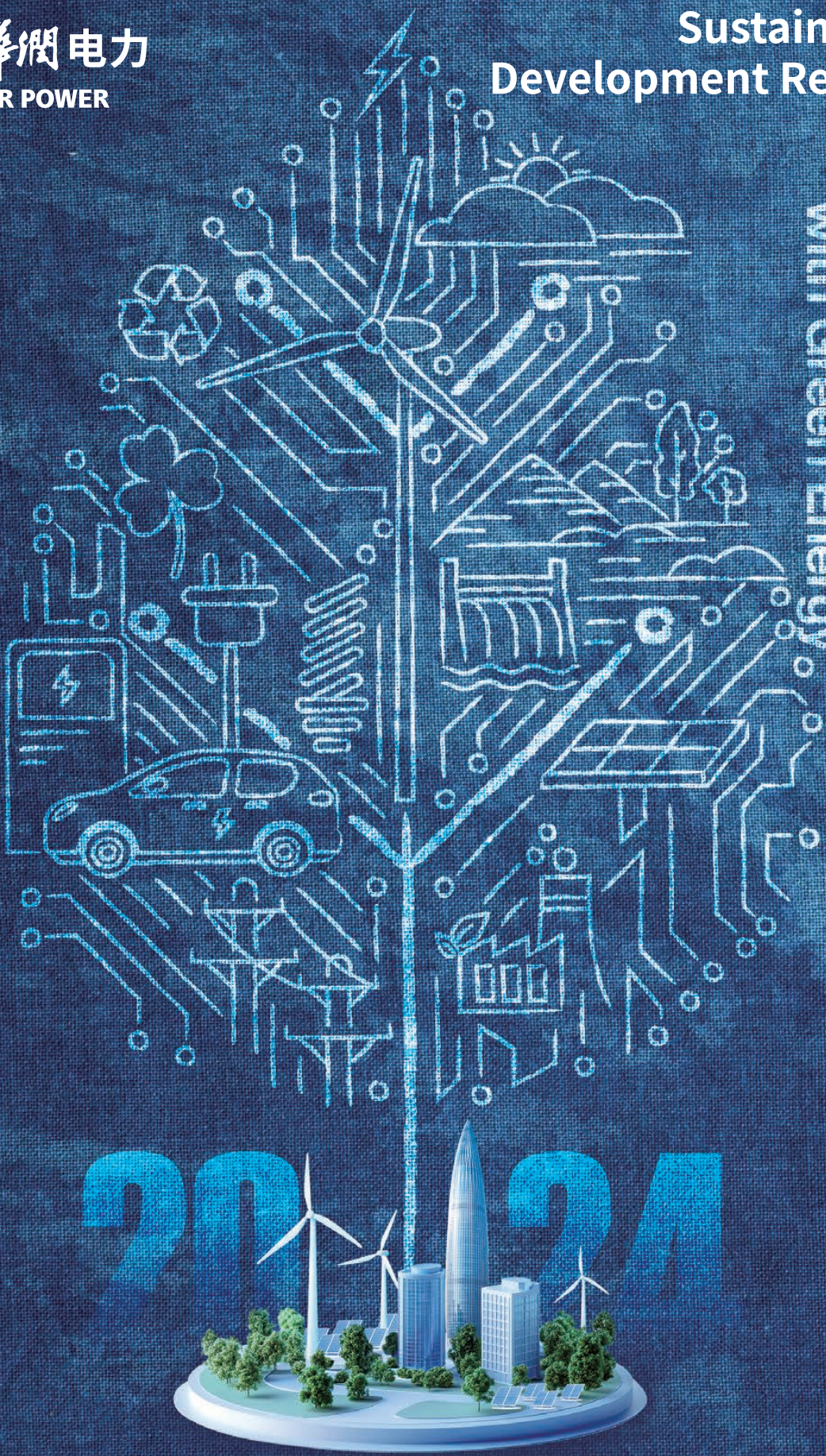
華潤电力
CR POWER

Sustainable Development Report

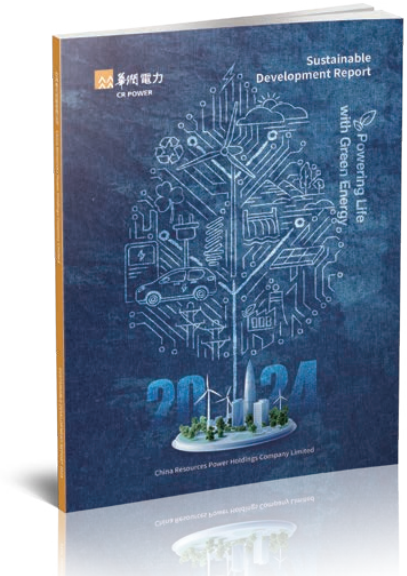
Powering Life with Green Energy



2024

China Resources Power Holdings Company Limited

About the Report



This is the 15th Sustainable Development Report published by China Resources Power Holdings Co., Ltd. ("CR Power"). It is an annual report for the reporting period from January 1 to December 31, 2024.

Basis of Preparation

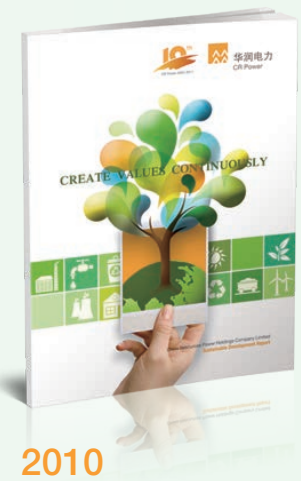
This Report is prepared with reference to the following important standards:

- Environmental, Social and Governance Reporting Code as outlined in Appendix C2 of the *Rules Governing the Listing of Securities on the Stock Exchange of Hong Kong Limited* issued by the Stock Exchange of Hong Kong Limited ("HKEx")
- *Guiding Opinions on High-standard Performance of Social Responsibilities by Central Enterprises in the New Era* issued by the State-owned Assets Supervision and Administration Commission of the State Council
- Sustainability Reporting Guidelines of the Global Reporting Initiative (GRI Standards)
- *China Sustainable Development Reporting Guidelines (CASS-ESG 6.0) Power, Heat Production and Supply Industry* by China Enterprise Reform and Development Society and the Responsibility Cloud Research Institute
- *China Resources Group Social Responsibility Program Management Measures*
- *CR Power Social Responsibility Program Management Standards*

Scope

The organizational scope of this report is China Resources Power Holdings Co., Ltd. and its subsidiaries. The organizational structure can be found on page 105. In this report, "CR Power", "the Company", "the Holding Company", and "We" refer to "China Resources Power Holdings Co., Ltd. and its subsidiaries"; "China Resources Group" refers to "China Resources (Group) Co., Ltd."

