540 | 199.709 |
| On-grid power | TWh | 254.8 | 257.7 | 246.9 |
| Proportion of clean energy | % | 29.4 | 30.27 | 33.1 |

Social

Employee development

| Indicator | Unit | 2020 | 2021 | 2022 |
|--|------------|--------|--------|--------|
| Number of on-job employees | - | 33,340 | 32,641 | 31,127 |
| Number of female employees | - | 6,044 | 5,793 | 5,366 |
| Number of minority employees | - | 1,675 | 1,650 | 1,649 |
| Employee turnover rate | % | | 4.2 | 3 |
| | % | 100 | 100 | 100 |
| Social insurance coverage | % | 100 | 100 | 100 |
| Employee physical examination coverage | % | 100 | 100 | 100 |
| Staff training funds | RMB 10,000 | 6,599 | 9,982 | 4,007 |
| Average training hours per employee | hour | 89.6 | 91.5 | 98.0 |
| Trade union membership rate | % | 100 | 100 | 100 |

Environmental

| Indicator | Unit | 2020 | 2021 | 2022 |
|---|-------------|----------|----------|----------|
| Total CO ₂ emissions | 10,000 tons | 23,298 | 20,071 | 19,196 |
| Direct CO ₂ emissions | 10,000 tons | 23,290 | 20,067 | 19,186 |
| Indirect CO ₂ emissions | 10,000 tons | 7.8 | 3.79 | 9.7 |
| CO ₂ emission rate | g/kWh | 765.8 | 865.6 | 817.8 |
| Total NO _x emissions | 10,000 tons | 3.033 | 3.083 | 2.770 |
| ${\rm NO}_{\rm X}$ emission rate | g/kWh | 0.13 | 0.124 | 0.12 |
| Total SO ₂ emissions | 10,000 tons | 1.776 | 1.767 | 1.610 |
| SO ₂ emission rate | g/kWh | 0.070 | 0.071 | 0.070 |
| Total dust emissions | 10,000 tons | 0.273 | 0.272 | 0.250 |
| Dust emission rate | g/kWh | 0.011 | 0.011 | 0.011 |
| Total fly ash emissions | 10,000 tons | 3,159.11 | 3,303.88 | 3,369.70 |
| Comprehensive utilization rate of fly ash | % | | 69.22 | 65.31 |
| Total gypsum emissions | 10,000 tons | 549.53 | 585.82 | 564.04 |
| Comprehensive utilization rate of gypsum | % | | 74.32 | 80.02 |

Main energy consumption indicators

| Indicator | Unit | 2020 | 2021 | 2022 |
|--|-------------|-----------|-----------|-----------|
| Total water consumption | 10,000 tons | 20,656.69 | 17,250.29 | 17,894.83 |
| Water consumption of per kWh of power generated | kg | 0.86 | 0.85 | 0.80 |
| Total oil consumptio | 10,000 tons | 0.74 | 0.76 | 0.63 |
| Oil consumption of per GWh of power generated | ton | 0.0306 | 0.0376 | 0.0282 |
| Comprehensive power consumption rate | % | 5.52 | 5.51 | 5.67 |
| Standard coal consumption | 10,000 tons | 6,392.04 | 6,442.21 | 6,057.35 |
| Coal consumption per kWh of power supply | gce | 293.17 | 291.72 | 290.82 |

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ESG Reporting Guide Index

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| | KPI A1.2 | √ | P39 P42 P67 | |
| A1: Emissions | KPI A1.3 | √ | P67 | |
| | KPI A1.4 | √ | P67 | |
| | KPI A1.5 | √ | P43 | |
| | KPI A1.6 | √ | P38-39 | |
| | General Disclosure | √ | P18-19 P34 P38-39 P42 | |
| | KPI A2.1 | √ | P37 P39 P67 | |
| 40.11 (5 | KPI A2.2 | √ | P39 P67 | |
| A2: Use of Resources | KPI A2.3 | √ | P18-19 P38-39 | |
| | KPI A2.4 | √ | P42 | |
| | KPI A2.5 | | | There is no need to consider packaging materials for electrical products. |
| A3: The Environmental and Natural Resources | General Disclosure | √ | P38 P39 P40 P41 P42-43 | |
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| A / Ol: Ol | General Disclosure | | | |
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| Aspect | Indicator | Disclosure | Report Page | Notes |
|--------------------------------|--------------------|------------|-------------------|--|
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| | General Disclosure | √ | P57 | |
| | KPI B5.1 | | | |
| B5:Supply Chain Management | KPI B5.2 | | | |
| . idilagonioni | KPI B5.3 | √ | P55 | |
| | KPI B5.4 | √ | P55 | |
| | General Disclosure | √ | P48 P49 P50-51 | |
| | KPI B6.1 | | | Power generation enterprises mainly ensure the safe and reliable supply of electricity |
| B6:Product | KPI B6.2 | | | *************************************** |
| Responsibility | KPI B6.3 | √ | P32 | |
| | KPI B6.4 | | | Power generation companies do not have product testing and recycling situations. |
| | KPI B6.5 | | | |
| | General Disclosure | √ | P8 P10 | |
| B7:Anti-corruption | KPI B7.1 | | | |
| | KPI B7.2 | √ | P8 | |
| | KPI B7.3 | √ | P10 | |
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| B8:Community Investment | KPI B8.1 | √ | P61 P62-63 | |
| | KPI B8.2 | √ | P53 P60 | |

