

2025

Environmental, Social and Governance (ESG) Report of China Coal Energy Company Limited



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About This Report

Report Summary

2025 Environmental, Social and Governance (ESG) Report of China Coal Energy Company Limited, which mainly provides information in respect of, among other things, environmental protection, social contributions and corporate governance of the Company in 2025, and aims to enhance communication and contact with various stakeholders.

The Company has published 17 annual corporate social responsibility reports in aggregate since it issued its first corporate social responsibility report. To further satisfy the information disclosure requirements for listed companies, the Company has issued its environmental, social and governance reports since 2021.

Range of Period

From 1 January 2025 to 31 December 2025. To increase the comparability of the report, certain contents may date back to previous years where applicable.

Scope of Reporting

This report covers China Coal Energy Company Limited and its subsidiaries (branches).

Reporting Basis

This report has been prepared by following the requirements of the *Guidelines No. 14 for Self-Regulation of Listed Companies—Sustainability Report (Trial)* and the *Guidelines No.4 for Self-Regulatory Supervision on Listed Companies—Compilation of Sustainable Development Reports* issued by the Shanghai Stock Exchange, and the *Environmental, Social and Governance (ESG) Reporting Guide* issued by The Stock Exchange of Hong Kong Limited; implementing the *Corporate Sustainability Disclosure Standards—Basic Standards (Trial)*, the *Corporate Sustainable Disclosure Standard No.1 – Climate (Trial)* issued by the Ministry of Finance, and the *Guiding Opinions on High-standard Fulfillment of Social Responsibilities by Central Enterprises in the New Era* issued by the State-owned Assets Supervision and Administration Commission of the State Council; and with reference to requirements such as the *Sustainability Reporting Standards (GRI Standards)* issued by the Global Reporting Initiative (GRI).

Source of Information

Financial data in this report were extracted from the audited annual report of China Coal Energy Company Limited (prepared in accordance with the International Financial Reporting Standards), whilst other data came from internal data of the Company and other relevant statistics. China Coal Energy guarantees that this report does not contain any false representations, misleading statements or material omissions, and it will continuously improve the statistics of data indicators to provide more comprehensive and professional information.

Company Terminology

Names of Relevant Enterprises

Abbreviation	Full name	Abbreviation	Full name
China Coal Group	China National Coal Group Corporation, the controlling shareholder of the Company	Heilongjiang Coal Chemical	China Coal Heilongjiang Coal Chemical (Group) Co., Ltd.
Company / the Company / China Coal Energy	China Coal Energy Company Limited	Sales Group	China Coal Sales and Transportation Company Limited
Pingshuo Group	China Coal Pingshuo Group Company Limited	Qinhuangdao Company	China Coal Qinhuangdao Import & Export Group Company Limited
Pingshuo Energy and Chemical Company	China Coal Pingshuo Energy and Chemical Company Limited	Shaanxi Company	China Coal Shaanxi Energy & Chemical Group Company Limited
Shanghai Energy Company	Shanghai Datun Energy Resources Company Limited	Equipment Company	China National Coal Mining Equipment Company Limited
Huajin Group	China Coal Huajin Energy Group Limited	Zhangjiakou Coal Mining Machinery Company	China Coal Zhangjiakou Coal Mining Machinery Company Limited
Northwest Energy Company	China Coal Northwest Energy Chemical Company Limited	Beijing Coal Mining Machinery Company	China Coal Beijing Coal Mining Machinery Company Limited
Ordos Energy Chemical Company	China Coal Ordos Energy Chemical Company Limited	Development Company	China Coal Development Company Limited
China Coal Yuanxing Company	Inner Mongolia middling coal Yuanxing Energy Chemical Co., Ltd.	Finance Company	China Coal Finance Co., Ltd.

Reporting Principles

Materiality: In accordance with the assessment results of ESG material issues approved by the Board of Directors of the Company, this report focuses on the disclosure of material issues that may have a significant impact on stakeholders and the Company.

Quantitative: The information and data in this report are sourced from official documents, statistical reports and financial reports of the Company, as well as ESG information compiled, summarized and audited by the Company. The data in this report are statistically and calculated in strict compliance with relevant national regulations or industry standards. Unless otherwise stated, the currency denominated in this report is RMB.

Balance: This report objectively presents the Company's performance in ESG during the reporting period, and discloses indicators involving positive and negative information.

Consistency: There is no significant adjustment to the scope of disclosure of ESG reports of the Company in previous years, and consistent statistical methods are used in this report. Changes in statistical methods or key performance indicators will be described in the report.

Frequency of Publication

The report is published annually.

Report Assurance

The key performance indicators disclosed for 2025 and selected for this report have been subject to limited assurance by Deloitte Hua Yong Certified Public Accountants LLP in accordance with *International Standard on Assurance Engagements (ISAE) 3000 (Revised)*, *Assurance Engagements Other than Audits or Reviews of Historical Financial Information*. The assurance criteria, scope of work, procedures performed, and assurance conclusion are set out in the Appendix to this Report.

Access to the Report

This report is prepared in Chinese and English. The electronic version of this report can be downloaded on the website of China Coal Energy Company Limited: <https://www.chinacoalenergy.com>.

Statement from the Board

The Board of Directors of China Coal Energy hereby declares that the Company strictly complies with the ESG governance requirements imposed by its listing stock exchanges on listed companies, and earnestly fulfills its decision-making and oversight responsibilities on all ESG matters.

The Company places ESG governance at the core of its strategy. The Board of Directors provides top-level design and overall direction, taking responsibility for formulating ESG strategies, policies, and objectives, and ensuring that these are deeply integrated with the Company's business operations, long-term development, and corporate culture. Guided by the Company's strategy, management conditions, and stakeholder concerns, the Company continuously drives improvement in ESG performance through comprehensive benchmarking against comparable companies. With respect to information disclosure, the Company strictly complies with all regulatory requirements; the annual ESG report is reviewed and approved by the Board prior to disclosure, ensuring both transparency and compliance. The Company places the highest importance on stakeholder engagement, drawing widely on diverse perspectives through multiple channels, actively responding to the expectations of all parties, and remaining committed to achieving sustainable development for both the Company and its stakeholders.

This report provides a detailed account of the progress and outcomes of China Coal Energy's ESG work in 2025, and was reviewed and approved at the 2nd Meeting of the 5th Session of the Board of Directors on 27 March 2026.

Message from the Chairman



Dear Friends,

On behalf of the Board of Directors of China Coal Energy, I would like to extend my sincere gratitude for your continued attention, trust, and support.



In 2025, we steadfastly upheld our responsibility to the nation, coordinating the twin imperatives of energy security and green low-carbon transition. We resolutely implemented the new energy security strategy of "Four Reforms and One Cooperation," adhered to our development philosophy of "improving the efficiency of existing assets while transitioning new growth,"¹ and pressed forward with determination, stabilizing production, strengthening sales, reducing costs, and improving quality and efficiency. Through continuous lean management, deepened reform and innovation, and accelerated transformation, the Company's operating results outperformed the broader industry, and the momentum for high-quality development was further consolidated. During the 14th Five-Year Plan period, we kept strengthening, improving, and growing our core business as our foundational mission. We were among the first to practice the "Dual Integration" model and innovatively established the "Dual Counterbalancing" mechanism. Coal production capacity grew by nearly 60 million tonnes, coal chemical facilities maintained stable, long-cycle, full-capacity, and high-quality operation, and the total installed power capacity in operation and under construction increased by 131.7% compared with 2020 — thermal power capacity grew by 71%, and new energy capacity achieved a breakthrough from zero. We have progressively formed a compact "coal-electricity-chemical-new energy" industrial chain with distinctive China Coal characteristics. Compared with the 13th Five-Year Plan period, total assets grew by 30.8%, average annual operating revenue increased by 91.8%, and average annual total profit rose by 253.6%. All "one profit and five ratios" indicators successfully met the 14th Five-Year Plan targets, and we have written a chapter of sustainable development with the distinctive characteristics of China Coal in building a new energy system and advancing Chinese modernization.

We make every effort to safeguard national energy security. We remain firmly committed to the conviction that "the energy bowl must be held in our own hands," treating this as our primary responsibility, foremost priority, and fundamental mission. With a deep understanding of coal's central role and essential backstop function in the energy system, we spared no effort to increase output, improve quality, and ensure supply, successfully fulfilling our commitments to increase coal

supply, boost power generation, and build up fertilizer reserves, and effectively serving as the "cornerstone" and "ballast stone" of energy security. We advanced the "Dual Integration" model, linking coal with coal-fired power, and coal-fired power with new energy, explored pathways for multi-sector coupled development, and promoted a multi-energy complementary business structure to strengthen industrial chain supply resilience. During the 14th Five-Year Plan period, commercial coal output and sales volume increased by 43.4% and 43.8% respectively compared with the 13th Five-Year Plan period; output and sales of major coal chemical products grew by 49.2% and 49.9% respectively; and equipment output value increased by 57.6%. These achievements made a meaningful contribution to stabilizing market prices and supporting steady economic performance. China Coal Energy's capacity to safeguard national energy security has grown broader in scope and stronger in resilience.

We actively advance green and low-carbon transition. We have thoroughly studied and applied the principles of ecological civilization, firmly embraced the philosophy that "lucid waters and lush mountains are invaluable assets," and approached the challenge of reconciling China's coal-rich national endowment with the dual carbon targets with strategic balance and clarity of purpose, actively exploring new pathways for low-carbon integrated energy development. Under the guiding principle of "producing coal without emitting carbon," we strengthened full lifecycle coal management services and pursued carbon reduction across the entire value chain: developing new high-efficiency coal-fired generation units and coupling coal chemical industries, including green hydrogen, green ammonia, and green methanol, with new energy to achieve "upstream carbon reduction at source"; applying intelligent mining, remote centralized control, and battery-swap heavy trucks to drive "in-process carbon reduction"; and exploring CCUS and CCS technologies, including carbon dioxide hydrogenation to methanol and CO₂ saline aquifer sequestration, to advance "downstream carbon fixation." We maintained an unwavering commitment to green and low-carbon development, continuously strengthening pollution control and ecological management, and innovatively applying technologies and models including separation grouting,

fishery-solar complementarity, Generation-Grid-Load-Storage integration, and upstream-downstream industrial clustering. During the 14th Five-Year Plan period, 14 national and provincial-level green mines and green factories were established; RMB 16.408 billion was invested in new energy, coal-based new materials, and related industries; the comprehensive utilization rates of coal gangue and mine water both exceeded 90%; the hazardous waste compliant disposal rate reached 100%; and the carbon market compliance rate reached 100%. These efforts have effectively built a new energy development paradigm anchored in "ecological priority and green empowerment," and the "green content" of China Coal Energy's sustainable development has been steadily elevated.

We are committed to innovation-driven development. We have firmly established and consistently practiced the belief that "innovation is essential to our survival." By building a Internal Innovation Core + External Innovation Hub System, advancing the "science-technology-engineering-market" transformation pathway, and establishing a "six-in-one" support system encompassing projects, platforms, talent, investment, management, and mechanisms, we have significantly strengthened our innovation capabilities. We actively engaged with national high-level science and technology innovation platforms, joining the Enterprise Innovation Joint Development Fund of National Natural Science Foundation, co-constructing the National Key Laboratory of Digital Intelligence Technology for Unmanned Coal Mining and the National Mine Safety Technology Innovation Center, establishing the Energy Low-Carbon Innovation Center at the Beijing-Tianjin-Hebei National Technology Innovation Center, jointly launching the National Key R&D Program's Disruptive Technology Innovation, Energy Low-Carbon Joint Project, and founding the Xinchuang Empowerment Center. We implemented talent development initiatives anchored in major projects and engineering programs, pursuing diversified approaches to attracting and cultivating scientific talent and steadily enhancing our innovation strength. Cultivating new productive forces has been our primary innovation direction: we concentrated resources on frontier technologies and critical shared challenges, achieved breakthroughs in key core technologies such as deep-mining disaster prevention and control, actively expanded the application of "artificial intelligence+" across operations, and leveraged "China Coal Intelligent Control" to empower the digitalization of management and control, business synergy, and data value creation. During the 14th Five-Year Plan period, cumulative R&D investment exceeded RMB 20 billion; more than 10 national science and technology projects were undertaken; and over 200 industry-level and above science and technology progress awards were received. The deep integration of technological and industrial innovation has significantly elevated the "innovation content" of China Coal Energy's sustainable development.

We have established an efficient governance model. We have accurately grasped the requirements for building a modern enterprise system with Chinese characteristics, firmly integrated Party leadership into all aspects of corporate governance, and consistently implemented the "two consistencies" principle, driving the strengthening of mechanisms, clarification of rights and responsibilities, and optimization of processes to ensure that every governance body plays its full role. We steadily advanced the development of a scientific, rational, and high-performing Board, continuously improving the standardization and effectiveness of Board operations and enhancing overall corporate governance efficiency. We actively promoted supply chain management upgrades, built a large-scale integrated marketing and logistics system, and strengthened refined management and penetrating oversight, achieving significant results through lean management. We fostered the "rules-based" safety culture, further refined the "Six Threes" safety management system, and advanced the transformation of the safety governance model toward proactive prevention. We rigorously strengthened compliance management, continuously improved the risk prevention and control framework, and effectively mitigated risks in key areas. We refined the ESG governance system, systematically advanced priority initiatives including climate change response and double materiality assessment, and promoted the deep integration of ESG principles into strategic planning, business decision-making, and day-to-day management. We continuously strengthened market

value management, maintained rigorous information disclosure standards, and comprehensively safeguarded investor rights and interests. During the 14th Five-Year Plan period, the Company advanced the high-quality completion of its reform deepening and enhancement initiatives, while steadily promoting regionalized and specialized reforms. These efforts further stimulated corporate governance vitality and operational dynamism. The Company's market capitalization increased by 44%, and total dividends reached RMB 27.1 billion. We also received an A rating for information disclosure from the Shanghai Stock Exchange, and was recognized with honors including a Top 10 Social Responsibility Case by the China National Coal Association and a Best Practice Case for Sustainable Development by the China Association for Public Companies, promoting the communication of the Company's value.

We have worked to enhance the livelihood and well-being of society and people. We have always situated our corporate development within the context of national strategy and the needs of the people, actively engaging in major national initiatives including the coordinated development of the Beijing-Tianjin-Hebei region, the Yangtze River Economic Belt, ecological protection of the Yellow River Basin, and the development of the Hainan Free Trade Port. We deepened strategic cooperation with the regions where our operations are located, precisely matched local energy needs, and effectively promoted regional coordinated development. We worked comprehensively to build harmonious labor relations, continuously improved our compensation and benefits framework, attended to employee well-being, and cultivated a grounded, focused, and fulfilling working environment. We committed ourselves wholeheartedly to rural revitalization, implementing targeted industry, education, and cultural tourism assistance programs and actively carrying out initiatives such as the Agriculture Promotion Week and the Harmonious Countryside Journey. Programs including the China Coal Inspirational Scholarship, the Strong Teachers Fund, and the China Coal Rural Revitalization Class helped more students realize their dreams of higher education. We actively carried out volunteer service and social donation activities, and our professional rescue teams remained at constant readiness, always prepared to respond to emergencies and advance into danger. During the 14th Five-Year Plan period, cumulative capital expenditure approached RMB 70 billion; investment in rural revitalization and social welfare initiatives totaled RMB 235 million; volunteer activities engaged more than 28,000 participants; the Company participated in more than 600 local emergency rescue operations; and total social contributions reached RMB 325.858 billion, powerfully demonstrating China Coal Energy's commitment to its responsibilities to society.

As we enter the 15th Five-Year Plan period, we will renew our confidence and consolidate our collective strength, thoroughly implementing the guiding principles of our national leadership, seizing the opportunities of the moment, and bravely shouldering our social responsibilities. With a higher sense of purpose, stronger accountability, and more concrete action, we will strengthen operations and management, deepen reform and innovation, and accelerate our green low-carbon transition, continuously enhancing our core functions and competitive strengths. We will repay the trust of all our shareholders and friends across society with tangible, sustainable results, and contribute China Coal's strength to the accelerated building of a great energy nation and the opening of a new chapter in Chinese modernization.

Wang Shudong,
Chairman of China Coal Energy Company Limited
March 2026

¹ Build upon the current self-owned, coal-based full industrial chain, strengthen and supplement the chain, and improve quality and efficiency; look towards the future trends of energy transformation, explore and practice green and low-carbon transformation and development.

About Us

Company Overview

China Coal Energy Company Limited was incorporated as a joint stock Company and was exclusively sponsored by the China National Coal Group Corporation on 22 August 2006, with its headquarters located in Beijing, China. The Company was listed on the Hong Kong Stock Exchange in December 2006, and subsequently listed on the Shanghai Stock Exchange in February 2008.

The Company's core businesses span coal, chemical, coal mining equipment, and power generation. Operating across key regions including Shanxi, Inner Mongolia, Shaanxi, Jiangsu, and Xinjiang, the Company adheres to a development approach of "Efficiency Enhancement and Incremental Transformation.", coordinates the dual priorities of safeguarding national energy security and advancing a green, low-carbon transition, underpinned by an integrated "coal-power-chemical-new energy" industrial chain. The Company has steadily advanced the "Dual Integration" model², while accelerating the establishment of a "Dual Counterbalancing" mechanism³. In parallel, it is building a technological innovation system anchored in the Internal Innovation Core + External Innovation Hub System. Through these initiatives, the Company is forging a distinctive development model and working toward its vision of becoming a world-class energy enterprise defined by multi-energy complementarity, green and low-carbon development, innovation-driven leadership, and modern corporate governance.

Coal Business

The Company boasts abundant coal resources and diversified coal products as well as modern mining, coal washing and compounding technologies and techniques. Mining areas in Pingshuo, Shanxi Province, and Huijirt, Ordos of Inner Mongolia, primarily developed by the Company, are important thermal coal production bases in the PRC. Xiangning mining area in Shanxi Province, where Wangjialing Coal Mine is located, is the production base of high-quality low-sulfur, ultra-low-phosphorus coking coal in the PRC. Jincheng mining area in Shanxi, where Libai Coal Mine is located, is the production base of quality anthracite in the PRC. The major coal production bases of the Company have well-established coal transportation networks connected to coal ports, creating favorable conditions for the Company to sharpen competitive edges and achieve sustainable development.

Chemical Business

The Company continues to advance the high-end, diversified, and low-carbon development of its chemical business, focusing on industries such as coal-to-olefins and coal-to-urea. These operations are primarily located in regions including Inner Mongolia, Shaanxi, and Shanxi. Production facilities maintain long-term operation characterized by safe, stable, sustained, and high-quality performance, with key operational indicators remaining at a leading level within the industry.

Coal Mining Equipment Manufacturing Business

The Company's coal mining equipment manufacturing segment is committed to building an integrated energy service system for coal mine engineering machinery and equipment that combines R&D, supply, maintenance, leasing, and services. Our industrial scale, technological capability, complete equipment solutions, and overall competitiveness rank among the leading positions in the industry. The Company was among the first in China to establish comprehensive capabilities for the R&D, manufacturing, and supply of integrated equipment for fully mechanized coal mining and tunneling operations. In China, the Company leads technologies and market share in integrated, intelligent coal mining face equipment, covering conveying, support, and mining systems.

Power Generation Industry

Mainly located in provinces such as Shanxi, Jiangsu, Xinjiang and Inner Mongolia, the Company adheres to the guideline and concept of "Dual Integration" and follows the principles of "determining electricity with coal, developing quality projects" to commence the development of its energy industry projects. Energy safety is secured and green transformation of the Company is promoted. Meanwhile, the Company conducts diversified and innovative exploration of its energy industry into other directions, promotes the combination of renewable energy and chemical, realises the local consumption of renewable energy and formulates a development mode based on industrial parks and bases.



² "Dual Integration" model: Coal-Power Integration and Coal Power-Renewable Energy Integration.

³ "Dual Counterbalancing" mechanism: Using "Coal-Power Integration" to hedge against the downside risk of self-produced coal in the external market, and using "Coal Power-Renewable Energy Integration" to hedge against the risk of future carbon emission constraints.

Corporate Culture

China Coal Energy's logo consists of two letters of "C", which denotes "CHINA" and "COAL" respectively. The two "C"s form the Chinese character "中", in which the Chinese character and English letters are joined together to create a vivid image. The combination of the trapezoidal C and the elongated C resembles a ring of light emanating from an old miner's lamp. The shape of a Chinese lantern is formed on the outer contour, which signifies auspiciousness, stability and dignity and conveys strong oriental charm. The base color of the logo is purple blue, the color of coal or gas that combusted in the fullest and the most environmental-friendly way. The logo integrates English, Chinese and a variety of symbols, reflecting the Company's style as a diversified and international conglomerate.



Cultural Ethos

The Company advances cultural brand development through a "value-led" approach, actively cultivating a distinctive China Coal culture befitting a world-class energy enterprise. Grounded in the belief that culture shapes people and the spirit forges character, the Company has established a clear value orientation and code of conduct to guide its development and inspire its people.

China Coal Vision

To Build a World-class Energy Enterprise

To create a world-class energy enterprise with multi-energy complementarity, green and low-carbon solutions, innovative demonstrations, and modern governance systems.

China Coal Core Values

Safe, Green, Clean, Efficient

Practice commitment to safe development, implement the dual carbon goal, promote clean and efficient coal utilization, and advance green and low-carbon energy transition.

China Coal Mission

To Ensure Energy Security, Lead Industry Development, and Create a Better Life

To ensure energy security: Implement the new energy security strategy of Four Reforms and One Cooperation to ensure stable energy supply and contributing to the development of a strong energy nation.

Lead industry development: To be a role model in safe, green, and intelligent extraction of coal, and a pioneer in clean, efficient, and low-carbon utilization of coal.

Create a better life: To provide clean energy for economic and social development, and meet people's needs for a better life.

China Coal Spirit

Loyalty, Pragmatism, Innovation, and Endeavor

Loyalty: Loyal to the Party, the country, the people, and the China Coal cause.

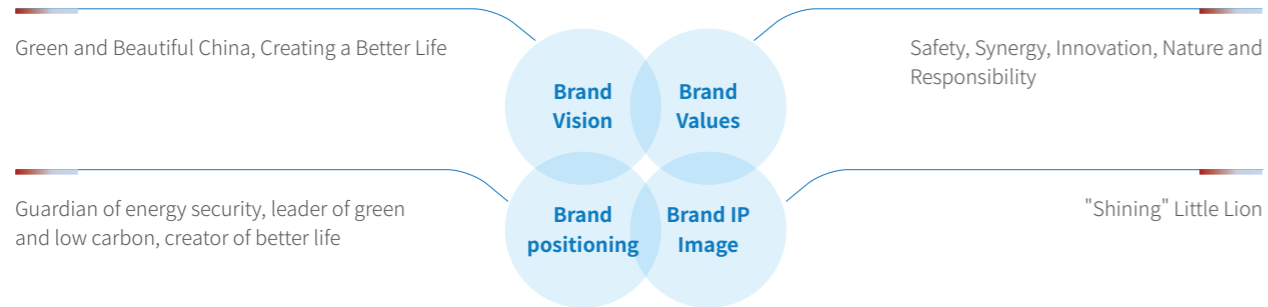
Pragmatism: Truth-seeking and pragmatic; tell the truth, take concrete measures, and focus on effectiveness.

Innovation: Encourage the liberation of thoughts, bold explorations, adherence to scientific thinking, and enhancement of innovation capabilities.

Endeavor: Strive in unity and forge ahead with pioneering and enterprising spirit, embrace challenges on the new journey and make contributions in the new era.

Brand Strategy

Adhering to the responsibilities and missions of a central energy enterprise, the Company fully implemented the new energy security strategy of "Four Reforms and One Cooperation", coordinated the important tasks of ensuring national energy security and promoting green and low-carbon transformation, focused on the goal of building a world-class energy enterprise, deeply implemented brand-leading actions, solidly promoted the "SHINE" brand strategy, continuously promoted the deep integration of brand building and business development, continuously enhanced the brand value creation ability, and empowered the sustainable development of enterprises with high-quality brand building.

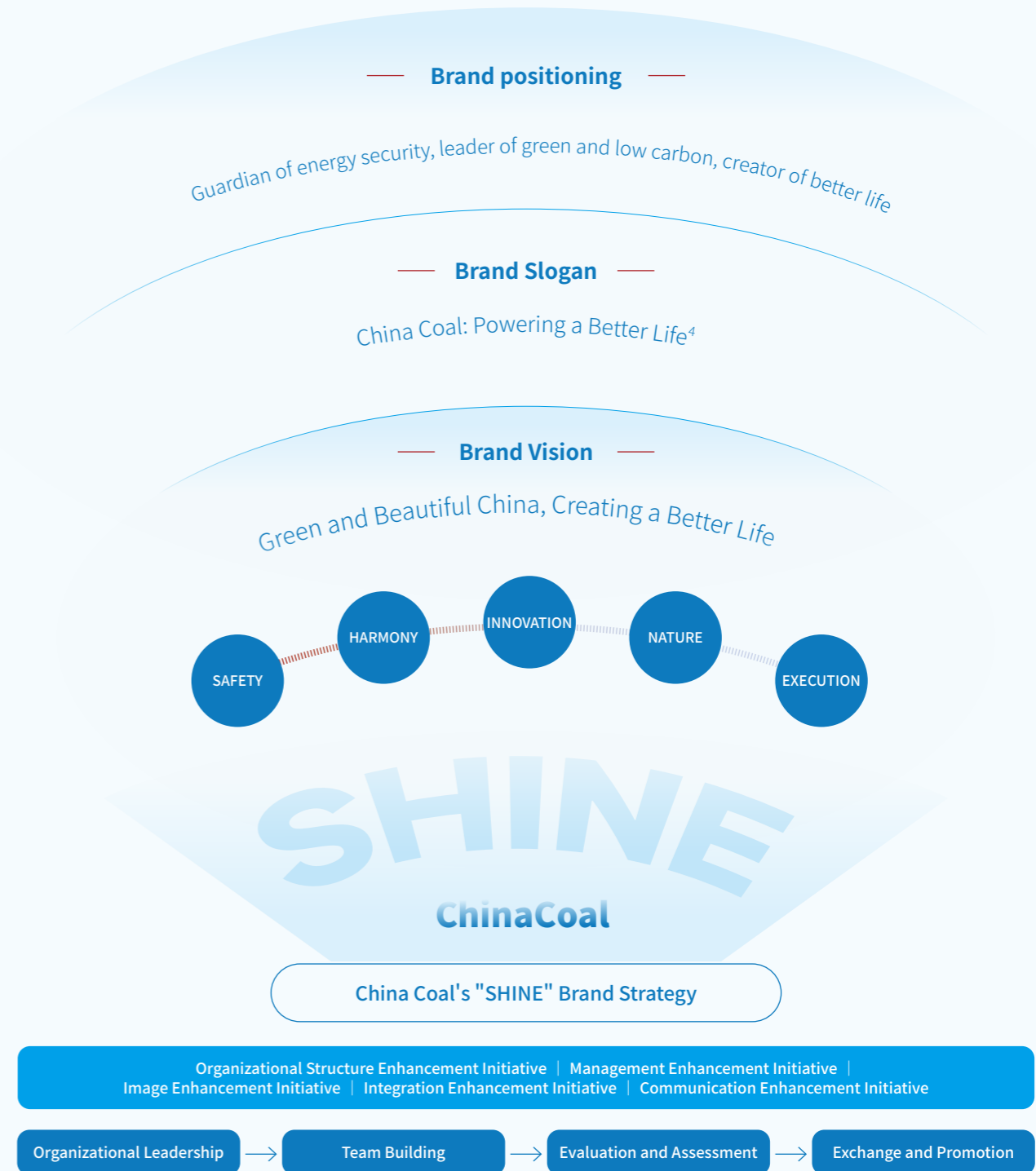


The brand IP image consists of four groups of "Shining" little lions, representing the character characteristics of "Sunshine, Courage, Perseverance and confidence" of the employees of the Company, and give China Coal Energy brand more lasting influence and communication power with vivid cartoon images.

"Shining" Little Lion

 <p>Sunshine</p> <p>The little lion always maintains a positive, sincere, and optimistic attitude—never idle in good times, never discouraged in adversity. Its radiant smile shines with unique brilliance like sunlight, illuminating the path ahead and bringing warmth and positive energy to the world.</p>	 <p>Courage</p> <p>The little lion possesses sharp thinking, exceptional courage, and a combination of bravery and wisdom. Facing challenges and difficulties, it is always able to make swift decisions, seize opportunities, and execute decisively.</p>
 <p>Perseverance</p> <p>The little lion is brave, resolute, and persistent. With a steadfast gaze, it embraces responsibility, commits to its goals, strives with all its might, and pursues excellence.</p>	 <p>Confidence</p> <p>The little lion possesses a firm and powerful inner strength, maintaining a clear sense of self-awareness and purpose. Cheerful and confident, it always retains a sincere passion, and the sparkle in its eyes radiates a spirited, pioneering drive.</p>

"SHINE" Brand Strategy Map



⁴ Powering a Better Life for the People.

Major Honors in 2025

<p>National Civilized Unit</p> <p>Shanghai Energy Company, Beijing Coal Mining Machinery Company, Qinhuangdao Company</p> <p>Central Central Leading Group for Publicity, Ideological and Cultural Work</p>	<p>Central Enterprise Brand Leading Action Second Batch of Creation Achievement Enterprise Brand</p> <p>Pingshuo Group</p> <p>State-owned Assets Supervision and Administration Commission</p>	<p>"Excellent" in the 2024 Special Assessment of the "Double Hundred Action" of Central Enterprises</p> <p>Shanghai Energy Company</p> <p>State-owned Assets Supervision and Administration Commission</p>	<p>2024-2025 Typical Case of Digital Intelligence Transformation of Central State-owned Enterprises [First Class Case] — Integrated Collaborative Office Cloud Platform Based on Xinchuang System</p> <p>Equipment Company</p> <p>China Academy of Information and Communication Technology</p>	<p>Special honor, the Pillars of a Great Power</p> <p>Beijing Coal Mining Machinery Company</p> <p>Ministry of Industry and Information Technology Double Product Project Brand Construction Committee</p>	<p>Silver Award in the Final of "2025 Artificial Intelligence Application Competition (Procurement and Supply Chain Track)" — "Spirit Mirror AI Intelligent Future-AI Assisted Review and Intelligent Recreation Ecology Construction"</p> <p>Development Company</p> <p>China Federation of Logistics and Purchasing</p>
<p>Benchmark Enterprises of "Double Hundred Action"</p> <p>Equipment Company</p> <p>State-owned Assets Supervision and Administration Commission</p>	<p>2021-2024 National Advanced Unit of Mass Sports</p> <p>Shanghai Energy Company</p> <p>General Administration of Sports of China</p>	<p>2025 National May 4th Red Flag Youth League Branch</p> <p>Zhangjiakou Coal Mining Machinery Company</p> <p>Communist Youth League Central Committee</p>	<p>The Fourth Batch of Excellent Cases of Health Enterprise Construction</p> <p>Beijing Coal Mining Machinery Company</p> <p>National Health Commission</p>	<p>Best Practice Case of Sustainable Development of Listed Companies—Green Mining Practice of Gangue Overburden Separation Grouting Filling</p> <p>China Coal Energy</p> <p>China Association for Public Companies</p>	<p>First Prize of Coal Enterprise Management Modernization Innovation Achievement (Digital Intelligence Innovation and Practice of Safety Production Risk Management and Control in Large Coal Enterprises)</p> <p>China Coal Energy</p> <p>China Coal Industry Association</p>
<p>National green factory</p> <p>Shaanxi Company</p> <p>Ministry of Industry and Information Technology</p>	<p>Top 10 Best Corporate Safety Culture Cases in 2024</p> <p>Beijing Coal Mining Machinery Company</p> <p>Emergency Management Department</p>	<p>2025 China Industrial Carbon Peak "Leader" Enterprise Title</p> <p>Northwest Energy Company</p> <p>China Federation of Industrial Economics</p>	<p>Grade A Evaluation of Information Disclosure by SSE</p> <p>China Coal Energy</p> <p>Shanghai Stock Exchange</p>	<p>Association of Public Companies Best Board Practice Award</p> <p>China Coal Energy</p> <p>China Association for Public Companies</p>	<p>Best Practices of Directors' Offices of Listed Companies</p> <p>China Coal Energy</p> <p>China Association for Public Companies</p>

ESG Governance

China Coal Energy continued to optimize its ESG management system, making systematic progress across multiple dimensions, including strengthening the governance framework, reinforcing strategic guidance, refining institutional mechanisms, improving indicator performance, deepening topic analysis, advancing targeted initiatives, participating in external ratings, enhancing stakeholder engagement, and building a distinctive ESG brand. These efforts continuously strengthened the Company's responsible practices and comprehensively improved its environmental performance, social value, and corporate governance effectiveness.

ESG Governance Structure

The Company has established a three-level ESG governance structure covering the decision-making, management, and execution levels. The Board of Directors and the ESG Committee constitute the decision-making level; the management forms the management level; and all functional departments and all subsidiaries serve as the execution level, working in concert to ensure the standardized and efficient operation of all ESG activities.

ESG Governance Structure

Governance level	Organization	Responsibility
Decision-making level	Board of Directors	<ul style="list-style-type: none"> Deliberate and approve ESG medium-and long-term plans; Deliberate and approve the annual ESG report; Deliberate and approve other important matters related to ESG.
	Safety, Health and Environmental Protection Committee (ESG Committee)	<ul style="list-style-type: none"> Deliberate the annual ESG report; Oversee the identification and assessment of ESG-related impacts, risks and opportunities; Monitor the progress of ESG-related goals, listen to annual ESG work reports, guiding and advance ESG-related work; Analyze and master international and domestic ESG-related policies, and guide the formulation of ESG strategies, indicators and objectives.
Management level	Operation level	<ul style="list-style-type: none"> Deliberate and approve the ESG management system and indicator system; Organize the formulation of medium-and long-term ESG development plans; Organize and conduct ESG topics management and practice, report preparation and information disclosure; Organize the identification and assessment of ESG-related impacts, risks and opportunities; Regularly report to the Board on the progress of ESG work.
Execution level	Departments and all subsidiaries	<ul style="list-style-type: none"> Organize the preparation of medium-and long-term ESG plans; Formulate ESG work plans, implement work tasks, and perform relevant ESG topics management responsibilities; Responsible for establishing and improving the ESG management system, management platform and indicator system; Responsible for issue identification and analysis, data collection and management, and the preparation, verification and publication of ESG reports; Carry out stakeholder communication, case application, award selection, ESG training, etc; Regularly report the progress of work to the management to support the effective operation of the ESG governance system.

ESG Working Mechanism

The Company has strengthened its organizational leadership structure, establishing an ESG governance mechanism that integrates centralized oversight with decentralized execution, with clearly defined responsibilities, seamless coordination, and efficient operation. An ESG Working Leadership Group, co-chaired by the Chairman and the President, has been established to oversee the implementation of decisions and directives issued by the Party Central Committee and the State Council regarding environmental responsibility, social responsibility, and corporate governance for central state-owned enterprises, as well as relevant requirements set by SASAC. The Leadership Group is responsible for formulating work plans, assigning and deploying priority tasks, and supervising and guiding the orderly conduct of ESG-related work. A dedicated Office and ESG Working Group have been established under the Leadership Group to organize and implement specific initiatives.

ESG Working Mechanism



ESG Strategy

Anchored in its ESG strategic positioning of "leading green development, upholding social responsibility, and achieving governance excellence," the Company has made the full integration of sustainable development principles into its strategic planning, production and operations, and day-to-day management a core priority.

The Company steadily advances the "Dual Integration" model, builds the "Dual Counterbalancing" mechanism, focuses on its core businesses, and makes coordinated progress across energy supply, transformation and development, reform and innovation, Party building, corporate governance, and risk prevention and control. It is forging a distinctive "coal-power-chemical-new energy" industrial chain and building a modern industrial framework, with the aim of becoming a world-class energy enterprise.

The Company is actively implementing China's "Dual Carbon" targets, pursuing a parallel approach to clean and efficient coal utilization alongside the industrialization of new energy, coordinating the optimization of its energy mix, and systematically advancing its green and low-carbon transition. Efforts are being made to build the Internal Innovation Core + External Innovation Hub System, accelerating breakthroughs in core and critical technologies to drive industrial

upgrading through innovation. The Company is also accelerating the green and low-carbon transformation and upgrading of its full industrial chain and complete product lifecycle.

In strict alignment with the Opinions on Improving the Modern Corporate System with Chinese Characteristics and related guidelines, the Company continues to refine its decision-making mechanisms for major matters. By clearly defining the scope of authority and responsibility among its governance bodies, the Company ensures the standardized and efficient operation of both the Board of Directors and executive management. The Company strengthens the leadership of the Party in refining corporate governance, reinforcing substantive oversight and guidance to drive high-quality development through high-quality Party building. We enhance operational compliance by optimizing risk management mechanisms and establishing a multi-level, "penetrative" supervision system that fosters the deep integration of oversight and governance. Meanwhile, the Company remains committed to improving the quality of information disclosure, deepening engagement with stakeholders, and actively promoting the effective communication of corporate value.

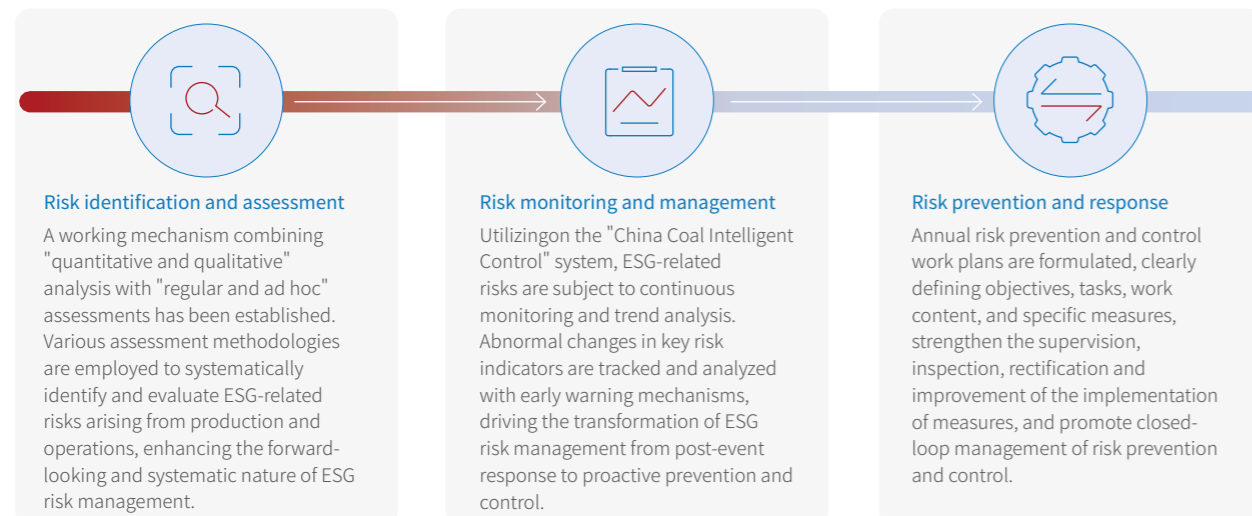
ESG Impact, Risk and Opportunity Management

The Company has established a systematic ESG risk management mechanism, integrating ESG factors into its existing risk management and internal control frameworks. The Board of Directors is responsible for risk management and the development of the internal control system. The ESG Committee oversees and assesses relevant risks, while the Legal and Compliance Department coordinates with relevant departments to manage ESG risks on a day-to-day basis.

The Company continuously strengthens penetrating oversight, drawing on financial analysis, questionnaire surveys, business interviews, expert consultation, industry benchmarking, and other

methods to regularly identify ESG risk events and organize targeted assessments as needed, enhancing the comprehensiveness and forward-looking nature of risk identification. The "China Coal Intelligent Control" system is utilized to dynamically monitor and assess trends in ESG-related risks, with enhanced tracking and analysis of key indicators showing significant changes or abnormal trends, driving the transformation of risk management from reactive response to proactive prevention. Annual risk prevention and control work plans are formulated, effectively preventing and mitigating ESG-related risks while capturing ESG development opportunities, and continuously raising the standard of ESG risk management.

Risk Management Process

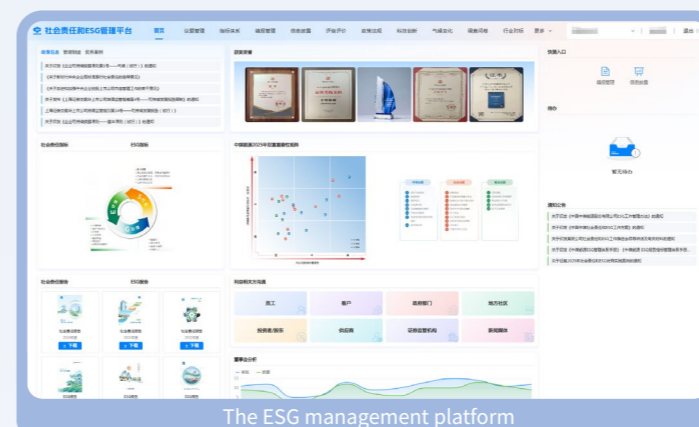


The Company has formulated the *Social Responsibility and ESG Work Plan* and the *2025-2027 Three-Year Key Task Action Plan*, defining 23 priority tasks and 111 supporting measures. It has issued the *ESG Work Management Measures*, established a digital management platform, and realized online collection, review and daily supervision of all indicator information. The Company promotes the standardized, regulated and digitalized development of ESG practices. It has sorted out and developed more than 500 ESG indicators with industry-specific characteristics, and systematically advanced key tasks such as climate change response and double materiality analysis. Task implementation is dynamically tracked through quarterly work promotion meetings to drive progress on key topics. It continues to strengthen ESG supervision, management and assessment, and further aligns key ESG performance indicators with executive compensation and the business performance assessment of affiliated enterprises.

The Company continued to invest in ESG management talent development and has built a multi-level, multi-format ESG learning and improvement mechanism. Focusing on ESG policies and regulations, development trends, key areas of concern, and practical skills, it delivers tiered and categorized training through dedicated programs and expert lectures, comprehensively strengthening employees' ESG knowledge and professional capabilities. The Company actively participates in training and seminars organized by regulatory authorities, industry associations, and professional

institutions, stays current with industry developments, draws on best practices, and continuously raises its ESG management standard.

Since releasing its first Corporate Social Responsibility Report in 2008, the Company has carried out sustainability information disclosure for 17 consecutive years. Since 2021, it has published a standalone ESG report annually and has been included in the "Central SOEs ESG · Pioneer 100 Index" for four consecutive years. In 2025, a number of the Company's practices were selected as exemplary cases by various authorities and industry organizations, including the Outstanding Green and Sustainable Development Practice Cases of Central SOEs, Central SOEs Social Responsibility Practice Cases, and ESG Practice Cases of Listed Central SOEs issued by the State-owned Assets Supervision and Administration Commission (SASAC) of the State Council; the Best Sustainable Development Practice Cases of the China Association for Public Companies; and the Top 10 Social Responsibility Cases of the China National Coal Association. The standardization and transparency of the Company's ESG disclosures, as well as its social impact and industry recognition, have continued to improve. The Company's efforts in ensuring energy supply, advancing technological innovation, improving quality and efficiency, restoring mining ecology, and supporting coordinated regional development have been reported multiple times by leading media outlets such as China Media Group and People's Daily, presenting a strong and responsible corporate image.