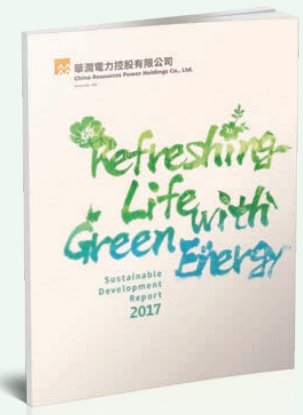
We have engaged an independent third party to provide assurance of 20 performance indicators in this report. The Assurance Report is available on pages from 4 to 5.



2010

2011

2012



2017

2018

2019

Information Source

Unless otherwise specified, the information and data herein are based on the Company's official documents, statistical reports, financial reports, or relevant public documents. CR Power undertakes that this Report contains no false records, misleading statements, or material omissions, and the Board of Directors is responsible for the truthfulness and accuracy of this Report.

Reporting Principles

This Report complies with the requirements of the *Environmental, Social, and Governance Code* for the "Materiality", "Quantitative", "Balance", and "Consistency" principles. Specifically, this Report responds to the principle of "Materiality" by providing materiality matrix analysis of sustainability issues, the principle of "Quantitative" by setting out lists of quantitative data and sources of conversion factors, the principle of "Consistency" by applying consistent data disclosure standards and statistical methods, and the principle of "Balance" by disclosing and reviewing negative issues.

Confirmation and Approval of the Report

This Report was confirmed by the Company's Sustainability Committee and approved by the Board of Directors in April 2025.

Access to the Report

This Report is available on the HKEx website (www.hkexnews.hk) and the CR Power website (https://www.cr-power.com/kcxfzbg/index.html).

For any inquiries, comments, or suggestions about this Report or the Company's sustainable development, please contact:

Hong Kong Head Office: Room 2001-2002, 20/F, China Resources Building, 26 Harbour Road, Wanchai, Hong Kong
Tel.: (852) 2593 7530
Fax: (852) 2593 7531
Investor Hotline: (852) 2593 7550
Email: crp-ir@crc.com.hk

Shenzhen Head Office: 26/F Tower C, China Resources Land Building, No.9668, Shennan Avenue, Nanshan District, Shenzhen
Tel.: (86) 755 8269 1666
Fax: (86) 755 8269 1500
Email: cr-power@crpower.com.cn
Website: www.cr-power.com

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Integrity and Compliance, Promoting Sustainable Operations

Ernst & Young Hua Ming LLP
Level 17, Ernst & Young Tower
Oriental Plaza, 1 East Chang An Avenue
Dongcheng District
Beijing, China 100738

安永华明会计师事务所（特殊普通合伙）
中国北京市东城区东长安街1号
东方广场安永大楼17层
邮政编码：100738

Tel电话：+86 10 5815 3000
Fax传真：+86 10 8518 8298
ey.com

Independent Assurance Report

安永华明(2025)专字第70040984_H01号

To the Board of China Resources Power Holdings Corporation:

Scope of Our Engagement

We have been engaged by China Resources Power Holdings Co., Ltd. (the "Company") to perform a "limited assurance engagement", as defined by International Standards on Assurance Engagements, here after referred to as the engagement, to report on the Company's selected matter (the "Subject Matter") contained in China Resources Power Holdings Co., Ltd.'s 2024 Sustainable Development Report (the "Sustainable Development Report").

Other than as described in the preceding paragraph, which sets out the scope of our engagement, we did not perform assurance procedures on the remaining information included in the Report, and accordingly, we do not express a conclusion on this information.

Criteria Applied by China Resources Power Holdings Co., Ltd.

In preparing the 2024 Sustainable Development Report, China Resources Power Holdings Co., Ltd. applied the *Appendix C2 Environmental, Social and Governance Reporting Code* of the Stock Exchange of Hong Kong Limited and the standards defined and disclosed in the Sustainable Development Report (Criteria).

China Resources Power Holdings Co., Ltd.'s Responsibilities

China Resources Power Holdings Co., Ltd.'s management is responsible for selecting the Criteria, and for presenting the Subject Matter in accordance with that Criteria, in all material respects. This responsibility includes establishing and maintaining internal controls, maintaining adequate records and making estimates that are relevant to the preparation of the subject matter, such that it is free from material misstatement, whether due to fraud or error.

EY's Responsibilities

Our responsibility is to express a conclusion on the presentation of the Subject Matter based on the evidence we have obtained.

We conducted our engagement in accordance with the *International Standard for Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* ('ISAE 3000 (Revised)'), and the terms of reference for this engagement as agreed with China Resources Power Holdings Co., Ltd. on 8th April 2025. Those standards require that we plan and perform our engagement to express a conclusion on whether we are aware of any material modifications that need to be made to the Subject Matter in order for it to be in accordance with the Criteria, and to issue a report. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risk of material misstatement, whether due to fraud or error.

We believe that the evidence obtained is sufficient and appropriate to provide a basis for our limited assurance conclusions.

Our Independence and Quality Management

We have maintained our independence and confirm that we have met the requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, and have the required competencies and experience to conduct this assurance engagement.