Feedback

Dear Readers,

| Thank you for taking time to read Da | tang Power's 2022 Social Responsibility | Report (Environmental, Social and Gov | ernance Report). To improve ou | | | | |
|--|--|---------------------------------------|--------------------------------|--|--|--|--|
| performance and our next report, we hope you can give us some feedback on the following aspects: | | | | | | | |
| Choice questions (Please tick in the corresponding option) | | | | | | | |
| 1.Which type of stakeholder are you? | | | | | | | |
| Government | □ Investor | ☐ Partner | ☐ Peer | | | | |
| ☐ Employee | ☐ Customer | ☐ Community and the public | ☐ Media | | | | |
| ☐ Supplier / contractor | □NGO | ☐ Others | | | | | |
| 2. What do you think of Datang Power' | 's social responsibility performance? | | | | | | |
| ☐ Very good | Good | ☐ Average | Poor | | | | |
| 3. What is your overall impression of t | he Report? | | | | | | |
| ☐ Very good | Good | ☐ Average | ☐ Poor | | | | |
| 4. How about the quality of social resp | oonsibility information disclosed in the r | eport: | | | | | |
| ☐ Very good | Good | ☐ Average | Poor | | | | |
| 5. How about the report structure? | | | | | | | |
| ☐ Very good | Good | ☐ Average | Poor | | | | |
| 6. What do you think of the layout design and presentation of the report: | | | | | | | |
| ☐ Very good | Good | ☐ Average | Poor | | | | |
| 7. Is there any suggestion on our CSR performance? | | | | | | | |
| 8. What kind of additional information do you expect to see in the Report? | | | | | | | |

About This Report

This is a CSR report publicly disclosed by Datang Power, aiming to respond to the expectations of stakeholders and disclose the Company's sustainability concept, management and results in fulfilling economic, social and environmental responsibilities.

Reporting Scope

Organization Scope: unless otherwise specified, this report covers Datang International Power Generation Co., Ltd. and its branches.

Reporting period: the period from 1 January 2022 to 31 December 2022, and some contents are beyond the above scope.

Reporting Cycle

This is the 15th annual CSR Report published by Datang Power

Basis of Compilation

This Report is prepared in accordance with the *Guidelines to the Central State-owned Enterprises Directly under the Central Government on Fulfilling Corporate Social Responsibilities* issued by the State-owned Assets Supervision and Administration Commission of the State Council (SASAC), the *Environmental, Social and Governance Reporting Guide* of The Stock Exchange of Hong Kong Ltd.(ESG Reporting Guide), *Rules Governing the Listing of Stocks on Shanghai Stock Exchange* (revised in February 2023), the *Guidelines No. 1 for Self-Regulation of Listed Companies—Standardized Operation of Listed Companies* released by the Shanghai Stock Exchange, and the *Guidelines on Disclosure of Environmental Information by Listed Companies* of Shanghai Stock Exchange(SSE) and the *GRI Sustainability Reporting Standards* (GRI Standards) issued by the Global Sustainability Standards Board (GSSB).

Data Sources

All data in the Report is taken from Datang Power's official internal documents and statistics. All currency amounts are reported in RMB, unless otherwise stated.

References to Datang Power

In the report, "Datang International Power Generation Co., Ltd." is also referred to as "We" "the Company", and "Datang Power". " CDT or the Group company" refers to "China Datang Corporation Ltd."

Release Form

This report is published in both printed and online versions, and the online version is available on the Company's website (http://www.dtpower.com/).

Access to the Report

The report is available in both Chinese and English. For a hard copy, please contact:

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