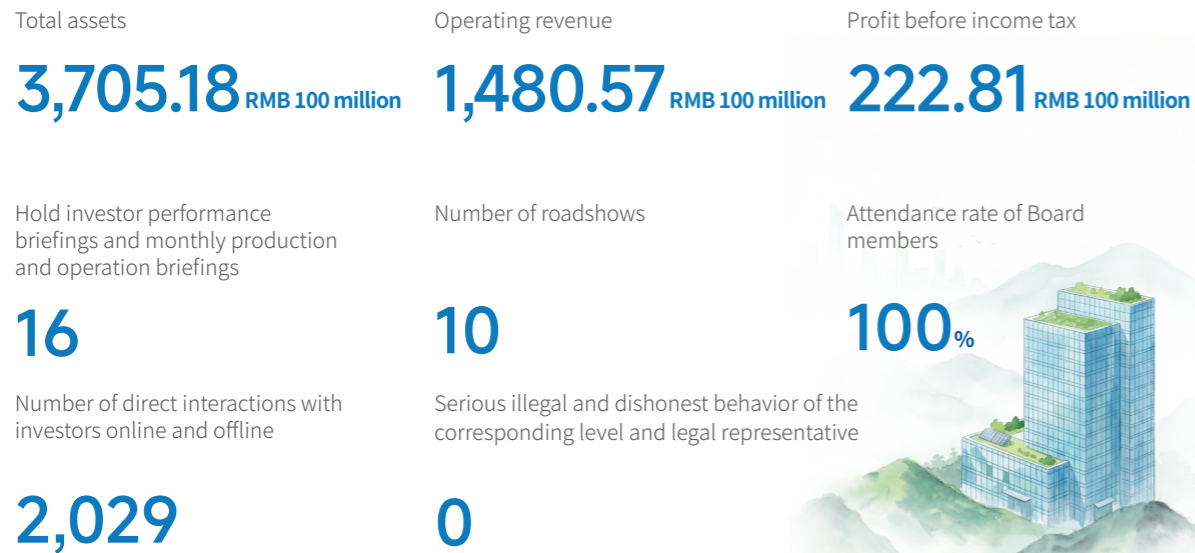
The ESG management platform is designed and developed by fully leveraging the "Smart Control" system. Its core functions include topic management, indicator reporting, report preparation, information collection, benchmarking analysis, rating and evaluation, and special task management, comprehensively covering all aspects of the Company's ESG work.



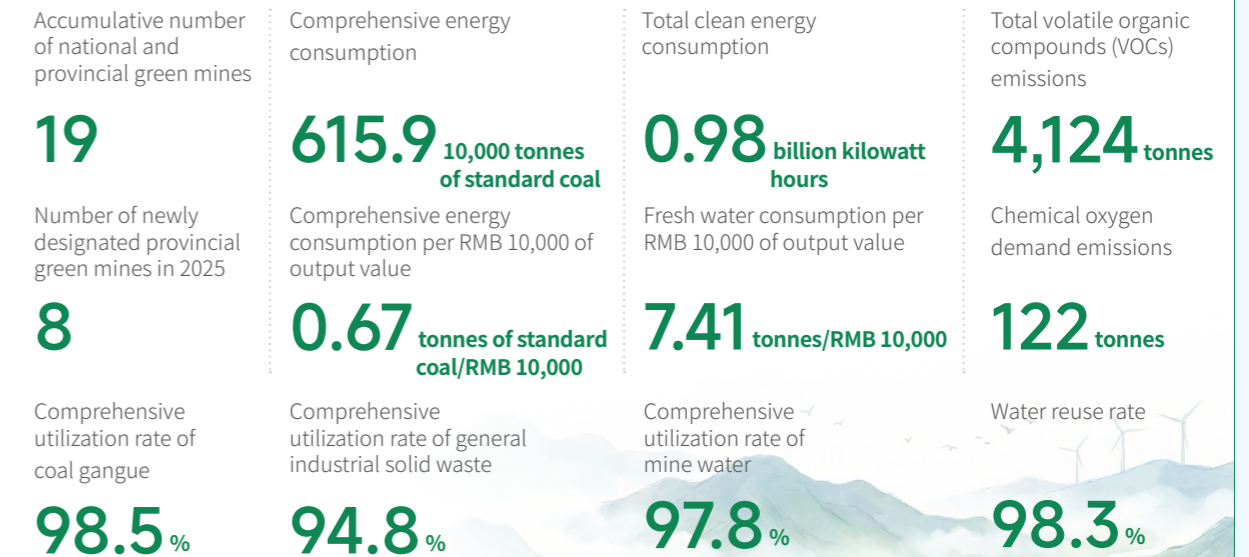
The seminar focused on policy trends, regulatory requirements, and practical approaches to sustainable development for listed companies. Representatives from S&P Global, Deloitte China, China National Petroleum Corporation, and Goldwind shared their ESG governance experiences. Nearly 30 representatives from A+H or H-share listed companies attended the event.

ESG Metrics and Performance

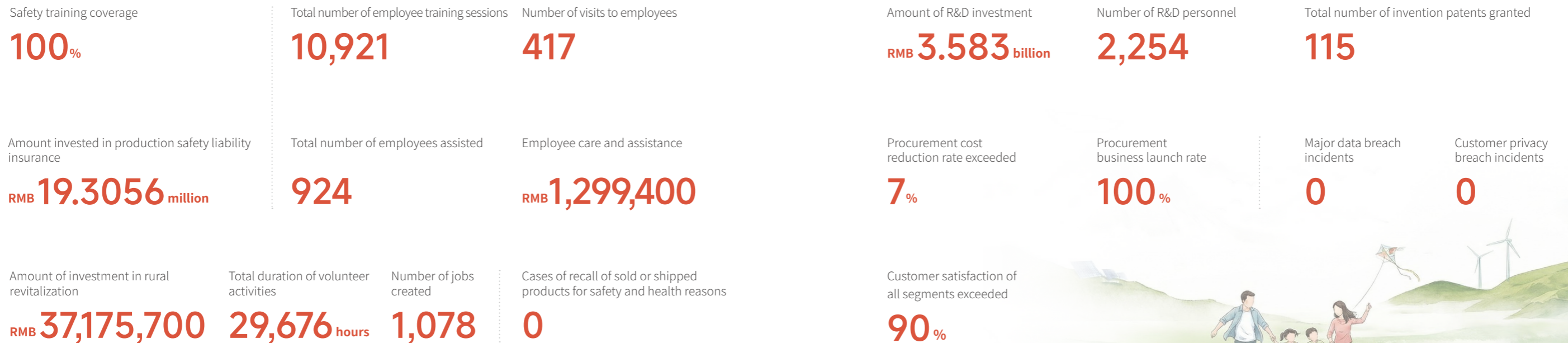
Governance



Environmental



Social



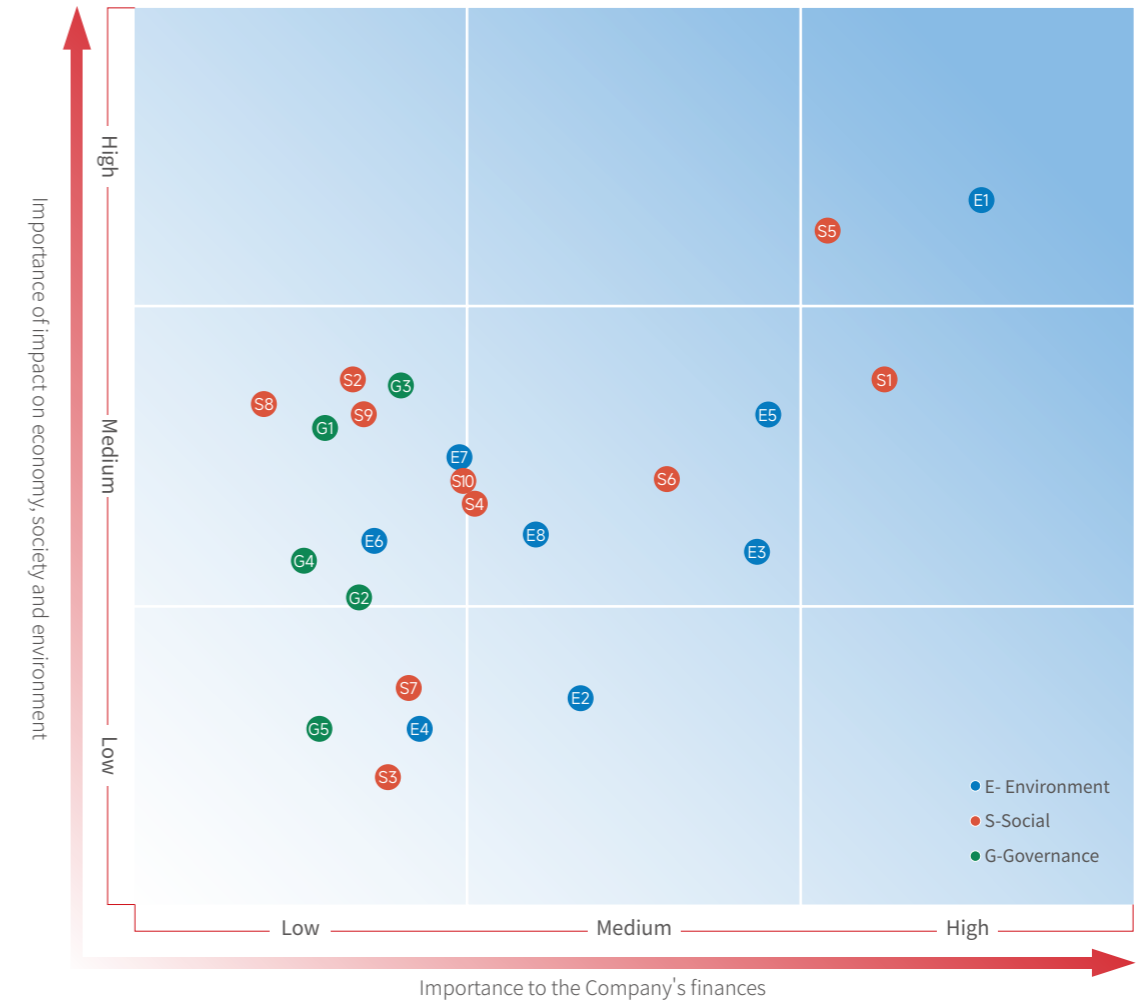
Assessment of Topics with Double Materiality

China Coal Energy conducts its double materiality assessment every three years. In 2025, following a workflow of "Identification — Matching — Evaluation — Review," the Company identified and confirmed 23 material ESG topics with significant impact on the Company and its stakeholders, assessed across two dimensions: impact materiality and financial materiality. These topics serve as a key reference for strengthening internal management, optimizing resource allocation, effectively responding to regulatory requirements, and addressing the concerns and expectations of investors, the public, and other stakeholders.

Assessment Process for Topics with Dual Materiality



The assessment identified climate change response and production safety and occupational health as dual-high topics, and innovation-driven development as a topic of high financial materiality. These findings align with the Company's business characteristics and development needs, providing a valuable reference for day-to-day operational management. The Company applies differentiated and dynamic management to topics based on assessment outcomes: dual-high topics receive prioritized management and control and are disclosed in accordance with the four-pillar framework of governance, strategy, risk management, and indicators and targets; other topics receive enhanced regular monitoring and day-to-day management attention.



Dual Materiality Issues Matrix

Environmental Topics

- E1 Addressing climate change
- E2 Energy utilization
- E3 Circular economy
- E4 Water resource utilization
- E5 Pollutant emissions and management
- E6 Environmental compliance management
- E7 Ecosystem and biodiversity conservation
- E8 Waste disposal

Social Topics

- S1 Innovation-driven development
- S2 Quality and safety of products and services
- S3 Data security and customer privacy protection
- S4 Supply chain security and management
- S5 Work safety and occupational health
- S6 Employee rights and interests
- S7 Employee development and training
- S8 Community engagement and social contribution
- S9 Rural revitalization
- S10 Equal treatment of small and medium-sized enterprises

Governance Topics

- G1 Due diligence
- G2 Compliance operation and risk management
- G3 Stakeholder communication
- G4 Anti-commercial bribery and anti-corruption
- G5 Anti-unfair competition

01

Advancing Green Transition

In the global drive toward sustainable development, environmental responsibility has become the cornerstone from which enterprises drive transformation and shape the future. China Coal Energy resolutely implements the new energy security strategy of "Four Reforms and One Cooperation," advancing ecological protection and resource efficiency through the coordinated development of its "coal-power-chemical-new energy" industrial system and a holistic strategic approach, actively building a development model that coexists harmoniously with nature.

Addressing Climate Change	22
Environmental Compliance Management	35
Pollutant Prevention and Control	40
Circular Economy	44
Energy Utilization	47
Ecosystem and Biodiversity Conservation	52
Water Resources Utilization	54



Addressing Climate Change

China Coal Energy actively advances the national "dual carbon" goals, proactively identifying climate-related risks and opportunities in the context of the green transformation of coal-related industries. The Company focuses on "Efficiency Enhancement and Incremental Transformation," innovatively explores pathways for low-carbon integrated energy development, advances the "Dual Integration" model, builds the "Dual Counterbalancing" mechanism, continuously strengthens climate risk management and response strategies, and resolutely pursues a path of green, low-carbon, and high-quality development, contributing China Coal's strength to achieving the national "dual carbon" goals.

Governance

The Company attaches great importance to climate change and has established, and continues to refine, a climate governance framework covering three levels: decision-making, management, and execution. At the decision-making level, the Board of Directors and the Safety, Health and Environmental Protection Committee (ESG Committee) provide strategic leadership and top-level design for climate-related matters. The Board receives at least one report from management on ESG-related work each year to review and assess climate-related impacts. At the management level, the executive management team is responsible for building the governance system and coordinating implementation across the organization. This includes promoting the integration of climate governance requirements across departments and regularly reporting progress and major issues to the Board. At the execution level, individual departments and subsidiaries are responsible for technological advancement and value realization, implementing specific climate action initiatives and related tasks. Through effective vertical management and horizontal coordination, the Company ensures that climate-related issues are adequately supervised, controlled, and implemented, supporting long-term sustainable development and value creation. The Company has incorporated climate-related indicators—such as ecological and environmental protection and energy conservation—into the performance evaluation system for senior management, with performance outcomes directly linked to executive remuneration.

In 2025,

the Board of Directors held meetings specifically addressing climate-related matters

2

reviewed proposals

3

received management report

1

and participated in ESG and climate-related training organized by the Beijing Association for Public Companies and other organizations.



Strategy

Climate-Related Risks and Opportunities

The Company conducted a comprehensive review of regulatory requirements and on-site investigations to identify and assess climate-related risks and opportunities across its four major business segments — coal, chemical, equipment manufacturing, and power generation — and developed targeted response strategies for each.

List of Climate-Related Physical Risks

Types of Risk	Risk Items	Potential Impact on Stakeholders	Potential Impact on the Company	Response Strategies
Acute risk	Extreme precipitation	<p>Employees: It is more difficult to work outdoors.</p> <p>Customers: Downstream customers with high demand for production continuity are facing operation and coordination pressure.</p>	<p>Coal business: This results in the temporary interruption of open-pit coal mining, which affects coal production and resulted in a decline in revenue.</p> <p>Coal business, chemical business, equipment manufacturing business: The high-intensity rainfall affects the logistics of downstream transportation and sales, resulting in a decline in revenue.</p>	<ul style="list-style-type: none"> Strictly implement the disaster weather warning and duty system, and strengthen emergency drills. Improve the flood control and drainage system in the mining area, and formulate a plan for resuming production after being forced to stop production. Strengthen the coordination of inventory and transportation, and dynamically adjust the supply plan according to rainfall conditions.
	Extremely hot weather	<p>Employees: Increased risk of heat stroke among outdoor workers.</p>	<p>Chemical business: This affects temperature-sensitive chemical processes, reduce product stability, and cause cost increase.</p> <p>Coal business, chemical business, equipment manufacturing business and power generation business: This leads to an increase in the cooling load of facilities and equipment, which affects the operating efficiency and increases the cost.</p>	<ul style="list-style-type: none"> Avoid high-temperature during outdoor working hours, implement a high-temperature rest system, and provide cooling facilities and high-temperature labor protection supplies. Implement the automation upgrade and process optimization of the temperature control system, and start the backup cooling facilities if necessary. Strengthen cooling system maintenance and spare parts preparation, and update and replace some high-load cooling equipment.
	Extremely cold weather	<p>Employees: Outdoor homework is more difficult.</p> <p>Customers: Downstream customers with high demand for production continuity are facing operation and coordination pressure.</p>	<p>Coal business: This results in a temporary interruption of open-pit coal mining, affecting coal production and resulting in a decline in revenue.</p> <p>Coal business, chemical business, equipment manufacturing business and power generation business: Icing of facilities and equipment affects production stability, resulting in higher costs and lower revenue.</p> <p>Coal business, chemical business, equipment manufacturing business: Snow on roads affects downstream transportation and sales logistics, resulting in a decline in revenue.</p>	<ul style="list-style-type: none"> Implement the low-temperature work stop and rotation system, and provide warm labor protection products such as cold-proof clothing. Reserve anti-slip and snow removal materials, and formulate a plan for resuming production after being forced to stop production. Strengthen anti-freezing and heat insulation measures for facilities and equipment. Strengthen inventory and transportation management, and coordinate supply plans with customers.

List of Climate-Related Transition Risks

Types of Risk	Risk Items	Potential Impact on Stakeholders	Potential Impact on the Company	Response Strategies
Acute risk	Strong wind weather	Employees: Outdoor work is more difficult.	Coal business, chemical business, equipment manufacturing business and power generation business: This results in damage to plant, facilities and equipment, resulting in loss of assets, increase in costs and decrease in revenue.	<ul style="list-style-type: none"> Start outdoor stop and operation protection during strong wind warning, and organize personnel to evacuate. Regularly reinforce and overhaul the factory, facilities and equipment, and transform them if necessary to ensure the safety of factory facilities and personnel.
	Water shortage	Community: Water resources for residents' living and agriculture may be affected.	Chemical business, power generation business: This leads to an increase in the cost of water used in the cooling system, and in severe cases may lead to a reduction in production, resulting in a decrease in revenue.	<ul style="list-style-type: none"> Strengthen communication with local governments and communities, and give priority to ensuring community domestic water. Promote water-saving and water recycling technologies to improve water resources utilization efficiency. Formulate emergency plans, adjust the production rhythm and load in a timely manner, and ensure stable production, safety and environmental protection and controllability.
	Mean temperature rise	Less impact on stakeholders.	Coal business, chemical business, equipment manufacturing business and power generation business: This leads to an increase in the cooling load of facilities and equipment, which affects the operating efficiency and increases the cost.	<ul style="list-style-type: none"> Perform continuous overhaul and maintenance of the cooling system, assess load levels, and modify or replace overloaded facilities and equipment.
Chronic risk	Rising sea level ⁵	Less impact on stakeholders.	The Company's assets are mainly located in inland areas, which are less affected by sea level rise.	<ul style="list-style-type: none"> Fully consider the potential risks of future sea level rise when selecting a site for a new project.

⁵ This risk is relatively low and is not currently regarded as a material risk of the Company.

Types of Risk	Risk Item	Potential Impact on Stakeholders	Potential Impact on the Company	Response Strategies
Market risk	Coal demand and price fluctuations	Customers: If the Company's products fail to effectively meet the market demand, it may aggravate the uncertainty of downstream customers' procurement.	<p>Coal business: The energy transition has led to volatility in coal demand and price, affecting downstream sales, resulting in a decline in revenue.</p> <p>Equipment manufacturing business: As a result, the demand for equipment decreases and orders decrease, resulting in a decrease in revenue.</p>	<ul style="list-style-type: none"> Dynamically optimize product structure, accurately adapt to terminal demand, optimize coal quality improvement and processing, implement basic management of coal quality, and improve supply quality. Promote the development of equipment manufacturing business towards high-end, intelligent and high value-added products.
		Government: If the Company fails to meet the compliance requirements under tightening regulations, it may affect the implementation of relevant policies of the local government.	<p>Coal business: The National Energy Administration issued the <i>Guiding Opinions on Regulating Total Coal Production and Optimizing Industrial Layout</i>, which calls for the elimination of outdated coal production capacity and sets stricter approval requirements for new coal mine projects. Further tightening of policies and regulatory requirements in the future may lead to the closure of the Company's existing capacity or affect the approval and development of new projects, potentially resulting in a decline in revenue.</p> <p>Power generation business: The National Development and Reform Commission and the National Energy Administration issued the <i>Action Plan for Low-Carbon Transformation and Construction of Coal-Fired Power Units (2024-2027)</i>, which sets requirements for the low-carbon retrofitting of existing coal-fired power units and the low-carbon development of newly built units. Further tightening of policies and regulatory requirements in the future may lead to adjustments in the Company's coal-fired power business, potentially resulting in a decline in revenue.</p> <p>Chemical business: The <i>Notice on Promoting the Healthy Development of the Modern Coal Chemical Industry (FGI Industrial [2023] No.773)</i> issued by the National Development and Reform Commission requires strict control over new capacity in the chemical sector, optimization of industrial layout, and the upgrading of existing capacity. In addition, the <i>Benchmark and Baseline Levels for Key Areas of Clean and Efficient Coal Utilization (2025 Edition)</i> includes coal-to-liquids and coal-to-gas as key areas, raising standards for energy efficiency and carbon emissions management. In the future, tighter policies and regulatory requirements may require the Company to invest additional funds in energy-saving upgrades, potentially leading to higher operating costs.</p>	<ul style="list-style-type: none"> Closely track changes in policies and regulations, conduct strategic layout and business adjustment in advance; strengthen lean management and production capacity optimization, improve operational efficiency and resource utilization, and orderly promote the exit of outdated production capacity and the transformation of mining areas. Actively respond to requirements for low-carbon transformation of coal-fired power, promote renewable energy replacement for auxiliary power and self-provided power plants, accelerate flexibility and low-carbon transformation; develop wind power and photovoltaic power generation projects, and speed up the formation of complementary advantages with existing coal-fired generating units. Continuously save energy and reduce consumption of existing projects through refined management and technological transformation; extend and supplement the industrial chain of existing products and increase the proportion of high-end products; construct new projects in the direction of "high-end, green and low-carbon", and adopt advanced processes and carbon reduction technologies to lower energy consumption and carbon emissions of products.
Policy and regulatory risks	Stricter supervision			

List of Climate-related Opportunities

Types of Risk	Risk Item	Potential Impact on Stakeholders	Potential Impact on the Company	Response Strategies
Policy and regulatory risks	Carbon market risks	Government: If the Company fails to complete the clearance of carbon quota, it will affect the carbon market fulfillment rate of local governments.	Chemical business, power generation business: As a high-emission industry, the chemical industry is likely to be included in the national carbon market in the future, while the power business has been included in the national carbon market. In the case of carbon quota gap and rising carbon price, the Company needs to purchase additional carbon quotas, resulting in rising costs.	<ul style="list-style-type: none"> Closely track changes in carbon market policies and regulations, strengthen carbon asset management, optimize trading strategies and reduce compliance costs.
		Government: If the Company is unable to continuously reduce carbon emissions through new technologies in time, it may indirectly affect the local government's achievement of the dual control target of total carbon emissions and intensity.	Chemical business, power generation business: High energy consumption and high emission technologies and facilities are under phase-out pressure, resulting in asset loss and revenue decline. Companies need to increase the research and development of low-carbon technologies such as CCUS. The transformation of the original production line and the application of new technologies such as CCUS have led to an increase in capital investment.	<ul style="list-style-type: none"> Increase investment in low-carbon technology research and development, and actively carry out industry-university-research cooperation. Closely track the development of cutting-edge low-carbon technologies, strengthen cooperation with first-class scientific research institutions at home and abroad, and promote the construction of demonstration projects in due course.
Technical risks	Low-carbon technology risks			



Opportunity Item	Potential Opportunities or Impact on Stakeholders	Potential Opportunities for the Company	Response Strategies
Products and services	Customers: If the Company increases the R&D and supply of green and low-carbon products, it will better meet the emission reduction needs of downstream customers and consolidate the market share of the Company's products and services.	Coal business: Customers' demand for refined and customized coal blending services increased, which increased the revenue of coal business.	<ul style="list-style-type: none"> Build a new coal supply system to provide customers with high-quality coal washing, accurate coal blending and customized services.
		Chemical business: As the market demand for high value-added chemical products and green chemicals increases, the Company can upgrade the chemical industry structure and seize development opportunities.	<ul style="list-style-type: none"> Actively develop green chemical industries such as green hydrogen, green ammonia and green methanol, and promote green chemical industry to empower the transformation and upgrading of traditional chemical industry.
Energy efficiency	Government: If the Company actively responds and implements relevant policies, it will help local governments to achieve carbon emission and energy consumption control targets.	Power generation business: The <i>Guiding Opinions on Promoting the Integration and Development of Coal and New Energy</i> issued by the National Energy Administration systematically put forward the main application scenarios and key development directions of the integration of coal and new energy, and the Company's new energy business has development opportunities.	<ul style="list-style-type: none"> Promote the integration of wind, solar, thermal and storage, expand the application of distributed energy and energy storage, enhance the ability of new energy consumption and marketization, and build a new energy business system with synergistic advantages.
		Coal business, chemical business, equipment manufacturing business and power generation business: Continuously optimize the operating efficiency of facilities and equipment through the combination of hardware and software, and reduce production energy costs.	<ul style="list-style-type: none"> Actively promote energy-saving and low-carbon technologies such as cascade utilization of thermal energy, recovery of waste heat and pressure, efficient transformation of equipment, and recycling of resources, so as to improve the energy utilization efficiency of the production process.
Green finance	Government: If the Company actively responds to the relevant incentive policies, it will help facilitate their effective implementation while providing practical support and feedback on their policy value.	Company level: The <i>Catalogue of Green Finance Supported Projects (2025 Edition)</i> provides a policy basis for green finance. The Company's carbon reduction businesses such as manufacturing and application of high-efficiency energy-saving equipment, energy-saving and carbon reduction transformation, and waste heat recovery can be supported by green finance.	<ul style="list-style-type: none"> Strengthen research on green financial policies, make timely use of green financial instruments, and expand diversified financing channels. Scientifically judge the financing environment, optimize the allocation of funds, and support the construction of low-carbon projects.
Good reputation and quality brand image	Limited impact on stakeholders.	Company level: The Company actively responds to the national "dual carbon" goals and promotes green transformation, which can build a responsible brand image.	<ul style="list-style-type: none"> Enhance the dissemination of green actions, enhance the perception of customers and the public, and build a responsible brand image of China Coal.

Climate Scenario Analysis

The Company uses climate scenarios provided by authoritative international institutions to conduct analytical work, identify the Company's vulnerable businesses and assess the financial impact of climate-related risks.

Scenario and Time Selection

Climate Scenario Selection

Types of Climate Change Scenario	Selected Scenario	Key Assumptions of Scenario	Parameters
Physical scenario	SSP1-2.6 ⁶	Low-emission scenario: The world follows the path of sustainable development and synergistically takes strong climate action to achieve rapid emission reduction and low-carbon transition.	<ul style="list-style-type: none"> • Maximum daily temperature • Daily minimum temperature • Maximum surface wind speed • Precipitation • Water resource pressure • Average surface temperature
	SSP5-8.5 ⁷	High emissions scenario: The world continues to take a fossil fuel-intensive development path, economic growth depends on high-carbon energy, and climate policies are missing or weak.	
Transition scenario	STEPS ⁸	Stated Policies Scenario: Countries implement only the announced climate and energy policies, with no additional new commitments.	<ul style="list-style-type: none"> • Coal price • Carbon price • Coal demand
	NZE ⁹	Net Zero Emissions Scenario 2050: Take the strictest action globally to ensure net zero energy-related CO2 emissions by 2050, keeping temperature rise within 1.5° C.	

Aligning with the national "dual carbon" goals and its strategic planning, the Company defined the following time horizons for its climate assessment. The short-term period (2026–2030) aligns with the Company's 15th Five-Year Plan and the national carbon peak target, laying the groundwork for subsequent deep emission reductions. The medium-term period (2031–2035) follows the 16th Five-Year Plan and aligns with the time frame of the National Climate Change Adaptation Strategy 2035 issued by the Ministry of Ecology and Environment, addressing medium-term internal and external carbon reduction demands. The long-term period (2036–2060) matches the national carbon neutrality goal, keeping the Company's long-term strategy in sync with national policy.

Time Horizon



⁶ The SSP series of scenarios is a series of hypothetical scenarios proposed by the IPCC (United Nations Intergovernmental Panel on Climate Change) to assess possible paths for future GHG emissions and climate change. Where SSP1 denotes the sustainable development scenario and 2.6 denotes the stabilization of the radiative forcing at 2.6 W/m² by 2100. SSP1-2.6 belongs to the low-emission scenario, corresponding to a global average temperature increase of approximately 1.8 ° C by 2100.

⁷ SSP5 represents a high energy consumption development scenario driven by fossil energy, and 8.5 represents a rise in radiative forcing to 8.5 W/m² by 2100. SSP5-8.5 belongs to the high emission scenario, corresponding to a global average temperature increase of approximately 4.4° C by 2100.

⁸ STEPS (Stated Policies Scenario) is a scenario proposed by the International Energy Agency (IEA), representing the future scenario where countries only implement announced climate and energy policies.

⁹ NZE (Net Zero Emissions) is a scenario proposed by the International Energy Agency (IEA), representing the future scenario where the world achieves energy-related net zero emissions by 2050.

Climate Model Analysis

Using global climate models, the Company simulated the projected frequency and intensity of extreme weather events at locations hosting significant assets across its four major business segments, developed risk matrices, and identified the key regions within each business segment most exposed to physical climate risks.

Areas Vulnerable to Physical Risks

Physical Risk	Affected Businesses	Major Affected Areas
Extreme rainfall	Coal business	Shuozhou, Linfen, Yuncheng, Xuzhou
	Chemical business	Shuozhou
	Equipment manufacturing business	Beijing, Zhangjiakou
Extremely hot weather	Coal business	Taiyuan, Linfen, Yuncheng, Xuzhou
	Equipment manufacturing business	Beijing
	Power generation business	Xuzhou, Yuncheng, Jincheng
Extremely cold weather	Coal business	Harbin, Datong, Shuozhou, Taiyuan, Yulin, Ordos, Changji Hui Autonomous Prefecture
	Chemical business	Shuozhou, Yulin, Ordos
	Equipment manufacturing business	Zhangjiakou
	Power generation business	Shuozhou, Ordos, Changji Hui Autonomous Prefecture
Strong wind	Coal business	Xuzhou, Yulin, Ordos, Changji Hui Autonomous Prefecture
	Chemical business	Yulin, Ordos
	Equipment manufacturing business	Zhangjiakou
	Power generation business	Xuzhou, Ordos, Changji Hui Autonomous Prefecture
Water shortage	Chemical business	Shuozhou, Yulin, Ordos
	Power generation business	Xuzhou, Jincheng, Shuozhou, Ordos, Changji Hui Autonomous Prefecture

Financial Impact Assessment

The Company conducts financial analysis of climate risks by combining historical data and scenario analysis. The results show that in terms of current financial impact, climate-related risks have no material impact on the Company's current financial position, operating results and cash flows, and are not expected to have a material impact on the Company's key financial indicators in the coming year. In terms of expected financial impact, under the selected scenarios, if no additional mitigation measures are taken, certain physical risks, particularly extreme precipitation and extreme temperatures, could have some financial impact on the Company, though the overall exposure remains manageable. Among transition risks, coal demand and price volatility present significant financial exposure for the coal business under the selected scenarios, primarily through sustained price declines. Carbon market risks present significant financial exposure for the power generation business and chemical business, driven by sustained carbon price increases and the progressive tightening of carbon quotas. In summary, coal demand and price volatility risk and carbon market risk carry high financial materiality and require priority attention and management.

Financial Impact Analysis Results of Climate Risks

Risk Categories	Risk Items	Current Financial Impact	Potential Financial Impact			Financial Materiality
			Short term	Medium term	Long term	
Physical risk	Extreme precipitation	Moderate impact	Low	Low	Low	Low
	Extremely hot weather	Limited impact	Low	Low	Low	Low
	Extremely cold weather	Limited impact	Low	Low	Low	Low
	Strong wind weather	Basically no impact	Unable to quantify accurately			Low
	Water shortage	Basically no impact	Unable to quantify accurately			Low
	Average temperature rise	Basically no impact	Low	Low	Low	Low
Transition risk	Market risk -Demand and coal price fluctuations	Moderate impact	High	High	High	High
	Policy and regulatory risks -Tightened regulation	Basically no impact	Unable to quantify accurately			Low
	Policy and regulatory risks -Carbon market risk	Limited impact	Mid	High	High	High
	Technical risks -Low carbon technology risks	Basically no impact	Low	Low	Low	Low

Currently, the Company is gradually refining the financial statistical metrics related to climate risks and opportunities by classifying and marking assets, business activities and capital utilization associated with climate risks and opportunities. Going forward, the Company will regularly disclose relevant data based on a more mature accounting mechanism.

¹⁰ The climate-related financial impact assessment is based on the scientific scenarios issued by the IPCC and the IEA. Constrained by the limitations of climate models in predicting local physical risks, the uncertainty in the evolution of global emission reduction policies, and changes in the commercialization pathways of low-carbon technologies, the actual financial impact may deviate from the simulation results.

Risk Management

The Company continues to embed climate change response as a priority within its corporate development strategy and has established rigorous climate-related risk management practices. By advancing the organic integration of risk assessment and risk management, the Company is progressively developing a comprehensive climate change risk management mechanism to achieve systematic and standardized oversight and control of all climate-related risks.

Climate Risk Management



Metrics and Targets

The Company actively aligns with China's "dual carbon" goals by systematically planning our low-carbon transition pathway, optimizing its industrial structure, strengthening green technology innovation, and continuously improving energy efficiency. The Company aims to achieve peak carbon emissions around 2030 and, by steadily reducing carbon emission intensity, contribute to the realization of the national carbon neutrality by 2060.

Monitoring, statistical reporting and assessment mechanism of energy conservation and carbon reduction

The Company fully recognizes the critical role of carbon emission data management in achieving the "dual carbon" goals. It has formulated and published the Interim Measures for Carbon Emission Management, defining organizational responsibilities, data management requirements, and other core provisions, and establishing a three-tier management system under which grass-roots units own primary responsibility, secondary enterprises manage execution, and Company headquarters exercises supervisory oversight. Leveraging the "China Coal Intelligent Control" platform, the Company consolidates its data foundation through monthly accounting, quarterly summaries, and annual inventories, and regularly delivers carbon management capability training to continuously raise the professional competence of personnel at all levels, providing a solid foundation for the orderly pursuit of carbon reduction.

Carbon Market Participation

The Company strictly fulfils its obligations as a carbon market compliance entity and maintains a 100% compliance rate in the national carbon market. It actively develops a pipeline of voluntary emission reduction projects, including new energy hydrogen production, low-concentration coal mine methane utilization, and forestry carbon sink initiatives.

Green Electricity Trading

All subsidiaries actively participate in green electricity and green certificate trading, continuously growing the Company's renewable energy consumption. In 2025, the Company's total green electricity consumption reached 980 million kWh, with renewable energy accounting for 19% of total electricity consumption.

GHG Emissions Data

The Company's greenhouse gas emissions accounting is mainly based on the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions for Coal Production Enterprises in China (Trial)* and accounting guidelines for other applicable businesses. The operational control approach is adopted to determine the emission boundary, and calculations are carried out based on the Company's actual activity level data and emission factors.

Total GHG Emissions		2025	2024	2023
	Unit			
Total GHG emissions¹¹	10,000 tCO ₂ e	4,905	4,541	4,677
—Total direct GHG emissions (Scope 1)	10,000 tCO ₂ e	3,993	3,612	3,708
—Total indirect GHG emissions (Scope 2)	10,000 tCO ₂ e	912	929	969
GHG emission intensity	tCO ₂ e/RMB 10,000	5.34	4.71	4.74

In 2025, the Company completed its climate scenario analysis and actively advanced Scope 3 GHG emission accounting. It identified priority Scope 3 accounting categories for each business segment and developed implementation plans for each category. Going forward, the Company will progressively expand and refine the accounting framework in accordance with regulatory requirements and work progress, providing accurate data support for supply chain low-carbon transformation and full value chain carbon management.

Low-carbon Transition and Development

The Company has thoroughly implemented the major strategic decisions and arrangements of the CPC Central Committee and the State Council on "dual carbon." While safeguarding national energy security, the Company drives systemic transformation through industrial structure optimization, supports industrial decarbonization through green technological innovation, and resolutely advances its green, low-carbon transition.

Optimizing Industrial Layout

Adhering to the development philosophy of "Efficiency Enhancement and Incremental Transformation," the Company actively advances "Dual Integration+," focuses on building the "Dual Counterbalancing" mechanism, continues to optimize its industrial structure, and accelerates the development of a modern energy system anchored in coal with multi-energy complementarity, forging a high-quality development path with distinctive China Coal characteristics.

Deepen the integration of "coal and coal-fired power" to consolidate the foundation of energy supply

The Company keeps strengthening, improving, and growing its core coal business, vigorously advancing coal-coal-fired power integration and extending the "coal-power-chemical-new energy" industrial chain. During the 14th Five-Year Plan period, coal-fired power installed capacity achieved rapid growth, significantly enhancing power supply assurance capability and industrial chain coordination.

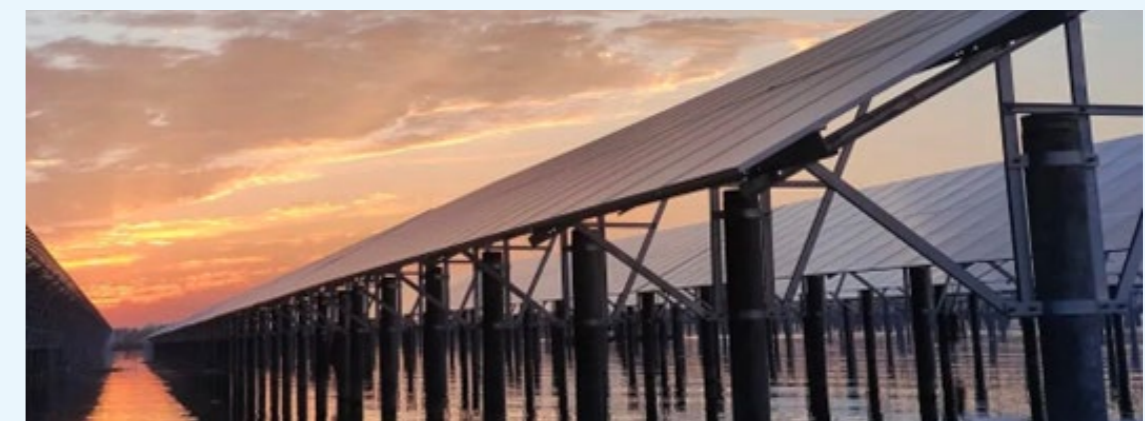
¹¹ The scope includes four major businesses: coal, chemical, equipment manufacturing and power generation.

Expand the dual integration of "coal-fired power and new energy" to accelerate the pace of green transition

The Company closely monitors renewable energy development opportunities and actively deploys coal-fired power-new energy joint operations. During the 14th Five-Year Plan period, the Company proactively responded to the changing energy landscape, building wind power, solar photovoltaic, and other clean energy projects to optimize the energy supply structure, growing the new energy business from zero to meaningful scale, and advancing the Company's transformation from a coal-centric enterprise to a comprehensive energy Company, continuously strengthening its capacity to safeguard national energy security.

Case Shanghai Energy Company Accelerates Its Integrated "Generation-Grid-Load-Storage" Demonstration Base

Building on the Peixian incremental distribution network as its foundation, Shanghai Energy Company comprehensively advanced the construction of a "Generation-Grid-Load-Storage" demonstration base. On the source side, the 165,000 kW photovoltaic project in the Longdong coal mining subsidence area came online and connected to the grid, bringing total installed new energy capacity to 468,000 kVA. On the grid side, Datun Power Grid simultaneously implemented five grid upgrade projects, deploying intelligent transformations including incremental distribution network automation and remote-control telemetry with unattended operation. On the load side, the Company actively expanded electricity demand through targeted incentive policies, adding 232,000 kVA of registered capacity and stimulating the electricity consumption market. On the storage side, the Company advanced feasibility assessments for molten salt energy storage, electrochemical energy storage, and CO₂ energy storage solutions, successfully commissioned a 32.8 MWh electrochemical energy storage project, and simultaneously began constructing a molten salt energy storage power station. The integrated "Generation-Grid-Load-Storage" system has cumulatively generated over 1.1 billion kWh of electricity, equivalent to reducing CO₂ emissions by approximately 900,000 tonnes, and earned selection as a national intelligent photovoltaic pilot and demonstration project. Full-chain coordination across source, grid, load, and storage has significantly enhanced the Company's new energy absorption capacity and grid regulation capability.



Shanghai Energy Company "Generation-Grid-Load-Storage" Integrated Demonstration Base

Explore the dual integration of "new energy and chemical industry" and develop new green business formats

The Company fully leverages the competitive advantages of upstream and downstream industrial clusters in energy-rich regions, developing off-grid photovoltaic green power-to-green hydrogen and related industries, advancing the coupling of green hydrogen, biomass, and other green feedstocks with traditional chemical processes, and actively developing green chemical industries, including green hydrogen, green ammonia, and green methanol, to lay the foundations for new green development formats.

Ordos Energy Chemical Company launched its "Liquid Sunshine" CO₂-to-methanol demonstration project, with the 100,000-ton-per-year facility commencing construction at a total investment of approximately RMB 4.474 billion. This project represents the coal industry's first fully industrialized end-to-end process for converting CO₂ and green hydrogen into methanol with 100% proprietary intellectual property.

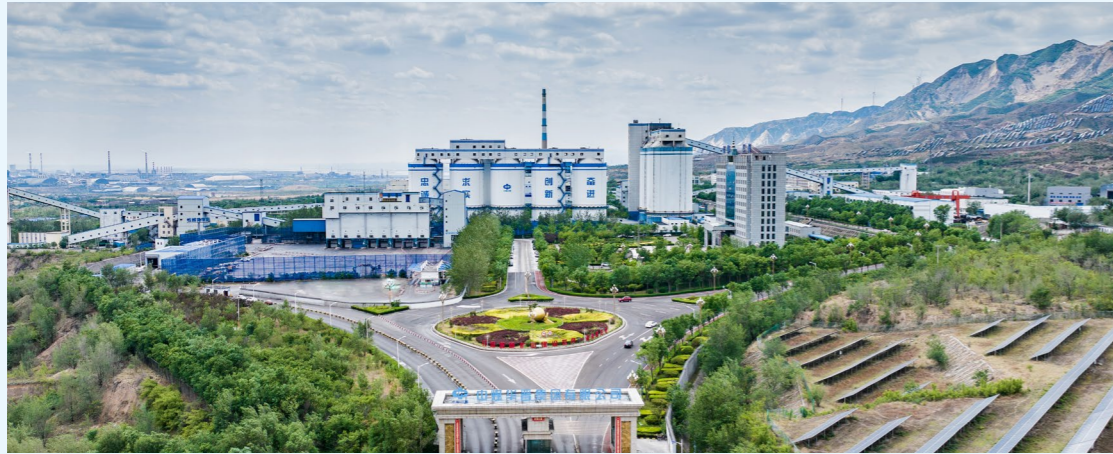
The China Coal Yulin Coal Deep Processing Base Project involves a total investment of about RMB 23.888 billion. The project includes the construction of facilities with an annual capacity of 2.2 million tonnes of methanol, 900,000 tonnes of polyolefins, and 250,000 tonnes of LDPE/EVA downstream extension units. Upon completion, the project is expected to create employment for over 10,000 people, effectively promoting the Company's industrial structure upgrading and supporting the high-end and low-carbon development of the chemical industry.

Green Technology Innovation

The Company practices the principles of green and low-carbon development, promoting the deployment of green mining, energy-saving transformation, carbon sequestration, and other technologies, and thoroughly implementing its innovation-driven development strategy to forge the "technology engine" of green transformation. Advancing the "science-technology-engineering-market" conversion pathway, the Company jointly established a coal energy enterprise innovation and development fund with the National Natural Science Foundation of China, co-built an Energy Low-Carbon Innovation Center with the Beijing-Tianjin-Hebei National Technology Innovation Center, and focuses on cultivating disruptive technologies and strategic emerging industries, actively building a source of original technologies in the green and low-carbon field of the coal industry, leveraging green technology innovation to drive industrial decarbonization and advance green, low-carbon, high-quality development.