EY also applies International Standard on Quality Management 1, *Quality Management for Firms that Perform Audits or Reviews of Financial Statements, or Other Assurance or Related Services engagements*, which requires that we 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.

安永华明(2025)专字第70040984_H01号

Description of Procedures Performed

Procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. Our procedures were designed to obtain a limited level of assurance on which to base our conclusion and do not provide all the evidence that would be required to provide a reasonable level of assurance.

Although we considered the effectiveness of management's internal controls when determining the nature and extent of our procedures, our assurance engagement was not designed to provide assurance on internal controls. Our procedures did not include testing controls or performing procedures relating to checking aggregation or calculation of data within IT systems.

A limited assurance engagement consists of making enquiries, primarily of persons responsible for preparing the Subject Matter and related information, and applying analytical and other appropriate procedures.

We have performed assurance procedures on the selected 2024 sustainability key performance indicators disclosed in the Sustainable Development Report as follows:

Safety

- Employee personal injury and fatality incident (Nr.)

Environment

- Installation rate of desulfurization equipment in coal-fired generating units (%)
- Installation rate of denitration equipment in coal-fired generating units (%)
- Natural gas consumption (1 million m^3)
- Diesel consumption (10,000 t)
- Coal consumption (10,000 t)
- Purchased electricity (MWh)
- Standard coal consumption for power supply (subsidiary coal-fired power plants) (g/kWh)
- Total GHG emissions (10,000 t)
- Carbon emission intensity per kWh (g/kWh)
- Carbon emission intensity per kWh (thermal power) (g/kWh)
- Nitrogen oxides emissions (10,000 t)
- Sulfur dioxide emissions (10,000 t)
- Smoke emissions (10,000 t)
- Nitrogen oxides emission rate (g/kWh)
- Sulfur dioxide emission rate (g/kWh)
- Smoke emission rate (g/kWh)

Social

- Total number of employees (person)
- Female employees (person)
- Ethnic minority employees (person)

The limited assurance procedures we carried out are following:

1) Conducted interviews with relevant personnel to understand the process of collecting, organizing and reporting procedures of critical information during the reporting period;
2) Evaluated whether calculation methodologies were properly applied in accordance with the reporting framework outlined in the preparation basis;
3) Performed analytical procedures on datasets and raised management inquiries regarding identified significant variances to obtain explanatory evidence;
4) Conducted sampling tests on acquired data to verify the accuracy of information;
5) Other procedures we considered necessary.

Conclusion

Based on our procedures and the evidence obtained, we are not aware of any material modifications that should be made to the Subject Matter in the Sustainable Development Report, in order for it to be in accordance with the Criteria.

Ernst & Young Hua Ming LLP

April 28, 2025
Beijing, China

Chairman's Speech

"

The year 2024 stands as a pivotal milestone in achieving the goals of the "14th Five-Year Plan" and a critical juncture for comprehensively advancing the deepening and upgrading of state-owned enterprise (SOE) reform. This year is also a connecting link between the preceding and the following. Guided by Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era, we have earnestly implemented President Xi Jinping's directive to " promote green transformation in economic development and achieve greater development in green transformation". Seizing the moment, we have vigorously implemented a new round of reform deepening and upgrading actions, intensely practiced the new energy security strategy of "four revolutions and one cooperation", demonstrated our responsibility through reform, responded to the times by struggling, and achieved fruitful results in the wave of energy reform. We have taken solid steps in the practice and exploration of sustainable development. In 2024, CR Power achieved an operating revenue of HKD105.28 billion and a net profit of HKD14.39 billion, marking a year-on-year increase of 30.8%.

"

Highlighting low-carbon transformation and striving to be an industrial pioneer that enables green development.

CR Power has always been guided by the national "carbon peaking and carbon neutrality goals", unswervingly following the path of green and low-carbon development, making green a bright background for its sustainable development. Aiming at the goal of raising the installed capacity proportion with renewable energy to 50% by the end of the "14th Five-Year Plan" period, we have deepened our planning and layout of strategic emerging industries, focused on resource-rich areas such as Northwest China, North China, and Northeast China and southeastern coastal areas, completed the grid connection work of Xinjiang's first million-kilowatt wind power project – Xinjiang Santanghu 1 Million-kilowatt Wind Power Project, and achieved a breakthrough from zero in the offshore wind power business in Guangdong Province in the competition for offshore wind power projects. The construction of renewable energy and the scale of grid connection have surpassed the best in history. Additionally, we have been expanding our integrated energy business. Our smart energy management platform has been connected to over a thousand projects. The first charging station in the Chinese mainland using fully liquid-cooled supercharging technology – Henan Jiaozuo Railway Station Photovoltaic Storage and Charging Integration Project was officially put into operation. In 2024, the grid-connected attributable generation capacity of CR Power's renewable energy projects accounted for more than 47.2%, with CCUS technology capturing over 6,297 tons of carbon dioxide in total and a green electricity trading volume of 6.74 billion kWh.

Shouldering the mission to set a benchmark for central SOEs that warm society and people's livelihood.

CR Power has always focused on benefiting society and the people and lived up to the people's yearning for a better life. We have shouldered the responsibility of ensuring energy supply as a central SOE in the electricity field and made every effort to ensure the stable supply of electricity and escort economic development and people's livelihood under the dual pressure of large fluctuations in fuel prices and tight supply and demand of electricity. We comprehensively promote the energy technology revolution and draw a blueprint for high-quality development with sci-tech innovation. In 2024, the Company's R&D investment was RMB1.398 billion, an 89% increase from the previous year. The Lianjiang Offshore Wind Power Project, with the largest unit capacity in China, has been listed in State-owned Assets Suspension and Administration "Top 100 Projects", and two sets of technical equipment, including the world's first 100MWh intelligent string network energy storage system, have been selected for the national first set. We have actively integrated into the mission of rural revitalization of the era, explored the path of "new energy +" industrial assistance, and created long-term benefits for farmers through photovoltaic and wind power poverty alleviation, culture-tourism integration, and other modes while promoting green and low-carbon development in rural areas. In 2024, the Company invested RMB19.793 billion in rural revitalization, carrying out 11 industrial investment cooperation assistance projects. We insist on devoting ourselves to public welfare to protect the people's livelihood and well-being. We have also carried out activities such as offering loving condolences, donating money to support education, promoting environmental protection and public welfare, and publicizing electricity use. In 2024, our public welfare and charity investment reached RMB51.17 million.

Striving for excellence and stimulating the endogenous power to strengthen corporate governance.

CR Power has always been cautious and steadfast in promoting the modernization of its management system and management capabilities, unleashing the vitality of high-quality development. In the process of deepening the reform of SOEs, we have improved modern governance mechanisms, built a compliant management system, and established an indicator system for improving strategic development capabilities. We were selected as a benchmark enterprise in the State-owned Assets Supervision and Administration Commission of the State Council's Key State-owned Enterprise Management Benchmark Creation Action and won the 2024 "Institutional Investor" Asian Public and Renewable Energy Sector Best Board of Directors Administration Award. In advancing ESG work, we have fully combined our general principle of "brand service strategy", strived to play a leading role in the integrated development of environment, society, and governance, continuously deepened the concept of fulfilling social responsibility and creating social value, and worked with stakeholders to build a sustainable ecosystem.

With high aspirations in mind, we will strive ahead for a more magnificent future. Standing at the historical intersection of the end of the "14th Five-Year Plan" and the beginning of the "15th Five-Year Plan", CR Power will continue to forge ahead with tenacity, take green development as the purpose, serving people's livelihood as the original intention, taking corporate governance as the cornerstone, acting as a promoter of sustainable development concept and the main force of ecological civilization construction, and moving forward firmly toward the goal of building a world-class clean energy supplier and integrated energy service provider with global competitiveness. We will make a greater contribution to creating a new development pattern in an all-around way and drawing a beautiful picture of China!

Shi Baofeng
Chairman of the Board

About Us

CR Power was established in August 2001 and listed on the Main Board of the HKEx in November 2003 (stock code 836). Its businesses include wind power, photovoltaic power, thermal power, hydroelectric power, distributed energy, power sales, integrated energy services, and coal mining.

As of December 31, 2024, CR Power had total assets of HKD362.46 billion, with a manageable grid-connected installed capacity of 82,441 MW and an attributable grid-connected installed capacity of 72,433 MW. The attributable grid-connected installed capacity of renewable energy accounts for 47.2%. Its business covers 32 provinces, autonomous regions, municipalities directly under the Central Government, and special administrative regions in China. It has been selected as one of the *Forbes* Global 2000 Listed Companies for the 18th consecutive year, ranked 734th in the overall ranking, and selected as one of the 2024 Listed Companies by *Bloomberg Businessweek/Chinese Edition*. Since 2020, CR Power has been selected as a constituent stock of the Hang Seng ESG 50 Index and the Hang Seng Corporate Sustainability Benchmark Index for five consecutive years.

CR Power had total assets of

HKD **362.46** billion

a manageable grid-connected installed capacity of

82,441 MW

an attributable grid-connected installed capacity of

72,433 MW

The attributable grid-connected installed capacity of renewable energy accounts for

47.2%

Renewable energy

Integrated energy services

Energy science and technology

Business Types and Distribution[1]

- Thermal power
- Wind power, concentrated photovoltaic power, hydro-electric power
- Power sales
- Integrated energy services

Jiangsu Province

Guoneng Taicang (1,200.0MW)
Changshu (1,950.0MW)
Changzhou (103.0MW)
Taizhou (80.8MW)
Nanre (1,200.0MW)
Zhenjiang (1,540.0MW)
Nanjing Thermal Power (660.0MW)
Nanjing Chemical Park (670.0MW)
Tongshan (2,000.0MW)
Xuzhou (1,280.0MW)
Huaxin (660.0MW)
Yangzhou Second Project (1,260.0MW)
Gaoyou Wind (53.0MW)
Huai'an Wind (80.0MW)
Nantong Wind (65.5MW)
Pizhou Wind (87.5MW)
Suining Wind (37.1MW)
Yancheng Wind (44.0MW)
Yixing Wind (42.9MW)
Huai'an Bojing Wind (47.5MW)
Zhenjiang PV (90.9MW)
Huai'an PV (10.1MW)
Rudong PV (166.2MW)
Peixian PV Phase II (78.6MW)
Pizhou PV (52.2MW)
Haian PV (17.9MW)
Gaoyou PV (62.3MW)
Binhai PV (60.0MW)
Zhenjiang Distributed PV (1.8MW)
Suqian Distributed PV (25.1MW)
Gaoyou Distributed PV (1.6MW)
Gaoyou Distributed PV Phase II (0.3MW)
Nanjing Distributed PV (3.2MW)
Pizhou Distributed PV (0.2MW)
Rudong Distributed PV (5.2MW)
Suzhou Distributed PV (9.8MW)
Xuzhou Distributed PV (14.4MW)
Yizheng Distributed PV (2.0MW)
Wuxi Distributed PV (5.3MW)
Zhangjiagang Distributed PV (4.5MW)
Taixing Distributed PV (4.2MW)
Boyunte Distributed PV (28.4MW)
Suzhou Changrun Distributed PV (5.4MW)
Yancheng Binhai Distributed PV (21.1MW)
Nanjing Gaochun Distributed PV (0.5MW)
Yanjiang Reli Distributed PV (0.2MW)