Case Huajin Group Advances Green, Low-Carbon Mining Through Intelligence and Circularity

With intelligent technology and circular resource utilization as its twin pillars, Huajin Group systematically drives the low-carbon transformation of its mining operations. In the extraction process, the Company deploys its self-developed "5G + Intelligent Follow-up Coal Drawing System," which improves mining efficiency while simultaneously reducing gangue output at source and lowering indirect carbon emissions from the mining stage. In gangue management, the Company reduces particle size and transports waste gangue hydraulically to backfill mined-out areas, achieving zero underground gangue discharge. The Company fully recycles and reuses all mine water and domestic wastewater, significantly reducing the energy consumption and carbon footprint associated with water treatment. Through the integrated application of intelligent systems, source emission reduction, and circular resource utilization, Huajin Group has built a green, safe, and low-carbon modern mining model.



Panoramic View of Wangjialing Industrial Plaza of Huajin Group

Practicing Green Finance and Empowering Low-carbon Transition

The Company consistently regards green finance as a key enabler of its green and low-carbon transition. By actively developing a green finance management framework, continuously optimizing green credit allocation, and building a systematic internal and external collaborative ecosystem, the Company effectively channels financial resources toward clean energy projects and the green upgrading of traditional industries. By the end of 2025, the Company's affiliated finance companies had issued a cumulative total of 52 green loans to wind power, photovoltaic, and other new energy construction projects and resource recycling initiatives, totaling RMB 2.05 billion, injecting powerful momentum into the Company's green, low-carbon transformation and sustainable development.

During the 15th Five-Year Plan period, the Company will maintain its commitment to the "dual carbon" goals, using the 2035 nationally determined contribution target as its guiding benchmark. It will implement its low-carbon transition pathway with scientific rigor, continue positioning itself for future development, advance a series of energy-saving and carbon reduction programs, and accelerate green transformation and upgrading across the full industrial chain and entire product lifecycle, laying a solid green foundation for building a world-class energy enterprise and contributing China Coal's strength to national energy security and green, low-carbon development.

Environmental Compliance Management

China Coal Energy thoroughly studies and implements the principles of ecological civilization, resolutely executes the CPC Central Committee's and State Council's decisions on ecological and environmental protection as well as the requirements of the State-owned Assets Supervision and Administration Commission, and firmly upholds and practices the conviction that "lucid waters and lush mountains are invaluable assets." The Company treats the strengthening of ecological and environmental protection as an inherent component and critical enabler of high-quality development, continuously deepening the green foundations of its growth. It strictly complies with all national environmental protection laws and regulations, continuously refines its ecological and environmental protection management system, deeply integrates compliance requirements into all aspects of the Company's decision-making and operations, and continuously strengthens its capability to manage and control ecological and environmental risks.

Governance

The Company firmly upholds and implements the philosophy of green development, adhering to integrated, systematic, and source-based governance approaches. It coordinates the relationships between high-quality development and high-standard ecological protection, upstream control and end-of-pipe treatment, as well as overall advancement and targeted breakthroughs. The Company has innovatively proposed green and low-carbon transformation pathways such as "producing coal without emitting carbon" and "coal-free chemical industry," while advancing the safe, clean, and efficient development and utilization of coal. By continuously enhancing both economic and environmental benefits, as well as corporate image and core competitiveness, the Company leverages high-level ecological protection to support high-quality development.

The Company integrates the requirements of ecological civilization into all aspects of its operations and management, strictly complying with national environmental laws, regulations, and policy requirements. In accordance with relevant laws and regulations such as the *Environmental Protection Law of the People's Republic of China* and the *Measures for the Supervision and Administration of Energy Conservation and Ecological and Environmental Protection by Central Enterprises*, the Company has formulated and implemented a series of internal policies, including the *Administrative Measures for Ecological and Environmental Protection*, the *Accountability System for Ecological and Environmental Protection*, the *Administrative Measures for Ecological and Environmental Protection in the Power Industry (Trial)*, the *Administrative Measures for Ecological and Environmental Protection in Equipment Manufacturing Enterprises*, and the *Administrative Measures for Environmental Protection in Coal Chemical Industry*, establishing and continuously improving a comprehensive ecological and environmental management system.

The Company places great importance on environmental compliance and governance, and has established an environmental governance framework with clearly defined responsibilities and efficient coordination. The Board of Directors is responsible for incorporating ecological civilization development and ecological environmental protection into the Company's overall development strategy, establishing and improving the ecological and environmental protection management system, and reviewing and approving medium- and long-term ecological and environmental protection plans. The Safety, Health and Environment Committee (ESG Committee) is responsible for overseeing the implementation of ecological and environmental protection plans and for studying and deploying the development of emergency management systems. A Leading Group for Energy Conservation and Ecological and Environmental Protection has also been established, chaired by the Company's principal leadership, to study and resolve major issues in the areas of energy conservation, ecological and environmental protection, and the "Dual Carbon" goals. The Company's Safety, Health and Environment Department and relevant functional departments, in accordance with their respective mandates, discharge ecological and environmental protection management responsibilities across their designated areas, supervising and guiding affiliated enterprises in the strict implementation of ecological and environmental protection policies and requirements, and overseeing the effective and robust fulfillment of environmental protection responsibilities and measures.

In 2025, the Company conscientiously fulfilled the principles that "whoever manages development, production, and operations must also be responsible for ecological and environmental protection" and "shared accountability between Party and government, and dual responsibilities for each post." It further clarified the division of environmental responsibilities across departments and subsidiaries, embedding environmental protection throughout all aspects and stages of operations. By strengthening accountability at every level and establishing a comprehensive responsibility system with full horizontal and vertical coverage and clearly defined roles, the Company ensured that all employees and management personnel effectively fulfilled their environmental responsibilities.



Governance Structure

Level	Body	Core Responsibilities
Governance level	Board of Directors	<ul style="list-style-type: none"> Implement Xi Jinping Thought on Ecological Civilization and the new development philosophy, carrying out the decisions and deployments of the Party Central Committee and the State Council on ecological and environmental protection, and adhering to national laws, regulations, policies, measures, plans, and standards on ecological and environmental protection; Responsible for incorporating ecological civilization construction and ecological environmental protection into the Company's development strategy; Organize the examination and approval of the Company's medium-and long-term plans for ecological and environmental protection, and decide on major issues of ecological and environmental protection of the Company; Establish and improve the Company's ecological and environmental protection management system, and organize the examination and approval of the Company's basic rules and regulations on ecological and environmental protection; Command the emergency treatment, investigation and handling of environmental emergencies and ecological environmental public opinion events; Perform other ecological and environmental protection duties stipulated by laws, regulations and superiors.
	Safety, Health and Environmental Protection Committee (ESG Committee)	<ul style="list-style-type: none"> Responsible for supervising the implementation of the Company's ecological and environmental protection work plan; Study major issues affecting the Company's ecological and environmental protection work, and understand and grasp the construction of the Company's emergency management system and emergency management mechanism.
	Energy Conservation and Environmental Protection Leading Group	<ul style="list-style-type: none"> Chaired by the Company's principal leader, with other leadership team members serving as deputy chairs, it implements Xi Jinping's Thought on Ecological Civilization and the decisions of the Central Committee of the CPC and the State Council regarding energy conservation, ecological and environmental protection, and "dual carbon" goal; Responsible for planning and deploying the Company's key energy conservation, environmental protection, and "dual carbon" initiatives, and for addressing major related issues.
Management level	Safety, Health and Environmental Protection Department and related functional departments	<ul style="list-style-type: none"> Safety, Health and Environmental Protection Department: Study and put forward major policies and important measures for ecological and environmental protection, and submit them to the leading group for consideration. Organize and carry out ecological and environmental protection inspections and special supervision. Report major issues of ecological and environmental protection to the leading group, and supervise the rectification and implementation of matters agreed at the leading group meeting; Each business division: implement the Company's ecological and environmental protection system and related requirements within the business scope, undertakes the ecological and environmental protection management functions of this segment, formulates and implements the implementation rules and annual work plans of ecological and environmental protection within the segment based on the business characteristics of the segment, is responsible for the daily environmental management within the segment, urges its affiliated enterprises to fulfill their environmental protection responsibilities, and assists in the investigation and rectification of environmental hazards; Other functional departments exercise designated management functions according to the division of responsibilities, and are responsible for the formulation, supervision and implementation of ecological and environmental protection systems.
	All subsidiaries	<ul style="list-style-type: none"> Strictly implement the ecological and environmental protection policies and requirements of the Company and its segments, and earnestly fulfill the main responsibility of environmental protection; Responsible for the daily management of ecological and environmental protection within the enterprise, ensuring that environmental risks are controllable, timely reporting and rectifying environmental hazards and problems; Responsible for formulating and implementing the ecological and environmental protection tasks of the enterprise, and improving the internal environmental management system and mechanism.
Execution level	All subsidiaries	<ul style="list-style-type: none"> Strictly implement the ecological and environmental protection policies and requirements of the Company and its segments, and earnestly fulfill the main responsibility of environmental protection; Responsible for the daily management of ecological and environmental protection within the enterprise, ensuring that environmental risks are controllable, timely reporting and rectifying environmental hazards and problems; Responsible for formulating and implementing the ecological and environmental protection tasks of the enterprise, and improving the internal environmental management system and mechanism.

This governance framework applies to the topics of [pollutant prevention and control](#), as well as [ecosystem and biodiversity conservation](#), addressed in this chapter.



Risk Management

In compliance with national regulations including the *National Emergency Plan for Environmental Emergencies*, the *Measures for Emergency Management of Environmental Emergencies*, and the *Measures for Information Reporting of Environmental Emergencies*, the Company regularly conducts investigations into ecological and environmental protection issues and runs special investigations targeting key areas and business fields. These investigations focus on wastewater, waste gas, solid and hazardous waste, noise, soil and groundwater, ecology, and environmental protection procedures. The Company strengthens closed-loop management across the entire process of investigation, rectification, and acceptance to ensure compliant enterprise operations.

In 2025, the Company carried out special inspections and rectifications to improve environmental protection. The inspections covered ecological and environmental awareness, implementation of primary responsibilities, environmental compliance management, pollution prevention and control, and ecological governance. For problems identified during the inspections, the Company strictly implemented the "Five Determinations"¹² principle¹². It clarified rectification objectives, time limits, responsible entities, and specific plans, forming a closed-loop management process from risk identification to rectification and closure, and continuously promoted ecological and environmental management.

Environmental Risk Identification and Control Process

Risk Level	Risk Identification Criteria	Hierarchical Management Process
Corporate-Level Issues	<ul style="list-style-type: none"> Funds for ecological and environmental protection rectification projects reach the Company's investment decision limit; Issues that may trigger major or above environmental emergencies as defined in the <i>National Emergency Plan for Environmental Emergencies</i>; Outstanding issues flagged by provincial-level or above government departments or raised by the public; Issues listed for Company-level supervision under the <i>Management Measures for Listing and Supervision of Ecological and Environmental Events (Trial)</i>; Issues subject to multiple local government penalties or exposed by central-level media. 	<ul style="list-style-type: none"> After the problem rectification plan is approved by the Energy Conservation and Ecological Environmental Protection Leading Group, it will be reported to the Safety, Health and Environmental Protection Department and relevant business departments of the Company for the record, and the Safety, Health and Environmental Protection Department will establish a problem supervision ledger; After the rectification of the problem is completed, the acceptance and cancellation of the problem are organized. After the enterprise completes the problem rectification and acceptance by itself, it is reported to the relevant business department of the Company for examination and approval, and the Safety, Health and Environmental Protection Department will close the case.

¹² "Five Determinations" principle refers to determining responsibilities, deadlines, standards, measures, and funding.

Risk Level	Risk Identification Criteria	Hierarchical Management Process
Secondary Enterprise-Level Issues	<ul style="list-style-type: none"> The funds for ecological and environmental protection rectification projects reach the investment decision limit of enterprises; Issues that may trigger general environmental emergencies as defined in the <i>National Emergency Plan for Environmental Emergencies</i>; Issues involving the ecological environment protection procedures of the project; General issues flagged by prefecture-level government departments or raised by the public; Issues subject to local government rectification orders, penalties, or exposure by local media. 	<ul style="list-style-type: none"> The enterprise's Energy Conservation and Ecological Environmental Protection Leading Group approves the rectification plan; After completing rectification, the enterprise organizes its own acceptance and ledger removal, then reports the outcome to the Company's relevant business departments and Safety, Health and Environmental Protection Department for filing.
Field Unit Issues	<ul style="list-style-type: none"> All issues not falling under the above categories. 	<ul style="list-style-type: none"> Upon completing rectification, the enterprise reports to its parent enterprise for filing.

The Company continues to strengthen the building of environmental emergency response capability, and its subsidiaries scientifically and rationally prepare or revise emergency plans for environmental emergencies, reserve environmental emergency equipment and materials as required, conduct emergency drills regularly, organize emergency training for environmental emergencies, and continuously improve emergency response capabilities.

In 2025, the Company compiled and issued materials including the *Compilation of Study Materials on Ecological Civilization Construction and the Manual on Ecological Environmental Protection* to comprehensively enhance the environmental governance awareness and sustainable development literacy of managers and employees at all levels. The Company actively embraced the ESG concept, organizing themed activities online and offline around key dates including "June 5th Environment Day," "National Low Carbon Day," and "National Ecological Day." The Company also held an essay collection activity to mark the 20th anniversary of the "Two Mountains" concept, promoting deep understanding of its core principles and continuously strengthening all employees' sense of responsibility for ecological and environmental protection.

Case Beijing Coal Mining Machinery Company Systematically Improves the Efficiency of Ecological and Environmental Protection Management

In 2025, Beijing Coal Mining Machinery Company systematically improved its ecological and environmental protection management efficiency through a series of measures: strengthening theoretical guidance, consolidating principal responsibilities, focusing on problem rectification, improving governance capabilities, and applying strict assessment and accountability. The Company strictly implemented the "First Topic" system, thoroughly studied and implemented the ecological civilization thought, and ran monthly safety and environmental protection meetings and quarterly safety committee meetings to assess situations and clarify goals. The Company issued annual work priorities, revised the environmental protection responsibility system covering all employees, signed responsibility letters at each level, incorporated key tasks into the annual plan with list-based management to ensure clear personal accountability. The Company passed 15 local environmental protection inspections cumulatively, carried out regular special inspections and unannounced spot checks, and maintained dynamic clearance of identified issues. The Company solidly advanced six key environmental protection projects, fully completed the upgrading and renovation of environmental protection facilities, effectively improved pollution control standards, and ensured stable and compliant pollutant discharge. The Company applied closed-loop management to all identified problems, strengthened the use of assessment results, implemented a reward and punishment mechanism, and enhanced all employees' commitment to fulfilling their environmental protection duties.

Metrics and Targets

The Company has deeply integrated environmental compliance management objectives into its corporate performance appraisal system. Drawing on national regulatory requirements and the Company's actual situation, the Company sets indicators and targets covering environmental emergencies, discharge of major pollutants, and comprehensive utilization rate of coal gangue. The Company systematically breaks down environmental compliance management indicators to each secondary enterprise and incorporates them into the Letter of Responsibility for Safety and Environmental Protection of Enterprise Leaders, ensuring targets cascade down through every level and accountability falls to every individual.

Environmental Compliance Management Target

Topic	Indicator	Target	Progress During Reporting Period	Target Achievement
Environmental Compliance Management	Comprehensive utilization rate of coal gangue (%)	90	98.5	Target achieved
	Occurrence of environmental emergencies	No significant or above-level environmental emergencies	No occurrences	Target achieved

In 2025, the Company experienced no significant or above-level environmental emergencies, with a total fine of RMB 500,000. The Company has since rectified all related issues.



Pollutant Prevention and Control

China Coal Energy anchors its strategy in green development, treating pollution prevention and control as a key driver. The Company adheres to precise, scientific, and law-based pollution control, focuses on strengthening source control, continuously strengthens pollutant prevention and resource utilization, and steadily advances its green transition goals.

Strategy

The Company regards pollution prevention and control as a key component of its sustainable development strategy, strictly adhering to the principles of targeted, science-based, and law-compliant pollution control. It has rigorously implemented measures for air pollution control, water pollution prevention, and solid waste management, striving to achieve a fundamental shift from end-of-pipe treatment to source prevention, process control, and resource recycling. The Company's pollutant emissions have had no impact on employees, local communities, or other stakeholders.

Risk Identification

In 2025, the Company sorted out the specific risks in pollutant prevention and control, formulated corresponding action plans, and regularly monitored and reported the possibility and impact of risks.

List of Pollutant Prevention and Control Risks

<p>Air pollution prevention and control risk</p>  <p>Waste gas treatment facilities at coal-fired power plants and chemical operations face operational stability challenges. During heavy pollution weather emergencies, the Company may need to restrict or halt production to mitigate pollution. Any gaps in controlling unorganized emissions from open-pit mines, storage yards, and transportation links may compromise regional air quality and trigger regulatory risk.</p>	<p>Water pollution prevention and control risk</p>  <p>The high cost of treating high-salinity mine water from coal mining requires continuous optimization of resource utilization technologies. The complex composition of chemical wastewater means that unstable advanced treatment and zero-discharge systems can create compliance risks. Incomplete separation of rainwater, sewage, and clean water in plant areas creates hidden risks of accidental discharge or initial rainwater contamination of water bodies.</p>	<p>Risks of soil and groundwater contamination</p>  <p>Chemical production areas, storage tank zones, wastewater collection pools, and hazardous waste temporary storage facilities all carry leakage risks that can cause long-term soil and groundwater contamination. Remediation costs are high, and insufficient anti-seepage measures create additional contamination risk. Such pollution tends to be concealed and cumulative in nature.</p>
<p>Solid waste management risk</p>  <p>Bulk solid wastes such as coal gangue, fly ash, and gasification slag are generated in large quantities, and the stability of comprehensive utilization channels remains insufficient. Long-term stockpiling occupies land and creates environmental risks. Improper management of hazardous waste during storage, transfer, or disposal can easily trigger secondary pollution and serious compliance incidents.</p>	<p>System compliance risk</p>  <p>Failure to handle and implement key environmental procedures, including environmental impact assessments, soil and water conservation reviews, project completion environmental acceptance, sewage discharge permits, and emergency plans, in a timely and lawful manner will result in project non-compliance and expose the Company to penalties or production suspension.</p>	

Risk Response

The Company strictly abides by core regulations including the *Environmental Protection Law of the People's Republic of China*, the *Law on the Prevention and Control of Atmospheric Pollution*, the *Law on the Prevention and Control of Water Pollution*, the *Law on the Prevention and Control of Environmental Pollution by Solid Waste*, and the *Law on the Prevention and Control of Noise Pollution*. The Company has established a comprehensive whole-process management system for pollutant prevention and control covering waste gas, wastewater, solid waste, and noise. Through systematic pollution treatment and emission control, the Company continuously reduce the impact of production and operation on the surrounding environment, and effectively protect the employees' health rights and interests as well as the safety of the community living environment.

Waste Gas

The Company strictly implements the *Law on the Prevention and Control of Atmospheric Pollution*, the *Emission Standard of Air Pollutants for Thermal Power Plants* (GB 13223-2011), and the *Emission Standard of Air Pollutants for Boilers* (GB 13271-2014), continuously advancing comprehensive air pollutant management. In 2025, the Company strengthened the operation and management of air pollution prevention and control facilities, advanced the treatment of flue gas and volatile organic compounds from power station boilers and coke ovens, tightened control of unorganized emissions from open-pit construction sites, coal storage yards, ash and slag yards, and coal gangue discharge yards. The Company promoted the "road-to-rail" shift for bulk goods transportation, new energy substitution for non-road mobile machinery and working vehicles in factory areas, and strictly implemented production and bulk material transportation control measures during heavy pollution weather, helping to improve air quality in key regions.

The Company attaches great importance to managing air pollutants including sulfur dioxide, nitrogen oxides, smoke and dust, and volatile organic compounds. The Company continuously strengthens the standardized construction and stable operation of waste gas treatment facilities, actively promotes comprehensive green transformations, including clean heating, charging heavy trucks, and new energy direct power supply in mining areas, and advances VOCs treatment waste heat utilization at chemical enterprises, continuously enhancing waste gas risk prevention and pollution control capabilities.

Wastewater

The Company strictly abides by the *Law on the Prevention and Control of Water Pollution* and other laws and regulations, and rigorously implements the *Pollutant Discharge Standard for the Coal Industry* (GB 20426-2006) and the *Comprehensive Sewage Discharge Standard* (GB 8978-1996). The Company continues upgrading industrial wastewater, mine water, and domestic sewage treatment to higher standards, and accelerates implementation of clean sewage separation, rainwater and sewage separation, and concentrated salt water advanced treatment projects in plant and mine areas, ensuring compliant discharge and working toward zero discharge. The Company continuously promotes quality-based water use, multi-purpose water utilization, and cascade utilization to improve the efficiency of water resource use.

Waste

In accordance with the *Law on the Prevention and Control of Environmental Pollution by Solid Waste*, the *Management Measures for Hazardous Waste Transfer Documents*, the *Pollution Control Standard for General Industrial Solid Waste Storage and Landfill* (GB 18599-2020), the *Pollution Control Standard for Hazardous Waste Storage* (GB 18597-2023), and the *Technical Guidelines for Formulating Hazardous Waste Management Plans and Ledgers* (HJ 1259-2022), the Company actively explores technologies and pathways for resource utilization of solid and hazardous wastes. The Company strictly implements whole-process supervision covering generation, storage, transfer, utilization, and disposal of solid and hazardous wastes to ensure legal compliance.

The solid wastes the Company generates consist primarily of hazardous wastes such as mixed salts, and general industrial solid wastes such as coal gangue. In 2025, for hazardous waste management, the Company established a full-process closed-loop management system covering storage, ledger maintenance, transfer, and disposal. The Company maintains a hazardous waste management ledger and entrusts qualified units to conduct safe transfer and compliant disposal. Through strict whole-process control, the Company continuously raises its hazardous waste management standards. For coal gangue, the Company continuously expands large-scale, high-value utilization channels, actively deploying it for power generation, building materials production, road construction, and ecological restoration. The Company promotes green mining technologies such as underground filling and separation grouting according to local conditions, and advances the comprehensive utilization of by-products including fly ash and slag. For solid wastes that cannot yet be utilized, the Company implements safe, standardized storage and disposal, fully pursuing the dual objectives of improving resource efficiency and preventing environmental risks.

Noise

The Company strictly abides by laws and regulations including the *Law on the Prevention and Control of Noise Pollution* and the *Environmental Noise Emission Standard at Industrial Enterprise Boundaries* (GB 12348-2008), and continuously strengthens noise and vibration control in plant and mine areas and surrounding sensitive areas. Through proactive regular monitoring, systematic implementation of sound insulation and noise reduction projects, including the installation of sound barriers and promotion of three-dimensional greening along factory boundaries, and optimization of production and operational management, the Company ensures that noise emissions consistently meet applicable standards.

Management of Impacts, Risks and Opportunities

The Company has established a risk management and control process covering the entire pollution prevention and control cycle under the framework of "strategic guidance – risk identification – systematic response". At the strategic level, the Company adheres to the principle of "targeted, science-based, and law-compliant pollution control" and promotes the shift from end-of-pipe treatment to source prevention. It systematically identifies five major categories of risks, including air, water, soil, solid waste and compliance risks, and develops targeted action plans. At the response level, the Company strictly implements national environmental protection laws and regulations, and carries out special governance for waste gas, wastewater, solid waste and noise respectively, so as to systematically reduce the environmental impact of operations and protect employee health and community safety.

Metrics and Targets

In 2025, the Company promoted pollutant prevention and resource utilization, and worked to achieve zero wastewater discharge.

Pollutant Emission Targets

Topic	Indicator	Target	Progress During Reporting Period	Target Achievement
Pollutant prevention and control	Hazardous waste compliance disposal rate (%)	100	100	Target achieved
	Comprehensive utilization rate of mine water (%)	90	97.8	Target achieved



In 2025, the Company accelerated clean energy replacement and boiler flue gas treatment, strengthened production and operations material reserves and logistics organization, and continuously advanced comprehensive control of open-air dust.

Waste Gas Emissions

Indicator	Unit	2025
Sulfur dioxide emissions	tonnes	1,672
Nitrogen oxide emissions	tonnes	3,448
Smoke emissions	tonnes	610
Total volatile organic compounds (VOCs) emissions	tonnes	4,124
Sulfur dioxide emissions per RMB 10,000 of output value	kg/RMB 10,000	0.18
NOx emissions per RMB 10,000 of output value	kg/RMB 10,000	0.38
Smoke emissions per RMB 10,000 of output value	kg/RMB 10,000	0.07

In 2025, the Company actively implemented wastewater treatment projects, strengthened the quality-based treatment and utilization of mine water and other wastewater, and further improved the wastewater reuse rate.

Wastewater Discharge

Indicator	Unit	2025
Total wastewater discharge	10,000 tonnes	552
Chemical oxygen demand emissions	tonnes	122
Ammonia nitrogen emissions	tonnes	7
Chemical oxygen demand emissions per RMB 10,000 of output value	kg/RMB 10,000	0.013
Ammonia nitrogen emissions per RMB 10,000 of output value	kg/RMB 10,000	0.001

In 2025, the Company continuously strengthened the comprehensive utilization of solid waste and hazardous waste management, and actively promoted the utilization of coal gangue through separation grouting, underground filling, and related technologies.

Generation of General Industrial Solid Waste (Including Hazardous Waste)

Indicator	Unit	2025
Hazardous waste generation	10,000 tonnes	22.9
Hazardous waste generation per RMB 10,000 of output value	kg/RMB 10,000	24.9
General industrial solid waste generation	10,000 tonnes	3,395
General industrial solid waste generation intensity	tonnes/RMB 10,000	3.70
General industrial solid waste—coal gangue generation	10,000 tonnes	2,655

The Company attaches great importance to protecting the acoustic environment surrounding its plants (mines). Three-dimensional green belts have been developed along plant (mine) boundaries to effectively achieve coordinated sound absorption, noise reduction, and ecological landscaping. Continuous monitoring shows that noise emissions at all monitoring points consistently meet the requirements of the *Emission Standard for Industrial Enterprises Noise at Boundary*. These measures have effectively reduced the impact on surrounding communities.

Circular Economy

Circular economy has become the core driving force behind China Coal Energy's green transformation. The Company is building a "coal-electricity-chemical-new energy" energy and comprehensive service circular economy demonstration base, strengthening resource recycling, integrating waste recycling and efficient resource utilization into its development plan, and deploying pathways for efficient resource utilization and waste recycling.

Strategy

Guided by the circular economy strategic concept of "industrial symbiosis and release of circular efficiency," the Company fully explores the characteristics of "three wastes" resources generated in coal, coal power, and chemical production processes. The Company commits to building an integrated, sustainable development model that achieves efficient resource utilization and integrated industrial development.

Risk identification and response

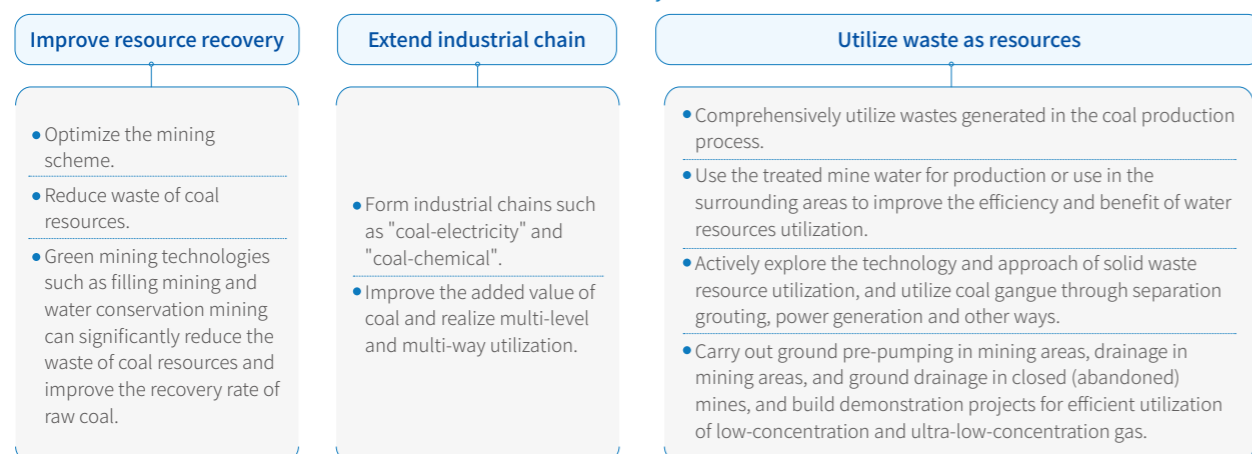
Through its risk management and control processes, the Company has identified key risks related to the circular economy, assessed their potential impacts across the value chain, and formulated targeted response measures to ensure the steady implementation of circular economy initiatives.

Circular Economy Risk List

Risk Type	Risk Description	Value Chain Impact
Risk related to the introduction of new materials or technologies	The initial investment required for new environmentally friendly packaging materials or circular packaging systems is relatively high. For example, customized reusable bulk bags may cost more than 30% higher per unit than single-use packaging, increasing the Company's costs.	If the unit procurement cost is significantly higher than that of traditional single-use packaging, this risk will directly increase procurement costs in the upstream purchasing stage of the Company's value chain.
	Some alternative packaging solutions may be incompatible with existing transportation equipment and warehousing processes, requiring additional modifications. When applied on a small scale, their economic viability may be relatively low.	During the Company's operations and manufacturing stages, this risk may increase operational complexity and retrofit costs.

The Company has formulated a systematic action plan for risks related to the circular economy, to identify, assess and manage potential risks, and ensure the coordinated advancement of efficient resource utilization and sustainable development.

Circular Economy Action Plan



The Company promotes green mining technologies such as backfill mining and water-preserved mining to improve the raw coal recovery rate, and extends high value-added industrial chains including "coal-electricity" and "coal-chemical" to realize the cascade utilization of resources. Meanwhile, the Company intensifies initiatives, including comprehensive utilization of coal gangue, ecological restoration, building materials processing, mine water reuse, and gas-based power generation for resource utilization. It has launched projects such as solid waste pulping and separated-layer grouting, and advances resource recycling through technological innovation.

Key Measures of Circular Economy

Improve resource recovery

- By adopting advanced mining technologies and equipment, such as green mining technologies such as filling mining and water conservation mining, we optimized mining schemes, reduced coal resource waste, improved raw coal recovery rate and made maximum use of coal resources.

Extend industrial chain

- Based on coal, we extended the value chain to upstream and downstream industries. For example, we converted coal into electricity, chemical products, etc., increased the added value of coal, and realized multi-level and multi-channel utilization of resources.

Utilize waste as resources

- We comprehensively utilized wastes generated in the coal production process, such as coal gangue, mine water and gas; used coal gangue for ecological restoration, power generation, separation grouting and production of building materials;
- We used mine water for production or use in surrounding areas after treatment;
- We conducted research on the recycling of foundry sand, and realized the recycling of 57,000 tonnes of old sand by 2025;
- We used gas as a clean energy source for electricity generation.

Case Shaanxi Company Undertakes National Key R&D Program on Solid Waste Recycling and Completes Mine Water Treatment System Expansion

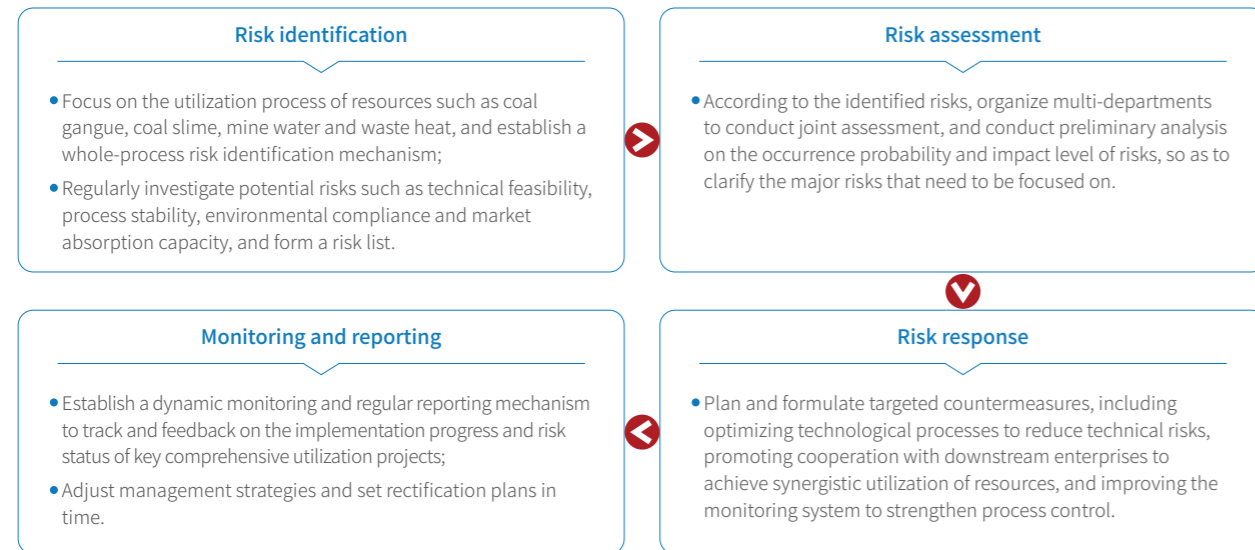
Shaanxi Company, together with CTEG Clean Energy Co., Ltd., Sun Yat-sen University, and other partners, undertook the "Research on New Technologies for Source Reduction and Clean, High-quality Utilization of Solid Waste in Coal Chemical Industry," a special project under the National Key R&D Program on Solid Waste Recycling. The project developed the hydrothermal depolymerization process and equipment for chemical sludge, completing a 4 t/h sludge modification demonstration project. The project also developed directional carbon enrichment technology for gasification fine ash, completing a 300 m³/h gasification grey water directional carbon enrichment demonstration project, and proposed a particle-regulation theory for homogeneous-heterogeneous solid waste coal slurry compound flow, completing a 60 t/h solid waste and coal co-slurrying demonstration project.

At the same time, Dahaize Coal Mine of Shaanxi Company systematically completed the expansion and optimization of the mine water treatment system. By building a differentiated governance system and strengthening whole-process control, the project constructed more than 10 drainage holes in the 20102 goaf, all meeting design standards, marking phased achievements in water hazard control. These results significantly improved water hazard prevention and mining support capabilities while establishing a governance model centered on "reduction, resource utilization, and harmlessness."

Management of Impacts, Risks and Opportunities

In 2025, the Company systematically conducted risk management and control relating to resource comprehensive utilization under the circular economy theme.

Circular Economy Risk Management and Control Process



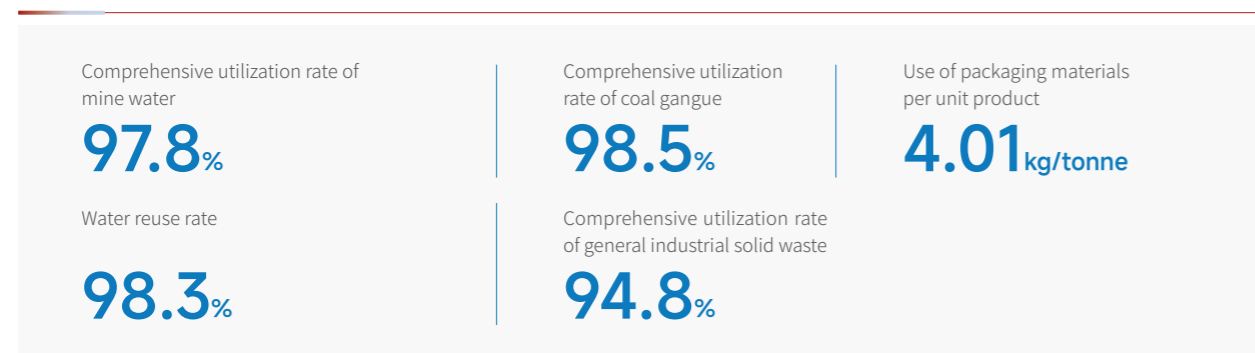
Metrics and Targets

In 2025, the Company tracked resource reduction and utilization indicators, including mine water, coal gangue, and packaging materials, dynamically monitoring the effectiveness of its actions, setting relevant targets, and continuously improving circular economy outcomes.

Circular Economy Targets

Topic	Indicator	Targets	Progress During Reporting Period	Target Achievement
Circular economy	Comprehensive utilization rate of mine water (%)	90	97.8	Target achieved
	Comprehensive utilization rate of coal gangue (%)	90	98.5	Target achieved

Circular Economy Management



Energy Utilization

China Coal Energy adheres to the green and low-carbon development concept of "producing coal without carbon emissions." The Company comprehensively improves the energy governance system, continuously raises energy efficiency through technological innovation and refined management, and actively explores multi-energy complementary clean energy development pathways, laying a solid foundation for achieving high-quality and sustainable development.

Governance

The Company has established the systematic, standardized four-level governance structure for energy conservation management, including the governance level, coordination level, management level, and execution level, with clearly defined rights and responsibilities at each level to ensure effective operation of the management system. The Company has established the Leading Group for Energy Conservation and Ecological Environment Protection, headed by the principal leader, who reviews and approves relevant strategies and major matters. The Office of the Leading Group, together with three specialized working groups covering energy conservation group, ecological environment protection group and carbon peaking and carbon neutrality group, handles day-to-day coordination. Functional departments, serving as the management layer, are responsible for formulating systems, promoting policies and concepts, developing indicators and assessment plans, researching and applying energy-saving technologies, managing energy data, and providing daily guidance, supervision, inspection, and performance evaluation for affiliated enterprises. Each affiliated enterprise, as the implementation entity, is responsible for breaking down and delivering energy utilization targets, establishing and improving its own energy-saving management structure and detailed rules, conducting energy efficiency audits for fixed-asset investment projects, and carrying out day-to-day operational work including energy consumption monitoring, energy efficiency benchmarking, energy-saving technological upgrades, and internal data collection and reporting.

Strategy

The Company focuses on improving efficiency and reducing carbon emissions, implementing multiple measures to lower energy consumption and emissions. It proactively identifies and responds to policy and market risks, as well as decision-making and management risks, while seizing opportunities arising from the energy transition, in line with industry characteristics and development trends.

List of Energy Utilization Risks and Opportunities

Risks	Opportunities
<p>Renewable energy adoption risks: Failure to adjust the energy mix will prevent cost savings from green electricity. Additionally, the complexity of clean energy categories and inconsistent statistical standards may lead to data distortions; using unverified data in filings or certifications may result in qualification revocation or financial penalties.</p>	<p>Energy-saving upgrades and refined operations to improve efficiency: Promoting technologies such as compressed air waste heat recovery, mine water heat pumps, and heating system upgrades can effectively reduce gas consumption and maintenance costs. Flexible retrofitting of coal-fired power plants can improve their adaptability to high-renewable-energy grids and create opportunities to access transition financing. Granular energy consumption data and precision technology upgrades can directly reduce energy procurement costs and improve profitability.</p>
<p>Non-compliance risks: As energy management requirements tighten and policy shifts from "dual control of energy consumption" to "dual control of carbon emissions," some regions have set explicit energy efficiency targets. Enterprises falling short may face production restrictions, fines, or even shutdowns. The 14th Five-Year Plan for Energy Conservation and Emission Reduction also set requirements for reductions in energy intensity, and some of the Company's high-energy-consumption facilities still face retrofit pressure.</p>	<p>New energy utilization models: The Company can leverage policy support to participate in "coal + coal-fired power + new energy" combined development, applying for relevant subsidies while meeting transition requirements to maximize policy benefits. Implementing systematic energy-saving measures can significantly reduce energy costs and carbon emissions while generating carbon assets, delivering both economic and environmental returns.</p>

The Company has elevated energy conservation and efficiency improvement to a strategic priority, establishing an energy management policy centered on "green and low-carbon development, conservation first, and law-based compliance." This approach integrates energy management strategy into all business operations across the coal, power, chemicals, and new energy segments. At the top-level design level, the Company has embedded energy conservation requirements into the development plans and investment programs, ensuring that new projects meet leading domestic and internationally advanced energy efficiency design standards. At the strategy execution level, the Company drives progress through the intelligent approach, actively promoting energy-saving retrofits and advanced technology adoption, and leveraging automation and digitalization to raise the precision of energy management. Through systematic management practices, professional talent development, and organization-wide energy conservation culture education, the Company provides a solid foundation for the effective implementation of the energy management policy, promotes continuous optimization of the energy structure, reduces energy consumption intensity, and comprehensively improves energy utilization efficiency, advancing the Company's green and low-carbon transformation.

Management Policy

Strengthening Energy Management Capabilities	Improving Energy Management Mechanisms	Optimizing Energy Management Measures
<ul style="list-style-type: none"> System and standard development Advancing technology R&D and application Developing energy-saving technical talent 	<ul style="list-style-type: none"> Strengthening organization and accountability networks Enhancing supervision, assessment, and incentives Implementing monitoring and digitalization 	<ul style="list-style-type: none"> Reinforcing energy conservation reviews at the project source Refining operational energy consumption controls Building a culture of energy conservation and carbon reduction

To advance energy management, the Company has established a systematic institutional and governance framework and carried out in-depth annual initiatives. At the institutional and mechanism level, the Company strictly follows regulatory requirements including the *Energy Conservation Law of the People's Republic of China* and the *Measures for the Supervision and Administration by Energy Conservation and Ecological and Environmental Protection of Central Enterprises*, and has formulated the *Energy Conservation Management Measures*. In 2025, Pingshuo Group, Shanghai Energy Company, Shaanxi Company, Zhangjiakou Coal Mining Machinery Company, and Beijing Coal Mining Machinery Company advanced construction of energy management systems and obtained energy management system certifications. In the meantime, the Company continued to deepen the energy conservation management, advancing comprehensive energy-saving and consumption-reduction efforts through a range of initiatives. In project management, the Company strictly controls energy efficiency design standards for new projects, requiring unit product energy consumption and related indicators to meet domestic leading standards, ensuring energy-saving facilities are commissioned in parallel with main construction works and completed on schedule. In production operations, the Company developed annual energy-saving plans, systematically conducted energy efficiency benchmarking, energy audits, and energy consumption quota management, and continued to phase out outdated equipment while promoting advanced energy-saving technologies. At the same time, the Company strengthened the energy conservation culture through professional training and employee suggestion programs, enhancing organization-wide energy awareness and continuously improving energy efficiency levels.



Energy Management System Certification of Pingshuo Group, Shanghai Energy Company and Zhangjiakou Coal Mining Machinery Company

Meanwhile, the Company has systematically advanced energy-saving retrofits and equipment upgrades across the full industrial chain, with energy utilization efficiency continuing to improve. In the coal business, Pingshuo Group has actively implemented clean heating, electric heavy-duty trucks, and direct new energy power supply across the mine areas as part of a comprehensive green transformation program, reducing the comprehensive energy consumption per unit of raw coal production by 1% year-on-year. In the chemicals business, Shaanxi Company and Ordos Energy Chemical Company have implemented energy-saving upgrades including VOC treatment exhaust heat recovery, delivering annual energy savings of approximately 58,000 tonnes of standard coal equivalent. In the power business, the Company has actively conducted multi-dimensional benchmarking, advanced standardized management improvements, and implemented projects including steam turbine flow path retrofits and air preheater sealing optimization, reducing the auxiliary power consumption rate by 1.5% year-on-year.