Henan Province

Gucheng (600.0MW)
Shouyangshan (1,200.0MW)
Dengfeng (1,840.0MW)
Jiaozuo (1,320.0MW)
Zhengzhou Air Harbor (82.2MW)
Xinye Wind (90.0MW)
Anyang Wind (250.0MW)
Fengqiu Wind (70.0MW)
Huaxian Wind (200.0MW)
Luohe Wind (52.0MW)
Qixian Wind (34.0MW)
Shangqiu Wind (20.0MW)
Wugang Wind (76.0MW)
Xinxian Wind (22.5MW)
Yucheng Wind (50.0MW)
Yuanyang Wind (30.0MW)
Zhoukou Wind (20.0MW)
Dengzhou Wind (111.0MW)
Linying Wind (280.0MW)
Biyang Wind (238.9MW)
Neihuang Wind (761.0MW)
Queshan Wind (60.4MW)
Tanghe Wind (379.0MW)
Yexian Wind (24.2MW)
Yexian Wind Phase II (36.5MW)
Zhumadian Wind (18.0MW)
Huojia County Wind (40.0MW)
Lushan Wind (28.6MW)
Luyi County Wind (100.0MW)
Yanshi Wind (30.0MW)
Xinyang Hengming Wind (14.0MW)
Xinyang Mingjie Wind (20.0MW)
Xinyang Yangming Wind (20.0MW)
Xinyang Yaoming Wind (30.0MW)
Qixian County Distributed PV (2.7MW)
Dengfeng Distributed PV (1.1MW)
Jiaozuo Distributed PV (2.2MW)
Xinxiang Economic Development Zone Distributed PV (4.5MW)
Xuchang Weidu District Distributed PV (3.5MW)
Yexian County Distributed PV (1.5MW)
Zhengzhou Distributed PV (5.2MW)
Xinmi Distributed PV (2.6MW)
Luoyang Distributed PV (0.5MW)
Yanshi Distributed PV (6.4MW)
Yiyang Distributed PV (1.0MW)
Zhumadian Yicheng Distributed PV (3.9MW)

Guangdong Province

Guangzhou Thermal (600.0MW)
Yunfu (660.0MW)
Zhuhai Gas and Electricity (102.0MW)
Shenzhen-Shantou (2,000.0MW)
Qingyuan Wind (50.0MW)
Huilai Wind (133.5MW)
Shantou Wind (29.3MW)
Shantou Chaonan Wind (145.9MW)
Shantou Haojiang Wind (18.0MW)
Yangjiang Wind (89.8MW)
Leizhou Wind (100.0MW)
Lianzhou Wind (345.0MW)
Qingyuan Qingxin Wind (109.0MW)
Xinfeng Wind (50.0MW)
Xuwen Wind (100.0MW)
Lianzhou Wind Phase II (50.0MW)
Longmen Wind (81.7MW)
Lufeng Wind (66.0MW)
Qingyuan Fogang Wind (224.2MW)
Xinyi Wind (39.0MW)
Yangjiang Wind Phase II (45.5MW)
Fogang Wind Phase II (50.0MW)
Qingyuan PV (65.5MW)
Zhaoqing PV (85.3MW)
Qingyuan PV Phase II (100.8MW)
Gaozhou PV (2.3MW)
Yunfu Yunan PV (144.7MW)
Zhaoqing PV Phase II (83.3MW)
Yunfu Yunan PV Phase II (42.8MW)
Yingde PV (28.0MW)
Guangzhou Distributed PV (10.6MW)
Shenzhen Distributed PV (5.3MW)
Dongguan Distributed PV (1.9MW)
Qingyuan Distributed PV (5.7MW)
Gaozhou Distributed PV (4.5MW)
Guangzhou Conghua Distributed PV (1.6MW)
Heyuan Distributed PV (12.0MW)
Huizhou Distributed PV (13.4MW)
Jiangmen Distributed PV (2.1MW)
Lianjiang Distributed PV (3.4MW)
Yangjiang Yangchun Distributed PV (15.0MW)
Yunfu Yun'an Distributed PV (8.3MW)
Zhaoqing Distributed PV (29.7MW)
Zhuhai Distributed PV (10.0MW)

Hubei Province

Xiantao (1,320.0MW)
Yichang (700.0MW)
Hubei (2,000.0MW)
Dangyang Wind (37.5MW)
Guangshui Wind (182.3MW)
Hong'an Wind (150.0MW)
Jingshan Wind (300.0MW)
Qianjiang Wind (225.0MW)
Shayang Wind (100.0MW)
Xiantao Wind (100.0MW)
Yicheng Wind (217.8MW)
Zaoyang Wind (181.3MW)
Zhongxiang Wind (70.0MW)
Zaoyang Wind Phase II (40.0MW)
Suixian Tianhekou Wind (634.8MW)
Suizhou Wind (49.8MW)
Suizhou Fengming Wind (76.5MW)
Yingcheng Wind (467.5MW)
Yicheng Wind Phase II (75.0MW)
Chibi PV (491.8MW)
Qianjiang PV (100.0MW)
Xiantao PV (400.0MW)
Xiaochang PV (200.0MW)
Yangxin PV (70.0MW)
Chibi Distributed PV (2.8MW)
Qianjiang Distributed PV (1.7MW)
Ezhou Distributed PV (27.4MW)
Hong'an Distributed PV (0.9MW)
Wuhan Distributed PV (1.4MW)
Yichang Distributed PV (1.0MW)

Hebei Province

Cangzhou (660.0MW)
Binhai New Area (700.0MW)
Cangzhou Yundong (700.0MW)
Caofeidian (2,600.0MW)
Tangshan Fengrun (700.0MW)
Chengde Weichang Wind (246.0MW)
Handan Wind (130.0MW)
Linzhang Wind (50.0MW)
Raoyang Wind (20.0MW)
Fucheng Wind (60.0MW)
Mulan Weichang Wind (506.3MW)
Zhangbei Wind (50.5MW)
Qinhuangdao Wind (100.0MW)
Caofeidian PV (506.0MW)
Cangzhou Distributed PV (0.5MW)
Cangzhou Runtou Distrubuted PV (5.1MW)
Langfang Distributed PV (5.5MW)
Caofeidian Distributed PV (3.3MW)
Qinhuangdao Shanhaiguan District Distributed PV (0.5MW)
Tangshan Fengnan District Distributed PV (2.6MW)
Caofeidian Distributed PV Phase II (11.4MW)

Shandong Province

Heze (1,200.0MW)
Juancheng Wind (99.0MW)
Haiyang Wind (300.0MW)
Juxian Wind (50.0MW)
Penglai Daliuxing Wind (49.8MW)
Penglai Daxindian Wind (49.8MW)
Qingdao Wind (134.0MW)
Weihai Wind (50.0MW)
Weihai Huancui Wind (50.0MW)
Wulian Wind (50.0MW)
Yantai Wind (48.0MW)
Yantai Penglai Wind (46.6MW)
Feixian Wind (119.4MW)
Jiaozhou Wind (28.4MW)
Linyi Wind (86.0MW)
Zibo Wind (38.0MW)
Texas Wind (150.0MW)
Dongfang Wind (100.0MW)
Heze Wind (100.0MW)
Juxian Wind Phase II (50.0MW)
Linyi Wind Phase II (80.0MW)
Qingdao Wind Phase II (50.0MW)
Rizhao Wind (48.6MW)
Wulian Wind Phase II (50.0MW)
Yucheng Wind (100.0MW)
Jining Wind (49.5MW)
Zoucheng Wind (44.0MW)
Qingdao Wind Phase III (50.0MW)
Xiajin Wind (50.0MW)
Juancheng Guangrun Wind (50.0MW)
Juncheng Shangyuan Wind (50.0MW)
Dongying PV (974.7MW)
Longkou PV (100.0MW)
Linyi Distributed PV (8.5MW)
Jining Distributed PV (5.4MW)
Haiyang Distributed PV (2.4MW)
Juancheng Distributed PV (10.2MW)
Qingdao Distributed PV (10.2MW)

Inner Mongolia Autonomous Region

Xilingol (1,320.0MW)
Dengkou (600.0MW)
Jingneng Wujianfang (1,320.0MW)
Manzhouli Wind (49.5MW)
Bayinxile Wind (198.0MW)
Abag Banner Wind (500.0MW)
Alxa Wind (200.0MW)
Bayannur Wind (100.0MW)
Ordos Wind (200.0MW)
Hangjin Banner Wind (100.0MW)
Manzhouli Wind Phase II (49.5MW)
Taipusi Banner Wind (320.0MW)
Ulanqab Hongmu Wind (49.5MW)
Xilinhot Wind (200.0MW)
Zhengxiangbai Banner Wind (225.0MW)
Dengkou PV (140.0MW)
Baotou Distributed PV (6.1MW)
Dengkou Distributed PV (3.5MW)

1. The installed capacity shown is the calibre of the manageable grid-connected.

Liaoning Province

Jinzhou (1,320.0MW)
Panjin (700.0MW)
Shenyang (700.0MW)
Shenyang Thermal (600.0MW)
Fuxin Wind (99.0MW)
Fuxin Wind Phase II (97.5MW)
Jianping Wind (99.0MW)
Chaoyang Wind (500.0MW)
Beipiao Wind (240.1MW)
Faku Wind (200.0MW)
Jinzhou Wind (48.0MW)
Linghai Wind (90.0MW)
Shenyang Liaozhong Wind (150.0MW)
Jinzhou Distributed PV (1.8MW)
Jinzhou Distributed PV Phase II (4.2MW)
Faku Distributed PV (1.0MW)
Huludao Distributed PV (3.7MW)

Guangxi Zhuang Autonomous Region

Hezhou (2,000.0MW)
Beiliu Wind (46.2MW)
Cangwu Wind (50.0MW)
Cangwu Wind Phase II (50.0MW)
Nanning Wind (20.0MW)
Tiandong Wind (100.0MW)
Xiangzhou Wind (50.0MW)
Xiangzhou Wind Phase II (50.0MW)
Yulin Wind (84.0MW)
Cenxi Wind (70.0MW)
Rongxian Wind (130.0MW)
Tengxian Wind (275.0MW)
Tianlin Wind (200.0MW)
Hezhou Wind (80.0MW)
Baise PV (110.0MW)
Nanning PV (416.2MW)
Hezhou PV (38.9MW)
Guangxi Distributed PV (49.5MW)
Hezhou Distributed PV (33.5MW)

Zhejiang Province

Wenzhou (2,030.0MW)
Wenzhou Telluride (660.0MW)
Cangnan Wind (400.0MW)
Daishan PV (201.4MW)
Wencheng PV (23.0MW)
Wenzhou Distributed PV (2.1MW)
Zhejiang Distributed PV (6.1MW)

Guizhou Province

Guizhou Liuzhi (1,320.0MW)
Kaili Wind (50.0MW)
Jianhe Wind (182.0MW)
Jinping Wind (35.1MW)
Liping Wind (353.1MW)
Wangmo Wind (147.2MW)
Zunyi Bozhou Wind (48.0MW)
Guizhou Distributed PV (4.9MW)

Shanxi Province

Ningwu (700.0MW)
Datang Wind (198.0MW)
Datong Guangling Wind (99.0MW)
Datong Yanggao Wind (129.0MW)
Guxian Wind (19.5MW)
Linfen Wind (114.4MW)
Taiyuan Wind (50.0MW)
Wuzhai Wind (50.0MW)
Xinzhou Wind (190.0MW)
Xinrong Wind (60.0MW)
Zhongyang Wind (220.0MW)
Datong PV (20.0MW)
Fenxi PV (29.5MW)
Linfen PV (30.0MW)
Puxian PV (36.0MW)
Xiangning PV (35.0MW)
Xinrong PV (50.0MW)
Lanxian PV (30.0MW)
Ningwu Distributed PV (2.3MW)

Hunan Province

Liyujiang (600.0MW)
Lianyuan (600.0MW)
Hunan (1,300.0MW)
Linwu Wind (68.0MW)
Zixing PV (60.0MW)
Zixing Distributed PV (7.6MW)
Zixing Distributed PV Phase II (2.6MW)
Zixing Distributed PV Phase III (0.2MW)
Loudi Distributed PV (4.8MW)
Wugang Distributed PV (5.6MW)
Chenzhou Beihu Distributed PV (3.7MW)
Jiahe Distributed PV (0.8MW)