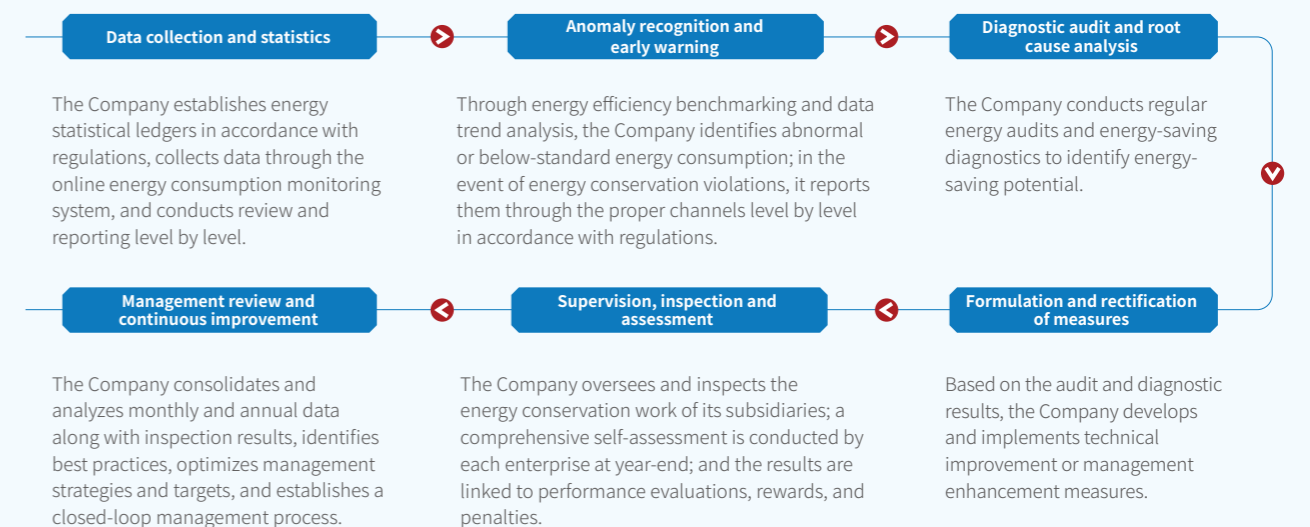
Case Green Construction and Digital Transformation of Zhangjiakou Coal Mining Machinery Company

Zhangjiakou Coal Mining Machinery Company continues to improve the energy management system, implementing the number of key projects such as the replacement of high-energy-consumption equipment, waste heat recovery, and wastewater treatment facilities, achieving a water recycling rate of over 90%. The Company has innovatively developed a multi-energy complementary system integrating "solar PV + wind power + energy storage," increasing the share of green electricity consumption to 35%. It has also established an Energy Management Center, strengthened the application of Internet of Things (IoT) technologies, and realized online monitoring and intelligent control of major energy-consuming equipment. Over the past two years, carbon emission intensity has cumulatively declined by 6.94%, and the Company has been recognized as a National Green Factory and awarded a Three-Star Green Industrial Building rating.

Management of Impacts, Risks, and Opportunities

To systematically manage risks and opportunities in energy utilization, the Company built an intelligent control and energy-saving management system for monitoring energy utilization risks and opportunities, operating on the principles of "data-driven, layered audit, event-triggered, and closed-loop management." The system ensures rapid response to compliance risks and operational deviations, actively identifies energy efficiency improvement opportunities through continuous benchmarking, and links management results to assessment, rewards, and punishments, promoting the achievement of energy conservation goals and continuous improvement in energy utilization efficiency.

Energy Utilization Risk Identification and Control Process



Data collection and statistics

The Company establishes energy statistical ledgers in accordance with regulations, collects data through the online energy consumption monitoring system, and conducts review and reporting level by level.

Management review and continuous improvement

The Company consolidates and analyzes monthly and annual data along with inspection results, identifies best practices, optimizes management strategies and targets, and establishes a closed-loop management process.

Anomaly recognition and early warning

Through energy efficiency benchmarking and data trend analysis, the Company identifies abnormal or below-standard energy consumption; in the event of energy conservation violations, it reports them through the proper channels level by level in accordance with regulations.

Supervision, inspection and assessment

The Company oversees and inspects the energy conservation work of its subsidiaries; a comprehensive self-assessment is conducted by each enterprise at year-end; and the results are linked to performance evaluations, rewards, and penalties.

Diagnostic audit and root cause analysis

The Company conducts regular energy audits and energy-saving diagnostics to identify energy-saving potential.

Formulation and rectification of measures

Based on the audit and diagnostic results, the Company develops and implements technical improvement or management enhancement measures.

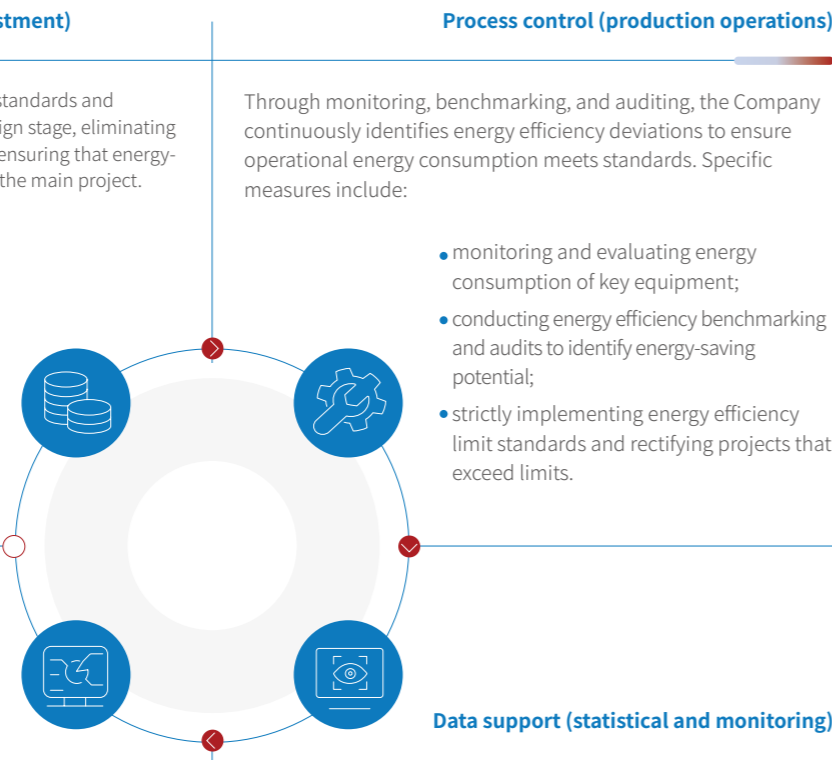
Based on the aforementioned risk identification and control process, the Company has further established a risk management system covering the entire energy utilization process. Through systematic control over four links—"source prevention, process control, data support, and supervision and improvement"—it realizes the identification, prevention, and closed-loop management of energy-related risks, ensuring that energy utilization is compliant, efficient, and controllable.

Energy Utilization Risk Management Measures

Source control (decision-making and investment)

The Company strictly implements energy-saving standards and reviews during the project establishment and design stage, eliminating high energy consumption risks at the source and ensuring that energy-saving facilities come online simultaneously with the main project. Specific measures include:

- achieving advanced energy efficiency levels in project design and compiling a dedicated energy conservation section;
- strictly implementing the *Measures for Energy Conservation Review and Carbon Emission Evaluation of Fixed Asset Investment Projects*, ensuring no construction may begin without meeting requirements;
- strictly implementing the "three simultaneities and four implementations"¹³ energy conservation system.



Process control (production operations)

Through monitoring, benchmarking, and auditing, the Company continuously identifies energy efficiency deviations to ensure operational energy consumption meets standards. Specific measures include:

- monitoring and evaluating energy consumption of key equipment;
- conducting energy efficiency benchmarking and audits to identify energy-saving potential;
- strictly implementing energy efficiency limit standards and rectifying projects that exceed limits.

Supervision and improvement (emergency and closed-loop)

The Company implements inspection, accountability, and rapid reporting mechanisms to achieve closed-loop risk management. Specific measures include:

- reporting energy conservation violations step by step within 24 hours;
- holding violators accountable.

Data support (statistical and monitoring)

The Company establishes a standardized statistical monitoring system to ensure the authenticity and accuracy of data and support risk early warning. Specific measures include:

- building an energy-saving management system;
- standardizing statistical ledgers and measurement practices, and clarifying data quality responsibilities.

Metrics and Targets

The Company sets energy conservation goals to continuously reduce energy consumption per unit output value and increase the proportion of clean energy consumption, striving to bring overall energy utilization efficiency up to the advanced industry level. In 2025, the Company actively responded to the national carbon peak and carbon neutrality strategy, advancing the transition from dual control of energy consumption to dual control of carbon emissions. The Company continuously optimized the energy consumption structure, increased the proportion of clean energy use, strengthened energy efficiency benchmarking and energy conservation diagnostics for key energy consumption links, and improved the energy management system and energy conservation-carbon reduction coordination mechanism. Through a series of energy-saving technological transformations, the Company steadily improved energy utilization efficiency and worked toward achieving coordinated development of energy conservation, carbon reduction, and production operations.

¹³ Three simultaneities and four implementations: "Three simultaneities" means that energy-saving facilities must be designed, constructed and put into operation at the same time as the main project, and "four implementations" means that energy-saving systems, plans, targets and measures are in place.

Energy Consumption Performance

In 2025

Comprehensive energy consumption¹⁴

615.9 10,000 tonnes of standard coal

Comprehensive energy consumption per RMB 10,000 of output value

0.67 Tonnes of standard coal/RMB 10,000



Total direct energy consumption

856.8 10,000 tonnes of standard coal



Total raw coal consumption

1,318.3 10,000 tonnes

Total gasoline consumption

0.2 10,000 tonnes

Total diesel fuel consumption

16.3 10,000 tonnes

Total natural gas consumption

2,768 10,000 cubic meters

Total indirect energy consumption

103.3 10,000 tonnes of standard coal

Purchased electricity consumption

5.109 Billion kilowatt hours

Purchased heat consumption

12,462.8 Billion kilojoules

Total clean energy consumption

0.98 Billion kilowatt hours



Purchased green electricity consumption

0.79 Billion kilowatt hours

Green certificates retired consumption

0.14 Billion kilowatt hours

Total self-generated and self-consumed green electricity consumption

0.05 Billion kilowatt hours



In terms of optimizing the energy structure, the Company committed to green transformation and coordinated the construction of clean energy projects, including wind power and photovoltaics, through the "joint operation of coal power and renewable energy" model. Using Shanghai Energy Company's "fishing and photovoltaic complementary" demonstration base as an example, the Company innovated photovoltaic power generation development in combination with ecological restoration. By exploring the integrated "Generation-Grid-Load-Storage" multi-energy complementary model, the Company continuously improved the green energy supply capacity. In 2025, the Company actively participated in green electricity trading, increased the proportion of distributed clean energy for self-consumption, and consumed 980 million kWh of green electricity (including self-generation and self-consumption) throughout the year, equivalent to 0.1204 million tonnes of standard coal.

¹⁴ According to the *Notice on Further Improving the Control of Raw Material Energy Excluding Total Energy Consumption* (No. 803 [2022]) issued by the National Development and Reform Commission (NDRC) and the National Bureau of Statistics (NBS), it is proposed that the energy consumption of raw coal for coal, oil, natural gas and their products for the production of non-energy products such as olefins, aromatics, alkynes, alcohols and synthetic ammonia should not be included in the control of total energy consumption. Starting from 2025, the comprehensive energy consumption and raw coal consumption of enterprises will be deducted from raw coal consumption.

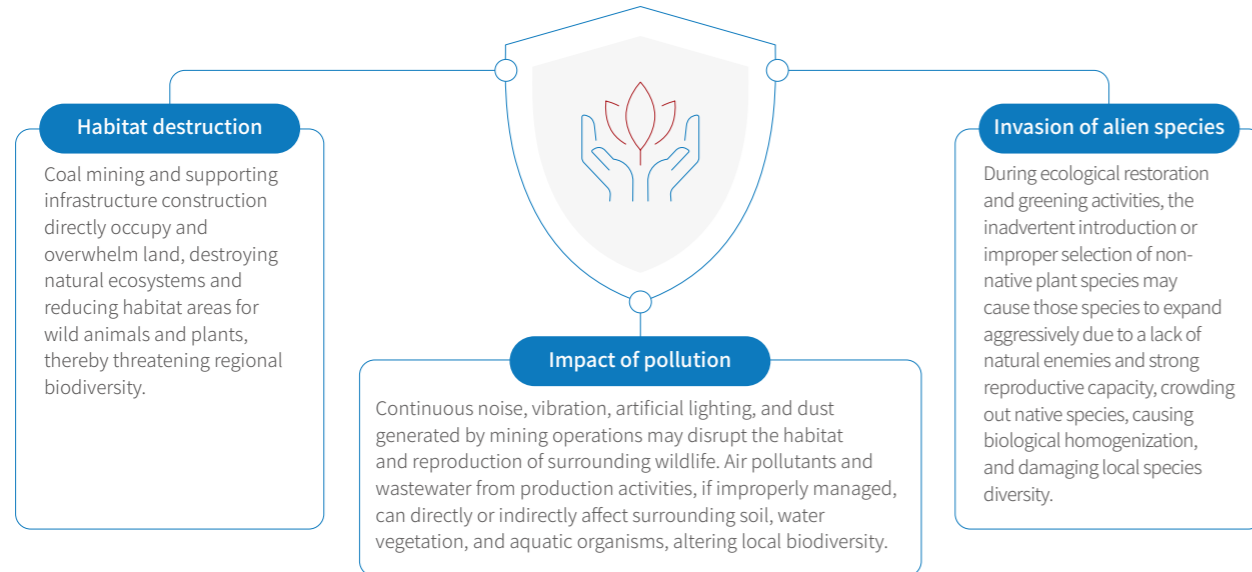
Ecosystem and Biodiversity Conservation

China Coal Energy strictly implements relevant national ecological governance laws and regulations, thoroughly studies and applies the ecological civilization thought, and firmly practices the concept of "lucid waters and lush mountains are invaluable assets." The Company adheres to the principles of ecological priority and green, low-carbon development, and opens new perspectives on mining area governance through systematic practices including land reclamation, ecological restoration, green mine creation, and industrial ecological symbiosis.

Risk Management

The Company monitors air quality, water quality, and noise levels at workplaces and in surrounding environments through multiple methods including online monitoring and manual monitoring. The Company actively pursues pollution control to ensure pollutant discharge meets national and local standards, minimizing the risks that Company activities pose to ecosystems and biodiversity.

Risks Related to Ecosystem and Biodiversity Conservation



Ecological Protection Actions

The Company strictly complies with ecological and environmental red-line regulations and vigorously advances ecological restoration and management efforts. In areas surrounding production and operation sites and within key ecological functional zones, the Company promotes land reclamation, subsidence area treatment, and soil and water conservation, effectively enhancing regional ecological functions. The comprehensive impact of all project construction and operation activities on the surrounding environment remains at an acceptable level. Pingshuo Group continues to increase environmental protection investment. The integrated green mine construction model of "mining-hauling-dumping-reclamation" has become increasingly mature. Three-dimensional planting of grasses, shrubs and trees is carried out, and the obligation of mine ecological and environmental management is fulfilled in accordance with the law.

In 2025, the Company actively applied advanced mining technologies such as backfill mining and water reduction and conservation mining to effectively reduce disturbances to surface ecosystems and mitigate environmental impact at the source. The Company strengthened

soil and water conservation management for construction projects, coal gangue fields, and ash and slag fields; intensified reclamation of open-pit mine dump sites; and advanced comprehensive treatment of coal mining subsidence areas in underground mines, submitting results to the competent department for acceptance. Guided by green mine construction standards, the Company solidly advanced green mine creation, adding 8 provincial-level green mines during the year for a total of 19 national-level and provincial-level green mines built. The coordinated advancement of ecological governance and resource development achieved remarkable results. Shanghai Energy Company actively explored comprehensive treatment pathways for coal mining subsidence areas, adopting an energy and ecological integration model of "photovoltaic power generation + ecological restoration of coal mining subsidence areas + fishing and photovoltaic complementary." This approach produced a comprehensive demonstration base integrating new energy development, specialty fishery breeding, and ecological function restoration, achieving a win-win outcome for resource recycling and ecosystem restoration.

Case

Pingshuo Group Advances Ecological Reclamation and Practices "Lucid Waters and Lush Mountains are Invaluable Assets"

In 2025, Pingshuo Group strengthened planning leadership, compiled the *2025 Ecological Restoration and Governance Implementation Plan* and the *2026–2030 Ecological Industry Plan*, and comprehensively promoted reclamation project implementation. The Group completed biological measure construction in 2,795 mu of reclamation areas and simultaneously accelerated standardized construction of 1,200 mu of newly launched projects, improving reclamation efficiency and quality. Pingshuo Group also focused on greening quality improvement, completing transplantation and replanting of 50,000 seedlings in surrounding areas, providing fine management and protection for 500,000 established seedlings and 1 million spot seedlings, and replanting suitable tree species, including *Pinus tabulaeformis* and Xinjiang poplar, in 90 mu of exposed open space to ensure a continuous supply of ecological seedlings. Following restoration, plant species in Pingshuo Group's mining area increased from 180 to 274, insect species from 430 to 737, and terrestrial vertebrate species from 72 to 128, solving the challenges of "diversity, stability, and sustainability" in reconstructed ecosystems and enriching ecosystem biodiversity. In addition, Pingshuo Group improved its ecological management and protection system by adding fire prevention checkpoints and inspection personnel in the 43,000-mu forestland management and protection area, establishing warning zones in the Antaibao Xipai subsidence area, and strengthening safety supervision in key areas to improve ecosystem stability and safety.



Ecological Restoration and Biodiversity Achievements in the Pingshuo Mining Area

The chemical industry has thoroughly implemented the development concept of "safety, greenness, cleanliness, and high efficiency". It has formulated the *Evaluation Requirements for Green Coal Chemical Plants* to guide enterprises in continuously promoting the creation of green factories through measures such as process optimization, technological innovation, equipment upgrading, and management improvement. Adhering to source governance and process control, the industry has advanced pollution prevention and control in depth. Key projects including the VOCs treatment of low-temperature methanol washing tailgas at Ordos Energy Chemical Company Tuke Branch and the zero-discharge wastewater treatment at Pingshuo Energy and Chemical Company have been completed and put into operation, strengthening ecological environmental protection throughout the production process. Meanwhile, to enhance the clean and efficient utilization of coal, Enen Chemical has launched a 100,000-tonne/year liquid sunshine project. This project produces green hydrogen from wind and solar renewable power, which is then synthesized with carbon dioxide emitted by existing chemical plants to produce methanol. This initiative effectively replaces fossil fuels, realizes the cyclic utilization of carbon dioxide, and strengthens ecological environmental protection from the process source.

Metrics and Targets

In terms of biodiversity restoration, the Company strictly implements the requirements of laws, regulations, and policies including the *Environmental Protection Law of the People's Republic of China* and the *Regulations on Nature Reserves of the People's Republic of China*. The Company strengthens ecosystem protection and restoration, continues to advance reclamation of open-pit mine dumps, treatment of subsidence areas in underground mines, and gangue dump management. The Company actively conducts biodiversity protection, prevents invasive alien species, and promotes harmonious coexistence between humanity and nature.

Topic	Indicator	Target	Progress During Reporting Period	Target Achievement
Ecosystem and biodiversity conservation	Number of green mines built	Meet green mine construction standards	19	Ongoing

Water Resources Utilization

China Coal Energy deeply recognizes the importance of water resources as both foundational natural resources and strategic economic resources. The Company comprehensively improves water resource utilization efficiency by building a systematic management system, implementing full-process risk management and control, and promoting water-saving technologies and recycling.

Management Mechanism

To achieve water efficiency goals, the Company promoted subsidiaries to establish water resource management mechanism, effectively improving water resource utilization efficiency through compliance planning, monitoring reinforcement, and technical water conservation measures.

Compliance and planning management

- Strictly implement the water resources demonstration requirements of new projects, and strengthen the whole process management of water conservation;
- Prepare water resources demonstration report or water environmental impact assessment report in the early stage of the project, and obtain the approval of the regulatory authorities after construction;
- Standardize the examination and approval process, implement water metering management, and ensure that water resources fees are paid in full and on time.

Daily monitoring

- Hold a special meeting on water prevention and control, carry out special inspections on water prevention and control, and focus on spot checks on coal mines affiliated to secondary enterprises;
- Regularly conduct water balance tests to improve water resources supervision capabilities.

Technical water-saving and recycling

- Increase investment in scientific and technological innovation, popularize and apply advanced water-saving equipment and technologies;
- Adhere to the cascade utilization of water resources, improve the reuse rate of mine water, and reduce the consumption of fresh water;
- Optimize water-saving technologies, promote reclaimed water reuse, and realize efficient recycling of water resources.

Based on their actual production conditions, the Company subsidiaries have formulated corresponding internal regulations such as water intake management measures, clarifying the specific responsibilities of relevant internal units in water resource management and standardizing the use of fresh water, sewage, recycled water, desalinated water, and other types of production water to continuously improve the standardization and effectiveness of water resource management.

Water Conservation Actions

In 2025, the Company comprehensively advanced water conservation across all businesses through a combination of technology upgrading and systematic management. In chemicals business, the Company focused on water pollution prevention and efficient utilization, systematically improving water resource utilization efficiency and risk prevention through evaporation pond wastewater treatment, groundwater risk management, optimization of circulating water systems, completion and commissioning of zero wastewater discharge projects, and upgrading of sewage treatment facilities. In coal operations, the Company focused on promoting water-saving equipment, strengthening water supply network renovation, and advancing coal mine water utilization and wastewater recycling technology application. In the power sector, the Company promoted cascade utilization of water resources and implemented circulating water quality improvement and water-saving renovation projects. In equipment manufacturing, enterprises significantly improved wastewater resource utilization and recycling rates by controlling total water consumption, building or upgrading sewage treatment stations, adopting advanced treatment technologies including MBR¹⁵, and improving reclaimed water reuse systems. In 2025, Beijing Coal Mining Machinery Company earned the title of "Beijing Water-Saving Unit" and Zhangjiakou Coal Mining Machinery Company earned the title of "Provincial Water-Saving Enterprise."

¹⁵ MBR: Membrane Bio-Reactor.

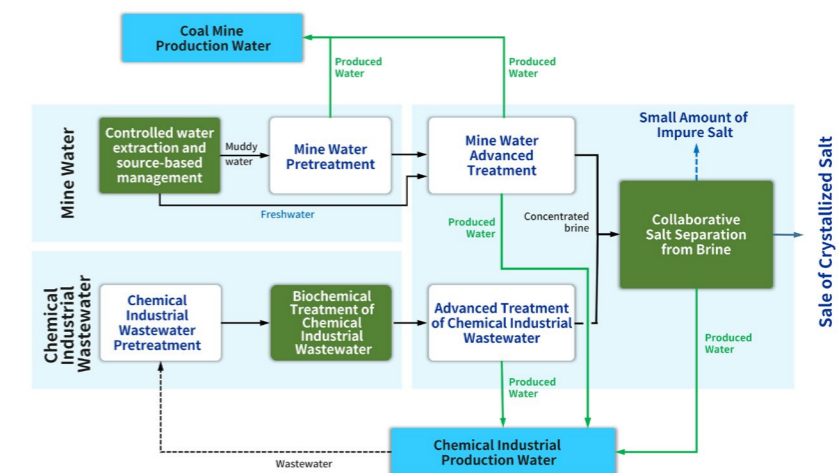
Case

Zhangjiakou Coal Mining Machinery Company Achieves Water Resource Recycling Rate of Over 90% in Factory Area

Zhangjiakou Coal Mining Machinery Company has systematically promoted water-saving management, and reused reclaimed water by renovating the sewage treatment system. The Company produces more than 100,000 tonnes of reclaimed water annually, with all treated reclaimed water used for toilet flushing and greening, accounting for nearly 50% of the Company's total water consumption. In 2025, the Company used 234,100 tonnes of water, a year-on-year reduction of 7,186 tonnes, and water consumption per RMB 10,000 of output value reached 0.52 tonnes, a year-on-year decrease of 2.98%. The water resource recycling rate exceeded 90%, providing a model for efficient water resource utilization across the industry.

Management Indicators

Through measures such as source reduction, process control, circular utilization, and end-use reuse, the Company comprehensively improves water resource utilization efficiency and promotes the achievement of water conservation goals. The Company optimizes production processes and water systems, promotes cascade utilization and recycling of mine water according to local conditions, optimizes circulating water, reclaimed water, and condensate reuse systems to reduce unit product water consumption, improves water metering and refined management systems to achieve whole-process water-saving control, and continuously reduces wastewater discharge to ensure efficient water resource recycling. In 2025, China Coal Energy saved 4.18 million tonnes of water through a series of water-saving technological transformations, effectively improving water resource utilization efficiency.



Process of the Complete Technical System for Resource Utilization of Mine Water and Chemical Wastewater

Water Consumption Performance

Fresh water consumption

68.3956 Million tonnes

Circulating water consumption

3,913.06 Million tonnes

Fresh water consumption per RMB 10,000 of output value

7.41 Tonnes/RMB 10,000

Water reuse rate

98.3%

02 | Creating Shared Value

China Coal Energy always adheres to a people-centered approach, gathering synergy for development through humanistic care and creating shared value through responsibility. The Company is committed to building harmonious and progressive labor relations, constructing a strong line of defense for safe and healthy production, and promoting sustainable development across the supply chain. With technological innovation as the engine, the Company earns trust through high-quality products and services and practices social responsibility through concrete action to create a sustainable future together.

Production Safety and Occupational Health	58
Innovation-Driven Development	65
Employee Training	71
Supply Chain Safety and Management	80
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Production Safety and Occupational Health

China Coal Energy complies with the *Work Safety Law of the People's Republic of China*, the *Law of the People's Republic of China on Prevention and Control of Occupational Diseases* and other laws and regulations, always upholds the supremacy of people and life, adhering to the "rule-abiding" safety concept of "any accident can be avoided, any violation can be put an end to, and zero death can be completely achieved."¹⁶ The Company firmly commits to the goal of "zero fatalities" and continuously builds a long-term mechanism for production safety. By improving the safety management system and continuously advancing safety management capabilities, the Company effectively protects the life safety and health of employees and builds a solid safety foundation for the Company's high-quality development.

Governance

The Company regards production safety as the cornerstone of sustainable development and has established a three-level safety governance structure comprising the Production Safety Committee, the Safety, Health and Environmental Protection Department, and various business units. Through a clear division of rights and responsibilities and the coordination mechanism of "shared responsibility between Party and government, with coordinated management by all parties," the Company achieves closed-loop management from strategic decision-making and professional supervision through to on-site execution.

Governance Structure



The Company has advanced the implementation of its "Six Threes"¹⁷ safety management framework and formulated ten measures for refined safety management. Covering key areas such as safety controls during critical time periods, on-site safety accountability for key personnel, digital safety supervision, emergency rescue, and accountability enforcement, the Company has built a safety management mechanism with distinctive China Coal characteristics, strengthening company-wide safety management consensus and upholding rigorous safety standards. The Company has reinforced safety production responsibilities by signing accountability agreements at every level and introducing quarterly coordination mechanisms with dynamic progress tracking. It conducted performance evaluations for coal mining enterprises and carried out safety audits and capability assessments for coal chemical enterprises, deepening accountability among enterprise leadership. The Company has made sustained efforts to enhance intrinsic safety by steadily increasing safety investment and systematically advancing equipment upgrades and retrofits. It established a registry of aging equipment and facilities requiring replacement and prioritized upgrades to safety protection equipment in coal mining and chemical operations, achieving measurable improvements in equipment reliability and safety performance. The Company organized targeted

inspections to address key risks in coal mining operations, covering rock bursts, water hazard prevention, ventilation and gas management, electromechanical transport, roof control, and construction quality. It also implemented comprehensive technical supervision across these areas, driving continuous improvement in professional management standards. At the grassroots level, the Company has actively promoted safety production standardization initiatives and conducts regular assessments to steadily raise compliance and operational standards across all units. The Company has cultivated a culture of rule-based safety through enhanced safety warning education. It compiled accident case videos across business segments and integrated them into routine pre-shift safety briefings, while organizing a range of targeted training programs to continuously strengthen employees' safety awareness and competencies. The Company has intensified efforts to eliminate the "Three Violations"¹⁸ — violations of regulations, procedures, and labor discipline. It has widely implemented the "no monitoring, no operation" principle and convened dedicated meetings to promote standardized installation and management of industrial video systems in coal mines. By strengthening assessment mechanisms and introducing incentives for zero-violation teams, the Company has achieved tangible improvements in compliance behavior and overall safety performance.

¹⁶ Following rules and regulations, the zero fatality goal is entirely achievable.

¹⁷ The "Six Threes" operational requirements: ensure the sound execution of three priorities — raising ideological awareness, fulfilling responsibilities, and implementing measures; establish and improve three systems: technical support, safety assurance, and safety supervision; elevate the three lines of defense: human prevention, physical prevention, and technological prevention; strictly address three categories of violations: illegal command, illegal operation, and violation of labor discipline; strengthen safety management across three external dimensions: outsourced projects, external teams, and contracted personnel; and deepen three-separation management: separation of people and vehicles, separation of production and non-production personnel, and separation of personnel across different specializations.

¹⁸ "Three Violations" refer to violations in command, violations in operation, and violations of labor discipline.

Strategy

The Company has continued to advance the systematic, standardized, and intelligent development of its safety management framework, cultivating a safety culture centered on "following the rules" and driving "working to standard at every post" as a shared behavioral commitment across the workforce. The Company has formulated and implemented a range of safety management policies, including the *Work Safety Supervision and Management Measures* and the *Coal Chemical Safety Management Measures*, and conducts routine supervisory inspections and targeted assessments of policy implementation effectiveness. The Company has dynamically refined its company-wide work safety accountability system, introduced a "one post, one checklist" approach, and reinforced the principle of singular accountability. It has continuously strengthened three interconnected systems covering technical management, safety assurance, and safety supervision, enhanced the role of technical leads, and advanced business consultation, technical oversight, and vertical supervision to improve system reliability and regulatory penetration. Safety risks and opportunities are identified dynamically by business segment and professional discipline, with risk prevention and control strengthened across strategic planning, measure formulation, policy development, and supervision and inspection.

Safety Production Risk and Opportunity Identification



The Company leverages its intelligent monitoring platform to conduct real-time monitoring and early warning of various safety risks. Combined with smart hardware applications, it enhances early warning capabilities for high-risk areas and critical work processes, drives the implementation of management requirements such as "no lock-out, no work," strengthens pre-warning and pre-controls for special operations to ensure risks are visible and controllable.

The Company has improved its safety management system for high-risk operations, formulating safety management guidelines for high-risk operations across coal mining, power, chemical, and equipment manufacturing sectors to ensure the safe execution of high-risk tasks. At the same time, it strengthens follow-up supervision on the rectification of major hazards, and leverages

the "Five Determination" requirements to ensure accountability, measures, and rectification progress are implemented, forming a closed-loop risk management system and achieving continuous improvement in risk governance.

The Company treats emergency management as a critical component of safety production work. It continuously strengthens the emergency management institutional framework by formulating documents such as the *Production Safety Accident Emergency Response Measures* and the *Production Safety Accident Emergency Plans*. Through enhanced practical drills and optimized coordination mechanisms, it systematically improves comprehensive disaster prevention, mitigation, and relief capabilities. In 2025, a total of 3,213 emergency plans were formulated and 3,582 emergency drills were conducted.

The Company is diligently advancing disaster management and hazard elimination, strengthening "one enterprise, one policy" management of major disasters, continuously promoting comprehensive "Three Violations" governance, conducting warning education and point-based management to foster an atmosphere of "dare not violate, cannot violate, do not want to violate." It strengthens the management of external teams and contractors, improves performance evaluation and review mechanisms, studies and applies major hazard identification standards, establishes a major hazard database, promotes self-inspection and dynamic hazard clearance, and enhances overall prevention and control capabilities.

The Company continues to improve its "Three Defenses" standards, consolidates the outcomes of the safety production root-cause campaign, and advances the modernization of governance systems and capabilities. It strengthens safety talent development by implementing tiered and specialized training plans and achieving full certification coverage for three key position categories. It increases safety investment, promotes equipment upgrades and standardized construction, and improves system reliability and standardization compliance rates. It drives the development of "Smart Mines," "Smart Construction Sites," and similar initiatives, expands AI video surveillance coverage, strengthens anti-"Three Violations" capabilities, conducts research on major topics, and enhances technological support.

The Company remains committed to strengthening emergency rescue and disaster prevention, adhering to the principle of "better to be prepared and not need it than to need it and be unprepared." It strengthens dedicated rescue teams and base construction, improves equipment and facilities, and fulfills its social responsibilities as a central state-owned enterprise. It improves the emergency plan system and emergency command mechanisms, strengthens information sharing and on-duty monitoring to ensure rapid response and effective handling. Emergency plans are regularly revised and drills are organized; Company-wide emergency training is conducted to enhance disaster avoidance and emergency response capabilities. The Company is accelerating the development of emergency management information systems to improve overall emergency preparedness.

The Company places great importance on safety training and formulates and implements safety education and training plans at different levels and for different specializations. Training covers fundamental safety production management knowledge, safety production technology, specialized safety production knowledge, major hazard source management, and major accident prevention — all aimed at enhancing employees' safety awareness and ensuring safe production. In 2025, the safety training coverage rate reached 100%.

Case Northwest Energy Company Enhances Intrinsic Safety Standards

Northwest Energy Company's Nalinhe No. 2 Coal Mine has systematically built an intrinsic safety management system, reinforcing safety defenses across four dimensions: systems, technology, training, and emergency response. By improving the dual-control mechanism of risk classification management and hazard investigation and remediation, refining institutional procedures, and consolidating management foundations; introducing AI intelligent monitoring for real-time early warning in key areas, and overcoming critical technologies such as deep-level mine water detection to enhance disaster prevention capabilities; innovating through "Safety Lecture Halls" and "VR Accident Simulation Experiences" to shift safety awareness from "I am told to be safe" to "I want to be safe"; and strengthening emergency drills and equipment support to ensure emergency responses are initiated within 30 seconds — the mine has comprehensively enhanced its proactive risk control and emergency response capabilities.

Financial Impact Assessment

The Company has systematically assessed the comprehensive impact of work safety and occupational health management on its financial position, operating results, and cash flows. In 2025, the Company invested RMB 63.07 billion in work safety and continued to strengthen occupational health management, emergency response systems, and the development of safety technologies. In the short term, these investments may increase operating costs, but they effectively help prevent accidents, reduce unplanned shutdowns, and minimize direct losses, thereby safeguarding stable operations. In the medium term, as intelligent supervision platforms become fully operational, safety culture becomes

more deeply embedded, and standardization levels improve, equipment reliability, production efficiency, and risk prevention capabilities will continue to strengthen. As a result, accident-related expenditures are expected to decline significantly, improving operating performance and supporting more stable cash flows. In the long term, outstanding safety performance will help shape the Company's image as a responsible enterprise, enhance the confidence of stakeholders, and strengthen market competitiveness and sustainable development capabilities, ultimately creating more stable and sustainable long-term value for shareholders.

Management of Impacts, Risks, and Opportunities

The Company has placed risk prevention and control at the core of its safety production work, upholding the principle of proactive prevention and systematic governance. It has built a full-cycle risk management system that covers risk identification, assessment, early warning, response, and closed-loop rectification. The Company has actively advanced the digitalization of safety risk management, operating an intelligent monitoring and early warning platform for coal mine safety risks and a digital dual-prevention platform for coal chemical operations, enabling dynamic risk assessment, tiered control, and trend analysis. It has implemented targeted prevention and control measures for identified weak links and convened dedicated consultation sessions on key units and complex problems to inform subsequent risk management decisions.

out work safety liability insurance to guard against economic risks, strengthens the development of the safety supervision team, and pushes supervision forces to the frontline, so as to achieve whole-process and full-coverage supervision. It will continue to promote special governance and standardization construction, enhance systematic support capacity, and build a solid institutional defense line.

The Company strives to improve the assessment mechanism and risk prevention and control, and refine such mechanisms as the work safety assessment, rewards and penalties, internal hazard reporting and whistleblower rewards. It will consistently address formalism and bureaucracy, and seriously investigate and handle various accidents in accordance with the law. The Company takes

The Company accelerates the development of a risk classification, prevention and control mechanism, and improves the model featuring annual identification, quarterly evaluation, monthly summary, weekly analysis and daily scheduling. It dynamically optimizes the control lists and measures. By relying on intelligent control systems and artificial intelligence technologies, the Company achieves comprehensive perception, intelligent early warning and rapid response. It strengthens safety control over high-risk operations, key links and temporary operations, implements the special supervision system, standardizes operation procedures, and prevents operational risks.



Metrics and Targets

The Company has established "zero fatalities" as its overarching safety goal and sets differentiated targets according to accident type. The Company resolutely aims to eliminate major and above accidents, effectively prevent general accidents, and pursue zero fatalities in coal mining, chemical, and power generation operations, zero injuries in power generation and equipment manufacturing, and zero accidents across all other business areas.

Safety Production Targets

Classification	Key Indicator	Target
By Seriousness of Accident	Major and above accidents	Zero
	General accidents	Effective prevention
By Accident Area	Coal mine, chemical, mining construction, power generation and other fields	Zero fatality
	Power production, equipment manufacturing and other business areas	Zero damage
	Other business areas	Zero accident

To support the achievement of these targets, the Company has put in place a comprehensive resource assurance and management system, providing robust backing for safe production through sustained increases in safety investment, improvements to its emergency management framework, and strengthened work-related injury prevention measures.

Safety Production Key Performance

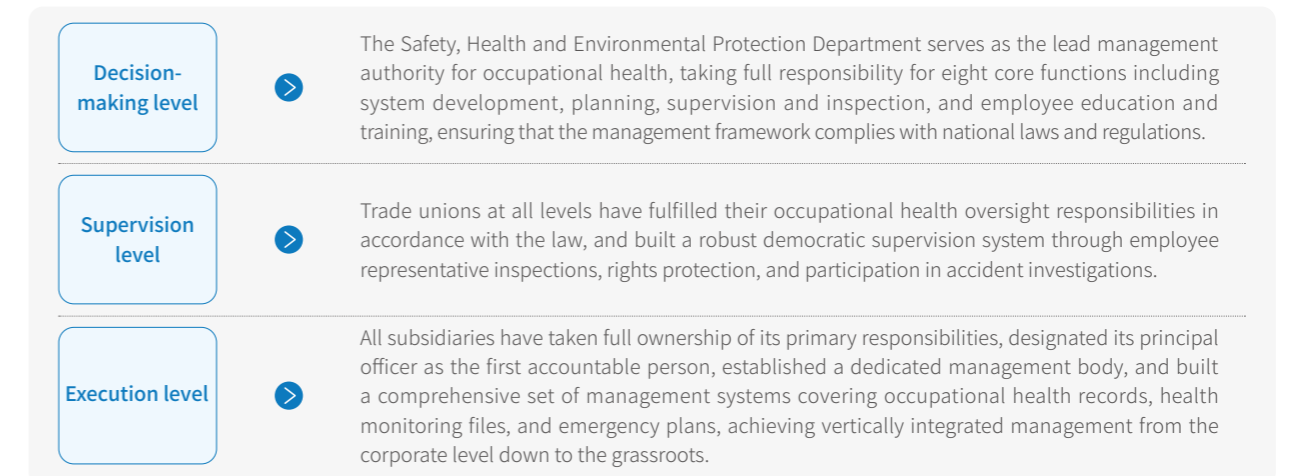


¹⁹ Coverage rate of high-risk industry units.

Occupational Health

The Company has placed great emphasis on the physical and mental wellbeing of its employees, establishing a three-tiered occupational health governance structure, i.e. the decision-making level for the Company, the supervision level for trade union, and execution level for subsidiaries, with clearly defined rights and responsibilities at each level. This structure has formed a closed-loop management mechanism characterized by sound decision-making, strong execution, and effective oversight.

Governance Structure



The Company has formulated the *Interim Provisions on Occupational Health Management* and other regulations to systematically advance occupational health management across the organization. During the reporting period, 18 enterprises earned provincial or municipal "Healthy Enterprise" designations, a year-on-year increase of 63%. Beijing Coal Mining Machinery Company was also selected as one of the National Health Commission's fourth batch of "Excellent Cases of Healthy Enterprise Construction."

The Company has continuously refined its standards for labor protective equipment, strengthened occupational health training, and meaningfully improved employees' working environments, raising the overall standardization and effectiveness of occupational health management. In health monitoring, the Company strictly conducts pre-employment, on-the-job, and post-employment occupational health examinations, maintaining a 100% physical examination rate. It has strengthened occupational contraindication screening for new employees, promptly adjusted role assignments for those unsuitable for their current positions, and actively upheld the rehabilitation and treatment rights of employees with occupational diseases, creating a safe and healthy working environment for all employees.

The Company has established a mechanism for identifying and preventing occupational disease hazards. In the risk identification process, it reviews internal data including historical accident reports, occupational disease cases, and safety inspection records to accurately assess past risk events, identify common risk patterns, and develop targeted response plans. It regularly organizes comprehensive inspections covering equipment and

facilities, working environments, personnel operations, and management processes, systematically evaluates occupational health risks, and continuously refines protective facility configurations, improves operational workflows, and strengthens individual protection management based on assessment findings.

The Company has continuously strengthened employee mental health management by formulating *the Implementation Plan for Employee Mental Health*, which sets out a clear management framework and specific measures to improve employees' psychological wellbeing. The Company has also accelerated the digitalization of health management, launching an "Employee Health" section on its intranet that integrates online consultation, self-assessment tools, and health knowledge resources, providing employees with a convenient one-stop mental health support platform.

The Company has organized a series of themed activities including the "Health Carnival," using diverse formats to promote knowledge on stress management, nutrition, and exercise, fostering a company-wide culture of health awareness. The Company has strengthened collaboration with local medical institutions, established emergency rescue mechanisms, and delivered annual health check-up programs, providing employees with dedicated green channels for medical access. It has continued to improve on-site medical facilities at centralized office locations, delivering comprehensive services including health monitoring, medical consultation, and rehabilitation therapy to effectively safeguard employees' physical and mental wellbeing.

Case Coal Preparation Plants Strengthen the Occupational Health Defense Line

To further occupational disease prevention and control efforts, the Company's coal preparation plants seized the *Occupational Disease Prevention and Control Law of the Peoples Republic of China* Publicity Week as an opportunity to launch systematic occupational health education campaigns around the theme of "Caring for Workers' Mental Health." Each plant deployed a four-pronged approach combining atmosphere-building, targeted training, case analysis, and interactive Q&A sessions. Plants displayed banners and posters in prominent locations and used digital screens to broadcast prevention knowledge on a rolling basis, creating a pervasive culture of proactive health protection. They organized dedicated learning sessions before and after shifts to clarify employee rights and obligations, and used real industry cases to explain common occupational hazards and preventive measures. On-site Q&A sessions addressed employees' practical questions directly, effectively raising occupational health awareness and self-protection capabilities across the workforce and strengthening the grassroots health management foundation of the enterprise.



Organizing Occupational Disease Prevention and Control Awareness Week Activities

The Company has delivered a broad range of occupational health and safety training and awareness activities, continuously improving employees' health literacy and self-protection capabilities. Occupational health training coverage reached 100% in 2025.

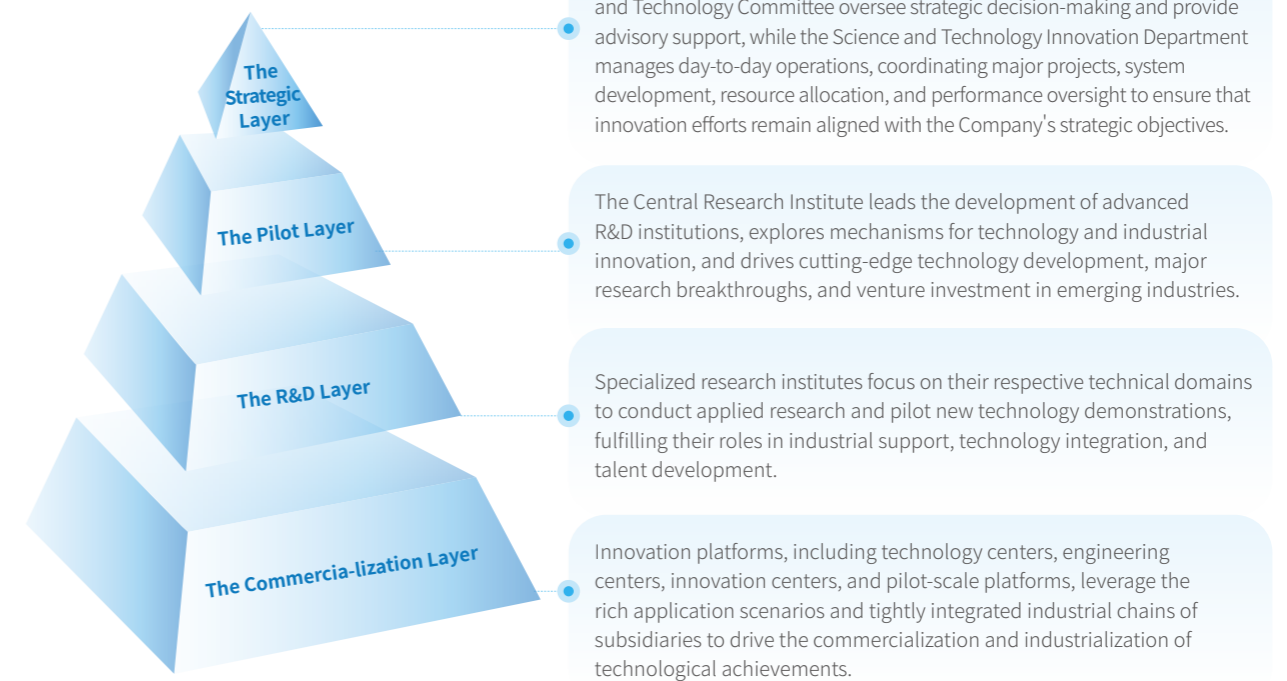
Innovation-Driven Development

China Coal Energy has implemented the requirements of the *Law on Scientific and Technological Progress of the People's Republic of China*, the *Law on Promoting the Transformation of Scientific and Technological Achievements of the People's Republic of China*, and the *Law on the Popularization of Science and Technology of the People's Republic of China*. The Company regards scientific and technological innovation as a core driver of national energy security and green, low-carbon energy transformation. We have focused on cultivating new productive forces, reinforced its leading role in technological innovation, and given full play to its role in technological innovation, industrial control, and safety support, contributing the capabilities of a large state-owned enterprise to the broader reform of China's national innovation ecosystem.

Governance

The Company actively explores a path of scientific and technological innovation with characteristics of China Coal, improves the scientific and technological innovation system, and gives full play to the key roles of innovation decision-making, R&D investment, scientific research organization and achievement transformation. The Company has continued to deepen reform by strengthening incentives and guarantees for R&D, technology commercialization, industrial demonstration, and management, institutional, and model innovation. We have improved resource allocation efficiency and unleashed the innovation, entrepreneurship, and value-creation energy of its enterprises, teams, and employees, comprehensively raising the quality of scientific output and the effectiveness of innovation work.

Governance Structure



Strategy

The Company has formulated internal rules and regulations including the *Measures for the Administration of Scientific and Technological R&D Projects*, the *Management Measures for the Open Competition for Key Technology Projects (Trial)*, the *Measures for the Administration of Scientific and Technological Input (for Trial Implementation)*, and the *Measures for the Administration of Scientific and Technological Innovation Awards (Trial)*, and promotes the implementation of the *Work Plan for the Development of New Industries*. Anchored in its development strategy and grounded in operational realities, the Company has continuously reinforced its leading role in scientific and technological innovation and strengthened its innovation capabilities. We have focused on the multi-sector integrated development model of "carbon production without carbon emissions," "reduced coal" and "coal-free" green chemicals, and the "coal-power-chemical-new energy" coupling model. The Company has integrated internal and external resources, built a center of origin for proprietary technologies, and promoted deep integration across the innovation chain, industrial chain, capital chain, and talent chain. We have deployed supporting technologies across the fields of safe, green, and intelligent coal development, clean and efficient coal conversion, and high-end intelligent equipment manufacturing, working to overcome bottlenecks in industry upgrading and corporate transformation. Simultaneously, the Company has harnessed digitalization to empower its transformation, advancing industrial digitalization and the growth of digital industries, seizing the strategic window of artificial intelligence development, and actively integrating into the national strategic technology ecosystem to provide robust support for high-quality development and the goal of building a world-class energy enterprise.

Based on the overall risk identification and management process, the Company has identified the following types of risks and opportunities related to the innovation-driven topic, providing forward-looking guidance for subsequent risk prevention and opportunity utilization.

Innovation-Driven Risk and Opportunity Identification

Risk/Opportunity	Description	Response Strategy
Risk of Technological Disconnection and Resource Misallocation	<ul style="list-style-type: none"> If the Company's R&D innovation management system is inadequate, it can easily lead to a disconnect between R&D direction and industry frontiers, with R&D outputs failing to meet changing market demands. If R&D investment amounts are mismatched with the Company's actual stage of development and technological needs, a series of problems may arise. Insufficient investment may result in falling behind industry development and difficulty in establishing technological advantages. 	<ul style="list-style-type: none"> Formulate the "15th Five-Year Plan" for science and technology innovation, clarify the direction of key core technology breakthroughs, and ensure that R&D directions align with Company strategy and market trends. Continuously increase R&D investment, broaden diversified funding channels, optimize the investment structure, increase funding for key areas, strengthen platform and talent funding support, enhance the output of scientific and technological achievements, and improve the actual effectiveness of innovation.
Risk of Workforce Structure Imbalance	<ul style="list-style-type: none"> Both an excess and a shortage of R&D personnel affect efficiency: an excess increases labor cost burdens and reduces overall R&D efficiency; a shortage or unreasonable structure — such as a lack of high-end technical leaders and specialists in key technical fields — constrains the R&D process. Excessively high turnover among R&D personnel disrupts the continuity of R&D projects and increases training costs and project risks. 	<ul style="list-style-type: none"> Build a well-defined, tiered, organically connected, and distinctive science and technology talent system, laying the foundation for a lean yet strong "Internal Innovation Core." Actively recruit high-level science and technology talent, cultivate teams of outstanding engineers and R&D professionals, select top talent across various fields, strategically concentrate innovation resources, and accelerate the development of a talent pipeline. Implement medium- and long-term incentives for key R&D personnel, high-contributing teams, and individuals to enhance motivation and creativity among R&D staff.
Opportunity of Core Competitiveness and Policy Dividend	<ul style="list-style-type: none"> Improving the R&D innovation management system can drive independent technological innovation and establish core technological advantages. By establishing sound mechanisms for R&D project initiation, review, and incentivization, it is possible to stimulate the creativity of R&D teams, accelerate breakthroughs in key technologies — such as developing independent intellectual property in areas like intelligent coal mining and efficient clean coal conversion — and enhance the Company's core competitiveness. 	<ul style="list-style-type: none"> Develop a thorough understanding of the guidance on science and technology innovation and new-quality productive forces outlined in the "15th Five-Year Plan" recommendations, and grasp policy trends. Align the innovation chain with the industrial chain layout, and focus on developing process technologies in areas such as safe, green, and intelligent coal development technology; clean and efficient coal conversion technology; advanced coal-fired power generation technology; renewable energy generation and integrated utilization technology; and high-end intelligent equipment manufacturing technology, and increase investment in basic research and emerging strategic industries.
Opportunity of Core Creativity	<ul style="list-style-type: none"> A solid and well-structured science and technology talent pipeline can create significant financial value for coal enterprises, primarily by driving technological innovation to achieve cost reduction, efficiency improvement, and revenue diversification — for example, by accelerating R&D cycles and facilitating the commercialization of innovation outcomes. 	<ul style="list-style-type: none"> Improve the development and incentive management of high-level technical expert teams by refining selection, cultivation, deployment, and evaluation mechanisms to solidify the Company's innovation foundation. Establish and improve incentive and support mechanisms oriented toward innovation value and capability contributions, fully unleashing the innovative energy of technical talent, and accelerating breakthroughs in key core technologies and the commercialization of innovation outcomes.

Risk/Opportunity	Description	Response Strategy
Progress and Achievements	<ul style="list-style-type: none"> A sound intellectual property management system and protection mechanism improves the management efficiency and conversion rate of R&D outcomes and strengthens market competitiveness. By establishing an intellectual property monitoring system, industry patent developments and infringement activities can be tracked in real time, with legal measures taken promptly to protect rights and interests. 	<ul style="list-style-type: none"> Continuously improve the intellectual property management system, strengthen daily management of patents, trade secrets, and other assets, enhance the level of digital development, and achieve dynamic system monitoring.

The Company has established the Internal Innovation Core + External Innovation Hub System and the innovation pathway of "making investments and generating returns", strengthened the "six-in-one" support framework built around projects, platforms, talent, investment, management, and mechanisms, and constructed the "Science-Technology-Engineering-Market" innovation chain, building an efficient innovation model that is enterprise-led, results-oriented, and demand-driven.



The Company fully leverages its role as the primary driver of science and technology innovation, accelerating high-efficiency collaboration and high-level cooperation, and is committed to establishing or participating in innovation platforms at all levels. Our subsidiaries have jointly participated in building the National Key Laboratory for Unmanned Intelligent Mining of Coal; collaborated with the Beijing-Tianjin-Hebei National Technology Innovation Center to co-establish an Energy Low-Carbon Innovation Center; set up an investment fund for disruptive technology innovation in the energy low-carbon sector; and released the *2025 Application Guidelines for Coal Clean and Efficient Utilization Projects under the National Key R&D Program's Disruptive Technology Innovation Special Project* — Energy Low-Carbon Joint Projects. The Company has also advanced the establishment and operation of an IT innovation empowerment center, significantly enhancing its science and technology innovation capabilities.

Oriented around national strategic needs, the Company has proactively undertaken national science and technology research tasks, achieving major breakthroughs in key core technology areas and producing a series of landmark scientific and technological innovation achievements. During the 14th Five-Year Plan period, the Company undertook a total of 17 national science and technology programs, including 10 projects under the National Natural Science Foundation's Enterprise Innovation and Development Joint Fund, 3 tasks under National Science and Technology Major Projects, and 4 topics under National Key R&D Programs.

Case Zhangjiakou Coal Mining Machinery Company Develops the World's First 8 MW Long-Distance Intelligent Scraper Conveyor Equipment

Zhangjiakou Coal Mining Machinery Company conducted research targeting both "bottleneck" and frontier technologies, successfully developing the world's first 8 MW ultra-long-distance intelligent scraper conveyor system. This solves the challenge of matching high-power, high-capacity, long-distance, and high-reliability scraper conveyor equipment to extra-large mining height coal extraction processes. The equipment has a conveying capacity of 8,000 tonnes per hour, a conveying distance of 300–400 meters, and a service life coal throughput of no less than 60 million tonnes. It is equipped with a fully automatic hydraulic chain tensioning device, effectively achieving efficient energy-saving drive and safe intelligent chain tensioning. The entire unit has been fully domestically manufactured, setting a benchmark for domestic substitution of high-end intelligent equipment in the industry and powerfully advancing the technological progress and independent controllability of China's coal mining equipment.

The Company places strong emphasis on the role of technology in driving the transition to new-quality productive forces and low-carbon development. We practice a "parasitic" multi-energy complementary development philosophy, developing and applying key deep peak-shaving technologies for coal-fired units, and building integrated multi-energy complementary bases to establish the technological foundation for combined coal power and new energy operations. We practice the "coal-free chemicals" philosophy by developing advanced catalytic technologies to produce "green methanol" and "green ammonia," and exploring new models coupling "green hydrogen" with modern coal chemicals to drive joint coal chemical and new energy operations. The Company strengthens technological research in the "dual carbon" domain, tackling high-efficiency, low-energy-consumption carbon capture and utilization equipment, and developing and applying advanced technologies and equipment to comprehensively improve energy conservation, carbon reduction, and emissions reduction throughout the coal production and utilization process — driving the low-carbon transformation of high-carbon industries and promoting resource recycling.

In terms of digital transformation and intelligent upgrading, the Company is consistently guided by national strategy. Through the systematic advancement of "Digital China Coal" construction, it ensures "digitalized management and control," "intelligent production," "collaborative business operations," "regional integration," and "data value realization." We are committed to deeply integrating digital technology across the entire chain of enterprise operations, exploring the appropriate application of artificial intelligence, and driving high-quality enterprise development through innovation.

Case The "Smart Control" Project Technology Platform Officially Integrates the DeepSeek Large Model

The "Smart Control" project has consistently committed to applying cutting-edge technologies including domestically produced computing infrastructure, large models, and artificial intelligence. Following the release of the DeepSeek series of models, the "Smart Control" project task force acted swiftly, successfully integrating the DeepSeek model via Huawei's Ascend computing infrastructure, and simultaneously advancing deep integration with application scenarios including production-sales balancing models, safety production management, and internal compliance auditing — elevating the intelligence level of the "Smart Control" project's technology platform. The task force will continue to fully leverage DeepSeek's strengths in reasoning, data processing, and intelligent analysis to build a robust large model technology foundation with capabilities including deep thinking, reasoning and analysis, data processing, and intelligent decision-making. This will drive the broad application of AI technology across specialized fields such as coal, chemicals, power, and new energy, helping various departments and subsidiaries achieve precise demand forecasting, resource optimization, risk identification, and intelligent decision-making.

The Company treats intellectual property (IP) protection as an important line of defense for ensuring the security of science and technology. We strictly adhere to laws and regulations including the *Patent Law of the People's Republic of China* and the *Trademark Law of the People's Republic of China*, and has formulated systems such as the *Intellectual Property Management Measures* and the *Patent Management Measures (Trial)*. A comprehensive IP management system has been established to meticulously regulate the entire process of IP creation, utilization, protection, and management, covering application, maintenance, use, transfer, licensing, protection, and other aspects, ensuring that IP work is conducted in an orderly manner with clear guidelines. At the operational level, the Company actively pursues IP portfolio development by promptly filing patent applications for new technologies and products, registering trademarks for protection, filing copyright registrations for software and designs, and strengthening trade secret protection through employee confidentiality agreements and restricted information access. Digital tools are also employed for IP management to improve management efficiency and accuracy, further raising the level of IP protection. In 2025, the Company filed a total of 484 patent applications and received 76 industry-level and above science and technology advancement awards.

Intellectual Property Indicators

Indicator	Units	2025	2024	2023
Number of patent applications	Item	484	465	311
including: number of invention patent applications	Item	217	175	111
Number of granted patents	Item	262	276	273
including: number of granted invention patents	Item	115	74	36
Number of scientific and technological progress awards at or above the industrial level	Item	76	47	29

Financial Impact Assessment

The Company conducts comprehensive assessments of the impact of innovation-driven initiatives on financial condition, operating results, and cash flows. Regarding investment in technological innovation, during the 14th Five-Year Plan period, the Company has steadily advanced standardized R&D investment statistics, using management systems to regulate data collection at the source and improve data quality. R&D investment has been steadily increased, reaching RMB 3.583 billion in 2025, accounting for 2.42% of operating revenue, up 0.36 percentage points compared with the first year of the 14th Five-Year Plan. In the short term, in response to the guidance on technological innovation in the 15th Five-Year Plan, R&D intensity is expected to continue rising. While these investments increase period expenses, high-intensity R&D is fundamental for building technological reserves and developing new productive capabilities, laying the foundation for future growth. In the medium term, as prior R&D outcomes gradually translate into new products and processes, production efficiency and product added value are expected to increase, thereby improving gross margins and achieving substantial operational improvements. In the long term, sustained innovation investment will establish deep core technology barriers and enduring competitive advantages, significantly enhancing the Company's resilience to industry transformation, increasing brand value and market pricing power, and ultimately generating long-term, stable cash flow growth, delivering stronger long-term returns for shareholders.

Management of Impacts, Risks, and Opportunities

The Company has established a classified and tiered management model for scientific and technological innovation, promoted the demonstration of major technological achievements, improved the quality of R&D investment, expanded the scope of innovation awards, and ensured the efficient execution of science and technology innovation projects.

Scientific and Technological Innovation Guarantee Mechanism

Open competition for key technology projects

- Through publicly soliciting and publishing the Company's key core technology research needs, the Company fully mobilizes capable innovation entities to take on research tasks, selects research units based on their demonstrated technical capabilities, and disburses research funding upon delivery of final results, driving rapid breakthroughs on critical technical challenges.
- For projects of significant strategic importance that carry high R&D risk or face urgent timelines, the Company has introduced a "parallel competition" mechanism, providing concurrent funding to multiple shortlisted teams that possess comparable research capabilities but pursue different technical approaches. As projects progress, the Company applies a competitive selection process based on research performance, ultimately identifying the winning solution.

Guarantee for R&D investment

- Following the principles of strategic guidance and value orientation, the Company concentrates its investment on scientific and technological projects that align with its development strategy, generate innovation value, and support its business growth needs.
- Following the principles of diversified investment and hierarchical management, the Company has established an R&D funding system in which corporate-level investment provides strategic guidance, secondary enterprise investment forms the primary funding base, and national and social funding serves as a supplement. We have put in place an investment operation mechanism that aligns responsibilities with benefits, ensuring that those who invest share in the returns, with management responsibilities distributed across the Company and its secondary enterprises according to their respective funding contributions.

Guarantee for scientific and technological innovation awards

- Upholding the principle of recognizing excellence and commending outstanding achievement, the Company rewards scientific and technological innovators who have made genuinely significant contributions, fully unlocking the creative potential of its talent pool and building a first-class innovation ecosystem. Reward forms include bonus points toward the business performance assessments of secondary enterprise heads, bonus points toward science and technology innovation assessments, monetary bonuses, and non-monetary recognition.

Metrics and Targets

By 2030, the Company aims to substantially strengthen its scientific and technological innovation capabilities, achieve effective operation of its innovation system, and deliver notable overall gains in innovation-driven development. establish a well-functioning origination source for green and low-carbon industrial technologies, meaningfully improve its capacity for technology supply and industrial commercialization, generate a series of key core technological achievements and industrial demonstration innovations around its "Dual Integration+" and "Dual Counterbalancing" strategies, and build an innovation ecosystem with strong internal and external connectivity.

In 2025, the Company continued to advance enterprise certification and technology platform development. A cumulative total of 49 enterprises have obtained science and technology innovation certifications, including the designation of "Technologically Leading Enterprise," and a cumulative total of 27 technology centers have been established, including National Key Laboratories. These efforts have significantly enhanced the Company's capacity for innovation collaboration and capability-driven development.

Certification of Scientific and Technological Innovation

Technology Leader Enterprises	High-tech Enterprises	Specialized and Sophisticated SMEs	Specialized and Sophisticated Small Giant Enterprises
1	18	3	1
Gazelle Enterprises	Small and Medium-sized Tech Enterprises	Innovative SMEs	"Double Hundred Enterprises"
1	1	1	4
"Science and Technology Reform Demonstration Enterprises"	Manufacturing Single Champion Product Enterprises	Postdoctoral Research Station	Other Certifications (smart factory, green factory)
3	4	5	7

Construction of Technology Center

National Key Laboratory	National Technology Innovation Center	National Energy Coal Mine Mining Machinery Equipment Research and Development (Experiment) Center
1	2	1
National Enterprise Technology Center	National Energy Technology and Equipment Evaluation Center	National Accredited Laboratory
3	2	10
"Mass Entrepreneurship and Innovation" Demonstration Base	Local Enterprise Laboratory	Key Laboratories Under Ministries and Commissions
5	1	2

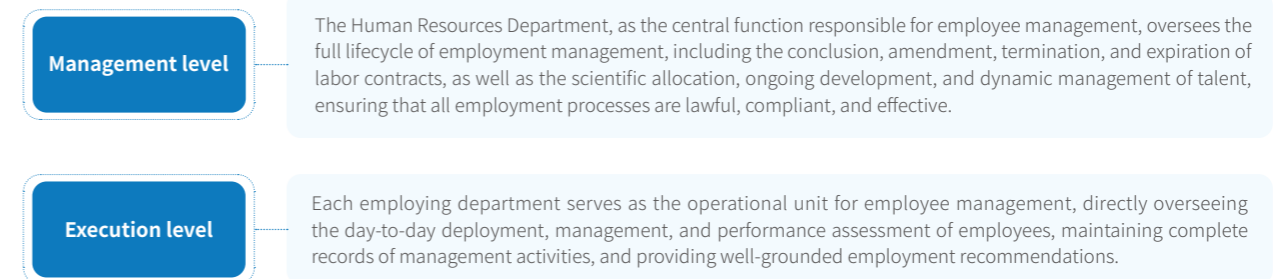
Employee Training

China Coal Energy adheres to the principle of equal employment and strictly complies with the *Labor Law of the People's Republic of China*, the *Social Insurance Law of the People's Republic of China*, the *Trade Union Law of the People's Republic of China*, the *Law on the Prevention and Control of Occupational Diseases*, and other applicable laws and regulations. Aligned with its development strategy, the Company formulates employment plans, allocates resources efficiently, standardizes recruitment procedures, and ensures the selection of outstanding talent. It has continuously strengthened its market-oriented employment mechanism, publishing recruitment information broadly through online, campus, and on-site recruitment channels to allocate recruitment resources with precision. The Company has strengthened top-level design and policy research in employee management, formulating and implementing employee management policies in a timely manner to build a sound and well-structured human resources management system. It has continuously refined its compensation management framework, developed employee compensation plans and income distribution guidelines, and standardized compensation budgeting, performance assessment, and evaluation processes. The Company has worked to strengthen its employee training system, formulating training management measures, developing medium and long-term education and training plans alongside annual training programs, and continuously expanding employee career development pathways while strengthening the assessment and management of professional and technical talent. The Company strictly implements labor quota standards, optimizes its position management framework, and regulates employment practices in accordance with the law. It actively fosters a workplace environment that is lawful, compliant, fair, and mutually supportive, fully protecting employees' legitimate rights and interests, preventing and resolving employment risks, and maintaining harmonious and stable labor relations.

Governance

The Company has established an employee management governance structure with clearly defined rights and responsibilities and efficient operations, forming a dual-level coordination mechanism of the management level and the execution level, providing a solid organizational foundation for human resources work.

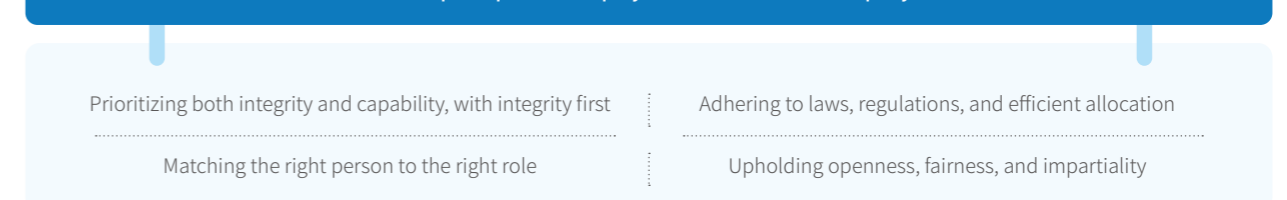
Employee Management Structure



Strategy

Guided by the philosophy that "Talent is the Primary Resource," the Company regards its employees as the core asset underpinning sustainable enterprise development. It has built a talent management mechanism that combines market orientation with a people-centered approach, broadened the scope of talent identification and selection, and promoted the emergence of outstanding talent through rigorous and well-structured recruitment management, providing solid talent support for high-quality development.

Basic principles for employee selection of the Company



In the area of employee rights protection, the Company has conducted systematic risk identification, assessment, and response management to safeguard employees' lawful rights and interests.

Employee Rights Risk and Opportunity Identification

Risk of Unlawful Employment Practices

If the Company engages in the hiring of child labor or forced labor, it will face serious legal risks and reputational damage. The *Labor Law of the Peoples Republic of China* and the *Provisions on the Prohibition of Child Labor* prohibit the employment of minors under the age of 16, with violations subject to fines of RMB 5,000 to 10,000 per person per month, and in serious cases, potential revocation of the business license.

Risk of Excessive Employee Turnover

If employee turnover remains persistently high — particularly the frequent movement of personnel in core positions such as underground coal miners, equipment maintenance workers, and technical specialists — it will seriously impact the continuity of production and the stability of management. At the production level, the loss of skilled employees leads to a decline in operational proficiency, increasing the risk of equipment failures and safety incidents. From a cost perspective, high turnover drives up hidden costs such as recruitment and training expenses.

Opportunity of Scientific Recruitment

Formulating precise recruitment strategies enables the Company to attract well-matched talent and improve operational efficiency. By clarifying recruitment standards for different position requirements (e.g., underground miners needing stress tolerance and emergency response capabilities, while technical roles require proficiency in intelligent mining technology) and designing targeted assessment components (e.g., practical skills tests and scenario simulations), the alignment between personnel and positions can be improved.

Opportunity of Effective Resolution of Labor Disputes

Establishing and improving mechanisms for labor dispute prevention and resolution can effectively reduce the incidence of disputes and maintain stable Company operations. A rapid-response dispute mediation mechanism can resolve conflicts in a timely manner and prevent escalation. Furthermore, sound labor relations management is an important pillar of the Company's ESG performance and enhances market trust.

After completing the systematic identification and assessment of key risks and opportunities, the Company has implemented corresponding management actions, translating the above findings into specific preventive measures and institutional arrangements to address risks and capture opportunities in a structured manner.



Equal and Diverse Employment

The Company strictly complies with national labor laws and regulations, including the *Labor Law of the People's Republic of China* and the *Labor Contract Law of the People's Republic of China*, and has established a fair, democratic, competitive, and merit-based talent selection and employment mechanism. It has formulated systems such as the *Employee Selection and Recruitment Management Measures*, which clearly define the employee selection process. Results are publicly announced prior to employment, proactively inviting employee oversight to ensure transparency and compliance throughout the employment process. The Company practices an inclusive and diverse employment philosophy, giving full consideration to diversity in gender, ethnicity, and professional background during recruitment. Through a combination of campus recruitment and open social recruitment, it attracts talent broadly, and actively welcomes veterans, persons with disabilities, and other groups to support stable employment. The Company continuously improves its internal talent mobility mechanisms, promoting the orderly flow and rational deployment of talent across industries and business segments, and optimizing the talent structure to provide solid talent support for the Company's high-quality development.

The Company has innovatively adopted a combined "unified examination and computer-based testing" model for the autumn recruitment of 2026 graduates and headquarters management trainees. It has also promoted the use of advanced and intelligent assessment tools such as psychological evaluations, occupational personality tests, emotional intelligence tests, leaderless group discussions, and AI interviews to comprehensively assess candidates' mental and cognitive capabilities, enabling scientific and precise screening and selection of outstanding graduates.

Prohibition of Child Labor and Forced Labor

The Company strictly complies with the *Regulations on the Prohibition of Child Labor* and the *Employee Recruitment and Selection Management Policy*, which set out clear and binding standards for hiring practices. We adopt a rigorous qualification review mechanism at the recruitment stage, with particular emphasis on the verification of valid identity documents, including national ID cards and household registration records, as well as personal employment files. Candidates proposed for hire are publicly announced to ensure transparency and accountability, and are subject to oversight from all relevant parties, effectively eliminating the use of child labor at the source. The Company has fully adopted a universal labor contract management system, standardizing employment procedures and ensuring that all employment relationships are conducted in strict compliance with national regulations, fundamentally precluding any form of forced labor. During the reporting period, no violations of employment regulations were recorded.

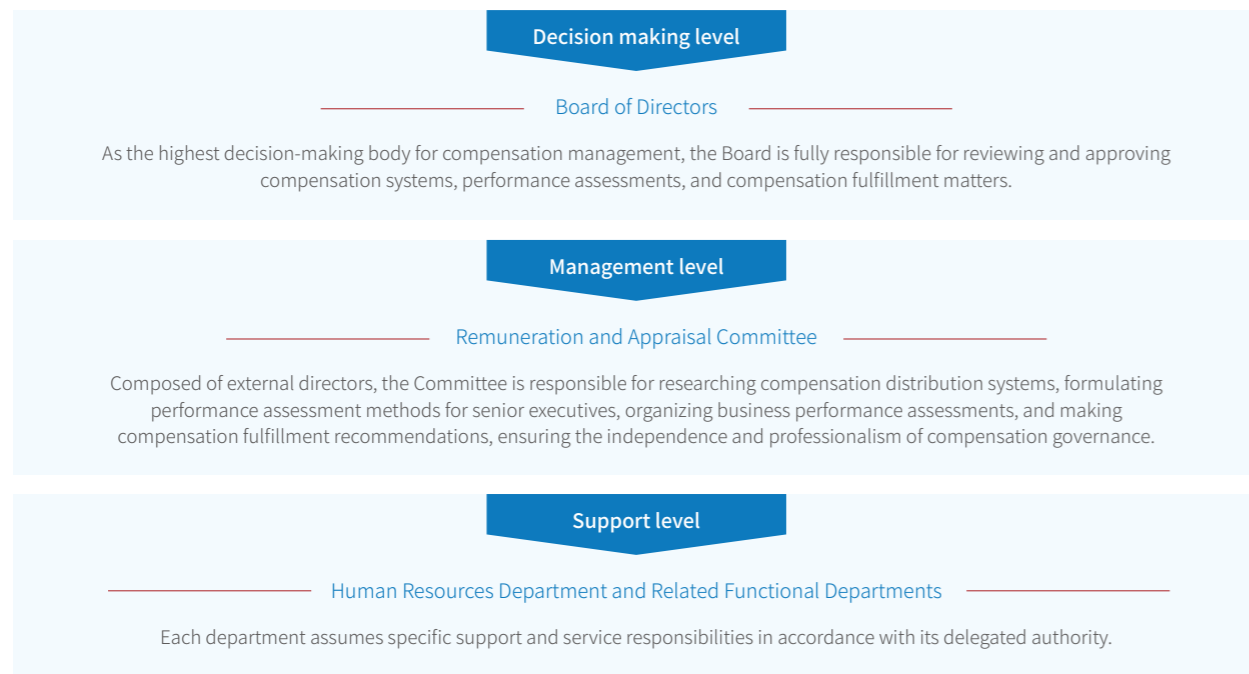
Labor Dispute Resolution

The Company has formulated the *Legal Dispute Case Management Measures* and established a full-process standardized management mechanism covering the prevention, handling, and archiving of labor dispute cases. It strictly adheres to six core principles — tiered management, timeliness, legal compliance, balanced efficiency, using cases to drive management improvement, and prioritizing internal negotiation — to properly handle labor disputes. By systematically reviewing the various risks arising during the signing and execution of labor contracts, standardizing management processes, and properly handling relevant litigation and arbitration, the Company continuously strengthens full-cycle management of labor contracts and effectively safeguards the lawful rights and interests of both the Company and its employees.

Employee Compensation and Benefits

The Company's overarching goal is to build a standardized, orderly, precise, and effective employee compensation management system, forming a compensation management framework centered on compensation decision-making with coordinated responsibilities among all relevant parties. The Board of Directors is responsible for the framework design and major decisions regarding employee compensation policy. The Remuneration and Appraisal Committee is responsible for formulating and evaluating the implementation of detailed employee compensation management rules. Based on the Company's employee compensation strategy, management formulates specific compensation plans linked to employee performance and business results. The Human Resources Department is responsible for the daily management and oversight of employee compensation, ensuring that compensation distribution is transparent and compliant. Through this clearly tiered compensation management framework, the Company effectively incentivizes employees to improve performance and provides a guarantee for the Company's high-quality development.

Compensation Management Framework



The Company treats compensation management as an important component of human resources management, with relevant requirements covering position management, performance assessment, and compensation distribution. It continuously improves compensation distribution policies and has formulated and implemented institutional documents including the *Working Rules of the Board's Remuneration and Appraisal Committee*, the *Interim Measures for Business Performance Assessment of Senior Management*, the *Compensation Management Measures for Senior Management*, the *Medium- and Long-Term Incentive Management Measures*, and the *Headquarters Compensation Management Measures*. These establish a compensation management system combining position-based pay, performance orientation, and market-based approaches, and clarify the structure and composition of employee compensation. A dynamic salary adjustment and performance assessment mechanism has been established, linking employee compensation to position changes, performance outcomes, and business results. Through improved compensation oversight and review processes, compensation management practices are standardized. Incentive measures such as excess profit bonuses are implemented in accordance with laws and regulations to strengthen the incentive and constraint functions of compensation.

In 2025, the Company adhered to the principles of "standardization, incentivization, and targeted allocation" to advance compensation reform in an integrated manner, improving a market-oriented, contribution-centered performance assessment and compensation distribution system for all employees. The emphasis is on rewarding those who work more, those with higher skills, and those who innovate, making incentives more precise and impactful to fully unleash the Company's intrinsic motivation. Leveraging documents such as the *Medium- and Long-Term Incentive Management Measures*, the Company has implemented incentive programs primarily targeting core talent in science and technology

R&D and business-critical roles, as well as frontline employees, through market-based incentives.

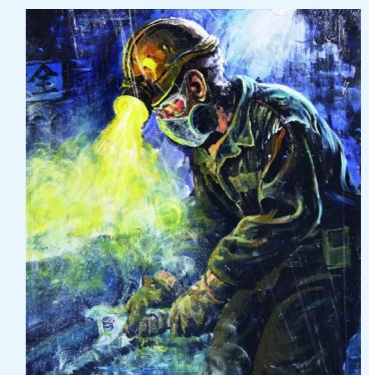
The Company has formulated systems such as the *Regulations on Paid Annual Leave for Employees* and the *Management Measures for Employee Attendance and Leave* to systematically protect employees' rights to rest and leave. In addition to statutory public holidays, employees are provided with home visit leave, maternity leave, marriage leave, bereavement leave, and other types of leave. Attendance management standards and working hour systems are clearly defined to ensure a healthy work-life balance for employees. Through a comprehensive leave system and employee-centered management practices, the Company creates a harmonious and well-ordered working environment.

The Company comprehensively enhances employee medical security by legally contributing to social insurance and providing medical funds for all employees, ensuring their access to pension, medical, and other social welfare benefits. The Company handles monthly personnel additions and reductions, medical fund allocation, and medical expense claim settlements, and reimburses out-of-pocket expenses for employees with serious illnesses through the medical fund's "public account." In addition, the Company organizes on-site medical and health consultation sessions, provides employees with expedited medical access services, conducts thorough employee health check-ups, establishes medical rooms in centralized office areas and affiliated plants and mines, and establishes rapid coordination mechanisms with nearby hospitals.

The Company values the physical and mental well-being of its employees, actively organizes and encourages participation in various cultural and sports activities, and strives to foster a harmonious and well-ordered working atmosphere, enhancing employees' sense of belonging and well-being.

Case The Company Hosts the "China Coal Shines Cup" Cultural and Sports Events

To advance enterprise culture development, actively implement the "SHINE" brand strategy, and enrich employees' cultural lives, the Company successfully organized the "China Coal Shines Cup" series of events. The events included an employee basketball tournament and calligraphy, painting, and photography competitions. The basketball tournament was held across multiple competition zones including Pingshuo Group, Shanghai Energy Company, and Northwest Energy Company, where participants demonstrated outstanding skill and a tenacious competitive spirit, effectively strengthening team cohesion. The simultaneously held calligraphy, painting, and photography competitions encouraged employees to express patriotic sentiments and convey spiritual strength through brushwork and ink, and to capture the grandeur of the landscape and the spirit of the era through the lens, collectively showcasing the Company's high-quality development achievements and employees' vibrant and positive outlook, and vividly embodying the Company's cultural confidence and employees' collective sense of honor and pride.



"China Coal Shines Cup" Series of Cultural and Sports Activities

Employee Communication and Support

The Company places great importance on democratic employee management, strictly establishes and improves trade union organizations in accordance with the *Trade Union Law of the People's Republic of China*, and systematically carries out trade union work. It upholds the systems of employee representative congresses, factory affairs disclosure, and employee representative inspections, effectively safeguarding employees' right to be informed, right to participate, and right to oversee. Through activities such as democratic management learning and exchange meetings, the Company continuously enhances the professional capabilities of trade union officials.

The Company regularly conducts surveys on employee attitudes and thinking, dynamically tracks employee needs, and promptly optimizes management measures. The 2025 survey primarily covered areas including the compensation system, promotion

paths, and training opportunities, with employees broadly affirming their current working conditions.

The Company attaches great importance to the livelihood of vulnerable groups and employees facing hardship, and has established a systematic support and assistance framework. Assistance standards are formulated with a dynamic adjustment mechanism, and a standardized full-process mechanism covering application, verification, and approval is clearly defined. Through closed-loop management including case registration, targeted assistance, and poverty alleviation assessment, an efficient and accessible support channel has been created to provide timely and effective assistance to employees in need. During the reporting period, the Company provided assistance to 924 employees, invested RMB 1.2994 million in employee care and assistance funds, and conducted visits to 417 employees.

Management of Impacts, Risks, and Opportunities

Upholding the principle of equal and diversified employment, the Company has systematically built a full-cycle employment risk management framework covering recruitment and access, on-the-job management, and dispute resolution. It prevents employment risks at the source, handles labor disputes with rigor, effectively safeguards employees' legitimate rights and interests, and maintains a stable and well-ordered internal environment that supports high-quality development.

Metrics and Targets

The Company has established a scientific and well-structured indicator system for employee rights and interests management, covering key dimensions including employment structure, employee care, and labor relations. Through quantitative management, the Company continuously optimizes human resource allocation and enhances employee well-being.

Employee Management

Number of flexible jobs

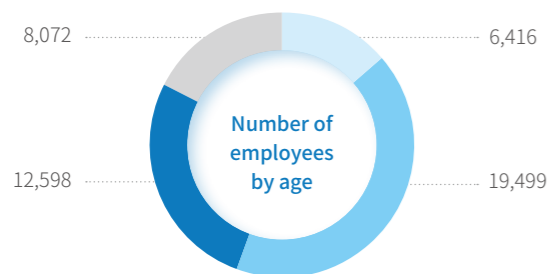
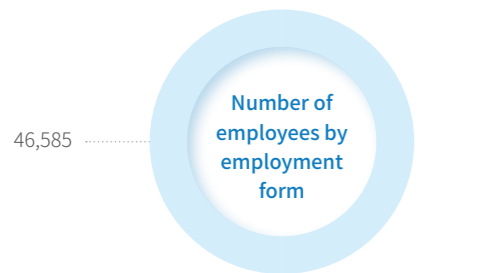
5,045

Total number of new employees

1,078

Total number of employees

46,585



Number of employees from ethnic minorities

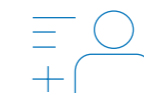
1,182

Number of employees with disabilities

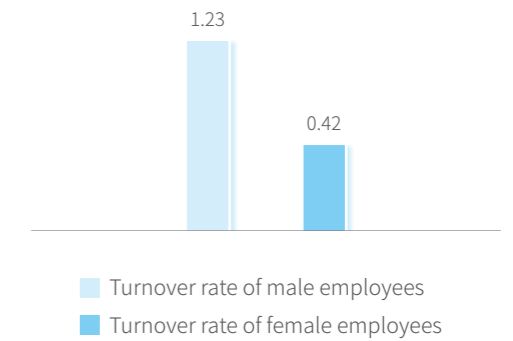
107

Employee turnover rate

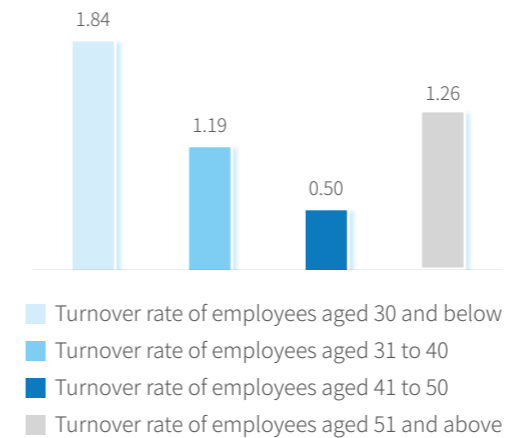
1.11%



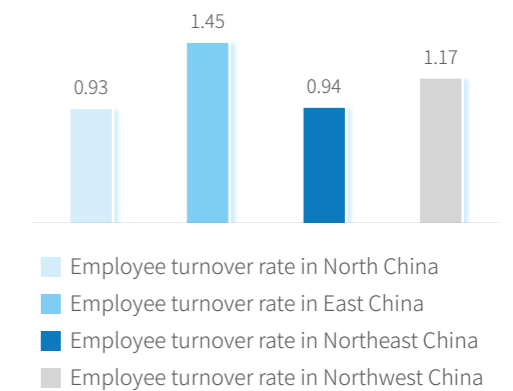
Employee turnover rate by gender (%)



Employee turnover rate by age (%)



Employee turnover rate by region (%)



Employee contract signing rate

100%

Union membership rate

100%

Social insurance coverage

100%

Total number of employees assisted

924

Number of visits to employees

417

Employee care and assistance

129.94 RMB10,000



Employee Development and Training

The Company has always regarded talent as its most valuable resource, formulated and implemented internal regulations including the *Medium- and Long-Term Incentive Management Measures* and the *Management Measures for Qualification of Professional and Technical Positions*, and has built clear career development pathways and incentive mechanisms. These define promotion standards and pathways for employees across all roles and levels, providing continuous growth opportunities throughout their careers.

Guided by a people-centered management philosophy and a firm commitment to the "talent-powered enterprise" strategy, the Company treats education and training as a vital lever for raising employee capability and driving enterprise development. It has formulated the *Talent Development Plan During the 14th Five-Year Period*, the *Interim Regulations on Employee Education and*

Training Management, and the *Implementation Measures for the Integration of Career Development Pathways for High-Skilled Talent and Engineering and Technical Talent (Trial)*, building a training management system that covers all employees throughout their entire career lifecycle. By issuing annual training plans at the start of each year to establish clear objectives and tasks, the Company has put in place a three-tier coordination mechanism, with centralized oversight by the Human Resources Department, division of responsibilities across functional departments, and tiered implementation by subsidiaries, ensuring efficient allocation of training resources and effective delivery of training responsibilities.

To systematically manage employee development and training, the Company thoroughly identifies and actively responds to the risks and opportunities in this area.

Employee Development and Training Risk and Opportunity Identification

Risk from Training Ineffectiveness

If employee training lacks focus, systemic design, or practical impact, employees' skills may fail to match role requirements, increasing training costs and reducing the return on investment.

Opportunity from Competitiveness Enhancement

Building a training system that closely aligns with role requirements and strategic development priorities can strengthen the Company's talent appeal and industry competitiveness while reducing recruitment costs.

The Company has continued to strengthen its platform and resource investment, building a layered, functionally complementary network of training facilities drawing on institutions including the China Coal Party School, China Coal Vocational and Technical College, Pingshuo Group Education and Training Center, and the Coal Chemical Industry Training Center, continuously optimizing teaching facilities and curriculum offerings. By consolidating high-quality teaching resources, establishing a trainer pool for education and training programs, and sharing instructors, co-developing courses, and delivering collaborative instruction, the Company has significantly raised the professional quality and practical effectiveness of its training activities.

The Company has established a regular competitive job appointment mechanism under which, in principle, all positions across every department undergo an open competition every three years. During the competition process, departments may set qualification requirements above the baseline that better reflect the specific demands of each role, ensuring strong person-role alignment and merit-based selection. Based on annual performance appraisal results and day-to-day work performance, the Company dynamically adjusts employee roles, enabling movement up, down, in, and out of skilled positions to continuously optimize the talent structure and enhance overall organizational effectiveness.

Case Pingshuo Group Selected for the Coal Industry Education and Training Base Program

Pingshuo Group has been selected as a construction unit for the "Coal Industry Education and Training Base" program, jointly assessed by the China Coal Industry Association and the China Coal Education Association, making it one of 30 nationally selected organizations. This recognition confirms that the Company's work in vocational education and talent development has earned high regard across the industry.

To support the transformation, upgrading, and high-quality development of the coal industry, Pingshuo Group has built a comprehensive education and training system spanning theoretical instruction, practical skills training, and technology research and development. Base construction is guided by real production scenarios, with more than 100 full-time instructors facilitating deep integration between teaching content and hands-on practice, achieving a genuine unity of "teaching, learning, and doing." Pingshuo Group has also actively expanded school-enterprise cooperation, establishing long-term collaborative education partnerships with multiple universities to jointly develop curricula, conduct technical research, and cultivate talent, exploring a new "production, learning, research, and application" talent development model driven by technological innovation.