Anhui Province

Fuyang (2,600.0MW)
Dingyuan Wind (25.0MW)
Dingyuan Wind Phase II (50.0MW)
Fengyang Wind (30.8MW)
Mengcheng Wind (50.0MW)
Mengcheng Wind Phase II (100.0MW)
Suixi Wind (130.0MW)
Mingguang Wind (50.0MW)
Zhoulai Wind (200.0MW)
Lingbi Wind (50.0MW)
Chizhou PV (46.0MW)
Huoshan Distributed PV (18.0MW)
Chizhou Distributed PV (5.1MW)
Huaiyuan Distributed PV (1.2MW)
Lu'an Distributed PV (5.1MW)
Huaibei Distributed PV (5.9MW)

Ningxia Hui Autonomous Region

Zhongwei Wind (50.0MW)
Haiyuan Wind (710.0MW)
Wuzhong Wind (58.8MW)
Haiyuan PV (220.0MW)
Shizuishan PV (20.0MW)
Zhongning PV (350.0MW)
Ningxia PV (50.0MW)
Ningxia PV Phase II (50.0MW)
Zhongning PV (200.0MW)
Huinong District Distributed PV (1.0MW)

Gansu Province

Changle (2,000.0MW)
Subei Wind (200.0MW)
Guazhou Wind (501.0MW)
Huachi Wind (50.0MW)
Huanxian Wind (50.0MW)
Jinchang Wind (100.0MW)
Zhangye Wind (400.0MW)
Guazhou PV (50.0MW)
Yongdeng PV (480.0MW)

Heilongjiang Province

Jiamusi Wind (43.5MW)
Fujin Wind (125.0MW)
Anda PV (120.0MW)
Tailai PV (20.0MW)

Shaanxi Province

Dingbian Wind (50.0MW)
Tongguan Wind (69.4MW)
Baoji Wind (200.0MW)
Weinan Wind (161.3MW)
Yan'an Wind (100.0MW)
Dingbian PV (50.0MW)
Shaanxi Distributed PV (5.7MW)
Yanchuan Distributed PV (1.0MW)

Yunnan Province

Honghe Hydropower (210.0MW)
Yiliang Wind (80.0MW)
Kunming Xishan PV (70.0MW)
Shilin PV (120.0MW)
Yiliang PV (345.0MW)
Yimen PV (10.0MW)
Yulong PV (120.0MW)
Midu PV (20.0MW)
Zhaotong PV (20.0MW)
Yiliang Distributed PV (13.1MW)
Yimen Distributed PV (4.7MW)
Zhenkang Distributed PV (3.9MW)

Sichuan Province

Yazuihe Hydropower (260.0MW)
Yuexi Wind (211.1MW)
Heishui PV (30.0MW)
Chengdu Distributed PV (4.8MW)

Jiangxi Province

De'an Wind (70.0MW)
Dingnan Wind (70.0MW)
Ganzhou Nankang Wind (64.0MW)
Ruichang Wind (36.0MW)
Xiajiang Wind (132.0MW)
Fuzhou Dongxiang District PV (156.8MW)
Guangchang PV (74.2MW)

Fujian Province

Longyan Wind (48.0MW)
Minqing Wind (30.0MW)
Changting Wind (46.0MW)
Fuqing Distributed PV (7.0MW)
Fujian Distributed PV (14.3MW)
Fuzhou Distributed PV (8.1MW)
Putian Distributed PV (12.5MW)
Shaowu Distributed PV (19.1MW)
Zhangzhou Distributed PV (0.9MW)

Beijing

Beijing Thermal (150.0MW)
Beijing Huaguang Distributed PV (2.4MW)

Qinghai Province

Dachaidan Wind (250.0MW)
Republican Wind (150.0MW)
Golmud PV (200.0MW)
Delingha PV (20.0MW)
Qinghai PV (100.0MW)

Xizang Autonomous Region

Jiangzi PV (20.0MW)

Jilin Province

Da'an Wind (100.0MW)
Nong'an Wind (40.0MW)
Anda Distributed PV (0.7MW)

Hainan Province

Haikou Distributed PV (1.3MW)

Shanghai

Shanghai Gas (2.4MW)

Chongqing

Chongqing Energy (2,792.6MW)
Chongqing Wind (62.5MW)

Tianjin

Baodi Wind (60.0MW)
Qingzhifeng Wind (51.5MW)
Tianjin Distributed PV (2.5MW)

2024 Top 10 Events in

The year 2024 is a key year in the "14th Five-Year Plan" journey. Under the strong leadership of the Party Committee of the Group, CR Power has implemented the annual theme of "learning from benchmarks, stabilizing growth, and striving for excellence", focused on the mid-term review objectives of the "14th Five-Year Plan", calibrated the strategic course, clarified business priorities, deepened its primary responsibilities and businesses, and continued to clarify new responsibilities and goals for the new period. All work has been steadily promoted, all indicators have been continuously optimized, and remarkable results have been achieved in high-quality development. The ten most representative major events have been selected to show the Company's annual work results and record its development process.

01

CR Power's Xinjiang business developed at accelerated speeds

In 2024, CR Power's regional business in Xinjiang showed a accelerated development situation. Xinjiang Region was established to be responsible for managing thermal power, renewable energy, and other related businesses in Xinjiang; Hami Santanghu 1-million-kilowatt wind power generation project, Hetian 400,000-kilowatt photovoltaic power generation project (Luopu Phase II), Hetian Pishan 400,000-kilowatt photovoltaic project with full capacity grid-connected power generation; Xinjiang Tianshan Northern Foothills New Energy Base 4-million-kilowatt wind and solar project started construction. CR Power's vigorous development of Xinjiang business is our vivid practice of resolutely implementing and responding to China's major development strategies. It is a decisive action to actively react to industrial assistance to Xinjiang and fully demonstrate the responsibility of CR Power as a central SOE. We will help optimize and upgrade the regional energy structure, accelerate the transformation of clean and low-carbon energy, and make positive contributions to better building a beautiful Xinjiang in the process of Chinese modernization.