In 2025, the Company formulated and implemented its annual education and training plan, drawing on external high-end training institutions under its "One School, Four Colleges" network and fully leveraging the strengths of internal institutions including the China Coal Party School and China Coal Vocational College. The Company continued to run a series of tiered, differentiated brand training programs including the "Voyage Plan," "Cornerstone Project," "Qingma Project," and "Cadre Comprehensive Capability Development Program," recording a total of 92,000 participants throughout the year and advancing the goal of shared growth between employees and the enterprise. Going forward, the Company will actively implement the relevant requirements for education and training, adhering to the principle of "demand-oriented, targeted delivery, learn what you do, fill the gaps you have," building a comprehensive, multi-level, and multi-dimensional talent development system to broadly raise the performance capabilities, professional standards, and work ethic of cadres and employees across the organization.

Employee Development and Training

Number of internal employee transfers

3,125

Expenses on employee training

6,929.97 RMB 10,000

Internal employee turnover ratio

6.70%

Total number of employees participating in the training

42,574

Total number of employee training sessions

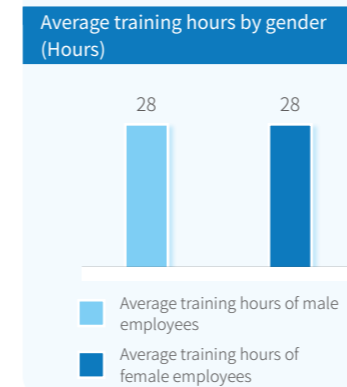
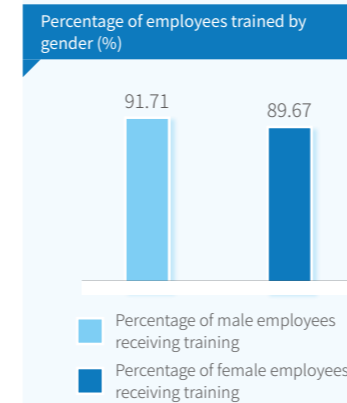
10,921

Employee training coverage

91.39%

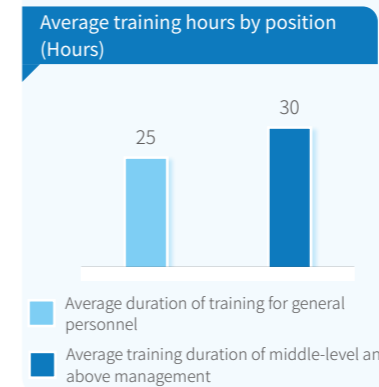
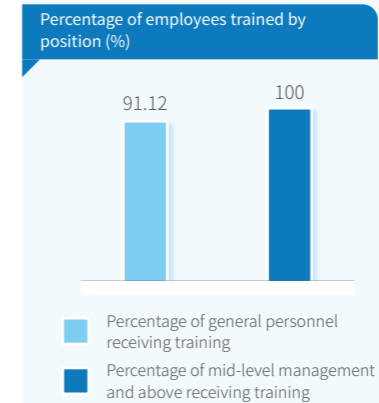
Average training hours of employees

28.00 Hours



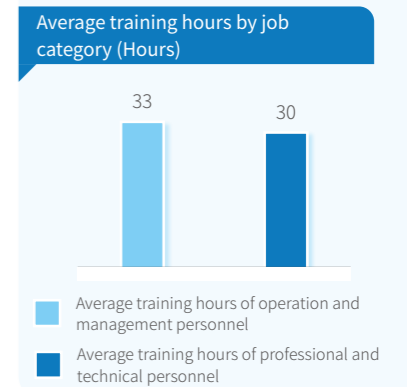
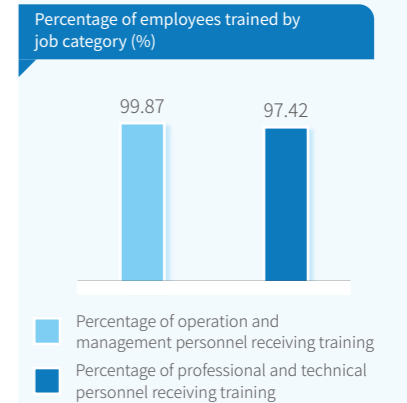
Number of personnel certified through senior professional title evaluation

685



Number of personnel certified as senior technicians through the coal industry evaluation

36



Number of personnel certified as technicians through the coal industry technician evaluation

196

Supply Chain Safety and Management

China Coal Energy has actively responded to the national strategic directives on enhancing the resilience and security of industrial and supply chains, committing itself to building a modern supply chain management system that is safe and efficient, collaborative and innovative, green and intelligent, and open and shared. By strengthening supply chain risk management and deepening ESG governance, the Company has systematically advanced the resilience and sustainability of its supply chain, demonstrating its responsibility in ensuring energy security and promoting high-quality industry development.

Supplier Management System

In strict compliance with the Civil Code of the People's Republic of China, the Law of the People's Republic of China on Tendering and Bidding, and other applicable laws and regulations, the Company revised the Management Regulations for Procurement (Supply Chain) and sub-regulations during the reporting period, including the Management Measures for Procurement Plan, the Implementation Measures for Tender Procurement, the Implementation Measures for Non-Tender Procurement, the E-Commerce Procurement Implementation Measures, the Management Measures for Material Reserve, and the Management Measures for Supplier Cooperation.

Supply Chain Governance Framework

The Company manages its procurement and supply chain under a unified governance model, organized around a two-tier centralized procurement structure spanning the corporate and secondary enterprise levels. Following the principle of segregation of incompatible duties, the Company has separated the roles of demand origination, execution, management, decision-making, and supervision, and established a management and operating mechanism built on mutual checks, balances, and coordination.

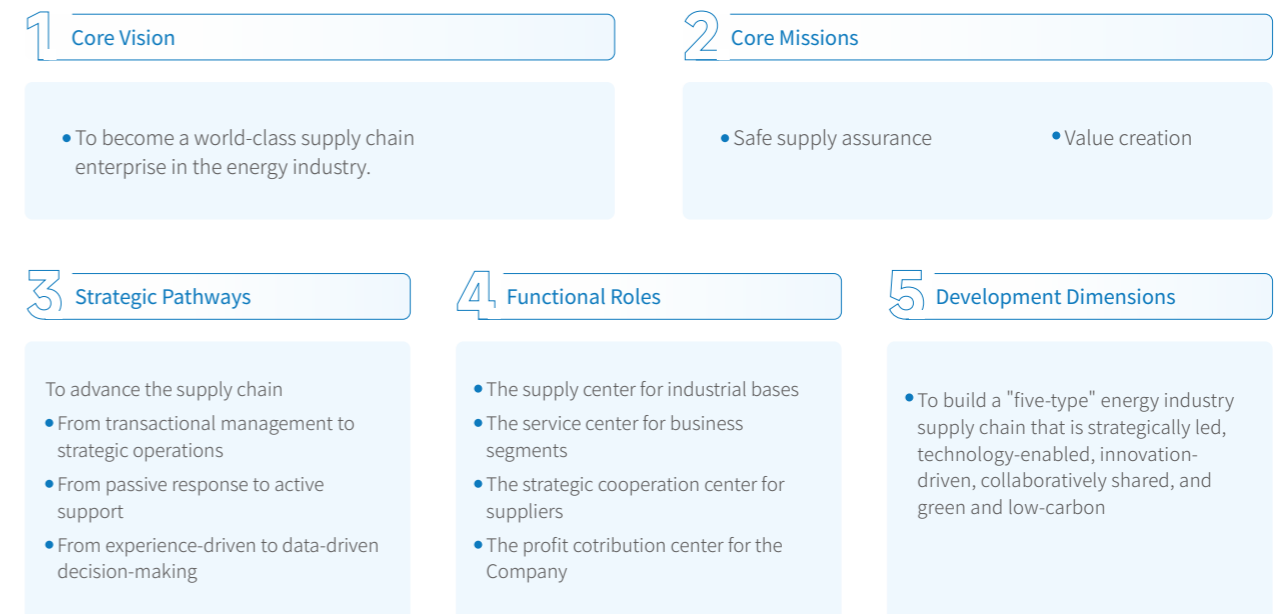
Supply Chain Governance Structure



Supply Chain Management Strategy

The Company's supply chain management strategy fully, accurately and comprehensively implements the new development philosophy, integrates into the new development pattern, and supports the construction of a new energy system. Centering on the core mission of "ensuring secure supply and creating value", and following the implementation principle of "one industry, one chain, one policy", it adheres to the development direction of "safe and lean, collaborative and innovative, green and smart, ecological and shared". We build a penetrating supply chain operation and management system with "unified standards, unified norms and unified processes" across the board, and establishes a high-quality supply partner ecosystem, so as to provide solid support for the Company to build into a world-class energy enterprise.

Strategic Objectives of Supply Chain Management: The "12345" Framework



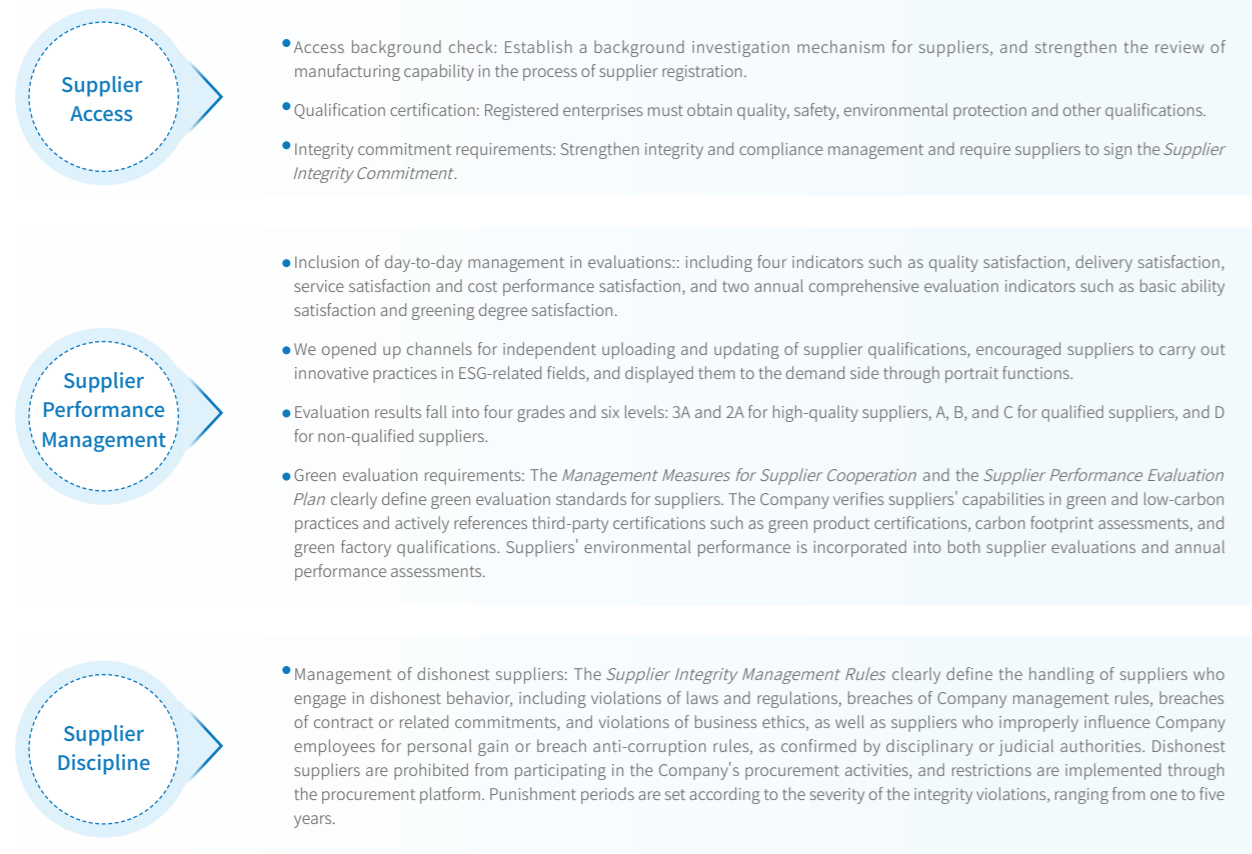
The Company has accelerated the improvement of its supply chain management and control system, built efficient and standardized business processes, implemented an innovation-driven development strategy, and vigorously advanced digital intelligence development. By balancing business growth with risk prevention and control, actively exploring diversified business models, and comprehensively strengthening supply chain resilience, the Company has accelerated its progress toward full supply chain management, playing the role of "pillar" and "ballast stone" in ensuring the safety and stability of the industrial and supply chain.



Supplier Management System

The Company has established a unified supplier classification and tiered management system that applies full lifecycle dynamic evaluation, guiding suppliers to raise their product quality and service capabilities in accordance with the principle of "supporting the excellent, eliminating the unqualified, and achieving mutual benefit." The *Management Measures for Supplier Cooperation* has established clear requirements for supplier registration, access, performance evaluation, tiering, credit management, and exit, strengthen dynamic management across the supplier lifecycle, set grading and classification standards, standardize the handling of supplier misconduct, build a scientifically rigorous supplier performance evaluation system, refine supplier incentive mechanisms, and drive the effective application of evaluation outcomes.

Supplier Lifecycle Management Process



The Company has pursued in-depth optimization of its supplier structure, driving a campaign to address unreasonable "middlemen" in goods procurement, achieving a comprehensive remediation rate of nearly 90%. The Company has intensified penalties for supplier misconduct, implementing Company-wide suspension and internal disclosure. By removing suppliers with no procurement activity, erroneous records, or duplicate accounts over the past five years, the Company has reduced its total registered supplier count from over 160,000 to over 70,000, comprehensively improving supply chain management efficiency.

The Company consistently upholds the principle of fairness and equality, treating small and medium-sized suppliers on equal terms. In the procurement process, it sets qualification

requirements fairly and avoids unreasonable thresholds that would exclude smaller enterprises. For most projects, the Company applies immediate payment terms; for certain goods procurement projects, it follows contract-stipulated payment timelines of two to three months after delivery, consistent with the standards applied to all supplier types, fully protecting the rights and interests of small and medium-sized suppliers. The Company has continued to raise the standardization and intelligence of contract performance, settlement, and payment processes, promoted standardized process integration and accurate data flow, established monitoring and early-warning functions covering delivery through to payment, and makes payments strictly in accordance with contract terms to maintain its reputation.

Sustainable Supply Chain

The Company adheres to responsible procurement, fully embedding the principles and requirements of social responsibility across its entire procurement process, and conducting regular supplier due diligence. We have incorporated supply chain security and resilience, green and low-carbon, and collaborative innovation requirements into its evaluation framework, promoting green and low-carbon high-quality development across the full industry chain, actively guiding supply chain member enterprises to engage in green and low-carbon supply chain development, and enabling the long-term sustainable development of its supply chain.

Supply Chain Safety and Resilience

The Company has continued to strengthen its supply chain risk prevention and control capabilities, accelerated the development of an independent, controllable, and reliable supply system in key domains, and vigorously pursued chain-strengthening and chain-completion initiatives to comprehensively enhance supply chain resilience.

The Company conducts dynamic risk analysis and assessment, and has established a supply chain internal control and risk prevention system with unified management and tiered accountabilities. We have put in place internal control procedures, risk identification, assessment and early-warning indicators, and risk alert mechanisms, regularly reviews internal control weaknesses and risk exposures across business operations, and issues timely supply risk alerts. The Company has also established an intelligent compliance early-warning center that dynamically incorporates risk control points across all procurement stages into its alert system, achieving end-to-end traceability and real-

time risk control.

The Company has established a robust supply chain risk response mechanism, deepening the diversification of its supply chain across multiple dimensions including technological self-reliance, supply network resilience, and digital enablement. We have pursued joint R&D and domestic substitution programs, applied digital tools to intelligent risk management, improved reserve management practices, and implemented multi-dimensional joint reserve strategies, building a diversified, agile, and flexible supply network that systematically strengthens the Company's supply chain risk resilience and sustainable supply capacity.

Guided by its overall risk management framework, the Company has focused on supply chain security and management issues and has completed the identification of key risk and opportunity types, providing a clear roadmap and decision-making basis for precise risk prevention, control, and opportunity conversion.

Construction of Green and Low Carbon Supply Chain

The Company has accelerated the construction of a green supply chain system, issued the *Work Plan for Actively Promoting the Construction of a Green and Low-Carbon Supply Chain* and formulated a task list of 74 action items covering top-level design, full-chain transformation, and support to enhance ESG management across the supply chain. The Company has vigorously advanced green procurement by incorporating green and low-carbon indicators into procurement review criteria, establishing and strengthening supplier green performance evaluation, and embedding green, low-carbon, and environmental principles throughout its supply chain management. We have established green innovation workstreams to explore green management models in large equipment supply, maintenance, and supervision. The Company's supply chain platform has simultaneously launched a dedicated "Green Zone" featuring over 100 nationally certified green products, supporting green and low-carbon procurement and high-quality supply chain development.



Case The Company Participates in the 8th China International Import Expo

On November 9, 2025, the 8th China International Import Expo and Hongqiao International Economic Forum was held in Shanghai. During this year's CIE, the Company actively participated in multiple high-level supply chain exchanges and substantive cooperation activities, attending the sub-forum on "Enterprise Open Cooperation to Strengthen Global Industrial and Supply Chain Resilience." The Company organized training sessions and industry exchange events, inviting experts from the China Tendering and Bidding Association and the China Federation of Logistics and Purchasing to deliver training on procurement policy, green procurement, and supply chain sustainability, and organized exchanges on procurement and supply chain development with China Coal Science and Technology, the General Bureau of Coal Geology, and relevant industry associations. At the CIE signing ceremony, the Company's trading delegation

reached agreements with 13 enterprises from 8 countries, covering imported coal, steel, coal mining equipment, coal chemical equipment, and related accessories. Total procurement value increased by 47% compared with the previous session, representing a significant leap in cooperation scale, advancing the Company's journey from global procurement to co-innovation and from equipment introduction to industrial chain collaboration. Looking ahead, the Company will make important commitments to expanding high-level openness, closely aligning with the dual goals of energy security and green and low-carbon transformation, strengthening industrial and supply chain resilience, advancing international operations and brand development in tandem, and working with global partners to open new avenues for cooperation and build a new energy ecosystem.



Participated in the 8th China International Import Expo

Case Digital Intelligent Procurement, Linking the Chain with Efficiency

Deploying AI technology and digital infrastructure as twin engines, the Company has driven intelligent upgrades across the full procurement supply chain, establishing a replicable industry benchmark.

Development Company has actively explored innovative AI applications in supply chain management, achieving deep AI-powered enablement across the entire procurement process, strengthening the supply chain data foundation, and supporting intelligent transformation. Independently developed the Lingjing multimodal recognition large model and three intelligent agents—Lingjing-IntelliAnswer, Lingjing-IntelliReview, and Lingjing-IntelliTrain—to construct a "1+4+N"²⁰ intelligent ecosystem that enhances procurement efficiency, user experience, risk control, and decision-making optimization. Through process integration, comprehensive digitalization, and data sharing, the Company has achieved full supply chain business collaboration and management. The Lingjing intelligent agent won the Silver Award at the 2025 Artificial Intelligence Application Competition (Procurement and Supply Chain Track); a single module won the third prize in the Intelligent Technology Track of the 2025

Digital China Innovation Competition, and was selected as a "Typical Case of Digital Intelligent Construction of Energy Enterprise Supply Chain in 2025" by the China Electronics Enterprise Association (CEEA).

Development Company has completed the full functional development of its integrated procurement and inventory management system, uniformly deploying a digital warehousing management system (WMS) that leverages IoT technologies to achieve core functions such as multi-dimensional inventory utilization, reserve quota management, and stock early warning. The system has made initial progress toward the goal of Company-wide centralized warehousing management without requiring organizational centralization, comprehensively strengthening lean warehousing management capabilities. The integrated procurement and inventory project was selected as a "2025 Innovation Achievement in Coal Enterprise Management Modernization" by the China Coal Industry Association, and as an "Excellent Case of National Supply Chain Innovation and Application in 2025" by the China Federation of Logistics and Purchasing (CFLP).



Third Prize in the Technology Track of 2025 Digital China Innovation Competition Intelligent



Silver Award in Artificial Intelligence Application Competition 2025

²⁰ "1+4+N" refers to one set of model matrices, four major technical platforms, and N smart applications.

Supply Chain Self-Reliance and Controllability

The Company has comprehensively advanced domestic substitution and the self-reliant controllability of core technologies, vigorously promoting the application of domestic key core technology products and incorporating them into the centralized procurement catalogue. Our institutional framework explicitly permits the use of non-tendering procurement methods for domestic R&D and substitution-related projects, simplifying procurement procedures and providing enabling conditions for localization efforts. The Company has formulated the *Management Measures for Convenient Procurement of Science and Technology Innovation*, giving full play to procurement's supporting role in driving technological innovation, promoting the commercialization of results and the development of new productive forces, and strengthening support for "First Batch, First Set, First Application"²¹ products and independently controlled domestic substitution alternatives.

Synergistic Development of Supply Chain

The Company has been committed to building a safe, resilient, green, and efficient supply chain ecosystem. At the 2025 International Supply Chain Annual Conference, acting as a founding advocate of the Global Green Supply Chain Initiative and as a contributing author of the *China Supply Chain Development Report*, the Company contributed to the compilation of the *Blue Book on Global Supply Chain Development Trends*, integrating Chinese solutions into the international dialogue. At its inaugural Supplier Conference, the Company launched the *Green and Low-Carbon Supply Chain Initiative*, deepened strategic alignment with core suppliers, and jointly committed to building a safe, resilient, green and low-carbon, and efficient supply chain ecosystem.

Supplier Capacity Building

The Company has continued to deepen supplier capacity building, helping upstream and downstream partners jointly strengthen their sustainable development capabilities. In the first half of 2025, the Company delivered online training in supplier cooperation management and ESG fundamentals, covering new policy introductions and green and ESG guidance, attracting a total of 12,777 suppliers to participate with 64,616 views. At the end of October, the Company held its inaugural Supplier Conference, conducting on-site training and exchanges on green and low-carbon supply chain requirements for more than 180 key suppliers. In 2025, the Company delivered two rounds of supplier ESG training covering topics including business ethics, quality and service, and green and low-carbon practices.

Case The Company Holds Its First Supplier Conference in Beijing

On October 29, 2025, the Company held its inaugural Supplier Conference in Beijing under the theme "Safety, Green, Intelligent Chain, Win-Win: Building a New Ecosystem for Modern Energy Supply Chains." The conference aimed to deepen strategic alignment with core suppliers and jointly build a safe, resilient, green and low-carbon, and efficient supply chain ecosystem. Upholding an open and inclusive spirit, the Company committed to working side by side with its supplier partners, deepening cooperation with concrete action, and continuously strengthening the core competitiveness of its industrial and supply chain in the domains of original technology research and secure, efficient, green energy development and utilization, together building a more resilient, high-performing, and competitive modern supply chain.

In active response to the national "dual carbon" goals and guided by the principle that "lucid waters and lush mountains are invaluable assets," the Company officially launched the *Green and Low-Carbon Supply Chain Initiative at the conference*, calling on supply chain partners to share responsibility and systematically explore pathways to carbon peaking and carbon neutrality across the coal industry, promoting coordinated green and low-carbon development

across the full industrial chain. All parties engaged in in-depth exchanges around cutting-edge technologies and solutions, strengthening the bonds of sincere cooperation. The conference generated broad consensus among all participants on co-building a modern energy supply chain and opened a new chapter of collaborative development. The Company will join hands with its partners, taking safety as the cornerstone, green development as the guide, and innovation as the engine, to advance high-quality development and contribute more to ensuring national energy security and promoting green and low-carbon transformation.



The First Supplier Conference

Metrics and Targets

By the end of the 14th Five-Year Plan period, the Company achieved a procurement cost savings rate of 7.7%, and the online processing rate of procurement activities reached 100%. The Company has also established targets related to supply chain security and management, in order to safeguard the interests of both the Company and its stakeholders.

Supply Chain Management Target

Topic	Indicator	Target	Progress During Reporting Period	Target Achievement
Supply chain safety and management	Public Procurement Rate	85%	93%	Target achieved
	Amount of overdue payment to SMEs	Zero overdue payments for undisputed payable	No overdue payments	Target achieved

By the end of the reporting period

The Company had active suppliers

73,527

Including domestic suppliers

73,504

Overseas suppliers

23



Supply Chain Management

Classification of Suppliers	Number of Suppliers in 2025	
Total number of suppliers	73,527	
Number of suppliers in China	Northeast China	1,953
	North China	27,838
	East China	21,616
	South China	2,672
	Northwest China	6,789
	Central China	10,133
	Southwest China	2,503
Number of overseas suppliers	Rest of Asia	4
	North America	2
	Europe	16
	Oceania	1

During the reporting period, all expenditures for normally performed and accepted projects have been completed. The Company attaches great importance to exceptional circumstances such as failure of project deliverables to pass acceptance, involvement in litigation, or abnormal supplier accounts, and has implemented multiple solutions to ensure proper resolution of these issues and maintain a healthy supply chain ecosystem.

²¹ "First Batch, First Set, First Application": First Set of Equipment, First Batch of Materials, First Edition Software.

Product and Service Management

China Coal Energy has consistently regarded the provision of safe, reliable, and clean energy products and services as its core responsibility. Through a robust quality management system, continuous technological innovation, and a customer-centric service approach, the Company ensures that it meets customer needs and societal expectations across the full product lifecycle, from development and production through to sales and after-sales support.

Management System

The Company abides by the *Product Quality Law of the People's Republic of China*, the *Regulations on the Supervision and Administration of Quality and Safety Responsibilities of Industrial Product Producers*, and other applicable laws and regulations. We have formulated internal systems including the *Measures for Quality Management of Coal chemical Products*, the *Measures for Technical Standards Management of Coal chemical Products*, the *Measures for Quality Management of the Power Industry (Trial)*, the *Measures for Factory Acceptance Management of Complete Coal Mining Equipment Sets*, and the *Measures for Internal Inspection Management*, building a systematic product quality governance framework closely aligned with the "coal-power-chemical-new energy" integrated industrial chain and tailored to the distinct characteristics of each product type.

The Marketing Management Office takes the lead in quality management, driving the development of product and service

quality management systems, strengthening institutional frameworks, and supervising quality inspections, rectifications, and certification activities. Each business division is responsible for quality management within its respective sector—coal, power generation, chemicals, and equipment manufacturing. Their responsibilities include establishing relevant management systems, developing quality management information platforms, promoting advanced quality management technologies and practices, guiding subsidiaries in quality system and product certification, overseeing product quality, investigating and addressing quality incidents, and handling quality disputes and customer complaints. Each subsidiary carries out specific quality management measures within its scope, including quality system and product certification, quality education and training, end-to-end quality management across planning and production, investigation of minor and general quality incidents, and customer follow-up and after-sales service.

Quality Management Policy

The Company upholds the philosophy of "excellent production quality, customer satisfaction, and market competitiveness," and commits to delivering outstanding products and services to customers. We have formulated differentiated and targeted management policies tailored to the distinct characteristics and production processes of each business segment, providing effective direction for high-quality product and service management.

Management Policy

Coal business

- The Company continuously strengthens its coal quality management system, intensifies quality oversight and inspection, and reinforces end-to-end quality control across coal mining, washing, transportation, and storage. We drives product quality management certification to ensure the consistent quality and stability of its major products, and optimize its product mix in response to market demand to deliver customized coal products that meet the specific needs of different customers.

Chemical business

- The Company strictly implements quality standards with market and customer needs at the center, producing chemical products that deliver excellent quality, customer satisfaction, and market competitiveness.

Equipment manufacturing business

- The Company adheres to quality first, and upholds the core belief that "quality is life." We have embedded a strong commitment to quality excellence across its full value chain, spanning R&D, procurement, production, and services. Through management benchmarking, standards-led governance, technology-driven innovation, and targeted quality breakthroughs, the Company continuously raises quality control standards at every stage of its operations, ensuring the high-quality supply of products and services.

Power generation business

- The Company strictly implements national quality laws, regulations, guidelines, and policies, standardizes quality management across engineering construction and production operations in the power industry, and pursues quality-driven enterprise strengthening alongside continuous efficiency improvement.

Case The Company Drives the Equipment Segment's Shift from Scale Growth to Quality and Efficiency

In August 2025, the Company issued the "Full-Chain" Quality Improvement Action Plan for the Equipment Segment, with key tasks including advancing total quality management, strengthening the standards framework, raising product and service quality, and building the quality brand. The plan aims to consolidate the core competitiveness of the equipment manufacturing business and drive the segment's transition from scale-driven growth to quality and efficiency-driven development, building an equipment brand defined by technical excellence, leading standards, and outstanding reputation. Subsidiaries in equipment segment have won the First Prize of the National Machinery Industry Quality Management Achievement Conference, the 2024-2025 Excellent Practice Case in Enterprise Quality Management, and recognition as a Typical Enterprise in Management System Practice.

Quality Certification

Shanghai Energy Company, Shaanxi Company, Pingshuo Energy and Chemical Company, China Coal Yuanxing Company, and other enterprises have obtained certification under ISO 9000, GB/T 19001, and other quality management system standards, with certification scope covering key raw materials across the full industrial chain including coal mining, washing, thermal power generation and supply, and chemical operations, demonstrating the maturity of quality management practices throughout the production process. Subsidiaries in equipment segment have successively achieved ISO 9001 quality management system certification, EN 1090 steel structure certification, and ISO 3834-2 international welding management system certification, and all mining products have obtained safety mark certificates.



Quality Management System Certification of Shaanxi Company, Pingshuo Energy and Chemical Company and China Coal Yuanxing Company

Product and Service Risk Management

Risk Management Mechanism

The Company actively conducts product quality inspection and supervision to effectively prevent and manage product and service risks.

Product Risk Management Mechanism

 <p>Coal business</p>	<ul style="list-style-type: none"> Coal preparation plants and mines without supporting coal preparation plants and exported commercial coal must have coal quality laboratories. The central laboratory of each subsidiary must be approved by CNAS laboratory after 3 years of operation; When the conditions are met, other laboratories should gradually implement CNAS laboratory accreditation. Enterprises organize at least one quarterly inspection, mines (factories) organize at least one monthly inspection, and district teams (workshops) organize at least one daily inspection (shift). The inspection results are linked to performance salary. Improve the corresponding daily, ten-day, monthly, quarterly and annual coal quality statistical reports by grading, and require all units to accurately fill in and report them in time.
 <p>Chemical business</p>	<ul style="list-style-type: none"> Only the raw and auxiliary materials that have passed the inspection and verification can be directly stored in the warehouse, and the raw and auxiliary materials in the warehouse are stored in zones according to categories, varieties and batches, and marked and established ledgers; If the raw and auxiliary materials fail to pass the inspection, they shall be isolated, marked and disposed of according to the procedures. For key processes that affect product quality, establish process critical control points. When the process critical control points fail to reach the target, timely analyze the reasons and take measures. Products are released from the factory in strict compliance with the "Five No-Release" requirements: products shall not be released if their quality, type, or specifications fail to meet applicable standards; if required testing has not been conducted or is incomplete; if no certificate of quality conformity is provided; if packaging does not comply with relevant standards; or if samples have not been retained in accordance with regulations.
 <p>Power generation business</p>	<ul style="list-style-type: none"> Before obtaining a construction permit or permission to start construction, an engineering construction project unit shall go through the formalities of engineering quality supervision in strict accordance with relevant state regulations. Projects that do not meet the requirements of national laws, regulations and mandatory standards will not be accepted. In the investigation and handling of quality incidents, the Company strictly follows the "Four No-Let-Go" principle: no closure until the cause of the incident is identified, corrective measures are implemented, responsible personnel are held accountable, and relevant personnel have received appropriate education and training.
 <p>Equipment manufacturing business</p>	<ul style="list-style-type: none"> The Company has established a full-chain quality inspection system covering raw material intake, production processes, and finished product dispatch. Relying on a testing center accredited by the China National Accreditation Service for Conformity Assessment (CNAS), it conducts tests on the chemical composition and mechanical properties of raw materials using advanced equipment such as ICP spectrometers and electro-hydraulic servo universal testing machines. The Company implements first-article inspection and three-stage in-process inspections, using equipment such as coordinate measuring machines (CMMs) and non-destructive testing devices to monitor the quality of key processes. Inspection data are collected and monitored in real time through the MES (Manufacturing Execution System). Whole-machine performance and safety tests are conducted to simulate underground operating conditions and verify equipment reliability. The Company also carries out irregular on-site inspections, organizes special quality inspections for products with prominent quality issues, and implements on-site manufacturing supervision for key projects or products subject to user-commissioned supervision.

Identification of Product and Service Risks and Opportunities

Based on the overall risk management framework, the Company identified the following key types of risks and opportunities around product and service management issues, providing a systematic basis for the subsequent formulation of precise prevention and control measures and promoting the transformation of opportunities.

Identification of Product and Service Management Risks and Opportunities

<p>Risk of lack of quality control</p> <p>If the product and service quality inspection system is not sound, it may lead to the flow of unqualified products or low-quality services into the market, damaging the interests of customers and causing reputation loss.</p> <p>If there are loopholes in quality data management, data tampering, incomplete records, etc., it will lead to problems that cannot be traced, improvement lags behind, forming a vicious circle and affecting long-term returns.</p>	<p>Opportunities to enhance customer stickiness</p> <p>Providing coal products with stable calorific value, high-purity chemical products, and reliable coal machinery and equipment enhances the confidence of key downstream customers in the Company's offerings.</p> <p>A sound after-sales service management system can significantly improve customer satisfaction and loyalty, consolidate long-term cooperative relationships and enhance market competitiveness.</p>
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Lean Customer Service

Customer Complaint Handling

The Company has formulated the *Coal Quality Dispute Management System* and the *Implementation Rules for Coal Chemical Product Sales Quality and Service Management*, and continues to deepen its business philosophy of "market-oriented, customer-centered" operations. Quality dispute matters are jointly coordinated and handled by the Sales Group and various second-tier subsidiaries, with customer complaints addressed in a timely and impartial manner to mitigate and prevent operational risks and reputational damage. During the reporting period, the response rate for product and service complaints reached 100%, with a proactive "nip it in the bud" approach adopted to prevent product risk incidents from escalating. Throughout the 14th Five-Year Plan period, the Company received no cases of product recalls due to safety or health reasons for products sold or delivered, and no litigation cases occurred.

Customer Satisfaction Survey

To continuously enhance customer satisfaction, the Company has strengthened its customer satisfaction survey mechanisms. By optimizing the customer liaison system, it improves two-way communication efficiency and gains a more precise understanding of, and response to, customers' diverse product needs.

Customer Satisfaction Survey Mechanism

<p>Frequency</p> <p>Once a year</p>	<p>Investigation Scope</p> <p>Customers who had sales business relationships during the year.</p>	<p>During the reporting period</p>
<p>Survey Method</p> <p>Distribute the <i>Customer Satisfaction Survey Form</i> to customers through e-commerce system, mail, fax, etc., explain the filling requirements and feedback time, and record the number of copies issued and the number of copies recovered.</p>	<p>Survey Report</p> <p>According to the filled content of the <i>Customer Satisfaction Survey Form</i> by customers, the <i>Customer Satisfaction Survey Summary Form</i> is summarized and the survey data is analyzed to form a survey report.</p>	<p>Customer satisfaction rates in the Company's coal, chemical products, and equipment segments all exceeded 90% reflecting strong customer recognition of its products and services</p>

Community Engagement and Social Contribution

China Coal Energy has consistently integrated its enterprise development into the national strategy and the broader pursuit of social progress. Grounded in what the nation needs, what the industry demands, and what the enterprise can deliver, the Company actively serves and gives back to society, conveying the warmth and social commitment of a responsible enterprise.

Community Engagement

The Company places a high priority on the economic and social development of the regions in which it operates. By actively engaging in public welfare and charitable initiatives, volunteer services, and emergency rescue efforts, it proactively fulfills its social responsibilities and promotes harmonious co-development between the enterprise and local communities.

Charity

The Company has actively pursued social donations in support of targeted assistance programs, rural revitalization, public welfare, education, and cultural and sports initiatives, contributing a total of RMB 14.7050 million in cash and in-kind donations. This included more than RMB 165,500 to local medical, public welfare, and community service initiatives, RMB 4.4191 million to education, and RMB 9.68 million to cultural and sports programs, actively fulfilling the social responsibilities of a central state-owned enterprise.

Volunteer Services

The Company has consistently treated volunteer service as an important vehicle through which employees participate in social development and convey a spirit of humanistic care, sustaining a diverse range of volunteer initiatives including community assistance, and event support.

Emergency Rescue

The Company regards participation in emergency rescue operations as a key aspect of fulfilling its social responsibility and serving local communities. Leveraging its professional expertise as a leading energy central enterprise and its mission as part of the "national team," the Company's professional rescue teams respond promptly and courageously to disaster situations. By effectively safeguarding the lives and property of the public, the Company demonstrates the reliability and commitment of China Coal Energy.

In 2025

the Company organized a total of

535

volunteer activities

with employee participations recorded

5,593



Case Pingshuo Group Volunteer Service Initiative

The Youth League Committee of Pingshuo Group launched the volunteer service campaign "Volunteers Pass the Torch, Youth of Pingshuo Set a New Standard," organizing volunteers to deliver community services at Pingshuo Convention and Exhibition Center Plaza and local community service centers, including safety education, home appliance repair, and jewelry cleaning, benefiting Company employees, their families, and community residents. Pingshuo Group has also established a monthly "I am Lei Feng" volunteer service day, innovatively building the volunteer service brand and embedding it into the Company's regular operations to showcase the positive social image of its employees. The "Qingshuo" Volunteer Association of Pingshuo Group was honored with the title of "Outstanding Youth Volunteer Service Organization in Shanxi Province."

Case Responding to Flood Relief in Hohhot

In August 2025, sustained heavy rainfall caused severe urban flooding in Hohhot, with certain areas experiencing significant waterlogging and flood control conditions becoming extremely challenging. The rescue team from Shaanxi Company's Emergency Rescue Center and the rescue team from Pingshuo Group deployed to Hohhot, Inner Mongolia to carry out drainage and emergency operations. The rescue teams deployed an intelligent drainage command system and high-flow equipment to pump and drain accumulated water, relieving pressure on the Hasuhai Dam flood defenses. With professional rescue expertise, effective teamwork, and selfless dedication, the rescue teams earned high praise from local authorities and residents, demonstrating through action the Company's commitment to responding whenever called upon.



Flood Fighting and Rescue Scene

Community Engagement and Social Contribution Indicators

The Company has set relevant indicators to dynamically monitor the effectiveness of community development.

Community Engagement and Social Contribution

Indicator	2025
Rural revitalization and social welfare expenditure(RMB 10,000)	5,207.94
Total social donations(RMB 10,000)	1,470.50
Amount invested in voluntary activities(RMB 10,000)	19.87
Total duration of volunteer activities (Hours)	29,676
Number of volunteer participants	5,593
Total number of volunteer activities	535
Number of jobs created	1,078
Percentage of local employees (%)	100
Paid taxes and fees (RMB 100 million)	204.15
Total social contribution (RMB 100 million)	611.12
Social contribution per share (RMB)	4.61
Number of national awards and honors received	17
Number of awards and honors received at provincial and ministerial levels or above	132

Social Contribution

The Company has actively responded to national strategies and fulfilled its corporate social responsibilities through dedication to rural revitalization, support for industrial transformation, investment in Belt and Road initiatives, and commitment to ensuring energy supply.

Responding to Rural Revitalization

The Company regards the comprehensive advancement of rural revitalization as an important expression of its social responsibility and its commitment to promoting balanced urban and rural development. In this critical period of consolidating and extending the gains of poverty alleviation and connecting them effectively with the rural revitalization agenda, the Company closely aligned itself with the national rural revitalization strategy, formulated and implemented the *2025 Key Points for Supporting Rural Revitalization*, and placed industrial development at its core while maintaining a precision-assistance orientation. By systematically mobilizing its advantages in industry, market, technology, and talent, the Company focused on cultivating endogenous development capacity

in assisted areas. The Company vigorously advanced consumption-based assistance, participating actively in the State-owned Assets Supervision and Administration Commission's "Helping Spring Festival" and "Prosperity Agriculture Week" campaigns for central enterprises, and supporting the "Harmonious Countryside Road" cultural tourism assistance platform, delivering over RMB 34 million in consumption-based assistance. In 2025, we supported a total of 21 counties and villages, implementing 22 projects across areas such as industrial development, education, and cultural tourism. These initiatives benefited over 20,000 people lifted out of poverty. We invested RMB 37.1757 million in rural revitalization, effectively driving local economic growth.



Support the development of characteristic industries

- In Mupen Village, Yinjiang County, Guizhou Province, the Company has pioneered a new rural revitalization model centered on the industrialization of intangible cultural heritage bamboo weaving. The Company funded the establishment of "Mupen Qing" Bamboo Weaving Company, transforming a traditional craft into a modern industry, helping it break into new external markets, driving the evolution of bamboo weaving products from handicrafts to everyday utility goods, and fostering cross-sector collaboration with tea enterprises and cultural and creative institutions. "Mupen Qing" has helped local villagers increase their income, and has brought a nearly forgotten craft back into public awareness. In March 2025, the project was selected as a featured case at the inaugural China Central Radio and Television Station Rural Revitalization Annual Gala.
- Shanghai Energy Company has innovatively implemented a dual-engine "business traffic generation and education support" mechanism, converting the Company's resource advantages into local development momentum. By hosting branded business events such as key coal customer negotiations, the Company has attracted industrial chain partners to visit the region, stimulating growth in local hotels, transportation, cultural tourism, and other service sectors. Meanwhile, the Company has donated to support vocational education center construction and established scholarships for local university students, helping to cultivate local talent.



Support local employment or education

- The Company regards educational support as a fundamental pillar of its rural revitalization efforts. In collaboration with state-owned cultural enterprises, it has developed a tailored teaching enhancement program for the "Rural Revitalization, China Coal Class" in Yinjiang County, Guizhou Province, equipping classrooms with modern teaching tools including interactive classroom connectivity systems, smart pen-and-paper learning devices, and inquiry-based science laboratories. In 2025, the China Coal Class in Yinjiang achieved a historic breakthrough in the national college entrance examination. Among 188 students, 67 scored above 600 points, accounting for 35% of the cohort, and 49 were admitted to "985" universities, a net increase of 27 compared with the prior year. People's Daily, Xinhua News Agency, Xuexi Qiangguo, and Guozi Xiaoxin all featured these achievements in their coverage. The Company has also supported the "China Coal Top Scholars Building" in Weixian County in deepening educational reform and raising student quality. Among the 2025 incoming first-year high school cohort, 83 students scored above 700 in the middle school entrance examination, setting the highest record for high-quality student enrollment in five years. To broaden students' horizons, the Company organizes the "See the World Beyond the Mountains" program, inviting Yinjiang students from the China Coal Class who have been admitted to Beijing universities to visit the Group's corporate exhibition halls and participate in exchange forums. It also hosts the "Together for Rural Revitalization, Strengthening Bonds Between Mountains and Seas" motivational study program, bringing 25 outstanding teachers, students, and grassroots workers from Yinjiang County to Beijing, Shanghai, and Hebei to expand their knowledge and open new perspectives.
- Shanghai Energy Company has adopted a targeted "enrollment-to-employment" assistance model, recruiting 42 underground mining workers from high school graduates and veterans in Weixian County, Hebei Province, and Yinjiang County, Guizhou Province. Each recruit receives one-on-one mentorship training through China Coal Vocational and Technical College, directly addressing the challenge of securing stable long-term employment for these communities. The Company has also actively implemented employment promotion policies in Xinjiang, where ethnic minority employees account for nearly 50% of the workforce at its Xinjiang subsidiary.

Industrial Transformation

The Company has actively advanced industrial transformation across two fronts, digital and intelligent transformation, and green and low-carbon transformation. On the digital front, the Company has promoted deep integration of digital and intelligent technologies with production and operations, advancing the launch and trial operation of the "Intelligent Control" platform, which is systematically reshaping its business management model. The platform focuses on unlocking the value of data, driving a shift in decision-making from experience-based to data-driven through business process redesign and management innovation. The Company is building a team of "Digital China Coal" professionals with both industry insight and digital fluency, accelerating the simultaneous evolution of technical and

organizational capabilities.

In terms of the green and low-carbon transition, the Company has centered its efforts on the "Dual Integration+" development model, pursuing new energy resource acquisition and project delivery with full force. By strengthening its institutional framework and performance assessment mechanisms, the Company has secured new energy quotas in key regions including Inner Mongolia, Xinjiang, and Guangxi, and has advanced the implementation of new energy projects supporting coal-fired power, cooperative development projects, and market-based competitive allocation projects, systematically building a clean, low-carbon, safe, and efficient modern energy system.

Belt and Road Initiative

The Company has actively embraced the Belt and Road Initiative, serving the national energy security strategy while expanding its domestic and overseas industrial chain footprint from its existing coal trade base. Drawing on its coastal location advantages, the Company has focused on opening up key coal transportation corridors to priority countries, regions, and projects, exploring the development of a safe, efficient, internally and externally connected logistics network, and advancing an international trade framework integrating import supply assurance, export value creation, and re-export brand development. The Company has also optimized its imported coal procurement and sales coordination mechanism, expanded stable supply sources, and consolidated supply channels. Building on its established position in traditional markets such as Indonesia, the Company has actively expanded cooperation with Belt and Road partner countries including Malaysia and Cambodia, managing export quotas, profitability, and market dynamics with prudence to steadily advance export trade and enable the systematic overseas expansion of its full industrial chain product portfolio.

core competitiveness in "intelligent manufacturing and modern services." Aligning with the trends of intelligent coal mine development and energy transition, the Company has seized the opportunity to build a center of origin for proprietary green and low-carbon technologies and to lead the modern industrial chain for high-end coal machinery. It has pursued key core technology breakthroughs in intelligent mining equipment, driven the commercialization of internationally leading technology outcomes, and actively cultivated new productive forces. Focusing on core capability development and breakthroughs in key areas, the Company has advanced international quality standard upgrades, established a quantitative benchmarking system, and strengthened the resilience and security of its industrial and supply chain, gradually building an independently controlled international marketing network. The Company has vigorously advanced the international expansion of its coal machinery equipment, intelligent technology products, international coal mine production and operations, and equipment operation and maintenance services. Its mid-to-high-end products have entered the markets of Russia, Kazakhstan, Bangladesh, Vietnam, and other countries, with coal machinery export values growing year on year, delivering China Coal solutions for global energy cooperation.

The Company coordinates across both domestic and international markets and resource pools, continuously strengthening its

Ensuring Energy Supply

The Company has steadfastly fulfilled its political responsibility to ensure energy supply, achieving an annual commercial coal production of 135.1 million tons, actively fulfills its obligations under medium and long-term coal supply contracts, and successfully completing the national commercial reserve task for chemical fertilizers with high quality. During key periods, including summer and winter peak demand seasons, the Company has effectively guaranteed the stable supply of electricity, livelihood coal, and fertilizers for spring planting.

Case

Shanghai Energy Company Builds a Multi-Pronged Winter Supply Defense Line

Through strengthened production monitoring, optimized continuous mining deployment, and deep extraction of system capacity potential, Shanghai Energy Company has achieved stable coal output and effectively guaranteed foundational energy supply. On residential heating assurance, the Company has maintained rigorous maintenance of heating unit equipment and pipe network inspection regimes, dynamically adjusting operating parameters to ensure safe and stable heat delivery to residents and businesses across its service areas, with no livelihood disruptions from heating interruptions recorded. The Company has also established a normalized information monitoring and public opinion response mechanism, collecting and analyzing policy developments, market intelligence, and safety risks in real time, and effectively maintaining social stability through proactive communications and rapid emergency response.

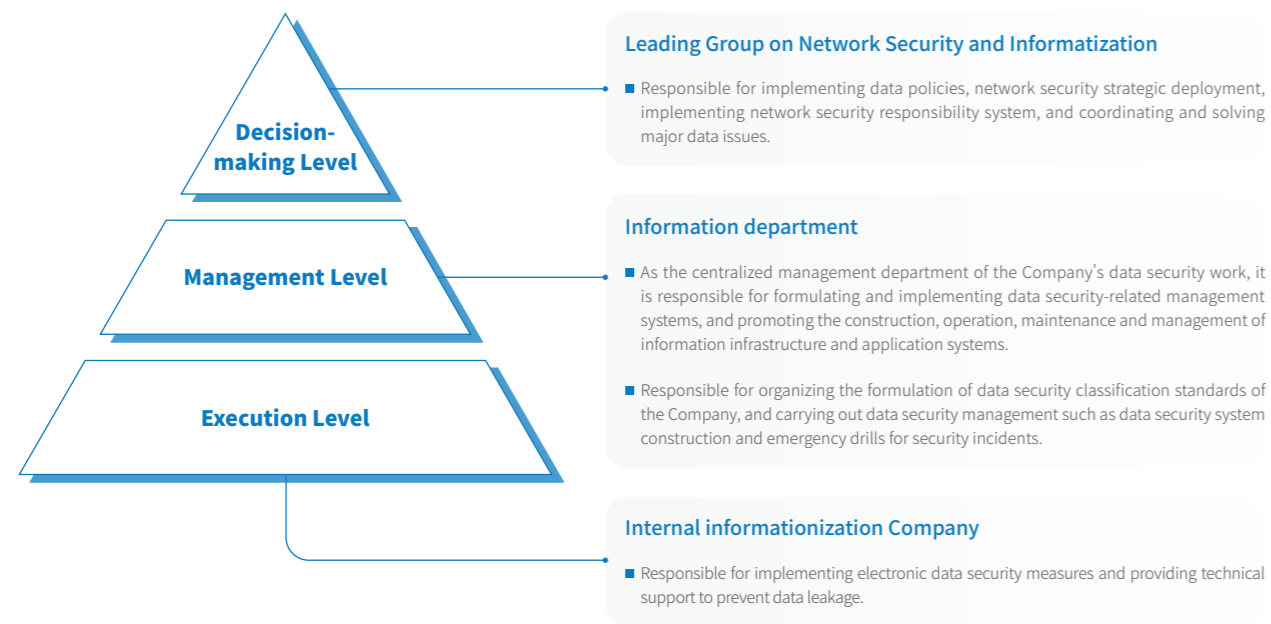
Data Security and Customer Privacy Protection

China Coal Energy has recognized that data security and customer privacy protection are foundational to stable enterprise development in the digital economy era. The Company regards data security as a core competitive asset and has committed to building a safe and reliable digital operating environment.

Data Security Management

In compliance with the *Cyber Security Law of the People's Republic of China*, the *Data Security Law of the People's Republic of China*, and other applicable laws and regulations, the Company has formulated internal management systems including the *Management Measures for Cyber Security*, the *Management Measures for Data*, the *Management Measures for Informatization*, the *Management Measures for Prevention of Electronic Data Leakage*, and the *Management Measures for Confidentiality of Computer Information Systems*. At the decision-making level, the Company has established a Leading Group for Cyber Security and Informatization to direct the work of its dedicated informatization management department, clarifying the information security governance framework and building a robust defense line for data and customer privacy protection.

Data Security Governance Framework



The Company has deeply embedded data security into its production management system and actively implements its "Three Standardizations, Two Enhancements" information technology strategy, centered on standardizing information, centralizing resources, and achieving enterprise-wide visibility to enhance management excellence and production efficiency. Guided by the working principle of "strengthen the foundation, safeguard the baseline, and empower the business," and adhering to "proactive defense and layered coordination," the Company has

taken intelligent control projects as its core vehicle to systematically advance data aggregation, governance, security, and operations. We have built a comprehensive full lifecycle data management system spanning collection, storage, computation, management, and utilization, achieving solid and measurable progress in strengthening digital infrastructure capabilities, constructing a systemic cybersecurity defense architecture, and delivering data governance and key project support.

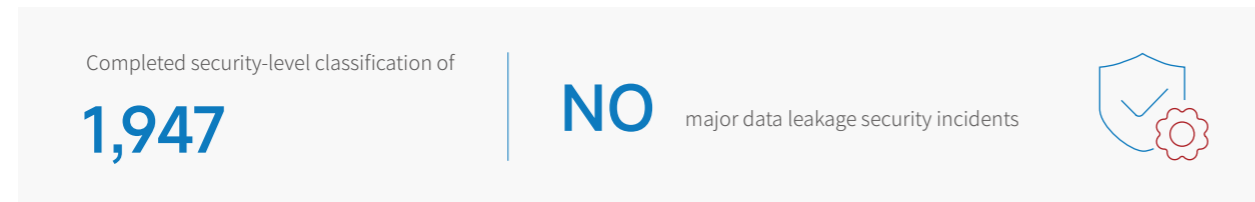
Data Security Guarantee Mechanism



The Company has actively pursued data security management system certification. As at the end of the reporting period, it has obtained DCMM²² Level 3 certification, with its data management capability reaching the "robust" level. The Company has simultaneously established data security classification standards and completed security-level classification of 1,947 business objects. During the reporting period, the Company recorded no major data leakage security incidents.

As of the end of the reporting period

During the reporting period



Data Security Audit

The Company has actively conducted internal data security audits, organizing on-site inspections at 9 units and comprehensive self-assessments across 119 units, focusing on addressing weaknesses in accountability implementation and data security, and driving closed-loop problem rectification. The Company has also completed data center classification assessments across 97 data centers, of which 20 achieved a two-star rating and 39 achieved a one-star rating, effectively advancing the standardized development and overall security capabilities of secondary enterprise data centers.



Through the audit process, the Company has systematically identified the following key risk types, providing a decision-making basis for building a precise prevention and control system and effectively capturing development opportunities.

Data security risk Inadequate data and information security protection mechanisms may expose core data, including mining technical parameters, customer information, and production data, to leakage, tampering, or malicious attack, damaging the Company's reputation and hindering business development.

Data Security Culture and Awareness

To support its digital transformation, the Company has committed to normalizing data security education, regularly holding an annual Cyber Security Awareness Week. Through a multi-channel approach spanning online and offline formats and combining traditional and new media, the Company delivers activities including the China Coal Cyber Security Mini-Classroom, anti-phishing drills, the Critical Infrastructure Lecture Hall, and Anti-Fraud Awareness Month, continuously strengthening Company-wide security awareness and comprehensively improving its data security risk prevention and emergency response capabilities.

²² The full name is Data management Capability Maturity Model, i.e. a Data management Capability Maturity evaluation Model.

Case

Building Security Foundations, Cyber Security Awareness Week Supports High-Quality Development

From September 15 to 21, 2025, the Company organized its Cyber Security Awareness Week under the theme "Cyber Security for the People, Cyber Security by the People, Protecting High-Quality Development with High-Level Security." Departments and subsidiaries responded swiftly, developing tailored implementation plans to ensure the campaign reached deep into day-to-day operations.

- Pingshuo Group extended its outreach by combining electronic screens at the plant site, underground bulletin boards, and pre-shift meetings to build a three-dimensional communication network covering both surface and underground operations, effectively bringing cyber security knowledge to the grassroots, team, and front-line levels.
- Shaanxi Company hosted the 2025 Cyber Security Lecture Hall using a combined on-site and live-streaming format, organizing more than 1,200 employees to participate simultaneously. The Company displayed publicity boards in prominent locations across the plant and conducted on-site presentations while distributing informational materials during peak traffic periods, effectively raising Company-wide cyber security awareness.



Shaanxi Company's Cyber Security Lecture Hall of Year 2025

- Shanghai Energy Company held a "Cyber Security Prize Quiz" activity, leveraging the broad reach of its trade union organization to mobilize employee participation. More than 4,300 valid response sheets were collected, achieving the intended effect of "learning through competition, preventing through learning."

Customer Privacy Protection

In 2025, the Company has continued to strengthen customer data security management, establishing and improving an information security protection system across the entire sales process. We apply tiered and classified controls over core customer information at every stage, including transaction negotiation, contract performance, and after-sales coordination. The Company has formulated the *Management Measures for Master Data* and other systems, establishing that any application or change to customer master data must follow a strict four-step process: user submission, pre-review by the subsidiaries, final review by the Company, and data inspection. No employee may access or tamper with customer

data without authorization. The Company has also established standards for the collection, archiving, updating, and retrieval of customer information, clarified management responsibilities and workflows, and assigned dedicated personnel to handle the daily maintenance and review of customer records, ensuring completeness, accuracy, and traceability. The Company regularly conducts privacy protection compliance training for sales staff, fully implementing confidentiality requirements and effectively protecting the security and privacy of customer information, further strengthening trust with customers. During the reporting period, the Company recorded no customer privacy leakage incidents.

03 Pursuing Stable Development

Focusing on the reform of its management and control system, China Coal Energy has continued to consolidate the foundation of its governance framework, strengthened the institutional checks and balances among decision-making, execution, and supervision, advanced the development of a scientific, rational, and efficient Board, and built a corporate governance system marked by strong overall standardization and continuously improving operational effectiveness. The Company has strictly and rigorously advanced compliance operations in accordance with laws and regulations, deeply integrating internal audit, comprehensive risk management, business conduct standards, and Party building requirements into every stage of production and operations, strengthening oversight across all processes and control of key links, and promoting the coordinated improvement of governance effectiveness and operational management.

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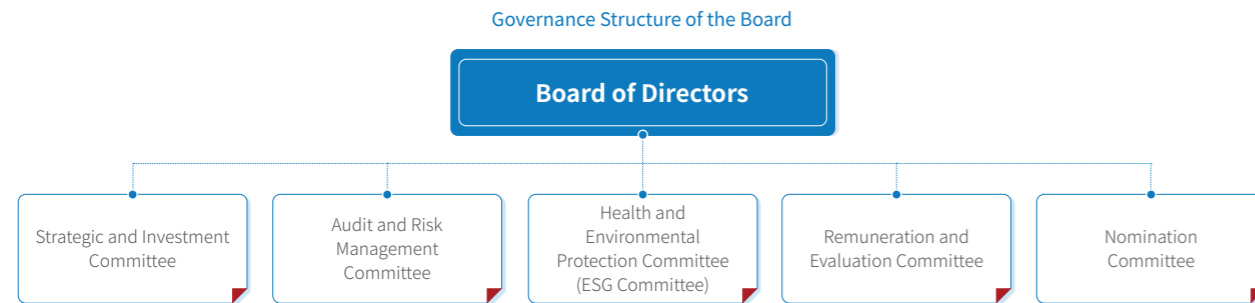


Governance Strategy and Organizational Structure

China Coal Energy focuses on the key links of decision-making, execution, and supervision, defines the responsibility boundaries of governance bodies by tier and category, and continuously improves the scientific and standardized level of corporate governance by strengthening institutional framework and optimizing mechanisms.

Governance Structure

In accordance with the *Company Law of the People's Republic of China* and the *Articles of Association*, the Company has established a governance structure comprising the coordinated operation of the Shareholders' Meeting, the Board of Directors, and Senior Management. As the Company's highest authority, the Shareholders' Meeting makes final decisions on major matters in accordance with the law. The Board of Directors serves as the core decision-making body, accountable to the Shareholders' Meeting, and is responsible for strategic planning, operational decision-making, compliance management, and the development of internal control and risk management systems. Under the Board, the Company has established specialized committees including the Strategic and Investment Committee, the Audit and Risk Management Committee, the Nomination Committee, the Remuneration and Evaluation Committee, and the Safety, Health and Environmental Protection Committee (ESG Committee), enhancing the professionalism and forward-looking quality of decision-making. On this basis, the Company has comprehensively established a governance mechanism under which the Audit and Risk Management Committee assumes the supervisory functions previously held by the Board of Supervisors, strengthening oversight effectiveness and risk prevention capabilities. Senior Management takes responsibility for strategy implementation and operational execution, establishing, improving, and promoting systems covering operational management, financial management, risk control, and compliance management to ensure stable and efficient Company operations.



The Company has established a standardized and transparent mechanism for Director appointment and replacement in accordance with the *Articles of Association*. Directors are elected by the Shareholders' Meeting or through employee democratic procedures for a three-year term and may be reappointed. The term of independent non-executive Directors is strictly governed in accordance with regulatory requirements. The Company conducts qualification reviews and information disclosure for all candidates to ensure that professional competence and independence meet the required standards. Directors may resign in accordance with established procedures and may be removed at the Shareholders' Meeting in accordance with the law.

Board Meetings



In advancing the construction and management of the Board, the Company focuses on optimizing Board composition to reflect meaningful diversity. It has formulated a systematic Board diversity policy, building a Board structure with diverse backgrounds and complementary expertise to strengthen the scientific and forward-looking quality of decision-making. The Nomination Committee dynamically defines the specific scope of diversity considerations in accordance with the Company's strategic development direction and governance needs at each stage, covering dimensions including gender, age, cultural and educational background, professional experience and skills, industry experience, and length of service. The Company has established clear, quantifiable, and actionable diversity objectives to achieve an optimal talent selection mix. In line with the core capability requirements of the Board under its development strategy, the Company designs tailored training programs for Directors and senior management, systematically developing members' capabilities in cross-cultural communication, inclusive leadership, and diverse team building, ensuring that the decision-making level can fully understand and respond to the interests of stakeholders from different backgrounds.

Composition of the Board

In 2025

Number of female directors

1



Number of male directors

6



🔄 Governance Strategy

The Company complies with the *Company Law of the People's Republic of China*, the *Law of the People's Republic of China on State-Owned Assets of Enterprises*, and other applicable laws and regulations. It has formulated the *Articles of Association*, the *Rules of Procedure for the Board of Directors*, the *Rules of Procedure for Executive Management*, and other institutional documents, systematically standardizing the formulation, supervision, and approval of governance strategies. The Company convenes Shareholders' Meetings in strict accordance with the *Articles of Association*, conducting notice, deliberation, voting, and information disclosure in accordance with its rules of procedure, ensuring that all shareholders enjoy fair rights and can effectively exercise their rights of information, participation, inquiry, and voting.

The Company has established a well-functioning system for formulating governance strategies and overseeing their implementation. The process of formulating and approving governance strategies involves the joint participation of the Shareholders' Meeting, the Board, the Party Committee, and Senior Management. As the highest decision-making body, the Shareholders' Meeting reviews major governance strategy matters. The Board leads the formulation and implementation of governance strategies, conducts regular assessments to ensure alignment with Company objectives and applicable laws, and has established a scientific, rational, and efficient decision-making mechanism to promote effective strategy execution. The Board has also established a communication mechanism between the Chairman and the convener of external directors, further promoting transparency and coordination in decision-making. Party Committees provide political guidance in the decision-making process, ensuring governance strategies align with national policies and Company culture. Senior management implements specific execution requirements in accordance with Board decisions.

The Company oversees the implementation of governance strategies through the Board and its specialized committees, with the Audit and Risk Management Committee exercising the supervisory powers previously held by the Board of Supervisors. The Board regularly evaluates the implementation effectiveness of governance strategies to ensure compliance with Company objectives and legal requirements. The special committees focus on risk management, internal control, and compliance assessments, and put forward improvement recommendations. The approval and review of governance strategies strictly follows the decision-making framework for "decisions on major events, appointments and removal of important officials, important project arrangements, and use of large amounts of funds," ensuring that decisions on major matters, major personnel appointments and removals, and major project investments receive thorough discussion and rigorous review. The Board proposes governance strategies in accordance with the Articles of Association and relevant regulations, and submits approved strategies involving major changes to the Shareholders' Meeting or relevant regulatory authorities for review and approval, ensuring all decisions are lawful, compliant, and consistent with the Company's development plans.

🔄 Board Independence

The Company has made institutional development the cornerstone of Board independence. Through robust institutional arrangements, clear definition of rights and responsibilities, and a refined recusal mechanism, the Company continuously strengthens the independence and compliance of its Board, ensuring objective, fair, and independent decision-making. In its governance practice, the Company gives full respect to Directors' views, establishing a list-based management system for Directors' opinions that tracks, implements, and provides feedback on each suggestion item by item, ensuring Directors' substantive participation in decision-making. Through improved decision-making support mechanisms and early-involvement processes, the Company fully solicits the views of Directors, and particularly independent non-executive Directors, during the preparation and deliberation of major matters. The Company has also organized dedicated Director communications and special seminars on major strategic matters such as the 15th Five-Year Plan, enhancing the forward-looking quality and scientific rigor of strategic decisions.

The Board consists of executive directors, non-executive directors, and independent non-executive directors, with independent non-executive directors accounting for no less than one-third of the total. The selection, performance, and evaluation of independent non-executive directors follow strict independence standards. Their terms do not exceed six years, they hold no other positions within the Company during their term, and they have no material interests with major shareholders that could affect their independent and objective judgment, safeguarding the independence of supervision and decision-making at the organizational level.

Board Independence



In making decisions on major matters such as related party transactions, the Company strictly implements its conflict of interest recusal mechanism. The Company has formulated the *Management Measures for Related Party Transactions* and the *Detailed Rules for the Management of Related Party Transactions*, ensuring that the identification, review, and disclosure of related party transactions are standardized and transparent through institutionalized processes. The Company holds regular monthly compliance meetings as a normalized mechanism to review related party transactions and other important matters, ensuring that all related party transactions comply with corporate governance requirements. A Related Party Transaction Management Working Group, led by the Board Secretary, takes unified responsibility for managing related party transactions across the Company and its affiliates, adhering to the working mechanism of "budget management, monthly monitoring, ceiling alerts, and regular consultation," strengthening dynamic tracking and precise early warning, and achieving full-process management of related party transactions. The Company strictly prohibits controlling shareholders and other related parties from transferring benefits to or occupying the resources of the Company, and through institutional enforcement, information disclosure, and audit supervision, ensures that all transactions are conducted openly and in compliance, effectively safeguarding the Company's independence and protecting the legitimate rights and interests of investors and stakeholders.



Compliance and Risk Management

China Coal Energy has advanced reform and development on the foundation of the rule of law, coordinating compliance management, internal audit, and risk prevention and control work in accordance with the requirements of comprehensive rule-based enterprise governance. The Company has continuously improved its compliance and risk management system across all stages of decision-making, execution, and supervision. It has integrated compliance requirements into the full process of operational management, strengthened the systematic and coordinated nature of risk prevention and control, and pushed risk prevention and control measures to the front line, providing a strong foundation for stable operations and high-quality development.

Compliant Operations

The Company has consistently upheld compliance as one of its core governance principles, integrating rule-of-law practices into every aspect of operational management. It strictly abides by the *Company Law of the People's Republic of China*, the *Governance Code for Listed Companies*, and other applicable laws, establishing a corporate governance system centered on its Articles of Association, improving its decision-making mechanism, standardizing authority delegation, refining the decision-making matters and authority of the Shareholders' Meeting, Party Committee, Board, and President's Office Meeting, and strengthening compliance review and scrutiny of decision-making matters. The Company has continued to improve its compliance management system, formulating and implementing the Compliance Management Measures and embedding compliance requirements into systems and processes to ensure effective implementation.

The Company has continued to strengthen its compliance governance structure, integrating compliance requirements into the full process of corporate governance and operations. The Board takes responsibility for determining the Company's compliance management system and monitoring its real-time operation to ensure alignment with Company strategy. Senior Management coordinates compliance system development, organizes responses to major compliance risk events, and drives the implementation of key tasks to strengthen governance execution. The Legal and Compliance Department leads daily compliance management, taking responsibility for drafting and revising systems, conducting compliance reviews, issuing risk alerts, and promoting compliance culture. Each business department assumes primary compliance responsibility within its own domain, deploying compliance management functions to conduct risk investigations, maintain compliance registers, and implement rectification, ensuring closed-loop compliance management.

Compliance Governance Level



The Company has strengthened legal compliance review and risk assessment for major investment projects, exploring the development of a quantifiable and evaluable compliance review model for major investments. Before any major investment project is submitted to a decision-making meeting for consideration, the relevant departments must complete compliance review and risk assessment report review in accordance with applicable laws, conducting comprehensive assessments and forming clear opinions, ensuring that all Company decisions rest on adequate compliance foundations and institutional safeguards.

In accordance with the *Management Measures for Due Diligence of Investment Projects*, the Company has established a standardized sustainable development due diligence mechanism. The sponsoring department of each investment project leads the due diligence process, working jointly with functional departments covering legal compliance, finance, technology, and safety and environmental protection, to systematically assess ESG-related

risks. Following the principle of "prevention before the event, control during the event, and supervision after the event," the Company has embedded due diligence into the full process of investment decision-making and project management, forming a complete management chain covering risk identification, assessment, control, and monitoring, providing institutional support for the comprehensive implementation of its sustainable development strategy. During the due diligence process, the Company focuses on potential negative sustainable development impacts or risks arising from investment projects, covering key areas including environmental compliance, ecological protection requirements, community impact, labor rights, and compliance with applicable regulations. Through cross-departmental collaboration, the Company ensures that projects comply with national laws, regulations, and industry policies from the outset, identifies and mitigates potential sustainable development risks, and safeguards the long-term sustainability of each project.

Strengthening Internal Audit

Guided by the overall requirements of "centralization and unification, comprehensive coverage, and authoritative efficiency," the Company has continued to advance its internal audit vertical management reform. It focuses its audit work on economic responsibility, financial revenue and expenditure, major projects, internal control, and risk management, continuously enhancing the independence and authority of internal audit. The Company strictly complies with the *Audit Law of the People's Republic of China*, the *Provisions of the National Audit Office on Internal Audit Work*, and other applicable laws, continually deepening and refining audit system development, addressing gaps, standardizing internal audit institution setup, personnel management, audit procedures, and quality control, and forming an integrated internal audit management model of "audit supervision, rectification and improvement, and accountability and effectiveness."

The Company has continued to improve its internal audit management system, integrating audit into the broader context of corporate strategic transformation and reform. The Board reviews the audit system and annual audit plan, while the Audit and Risk Committee guides and supervises the implementation of the internal audit system and the delivery of key tasks, ensuring audit work aligns with the Company's strategy and risk management objectives. The Company's the Audit and Risk Management Committee, comprising the Audit Department, Regional Audit Centers, and the audit institutions of each affiliated Company, implement audit supervision functions at each level, advancing problem identification, management standardization, and reform promotion in an integrated manner to form a closed-loop management system.

Comprehensive Risk Management

The Company has made comprehensive risk management a key strategic pillar supporting its corporate governance system. Guided by the management objectives of "strengthening internal control, preventing risks, and promoting compliance," it has pursued the integrated development of law, compliance, risk, and internal control, embedding risk management into the full process of corporate strategy formulation, major decision-making, operational management, and supervision and accountability. This continuously raises the Company's stable operations capability and governance modernization level. The Company strictly complies with the *Company Law of the People's Republic*

of China, the *Guidelines for Comprehensive Risk Management of Central Enterprises*, the *Basic Standards for Enterprise Internal Control*, and other applicable laws and regulatory requirements. It has formulated and implemented the *Management Measures for Comprehensive Risk Management and Internal Control*, the *Detailed Rules for Reporting Major Operational Risk Events*, and other institutional documents, ensuring that risk management operates in an institutionalized, process-oriented, and systematic manner.

The Company has continued to improve its enterprise-wide risk management system, integrating risk prevention and control requirements into corporate governance and the entire production and operational process to form a layered and coordinated risk governance structure. The Board of Directors, as the highest decision-making and supervisory body, is responsible for determining the direction of enterprise-wide risk management system development, approving related policies and risk reports, and reviewing major risk matters. The Audit and Risk Management Committee oversees the development and implementation of the risk management system, reviews risk monitoring results, and provides recommendations to the Board. The Risk and Internal Control Leadership Group, led by the principal responsible person, coordinates risk management efforts, reviews major operational risk reports and annual work plans, and promotes the implementation of risk control requirements. The management team is responsible for establishing, improving, and effectively implementing the enterprise-wide risk management system. The risk control function is responsible for building and implementing the risk management framework and promoting the fulfillment of risk management responsibilities across departments. Each responsible department assumes primary responsibility for risk management within its respective area, conducting risk identification and formulating preventive and control measures.

The Company has established procedures for identifying, assessing, and managing significant risks. Each year, the Company and its subsidiaries identify and assess annual risk events, and review and analyze risks identified in the prior year to ensure the dynamic effectiveness of risk identification. Through annual risk questionnaires and management interviews, the Company assesses risks according to established standards across two dimensions, namely probability of occurrence and degree of

impact, determines the year's major risks, and continuously tracks and monitors major risk management and control to support strategy implementation and major decisions.

The Company has established a three lines of defense framework based on business departments, with risk prevention and control embedded throughout the entire process and independent, effective supervision. Core requirements such as risk identification, risk assessment, risk monitoring, and risk control are integrated into the governance structure and business operations. First line of defense: Business departments at the Company as the primary risk management entities and the direct owners of specific risks, responsible for risk management within their respective business areas. They strictly implement the Company's policies and regulations, regularly conduct risk assessments to identify risk conditions, and formulate risk mitigation measures when necessary. Second line of defense: The Legal and Compliance Department functions as the risk management authority and assumes core responsibilities for the management and organization of major risks. It coordinates, organizes, and plans the Company's risk management work, formulates risk management systems and procedures, and supervises their implementation. It also guides and coordinates the risk management activities of the first line of defense and evaluates the effectiveness of the internal control system. Third line of defense: The Audit Department serves as the supervisory and evaluation body for risk management. Through independent audits and special supervision, it identifies and exposes potential risks and institutional deficiencies, and oversees the implementation of corrective actions. It also holds accountable, in accordance with regulations, the units and individuals responsible for adverse consequences caused by inadequate risk management, thereby promoting continuous improvement through oversight.

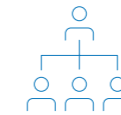


Risk Management Level

Decision-making level

Board of Directors

Responsible for making decisions on the construction direction of the comprehensive risk management system, examination and approval system and risk report, and studying major risk matters.



Audit and Risk Management Committee

Responsible for supervising the construction and implementation of the comprehensive risk management system, listening to the risk monitoring and making recommendations to the Board of Directors.



Management level

Risk Internal Control Leading Group

Responsible for coordinating and studying major operational risk reports and annual work arrangements, and promoting the implementation of risk management and control requirements.



Operation level

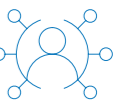
Responsible for organizing the establishment of comprehensive risk management system and effective implementation.



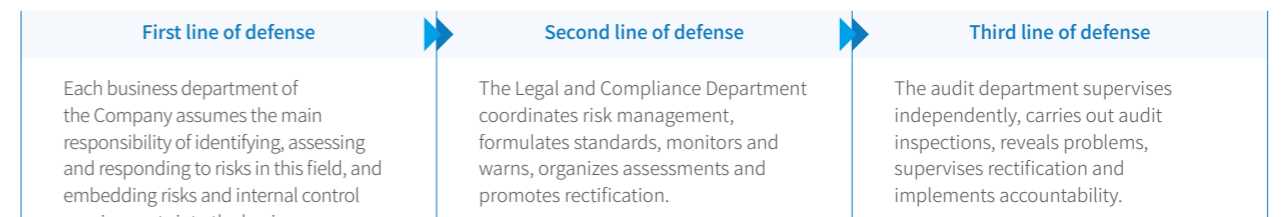
Execution level

Risk control function departments and responsible departments

The risk control functional department is responsible for the construction and implementation of the risk management system, and promotes the implementation of risk management responsibilities by each department. Each responsible department undertakes the main responsibility for risk control in its field, carries out risk investigation and formulates prevention and control measures.



Three Lines of Defense for Risk Management



Through the coordinated operation of the three lines of defense, the Company has built a full-process risk management system covering risk identification, assessment, monitoring, control, and supervision. The Company conducts regular annual risk investigations, organizes forecasting and assessment around major operational risks, formulates risk prevention and control work plans, refines and assigns prevention and control threshold, consolidates prevention and control responsibilities, and promotes the early-stage positioning of risk prevention measures, achieving early identification, early warning, and early resolution of major operational risks.

In 2025, the Company established 23 qualitative and quantitative risk monitoring indicators and formulated four specialized risk assessment guidelines covering investment, construction projects, labor and employment, and social stability. No major regulatory penalties or serious violations of laws and dishonesty by legal representatives occurred during the year.

Risk Management Target

Topic	Indicator	Target	Progress During Reporting Period	Target Achievement
Risk Management	Annual prevention and control of major operational risks	Ensure that major operational risks remain controllable and effectively managed	All major operational risks identified in the annual assessment have been effectively controlled	Target achieved
	Risks involved in major litigation and arbitration	No major litigation or arbitration	0	Target achieved
	Number of penalties for material violations involved and total amount of fines paid	No penalties for major violations	0	Target achieved
	Serious illegal and dishonest behavior of the corresponding level and legal representative	No serious violations of laws or breaches of integrity occurred.	0	Target achieved

Risk Events and Penalties for Non-compliance

Number of major litigation, arbitration and other risk events involved	0	Number of penalties for material violations involved and total amount of fines paid	0
Serious illegal and dishonest behavior of the corresponding level and legal representative	0	Number of operational or business risk warning indicators	23

Anti-Commercial Bribery and Anti-Corruption

China Coal Energy adheres to the principle of integrity and compliance, building a business conduct management system that covers governance structure, behavioral standards, risk prevention and control, and supervision and accountability. The Company integrates integrity requirements, compliance standards, and risk management controls into the full process of operational management. Through strengthening its organizational structure, improving its institutional framework, and advancing coordinated governance across its three lines of defense, the Company continuously enhances the openness and transparency of business conduct, raising the standardization, stability, and credibility of its governance and business ecosystem.

Anti-Bribery and Anti-Corruption System

The Company strictly complies with relevant laws and regulations, including the *Criminal Law of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, the *Company Law of the People's Republic of China*, and the *Anti-Monopoly Law of the People's Republic of China*. It continuously strengthens its anti-bribery and anti-corruption management to ensure that all business and operational activities are conducted in a lawful and compliant manner. The Company has established and continuously improved its institutional management system, formulating internal policies such as the *Compliance Management Measures*, to prevent integrity risks at the source and ensure compliant and transparent governance across all levels of the organization.

The Company has established a robust business conduct governance framework, ensuring the compliance, integrity, and fair competition of business conduct by coordinating the roles of the Party Committee, the Discipline Inspection Commission, and various functional departments, and promoting comprehensive and strict Party governance and anti-corruption work. The Company has established dedicated audit institutions and discipline inspection departments to supervise and review the compliance of business activities. It has also established a cross-departmental collaboration mechanism to ensure information sharing and joint work among relevant departments, promoting the early identification and rectification of corruption issues.

Anti-Bribery and Anti-Corruption Prevention and Control

The Company has established a commercial bribery and corruption risk assessment framework centered on the three lines of defense, systematically identifying and preventing risks related to commercial bribery, corruption, and compliance, and comprehensively enhancing the effectiveness of risk management. First line of defense: Focuses on source control. In accordance with the *Supplier Cooperation Management Measures*, the Company strictly reviews the qualifications and registration information of partners. Supported by the *Supplier Creditworthiness Management Rules*, entities with records of dishonesty are subject to unified management, thereby reducing integrity risks at the business access stage. Second line of defense: Emphasizes dynamic risk identification. The Company conducts research on emerging and hidden forms of corruption, analyzes issues revealed through typical cases, and reviews risk chains and enforcement challenges. Based on these insights,

targeted governance strategies are formulated to support risk early warning and proactive intervention. Third line of defense: Centers on supervision and restraint. In accordance with the *Measures for the Prevention and Control of Integrity Risks* and the *Rules for Handling Complaints and Reports by Discipline Inspection and Supervision Bodies*, the Company clarifies responsibilities and authorities for key positions and business functions. A risk assessment mechanism for key positions has been established, implementing classified and tiered management with differentiated control measures, thereby strengthening source-level governance through institutional and procedural safeguards. Through the coordinated operation of the three lines of defense, the Company has formed a closed-loop management system of "prevention at the source – identification during the process – supervision at the final stage," significantly enhancing integrity governance and risk control capabilities.

Three Lines of Defense for Business Behavior Risk Management



Anti-Unfair Competition

China Coal Energy conducts its business activities in accordance with the principles of fairness, impartiality, integrity, legality, and compliance. The Company strictly complies with the *Anti-Monopoly Law of the People's Republic of China*, the *Anti-Unfair Competition Law of the People's Republic of China*, and other applicable laws and regulations, actively upholds a fair and orderly commercial competition environment, and resolutely opposes any market conduct that violates business ethics.

The Company has continued to maintain open reporting channels, accepting reports primarily through written correspondence, in-person visits, and telephone calls. It has strengthened education and training on confidentiality discipline and reporting procedures for relevant personnel, and clarified accountability mechanisms for violations involving leaks. The Company strictly implements whistleblower protection requirements, maintaining strict confidentiality of whistleblower identities and reported matters throughout the full process of receiving, verifying, processing, and providing feedback on reports. It strictly prohibits any unit or individual from leaking reported information or retaliating against whistleblowers in any form. Where deliberate fabrication of facts or false accusations are substantiated, the Company holds the responsible parties accountable in accordance with laws and regulations to maintain the normal order of supervision.

The Company continues to deepen the development of its discipline inspection and integrity culture, intensifying efforts to investigate and address cases involving the abuse of corporate resources for personal gain. It has comprehensively advanced the coordinated implementation of warning education, institutional constraints, and supervisory inspections, further strengthening the framework of "not daring to be corrupt, not able to be corrupt, and not wanting to be corrupt." Focusing on issues in key sectors, the Company has organized targeted supervision initiatives covering areas such as ecological and environmental protection, tendering and bidding processes, and power projects, while also carrying out special rectification campaigns against improper practices, including violations related to banquets and hospitality. These efforts have delivered tangible results. The

Company regards work style improvement as an important lever for enhancing corporate governance and preventing operational risks. It has carried out in-depth learning and education on the implementation of the Eight-point Decision of the Central Committee on Improving Party and Government Conduct, adhering to a problem-oriented and systematic governance approach, strengthening accountability, improving long-term mechanisms, and continuously fostering a clean political ecosystem and business environment. By using real cases to educate and warn employees, the Company has produced warning and education videos, organized integrity-themed micro-video competitions, and publicized typical disciplinary violation cases to promote a culture of integrity. Throughout the year, it conducted multi-level and comprehensive anti-corruption education and supervision activities, effectively enhancing employees' discipline awareness and their ability to prevent integrity-related risks.

In 2025, the Company held 218 warning education conferences, organized 376 special report meetings on anti-corruption and clean governance, and delivered education and training on Party conduct and honest government with a total of 35,226 participants and 2,602 hours of instruction. All-categories anti-corruption education activities attracted a total of 18,553 participants, driving integrity culture deep into employees' awareness and conduct. On the supervisory side, the Company carried out 1,341 discipline inspection visits throughout the year, achieving full coverage of supervision across key areas, key positions, and important links, providing a strong guarantee for clean and compliant enterprise operations.

The Company has continuously strengthened its anti-unfair competition governance framework. The Board's Audit and Risk Management Committee oversee implementation, ensuring strict adherence to market economy order and rigorous compliance with state-owned assets supervision, price regulation, and other applicable requirements. Drawing on relevant laws and regulations and the supervisory requirements of the State-owned Assets Supervision and Administration Commission (SASAC), the Company has formulated policies including the *Compliance Management Measures* and the *Integrity and Compliance Handbook*, clearly defining compliance priorities and requirements for market transactions. The Company rigorously follows decision-making procedures, has built a robust self-discipline and integrity system, and prohibits commercial bribery, monopolistic behavior, and unfair competition. It standardizes goods trading and asset transaction conduct, and strictly prohibits financing-linked trade, fictitious "round-tripping," and pass-through transactions.

In 2025, the Company has conducted routine legal and compliance reviews of investment projects, advancing more

granular segmentation research, more thorough due diligence, and more comprehensive risk assessments to reinforce the compliance defense line. The Company has refined its coal and coal chemical product marketing management systems and standardized marketing workflows. It has tightened customer access controls and worked to build fair, mutually respectful, and trust-based trading partnerships that maximize value for all parties. A targeted audit on "quality improvement, efficiency enhancement, and trade compliance" has been conducted across the sales group, using audit oversight to strengthen internal controls, close risk gaps, and improve the quality and performance of trading operations. Multi-level and multi-channel compliance training has been delivered, and compliance commitment letters have been signed across the organization. The Company has strengthened accountability for violations, with routine supervision inspections and targeted oversight exercises focused on identifying non-compliant business conduct, and strict accountability measures applied to all identified violations.

In 2025, the Company had no major litigation cases or significant administrative penalties arising from unfair competition.

Anti-commercial Bribery and Anti-corruption

Number of meetings on special anti-corruption reports

376

Number of participants in anti-corruption warning education activities

18,553

Total number of management receiving anti-corruption training

2,353

Percentage of management receiving anti-corruption training

98.45%

Total number of participants in anti-corruption training

35,226

Total duration of anti-corruption training

2,602 Hour(s)

Total number of general employees receiving anti-corruption training

20,304

Percentage of general employees receiving anti-corruption training

59.35%

Total number of directors receiving anti-corruption training

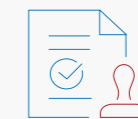
190

Percentage of directors receiving anti-corruption training

91.79%

Number of corruption litigation cases

0



Stakeholder Communication

China Coal Energy has established a regularized stakeholder communication mechanism and developed a stakeholder list. The Company's ESG Management Measures clearly define the departments responsible for day-to-day stakeholder engagement and the corresponding communication approaches. Through a closed-loop management process of "collecting – analyzing – responding – improving," the Company effectively transforms widely gathered stakeholder feedback and suggestions into practical actions for governance optimization, promoting coordinated progress between corporate development and stakeholder expectations.

Communication with Stakeholders

Stakeholders	Communication Method	Communication Effectiveness
 Employee	Hotline, email, internal website, symposium, trade union meeting, psychological care platform, collection of rationalization suggestions, staff cultural and sports activities, staff training	<ul style="list-style-type: none"> Established a multi-channel employee communication and feedback mechanism; Conducted regular training sessions, discussion forums, and cultural and recreational activities; Developed and executed the annual education and training plan, building a tiered, role-based employee training system; Leveraged internal and external resources to deliver flagship training programs, including the "Voyage Plan," "Cornerstone Project," "Qingma Project," and "Cadre Comprehensive Competency Enhancement Plan," with a combined 92,000 participants during the reporting period.
 Customer	Hotline, email, customer visit, customer demand interview, job exchange meeting, customer satisfaction survey	<ul style="list-style-type: none"> Maintained ongoing customer feedback collection through site visits, demand interviews, and hotline services; in 2025, handled 173,515 hotline contacts and 2,055 emails, conducted 748 customer visits and 4,319 demand interviews, and organized 286 exchange meetings reaching 532 customers and 2,545 participants; Conducted regular customer satisfaction surveys, collecting 381 valid responses in 2025; Continuously enhanced product and service quality based on customer feedback and insights.
 Securities regulatory authorities	Hotline, email, business visits, regulatory training, periodic reports and ad hoc announcements	<ul style="list-style-type: none"> Prepared and disclosed 4 domestic and overseas periodic reports (13 copies); Published four visual periodic reports, more than 60 ad hoc announcements, and over 230 disclosure documents; Achieved a 100% information disclosure compliance rate with zero regulatory inquiries received; Participated in regulatory training and maintained ongoing, regular communication with regulators.
 Investors and shareholders	Investment strategy meetings, performance briefings, roadshows, conference calls, SSE e-interaction, IRD email, investor research	<ul style="list-style-type: none"> Conducted 107 investor engagement activities reaching nearly 300,000 participants; Held four quarterly performance briefings and 12 monthly production and operations briefings; Organized 72 investor surveys and conference calls; Participated in 15 investment strategy conferences; hosted reverse roadshows and collective performance briefings.
 Suppliers	Hotline, email, business visits, technical seminar, supply chain management system, supplier conference, questionnaire	<ul style="list-style-type: none"> Issued 2,233 complaint notices via the supplier management system; Managed customer service operations handling 84,603 inbound calls and 7,973 outbound calls, totaling 4,522 service hours; Hosted a supplier conference with 180 suppliers in attendance; Collected 405 supplier satisfaction questionnaires.
 Government departments	Exchanges of official documents, business visits, work meetings, docking of special affairs	<ul style="list-style-type: none"> Maintained regular working contact with relevant ministries and commissions; Held more than 10 working meetings with provincial governments (including autonomous regions and municipalities directly under the central government); Conducted more than 40 working meetings and special coordination sessions with key cities.
 Local communities	Hotline, email, community bulletin board, online platform, community activities, stationed assistance cadres, consumption assistance activities	<ul style="list-style-type: none"> Deployed 17 officials on temporary assistance assignments; Completed 184 field research visits to assisted regions conducted by subsidiaries.
 News outlets	Information disclosure on official website, official micro and other self-owned platforms, cooperation with external media, and exclusive interview with the person in charge	<ul style="list-style-type: none"> Generated 175,926 news articles across indexed internet channels and 105,724 reports on new media platforms; Published 9,649 articles in national and regional mainstream media outlets; The Company's principal leader gave three exclusive interviews to major mainstream media outlets.

Party Building Guarantee

In 2025, China Coal Energy upheld the guidance of Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, thoroughly studied and implemented the spirit of the 20th CPC National Congress and subsequent plenary sessions of the 20th CPC Central Committee, and conscientiously followed the important instructions of General Secretary Xi Jinping. Focusing on core tasks, the Company emphasized strengthening theoretical learning and execution, optimizing mechanisms to promote integration, and fostering a sound work culture to build synergy. It continuously improved the system for full and rigorous Party self-governance, further strengthened Party leadership and Party building, and provided strong support for achieving annual targets and successfully concluding the 14th Five-Year Plan.

Strengthening the CPC Party leadership. The Company strictly complied with the *Constitution of the Communist Party of China*, the *Company Law of the Republic of China*, the *Opinions on Improving the Modern Enterprise System with Chinese Characteristics*, and the *Opinions on Strengthening Party Leadership in Improving Corporate Governance of Central SOEs*. It continuously refined decision-making mechanisms for major matters by revising the *Rules of Procedure for the Board of Directors*, the *Authorization Management Measures of the Board of Directors*, and the *Rules of Procedure for the Management*. The authority allocation manual was regularly updated, and the "four lists" mechanism, covering matters for Party committee deliberation and decision, pre-review of major operational and management issues, Board decisions, and management-level decisions, was dynamically optimized. This ensured the statutory position of the Party committee in corporate governance, clarified responsibilities among governance bodies, and standardized operations. The Party committee further strengthened its substantive gatekeeping role. In 2025, it convened 10 meetings and conducted pre-review discussions on 25 major operational and management matters. In accordance with regulations, it participated in decision-making on major corporate strategies, reforms, and investments. It promoted coordinated development across coal, coal power, and new energy, advancing an integrated "coal–power–chemical–new energy" industrial system. It also coordinated responses to market fluctuations and low-carbon transition risks, continuously enhancing energy security and sustainable development capacity.

Enhancing the quality and effectiveness of CPC Party building. During the regional and specialized reforms of subsidiaries, Party organizations were established or adjusted in parallel, ensuring full coverage and timely renewal ("establish where required" and "renew where due"), and achieving the "four synchronizations" and "four alignments." The Company advanced the development of model (branded) Party branches and provided classified guidance to improve standardization across Party organizations at all levels. It organized training programs for grassroots Party secretaries and Party affairs personnel, launched online training for Party members, and initiated mechanisms for foundational training at the grassroots level, continuously improving political literacy and development-serving capabilities. Grassroots Party organizations were encouraged to develop distinctive brands, with Party members taking the lead in key areas such as safety production, cost reduction and efficiency improvement, advancement of "two integrations+" projects, and technological innovation. These efforts fully leveraged the political and organizational functions of grassroots Party organizations. The Company also strengthened the identification and development of outstanding young cadres through comprehensive capability enhancement

programs, including initiatives such as the "Voyage Plan," "Young Marxists Project," and "Cornerstone Program," alongside various professional training sessions. The talent-strengthening strategy was further implemented, achieving a "zero breakthrough" in the recruitment of high-level overseas talent, while actively attracting professionals in power, new energy, and coal chemical sectors. The "SHINE" management trainee program was also launched for the first time.

Strengthening communication, ideology, and brand building. The Company launched a dedicated column titled "Five Years of High-Quality Development," showcasing vivid practices in energy supply security, new quality productive forces, reform and innovation, and green development. Articles on the Party committee's implementation of innovative Party theories were published in outlets such as *Learning Times* and *State-owned Assets Report*. Over 1,500 reports were published by major media including CCTV, *People's Daily*, and Xinhua News Agency, with more than 10,000 pieces released by provincial-level and above media. These efforts effectively communicated the Company's story and amplified its voice. The Company continued to advance the "SHINE" brand strategy, establishing and improving brand management systems and organizing a series of themed activities. It hosted the 6th "State-owned Enterprise Open Day" and participated in major events such as China Brand Day and the China International Import Expo. Its brand development ranked first in the "Top 10 Central SOEs for Brand Benchmarking Growth in 2024."

Strengthening mass organizations. The Company convened a conference on employee technological innovation, organized skills competitions, team-building training, and cultural activities such as basketball tournaments and calligraphy and painting contests, fostering cohesion for development. It further advanced the "Six Youth Initiatives," introduced guidelines for youth task forces and management measures for the Young Marxists Project, and held the 5th "Youth Innovation and Entrepreneurship Showcase," inspiring young employees to contribute to high-quality development.



Appendix

Future Outlook



2026 marks the first year of the 15th Five-Year Plan. China Coal Energy will adhere to the general principle of seeking progress while maintaining stability, uphold the development philosophy of "improving the efficiency of existing operations and enabling the transformation of new ones," and focus on the objectives of the 15th Five-Year Plan. The Company will strengthen operational management, continuously deepen reform, advance science technological breakthroughs, accelerate green and low-carbon transformation, better coordinate development with security, support national energy security, and drive sustainable development.

Fulfilling Ecological and Environmental Responsibilities, Enhancing Climate Resilience

The Company will resolutely implement the decisions and deployments of the CPC Central Committee on ecological civilization development, consolidate environmental protection responsibilities at every level, strictly fulfill our political responsibility for rectification under the Central Ecological and Environmental Protection Inspection, uphold the unified application of goal-oriented, problem-oriented, and results-oriented approaches, rigorously and thoroughly address identified issues, continuously consolidate rectification outcomes, and build a solid ecological barrier for the Company's green development. Focusing on key environmental priorities including hazardous waste management, energy consumption, and water conservation, the Company will deploy its intelligent control system, ESG management platform, on-site research visits, and supervisory inspections to monitor the performance of key indicators and drive continuous improvement in environmental governance. The Company will advance its climate workstream, conduct climate-related financial assessments with a focus on measuring the financial impact of key climate risks, and provide effective support for strengthening risk management and building climate resilience. We will pursue Scope 3 emission accounting in an orderly manner, mapping

the emission baseline of each business segment, clarifying priority accounting categories, and progressively improving carbon management effectiveness.

Focusing on Core Business, Fortifying the Energy Security Frontline

The Company will remain closely focused on two major tasks, ensuring energy security and advancing green and low-carbon transformation. We will deepen its "Dual Integration+" development model, striving to build a tightly integrated "coal-power-chemical-new energy" industrial chain, and will continuously strengthen its sustainable development resilience through the "Dual Counterbalancing" mechanism. The Company will resolutely fulfill its supply assurance responsibilities for coal, power, fertilizer, and other essential energy products and materials, and will continuously consolidate its role as the "ballast stone" and "backbone" of the national energy system. The Company remains committed to technological innovation as the key engine driving its green and low-carbon transition, advancing systematic capacity-building to achieve self-reliance and strength, leveraging technological breakthroughs to propel industrial transformation, and striving to secure the commanding heights of energy technology. We will deepen the "Six Threes" safety management framework, establishing a full-process closed-loop mechanism that covers risk identification, early warning, response, and rectification. The Company will advance the full operation of both the intelligent safety risk monitoring and early-warning platform and the digital

dual-prevention mechanism platform, implement rigorous production safety assessment and accountability, and effectively raise the standard of production safety and employee occupational health protection.

Strengthening Party-Building Leadership, Consolidating Internal Development Momentum

The Company will adhere to Party leadership in guiding its sustainable development, thoroughly implementing the "two consistent principles" to strengthen the Party organization's leadership role in setting the direction, managing the overall situation. We will deepen the development of a scientific, rational, and efficient Board of Directors, focusing on consolidating standardization and continuously improving effectiveness. The Company will advance comprehensive and strict Party governance with a spirit of reform and to high standards, develop and implement key tasks for clean governance and anti-corruption work, improve the full-chain inspection responsibility system of "feedback, oversight, assessment, and closure," and sustain integrated advancement of the "three non-corruption" framework, fostering a clean and honest political ecology and working atmosphere. The Company consistently regards employee wellbeing as a cornerstone of its development, continuously refining its compensation and benefits system, steadily strengthening occupational health protections, and comprehensively elevating employee satisfaction, ensuring that employees share in the fruits of the Company's growth.

In 2026, the Company will firmly implement the new energy security strategy of "Four Reforms and One Cooperation," build a solid development foundation through governance modernization, establish a green development identity through green transformation, and lead industrial transformation through technological self-reliance. The Company commits to building a world-class energy enterprise, promoting the development of a modern energy system characterized by sound governance, clean and low-carbon operations, safety, and efficiency, and making solid contributions to building a strong energy nation and advancing the sustainable development of global energy. The Company will strengthen communication and engagement with stakeholders, actively promoting information sharing through "bringing in and going out" as well as online and offline channels, and building open, transparent, and mutually trusting partnerships.

We sincerely thank all our friends and partners for your enduring trust and support, and looks forward to deepening cooperation with all sectors of society, moving forward together, and creating a future of shared sustainable development.



Stock Exchange Index

HKEX Index

Environmental, social, and governance (ESG) aspects, including general disclosures and key performance indicators (KPI)			Page
Environmental			
	General disclosure	Relating to air emissions, discharges into water and land, and generation of hazardous and non-hazardous waste: (a) The policies; and (b) The information on compliance with laws and regulations that have a significant impact on the issuer. <i>Note: Air emissions include NO_x, SO_x, and other pollutants regulated under national laws and regulations. Hazardous waste are those defined by national regulations.</i>	P41
A1: Emissions	A1.1	The types of emissions and respective emissions data	P43
	A1.3	Total hazardous waste produced (in tonnes) and, where applicable, intensity (e.g. per unit of production volume, per facility)	P43
	A1.4	Total non-hazardous waste produced (in tonnes) and, where applicable, intensity (e.g. per unit of production volume, per facility)	P43
	A1.5	Description of emission target(s) set and steps to achieve them	P41-P42
	A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them	P41-P42
	General disclosure	Policies on the efficient use of resources, including energy, water and other raw materials. <i>Note: Resources may be used in production, in storage, transportation, in buildings, electronic equipment, etc.</i>	P48
A2: Use of Resources	A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility)	P51
	A2.2	Total water consumption and intensity (e.g. per unit of production volume, per facility)	P55
	A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them	P50
	A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them	P55
	A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced	P46
A3: Environment and Natural Resources	General disclosure	Policies on minimising the issuer's significant impacts on the environment and natural resources.	P41、 P53
	A3.1	Description of the significant impact of business activities on the environment and natural resources and the actions taken to manage them	P45、 P52-P53
Social			
B1: Employment	General disclosure	Relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination and other benefits and welfare: (a) The policies; and (b) The information on compliance with laws and regulations that have a significant impact on the issuer.	P71-P75
	B1.1	Total workforce by gender, employment type (for example, full- or part-time), age group and geographical region	P76、 P126
	B1.2	Employee turnover rate by gender, age group and geographical region.	P77、 P126-P127

Environmental, social, and governance (ESG) aspects, including general disclosures and key performance indicators (KPI)			Page
	General disclosure	Relating to providing a safe working environment and protecting employees from occupational hazards: (a) The policies; and (b) The information on compliance with relevant laws and regulations that have a significant impact on the issuer.	P58-P60、 P63
B2: Health and Safety	B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	P125
	B2.2	Lost days due to work injury	P125
	B2.3	Description of occupational health and safety measures adopted and how they are implemented and monitored	P63-P64
	General disclosure	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. <i>Note: Training refers to vocational training. It may include internal and external courses paid by the employer.</i>	P78-P79
B3: Development and Training	B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management, etc.).	P79、 P127
	B3.2	The average training hours completed per employee by gender and employee category	P79、 P127
	General disclosure	Relating to the preventing of child or forced labour: (a) The policies; and (b) The information on compliance with relevant laws and regulations that have a significant impact on the issuer.	P73
B4: Labour Standards	B4.1	Description of measures to review employment practices to avoid child and forced labour	P73
	B4.2	Description of steps taken to eliminate such practices when discovered	P73
	General disclosure	Policies on managing environmental and social risks of the supply chain.	P80、 P82-P83、 P86
B5: Supply Chain Management	B5.1	Number of suppliers by geographical region	P87
	B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored	P82
	B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored	P83
	B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored	P83
	General disclosure	Relating to health and safety, advertising, labelling and privacy matters relating to products and methods of redress: (a) The policies; and (b) The information on compliance with relevant laws and regulations that have a significant impact on the issuer.	P88、 P91、 P99
B6: Product Responsibility	B6.1	Percentage of the total products sold or shipped subject to recalls for safety and health reasons	P91
	B6.2	Number of products and service related complaints received and how they are dealt with	P91
	B6.3	Description of practices relating to observing and protecting intellectual property rights	P68-P69
	B6.4	Description of quality assurance process and recall procedures	P90-P91
	B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored	P99

Environmental, social, and governance (ESG) aspects, including general disclosures and key performance indicators (KPI)			Page
B7: Anti-corruption	General disclosure	Relating to the bribery, extortion, fraud and money laundering: (a) The policies; and (b) The information on compliance with relevant laws and regulations that have a significant impact on the issuer.	P111
	B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases	P113
	B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored	P111-112
	B7.3	Description of anti-corruption training provided to directors and staff	P112-P113
B8: Community investment	General disclosure	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests	P92、 P93-P94
	B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sports)	P92、 P93-P94
	B8.2	Resources contributed (e.g. money or time) to the focus area	P92-P94、 P128

Climate-related Disclosures			Page
Governance			
Strategy	Climate-related risks and opportunities		P23-P27
	Business model and value chain		P23-P27
	Strategy and decision-making		P23-P27、 P32-P34
	Financial position, financial performance and cash flows		P30
	Climate resilience		P28-P30
	Financial impact of climate-related risks and opportunities		P30
Risk Management	Risk Management		P31
Metric and Targets	Greenhouse gas emissions		P32
	Climate-related transition risks		P25-P26
	Climate-related physical risks		P23-P24
	Climate-related opportunities		P27
	Capital deployment		P30
	Internal carbon prices		/
	Remuneration		P22
	Industry-based metrics		P32-P34
	Climate-related targets		P31
	Applicability of cross-industry metrics and industry-based metrics		P30

SSE Index

Dimension	Serial number	Topic	Page
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	2	Pollutant discharge	P40-P43
	3	Waste disposal	P40-P43
	4	Ecosystem and biodiversity conservation	P52-P53
	5	Environmental compliance management	P35-P39
	6	Energy utilization	P47-P51
	7	Water resources utilization	P54-P55
	8	Circular economy	P44-P46
Social	9	Rural revitalization	P94
	10	Social contribution	P92-P95
	11	Innovation-driven development	P65-P70
	12	Scientific and technological ethics	The Company deems that technological ethics does not constitute a material impact at the current stage and, therefore, no specific disclosure is made.
	13	Supply chain security	P80-P87
	14	Equal treatment of SMEs	P82
	15	Product and service safety and quality	P88-P91
	16	Data security and customer privacy protection	P96-P99
	17	Employee	P58-P64、 P71-P79
Governance	18	Due diligence	P107
	19	Stakeholder communication	P114
	20	Anti-commercial bribery and anti-corruption	P111-113
	21	Anti-unfair competition	P113

ESG Data Metrics

Environmental

Topic	Indicator	2025	2024	2023
Addressing Climate Change ²³	Total GHG emissions(10,000 tCO ₂ e)	4,905	4,541 (Restated)	4,677 (Restated)
	—Scope 1 (10,000 tCO ₂ e)	3,993	3,612 (Restated)	3,708 (Restated)
	—Scope 2 (10,000 tCO ₂ e)	912	929 (Restated)	969 (Restated)
	—GHG emission intensity (tCO ₂ e/RMB 10,000)	5.34	4.71 (Restated)	4.74 (Restated)
Circular Economy	Comprehensive utilization rate of mine water (%)	97.8	97.2	97.9
	Comprehensive utilization rate of gangue (%)	98.5	95.3	97.2
	Total packaging materials used (Tonnes)	16,036.12	15,183	16,453
	Use of packaging materials per unit product (Kg/tonnes)	4.01	4.00	3.98
	Water reuse rate (%)	98.3	98.4	98.1
Pollutant Prevention and Control	Comprehensive utilization rate of general industrial solid waste (%)	94.8	/	/
	Sulfur dioxide emissions (Tonnes)	1,672	1,539	1,701
	Nitrogen oxide emissions (Tonnes)	3,448	3,172	3,299
	Smoke emissions (Tonnes)	610	526	713
	Total volatile organic compounds (VOCs) emissions (Tonnes)	4,124	4,222	3,650
	Sulfur dioxide emissions per RMB 10,000 of output value (Kg/RMB 10,000)	0.18	/	/
	NOx emissions per RMB 10,000 of output value (Kg/RMB 10,000)	0.38	/	/
	Smoke emissions per RMB 10,000 of output value (Kg/RMB 10,000)	0.07	/	/
	Total wastewater discharge (10,000 tonnes)	552	/	/
	Chemical oxygen demand emissions (Tonnes)	122	129	131
	Ammonia nitrogen emissions (Tonnes)	7	7	7
	Chemical oxygen demand emissions per RMB 10,000 of output value (Kg/RMB 10,000)	0.013	/	/

²³ The Company's greenhouse gas emissions are aggregated and reported based on operational control across four business segments: coal, coal chemicals, power generation, and equipment manufacturing. Greenhouse gas types covered include carbon dioxide, methane, and nitrous oxide. Emissions data encompasses both direct greenhouse gas emissions (Scope 1) and indirect greenhouse gas emissions (Scope 2).

For coal production enterprises, the accounting basis applied is the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions by Coal Production Enterprises in China (Trial)*. Gases accounted for include carbon dioxide and methane. Emission sources covered comprise Scope 1 emissions from fossil fuel combustion, flaring, and fugitive emissions of methane and carbon dioxide, as well as Scope 2 emissions from net purchased electricity and heat consumption.

For coal chemical production enterprises, the accounting basis applied is the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions by Chemical Production Enterprises in China (Trial)*. Gases accounted for include carbon dioxide and nitrous oxide. Emission sources covered comprise Scope 1 emissions from fossil fuel combustion and industrial process emissions, as well as Scope 2 emissions from net purchased electricity consumption.

For power generation enterprises, the accounting basis applied is the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions by Enterprises: Power Generation Facilities*. Gases accounted for include carbon dioxide. Emission sources covered comprise Scope 1 emissions from fossil fuel combustion and Scope 2 emissions from net purchased electricity consumption.

For equipment manufacturing enterprises, the accounting basis applied is the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions by Mechanical Equipment Manufacturing Enterprises (Trial)*. Gases accounted for include carbon dioxide. Emission sources covered comprise Scope 1 emissions from fossil fuel combustion and industrial process emissions, as well as Scope 2 emissions from net purchased electricity and heat consumption.

Topic	Indicator	2025	2024	2023
Pollutant Prevention and Control	Ammonia nitrogen emissions per RMB 10,000 of output value (Kg/RMB 10,000)	0.001	/	/
	Hazardous waste generation (10,000 tonnes)	22.9	22.7	17.4
	Hazardous waste generation per RMB 10,000 of output value (Kg/RMB 10,000)	24.9	23.6	17.6
	General industrial solid waste generation (10,000 tonnes)	3,395	2,642	/
	General industrial solid waste generation intensity (Tonnes/RMB 10,000)	3.70	/	/
	General industrial solid waste-coal gangue generation (10,000 tonnes)	2,655	2,009	2,019
Energy Utilization	Comprehensive energy consumption ²⁴ (10,000 tonnes of standard coal)	615.9	1,150.0	1,192.0
	Comprehensive energy consumption per RMB 10,000 of output value (Tonnes of standard coal/RMB 10,000)	0.67	1.20	1.21
	Total direct energy consumption (10,000 tonnes of standard coal)	856.8	/	/
	—Total raw coal consumption (10,000 tonnes)	1,318.3	1,993.0	2,047.0
	—Total gasoline consumption (10,000 tonnes)	0.2	/	/
	—Total diesel fuel consumption (10,000 tonnes)	16.3	/	/
	—Total natural gas consumption (10,000 cubic meters)	2,768	/	/
	Total indirect energy consumption (10,000 tonnes of standard coal)	103.3	/	/
	—Purchased electricity consumption (Billion kilowatt hours)	5.109	/	/
	—Purchased heat consumption (Billion kilojoules)	12,462.8	/	/
	Total clean energy consumption (Billion kilowatt hours)	0.98	/	/
	—Purchased green electricity consumption (Billion kilowatt hours)	0.79	/	/
—Green certificates retired consumption (Billion kilowatt hours)	0.14	/	/	
—Total self-generated and self-consumed green electricity consumption (Billion kilowatt hours)	0.05	/	/	
Water Resources Utilization	Fresh water consumption (10,000 tonnes)	6,839.56	7,030.00	6,844.00
	Fresh water consumption per RMB 10,000 of output value (Tonnes/RMB 10,000)	7.41	7.29	6.94

²⁴ According to the *Notice on Further Improving the Control of Raw Material Energy Excluding Total Energy Consumption* (No. 803 [2022]) issued by the National Development and Reform Commission (NDRC) and the National Bureau of Statistics (NBS), it is proposed that the energy consumption of raw coal for coal, oil, natural gas and their products for the production of non-energy products such as olefins, aromatics, alkynes, alcohols and synthetic ammonia should not be included in the control of total energy consumption. Starting from 2025, the comprehensive energy consumption and raw coal consumption of enterprises will be deducted from raw coal consumption.

Social

Topic	Indicator	2025	2024	2023
Innovation-Driven Development	R&D investment(RMB 100 million)	35.83	42.37	42.79
	R&D investment as a percentage of operating income	2.42	2.24	/
	Number of R&D personnel	2,254	2,213	/
	Percentage of R&D personnel to total employees (%)	5	/	/
	Number of invention patents applied to the main business	217	/	/
	Number of filed patent application	484	465	311
	Including: Total number of invention patent applications	217	175	111
	Changes in the total number of invention patent applications (%)	24	/	/
	Number of granted patents	262	276	273
	Including: Total number of granted invention patents	115	74	36
	Changes in total number of granted invention patents (%)	55.4	/	/
	Number of valid patents	1,767	/	/
	Number of certified high-tech enterprises	18	18	18
	Number of scientific and technological progress awards above the industry level	76 ²⁵	47	29
	Product and Service Management	Number of trademarks	143	/
Amount involved in major product quality responsibility incidents (RMB 10,000)		0	0	0
Number of products sold recalled for safety and health reasons		0	0	0
Percentage of the total number of products sold or shipped subject to recall for safety and health reasons (%)		0	/	/
Number of customers participating in the survey		991	/	/
Percentage of customers participating in the survey (%)		90	/	/
Customer satisfaction rate (%)		all segments exceeded 90%	all segments exceeded 90%	/
Number of valid complaints		0	0	0
Number of customer complaints resolved		0	/	/
Data Security and Customer Privacy Protection		Number of major data security breach incidents	0	0
	Number of customer privacy breach incidents	0	0	0

²⁵ Including 3 provincial and ministerial scientific and technological progress awards.

Topic	Indicator	2025	2024	2023	
Supply Chain Security and Management	Total number of suppliers	73,527	164,594	133,975	
	Number of suppliers in China	Northeast China	1,953	5,263	4,439
		North China	27,838	66,455	55,107
		East China	21,616	47,728	39,373
		South China	2,672	4,532	3,447
		Central China	10,133	12,901	9,987
		Northwest China	6,789	23,385	18,655
		Southwest China	2,503	4,215	2,862
	Number of overseas suppliers	Asia (excluding China)	4	36	36
		North America	2	22	22
		Europe	16	57	47
		Oceania	1	0	0
	Amount of overdue payments to small and medium-sized enterprises (RMB10,000)	1,413.88	1,466.10	/	
	Production Safety and Occupational Health	Safety training coverage (%)	100	90.5	/
		Amount invested in production safety liability insurance (RMB10,000)	1,930.56	1,904.54 (Restated)	/
Percentage of personnel covered by work safety liability insurance ²⁶ (%)		100	100	/	
Safety production expenses(RMB 100 million)		63.07	32.29	26.68	
Number of emergency plans		3,213	3,174	/	
Number of emergency drills		3,582	3,514	/	
Amount invested in work-related injury insurance(RMB 100 million)		1.72	1.58	/	
Percentage of personnel covered by work-related injury insurance (%)		100	100	/	
Number of employees who died due to work		5	4	5	
Ratio of work-related fatalities (%)		0.0107	0.0080	0.0110	
Work days lost due to work injury (Days)		6,923	8,429	12,007	
Number of production safety accidents		4	/	/	
Number of extremely serious accidents		0	/	/	
Number of major accidents		0	/	/	

²⁶ Coverage rate of high-risk industry units.

Topic	Indicator	2025	2024	2023
Production Safety and Occupational Health	Number of big accidents	0	0	/
	Number of general accidents	4	/	/
	Number of employees killed in safety liability accidents	5	3	3
	Occupational health training coverage(%)	100	/	/
Employee Rights and Interests	Number of flexible jobs	5,045	/	/
	Total number of new employees	1,078	1,190	/
	Total number of employees	46,585	46,452	47,122
	Total number of full-time employees	46,585	46,452	47,122
	Total number of part-time employees	0	0	0
	Total number of male employees	39,392	39,272	39,453
	Total number of female employees	7,193	7,180	7,669
	Total number of employees aged 30 and below	6,416	5,909	6,521
	Total number of employees aged 31 to 40	19,499	19,585	19,745
	Total number of employees aged 41 to 50	12,598	12,463	12,467
	Total number of employees aged 51 and above	8,072	8,495	8,389
	Employees in North China	24,597	24,697	25,588
	Employees in East China	11,051	11,685	12,416
	Employees in Northeast China	1,165	1,107	1,133
	Employees in Northwest China	9,322	8,963	7,985
	Number of employees from ethnic minorities	1,182	1,049	/
	Number of employees with master's degree and above	1,655	/	/
	Number of undergraduate employees	15,628	/	/
	Number of employees with junior college degree and below	29,302	/	/
	Number of employees with disabilities	107	/	/
Employee turnover rate(%)	1.11	1.20	1.10	
Turnover rate of male employees(%)	1.23	1.23	1.14	
Turnover rate of female employees(%)	0.42	0.99	1.02	
Turnover rate of employees aged 30 and below(%)	1.84	2.94	0.92	
Turnover rate of employees aged 31 to 40(%)	1.19	1.07	1.71	
Turnover rate of employees aged 41 to 50(%)	0.50	0.70	0.66	

Topic	Indicator	2025	2024	2023	
Employee Rights and Interests	Turnover rate of employees aged 51 and above (%)	1.26	0.98	0.58	
	Employee turnover rate in North China (%)	0.93	0.86	2.17	
	Employee turnover rate in East China (%)	1.45	1.69	0.93	
	Employee turnover rate in Northeast China (%)	0.94	0.81	0.88	
	Employee turnover rate in Northwest China (%)	1.17	1.50	0.46	
	Employee contract signing rate (%)	100	100	100	
	Number of labor disputes	51	/	/	
	Union membership rate (%)	100	100	100	
	Social insurance coverage (%)	100	100	100	
	Total number of employees assisted	924	1,043 (Restated)	/	
	Number of visits to employees	417	454 (Restated)	/	
	Employee care and assistance (RMB 10,000)	129.94	/	/	
	Employee Development and Training	Number of internal employee transfers	3,125	/	/
		Internal employee turnover ratio (%)	6.70	/	/
Total number of employee training sessions		10,921	/	/	
Amount of employee training expenses (RMB 10,000)		6,929.97	/	/	
Total number of employees participating in the training		42,574	/	/	
Employee training coverage (%)		91.39	76.1	/	
Average training hours of employees (Hours)		28.00	23	/	
Percentage of female employees receiving training (%)		89.67	73.00	71.00	
Percentage of male employees receiving training (%)		91.71	77.00	76.00	
Percentage of mid-level management and above receiving training (%)		100	/	/	
Percentage of general personnel receiving training (%)		91.12	/	/	
Percentage of operation and management personnel receiving training (%)		99.87	88.00	87.00	
Percentage of professional and technical personnel receiving training (%)		97.42	78.00	77.00	
Average training hours of female employees (Hours)		28	23	23	
Average training hours of male employees (Hours)	28	23	23		
Average training duration of middle-level and above management (Hours)	30	/	/		
Average duration of training for general personnel (Hours)	25	/	/		
Average training hours of operation and management personnel (Hours)	33	28	27		
Average training hours of professional and technical personnel (Hours)	30	26	25		

Topic	Indicator	2025	2024	2023
Community Engagement and Social Contribution	Total social donations (RMB 10,000)	1,470.50	632	894
	Amount invested in voluntary activities (RMB 10,000)	19.87	/	/
	Total duration of volunteer activities (Hours)	29,676	30,285 (Restated)	/
	Number of volunteer participants	5,593	5,685	/
	Total number of volunteer activities	535	676	/
	Number of jobs created	1,078	/	/
	Percentage of local employees (%)	100	/	/
	Paid taxes and fees (RMB 100 million)	204.15	249.70	269.69
	Total social contribution (RMB 100 million)	611.12	693.95	718.77
	Social contribution per share (RMB)	4.61	5.23	5.42
Responding to National Strategies	Number of national awards and honors received	17	/	/
	Number of awards and honors received at provincial and ministerial levels or above	132	/	/
	Amount of investment in rural (RMB 10,000)	3,717.57	4,392	4,161

Governance

Topic	Indicator	2025	2024	2023
Economic Performance	Total assets (RMB 100 million)	3,705.18	3,579.09(Restated)	3,491.55
	Equity attributable to the equity holders of the Company (RMB 100 million)	1,603.66	1,517.89(Restated)	1,438.82
	Revenue (RMB 100 million)	1,480.57	1,893.96(Restated)	1,929.69
	Profit before income tax (RMB 100 million)	222.81	302.79(Restated)	336.95
Product Output	Commercial coal production (10,000 tonnes)	13,510	13,757	13,422
	Commercial coal sales volume (10,000 tonnes)	25,580	28,483	28,494
	Polyolefin production (10,000 tonnes)	138.6	151.4	148.7
	Urea output (10,000 tonnes)	213.4	187.1	206.6
	Methanol output (10,000 tonnes)	195.5	173.0	190.1
	Ammonium nitrate output (10,000 tonnes)	58.6	57.5	58.2
	Output value of coal machinery equipment (RMB 100 million)	92.1	103.5	114.3

Topic	Indicator	2025	2024	2023	
Compliance and Risk Management	Number of Board meetings	5	7	7	
	Number of resolutions deliberated by the Board	35	32	30	
	Attendance of Board members (%)	100	100	100	
	Number of Directors attending less than 75% of the meetings	0	0	0	
	Number of meetings of the Strategy and Investment Committee	1	2	3	
	Number of meetings of the Nomination Committee	1	1	2	
	Number of meetings of the Remuneration and Appraisal Committee	4	3	4	
	Number of meetings of the Audit and Risk Management Committee	6	6	6	
	Number of Safety, Health and Environmental Protection Committee (ESG Committee) meetings	2	2	2	
	Percentage of senior executives in the Remuneration and Appraisal Committee (%)	0	0	0	
Board Independence	Percentage of experts on Audit and Risk Management Committee (%)	100	100	100	
	Percentage of risk management experts (%)	100	100	100	
Risk Management	Percentage of executive directors (%)	33	43	43	
	Percentage of independent non-executive directors (%)	43	43	43	
	Percentage of independent directors on the audit and risk management committee (%)	75	75	75	
	Percentage of independent non-executive directors on the remuneration and appraisal committee (%)	67	67	67	
	Percentage of independent non-executive directors on the nomination committee (%)	67	67	67	
	Number of major litigation, arbitration and other risk events involved	0	/	/	
	Number of penalties for major violations	0	/	/	
	Total amount of fines paid for major violation penalties involved (RMB 10,000)	0	/	/	
	Stakeholder Communication	Number of investor communication activities	107	134	100
		Number of roadshows	10	6	/
Number of direct interactions with investors online and offline		2,029	/	/	
Hold investor performance briefings and monthly production and operation briefings		16	/	/	
Directors' attendance at shareholder's meeting (%)		57	/	/	
Number of resolutions deliberated at shareholders' meetings		15	10	/	
Cumulative number of cash dividends		2	3	/	

Topic	Indicator	2025	2024	2023
Anti-Commercial Bribery and Anti-Corruption	Number of meetings held on special reports on anti-corruption	376	271	/
	Participants in anti-corruption warning education activities	18,553	21,149	/
	Total number of participants in anti-corruption training	35,226	33,009	/
	Total duration of anti-corruption training (Hours)	2,602	1,995	/
	Total number of directors trained in anti-corruption	190	/	/
	Percentage of directors receiving anti-corruption training (%)	91.79	/	/
	Total number of management trained in anti-corruption	2,353	/	/
	Percentage of management in anti-corruption training (%)	98.45	/	/
	Total number of general employees undergoing anti-corruption training	20,304	/	/
	Percentage of general employees receiving anti-corruption training (%)	59.35	/	/
	Number of corruption litigation cases	0	/	/

Deloitte.

德勤

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INDEPENDENT LIMITED ASSURANCE REPORT

DTT(26)BAR00010

To the Board of Directors of China Coal Energy Company Limited:

We have been engaged to perform a limited assurance engagement on selected 2025 Key Performance Indicators (the "Selected Indicators") in the 2025 Environmental, Social and Governance (ESG) Report (the "ESG Report") prepared by China Coal Energy Company Limited (the "Company").

Subject Matters for Limited Assurance

The subject matters of this assurance engagement include the selected 2025 KPIs in the following 2025 ESG Report Appendix - Key Performance Table:

1	Total GHG emissions	12	Comprehensive utilization rate of gangue
2	Scope 1 GHG emissions	13	Hazardous waste generation
3	Scope 2 GHG emissions	14	Total number of male employees
4	Comprehensive energy consumption	15	Total number of female employees
5	Purchased electricity consumption	16	Employee turnover rate
6	Total raw coal consumption	17	Number of employees who died due to work
7	Fresh water consumption	18	Work days lost due to work injury
8	Sulfur dioxide emissions	19	Amount invested in production safety liability insurance
9	Nitrogen oxide emissions	20	Total social donations
10	Total volatile organic compound emissions	21	Number of scientific and technological progress awards above the industry level
11	General industrial solid waste-coal gangue production	22	Total duration of anti-corruption training

Our limited assurance engagement is limited to the 2025 KPIs selected in the 2025 ESG Report above, and does not extend to information disclosed in the 2025 ESG Report that is not included in the "Subject Matters for Limited Assurance", as well as the 2024 and prior years' KPIs and other information.

Applicable Criteria

The applicable criteria used by the Company in the preparation of the Selected Indicators are set out in the Appendix attached to this report.

Responsibility of Management and Those Charged with Governance

The management of the Company is responsible for the preparation of the Selected Indicators in accordance with the applicable criteria. This responsibility includes designing, implementing and maintaining internal control relevant to the preparation of the Selected Indicators that is free from material misstatement, whether due to fraud or error.

Those charged with governance are responsible for overseeing the reporting process.

Inherent Limitations of Applicable Criteria

We draw attention of the users of this report to the fact that there is no generally accepted evaluation and measurement basis for the preparation of non-financial information, which may affect the comparability of sustainability information between entities and over time.

Our Independence and Quality Management

We have complied with the independence and other ethical requirements of the *International Code of Ethics for Professional Accountants (including International Independence Standards)* issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

Our firm applies *International Standard on Quality Management 1*, which requires the firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Our Responsibilities

Our responsibility is to perform limited assurance in accordance with the *International Standard on Assurance Engagements 3000 (Revised) – Assurance Engagements other than Audits or Reviews of Historical Financial Information*. We express assurance conclusions with limited assurance on whether the Selected Indicators in the 2025 ESG Report have been prepared in all material respects in accordance with the applicable criteria.

Assurance Approach

The procedures performed in a limited assurance engagement substantially vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Therefore, the level of assurance obtained by limited assurance was less than reasonable assurance. We do not provide reasonable assurance that the Selected Indicators in the 2025 ESG Report were disclosed in all material respects in accordance with the applicable criteria. Our assurance included identifying areas where Selected Indicators for 2025 may be materially misstated in the ESG Report, designing and implementing assurance procedures to address these identified areas, and obtaining evidence accordingly. The assurance procedures we carried out depend on our professional judgment and risk assessments of assurance.

We carried out the following assurance procedures:

- Interviewed the Company's management and staff responsible for information collection, consolidation and disclosure to understand the process of reporting in relation to these Selected Indicators;
- Tested relevant supporting documents on a sample basis;
- Performed analytical procedures on Selected Indicators;
- Recalculated Selected Indicators on a sample basis.

Limited Assurance Conclusions

Based on the above work performed and the evidence we have obtained, nothing has come to our attention that would lead us to believe that there is any material misstatement related to the Selected Indicators in the Company's 2025 ESG Report prepared in accordance with the applicable criteria.

Use of Independent Limited Assurance Report

This independent limited assurance report is solely for the purpose of preparing the Company's 2025 ESG Report, and is not suitable and cannot be used for other purposes. We do not assume responsibility or accept liability to any other person or third party other than the Company's Board of Directors for this report.

This is the English translation of the Independent Limited Assurance Report in Chinese version. If there is any conflict between the translated and Chinese version, the Chinese version shall prevail.



Deloitte Touche Tohmatsu Certified Public Accountants LLP
Shanghai, China
Mar 27, 2026

Appendix

1.Total GHG Emissions / Scope 1 GHG Emissions / Scope 2 GHG Emissions

Scope 1 direct greenhouse gas emissions, Scope 2 indirect greenhouse gas emissions, and total greenhouse gas emissions generated from the production and operation activities of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025. The calculation is conducted in accordance with the relevant provisions of the *Guidelines for Accounting and Reporting of Corporate Greenhouse Gas Emissions – Power Generation Facilities*, the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions by Chinese Chemical Production Enterprises (for Trial Implementation)*, the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions by Chinese Coal Production Enterprises (for Trial Implementation)*, and the *Guidelines for Accounting and Reporting of Greenhouse Gas Emissions by Machinery and Equipment Manufacturing Enterprises (for Trial Implementation)*, using relevant coefficients and emission factors based on 2025 statistics.

2.Comprehensive Energy Consumption

Total comprehensive energy consumption of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, converted into tons of standard coal equivalent (tce) covering energy consumed in business operations (including coal, diesel, gasoline, natural gas, purchased electricity, etc.). Reasonable conversion factors/factors are determined in accordance with the relevant provisions of the *General Principle for Calculation of Comprehensive Energy Consumption* (GB/T 2589-2020). Coal consumption as raw material has been deducted in accordance with the *Notice on Further Improving the Work of Excluding Raw Material Energy Consumption from Total Energy Consumption Control*.

3.Purchased Electricity Consumption

Total purchased electricity consumed in business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in hundred million kilowatt-hours.

4.Total Raw Coal Consumption

Total fuel coal consumed in business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in ten thousand tons. Coal consumption as raw material has been deducted in accordance with the *Notice on Further Improving the Work of Excluding Raw Material Energy Consumption from Total Energy Consumption Control*.

5.Total Fresh Water Consumption

Total fresh water consumed in business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in ten thousand tons.

6.Sulfur Dioxide Emissions

Total sulfur dioxide emissions from business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in tons.

7. Nitrogen Oxides Emissions

Total nitrogen oxides emissions from business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in tons.

8.Total Volatile Organic Compounds Emissions

Total volatile organic compounds emissions from business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in tons.

9. General industrial solid waste-coal gangue production

Total coal gangue generated from business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in ten thousand tons.

10. Comprehensive utilization rate of gangue

The proportion of coal gangue reused through land reclamation, production of building materials and other means to the total coal gangue generated from business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025.

11.Hazardous waste generation

Total hazardous waste generated from business operations of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025. Classification of hazardous waste is based on the *National Catalogue of Hazardous Wastes (2025 Edition)*, in ten thousand tons.

12.Total Number of Male / Female Employees

Number of male and female permanent employees of China Coal Energy Company Limited and its subsidiaries and branches as at 31 December 2025, excluding dispatched employees.

13.Employee Turnover Rate

Calculated as the number of permanent employees who voluntarily resigned from China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, divided by the number of permanent employees under the above-mentioned 口径 as at 31 December 2025.

14. Number of employees who died due to work

Number of permanent employees of China Coal Energy Company Limited and its subsidiaries and branches who died in work safety accidents for the period from 1 January 2025 to 31 December 2025. Work safety accidents are determined in accordance with the relevant provisions of the *Regulations on the Reporting, Investigation and Handling of Work Safety Accidents*.

15.Work days lost due to work injury

Total working days lost by permanent employees of China Coal Energy Company Limited and its subsidiaries and branches due to work-related injuries for the period from 1 January 2025 to 31 December 2025. Work-related injuries are determined in accordance with the relevant provisions of the *Regulations on Industrial Injury Insurance*.

16. Amount invested in production safety liability insurance

Total expenditure on work safety liability insurance purchased for employees by China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025 in accordance with the *Measures for the Implementation of Work Safety Liability Insurance*, in ten thousand RMB.

17. Total social donations

The aggregate expenditure on direct financial contributions and in-kind donations (measured at monetary value) made by China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, expressed in ten thousand RMB. The disclosure basis is consistent with that of external donations presented in the social responsibility section of the annual report.

18. Number of scientific and technological progress awards above the industry level

Total number of science and technology-related awards obtained by China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, including national-level, provincial and ministerial-level awards, and awards issued by national industry associations legally registered with the Ministry of Civil Affairs.

19. Total duration of anti-corruption training

Total duration of anti-corruption, Party conduct and clean governance training attended by permanent employees of China Coal Energy Company Limited and its subsidiaries and branches for the period from 1 January 2025 to 31 December 2025, in hours.

Reader Feedback Form

Dear Reader,

Hello!

Thank you for reading the *2025 Environmental, Social and Governance (ESG) Report of China Coal Energy Company Limited*. We greatly value your feedback on China Coal Energy's ESG management, practices, and information disclosure. Your insights and suggestions serve as a critical foundation for our continuous improvement in ESG management and implementation. We look forward to your response!

Multiple-Choice Questions (Please check the appropriate box ✓)

1. Which category of stakeholder do you belong to?

- Government departments Securities regulatory authorities Investors and shareholders
- Customer Suppliers/Partners Employee Local communities
- News outlets Others _____

2. How well does this report address the information you are concerned about?

- Very good Good Average Poor Very poor

3. How well do you think this report responds to China Coal Energy's economic, social, and environmental impact?

- Very good Good Average Poor Very poor

Open-Ended Questions

1. Which aspects of this report would you like to see disclosed regularly?

2. Do you have any additional comments or suggestions regarding our ESG management, practices, and information disclosure?

We sincerely appreciate your time in completing this feedback form. Please submit your response using the following methods:

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