The construction of the coal-fired power project of the "Xinjiang Power to Chongqing" supporting power supply base has been fully promoted

06

CR Power carried out high-quality Party discipline learning and education

CR Power regarded the study and education of Party discipline as a major political task in 2024, with systematic planning, careful organization, and comprehensive coverage. During the period of Party discipline learning and education, CPC committees at all levels carried out 144 Party discipline special central group studies, 105 expert counseling sessions, and 190 warning education sessions. The Party committee secretaries gave Party discipline classes 82 times. Party branches at all levels carried out 1,546 Party discipline special studies and 3,215 Party discipline special activities. Branch secretaries gave Party discipline classes 549 times, achieving full coverage of learning and education. Party discipline learning and education guides all Party members and cadres to learn, understand, comprehend, and observe discipline, forming a number of good experiences and practices. Over the past year, the achievements of Party discipline learning and education have continuously empowered our business development and provided assistance for promoting the high-quality development of the Company.

CR Power held Party discipline learning and education classes and the "July 1st" Theme Party Day activity

02

CR Power achieved breakthroughs in sci-tech innovation

In 2024, CR Power held the first working conference on sci-tech innovation and digitalization. For the first time, as a leading unit, it was approved by the National Key R&D Program to build the world's largest six-degree-of-freedom test platform. The Lianjiang Offshore Wind Power Project under construction, with the largest unit capacity in China, has been listed in the "Top 100 Projects" by SASAC. The world's first 100MWh intelligent string grid-connected energy storage system and two other technical equipment have been selected as the first (set) of equipment in China. CR Power won the first prize of the Group's scientific and technological achievements for the first time. As a new direction for the Company to continuously improve and create value, energy technology innovation plays a core role for us in achieving key technological breakthroughs, leading industrial innovation, and developing new quality productive forces.

Successful artificial short circuit test of 100MWh grid-constructed energy storage supporting the Santanghu Wind Power Project

03

CR Power completed the placement and raised HKD7.2 billion to strengthen capital operations

CR Power successfully completed the general and special placements on October 30 and December 16, 2024, respectively. The total equity funds raised in this placement reached HKD7.2 billion, which directly helped CR Power increase its cash reserve and repay its financial liabilities. The successful completion of this placement is an important manifestation of the Company's capital operation capabilities. It also lays a solid foundation for the Company's long-term development and demonstrates the confidence and recognition of the capital market in CR Power's future development.

CR Power completed general and special placements in October and December 2024

07

CR Power established a big operation management system

In November 2024, CR Power issued the *Operation Measures of CR Power on the Big Operation Management System* and the operation manual *Big Operation Management System (Abridged Edition)* to support the system. They are a summary of the big operation practice system in recent years and the crystallization of the collective wisdom of CR Power's operation work. The big operation work is based on the principles of "safe and stable supply, long-term stabilization, spot profit increase, service value-added", and the concept of "fine management to control costs and technology empowerment to improve efficiency". Effective methods and standardized tools have been formed, which have improved the Company's business planning capabilities, enhanced the effectiveness of operational organizations, gradually built the Company's characteristic operating core capabilities, and enhanced the Company's competitiveness.

CR Power held the 2025 Big Operation Strategy Seminar

08

CR Power West-I Mine & Coal Preparation Plant Project passed completion acceptance

Since the joint trial operation was started in November 2022, CR Power Mengdong Company West-I Mine has completed six special acceptances, namely single project quality certification, occupational disease prevention facilities acceptance, water conservation facilities acceptance, environmental protection acceptance, fire fighting facilities acceptance, and safety facilities acceptance. The project has completed a total of 155 unit projects, with a completion rate of 100%. On December 28, 2024, the West-I Mine & Coal Preparation Plant project passed the completion acceptance. The completion acceptance marks the successful completion of the mine construction of West-I Mine, China Resources Group's only coal mine project. It lays a solid foundation and takes a key step toward the subsequent application of safety production licenses and the full commissioning of the mine.

Panorama of West-I Mine

04

CR Power won multiple international, regional, and ESG honors

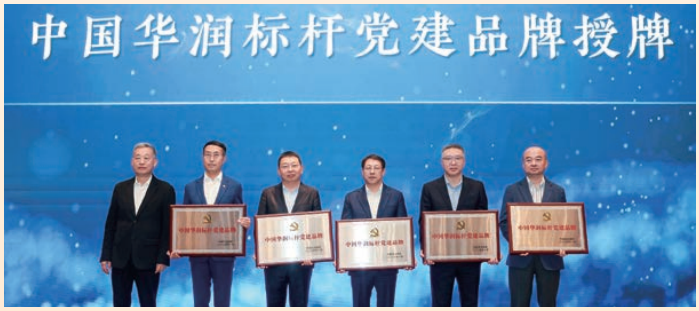
In 2024, CR Power won seven Asian Energy Awards, a record high in recent years. It also received 14 Hong Kong Green Enterprise Awards and was awarded the Bloomberg Businessweek/Chinese Edition 2024 Listed Company Honor and Best Performance Award. In the field of ESG, CR Power won first place in the "Central Enterprises ESG Pioneer 100 Index", CCTV's "China ESG Listed Companies Pioneer 100" list issued by the State-owned Assets Supervision and Administration Commission of the State Council, "China ESG Listed Companies Pioneer 50 in Greater Bay Area", and Hong Kong Corporate Environmental, Social and Governance Excellence Award 2024 by the Chamber of Commerce for Listed Companies.

CR Power won multiple honors

05

CR Power made solid achievements in promoting the construction of Party building brand and benchmarking base

In 2024, CR Power launched the acceptance of its first batch of founding units of Party building benchmarking bases and the selection of excellent Party building brand cases. Eight units successfully passed the acceptance and awarding of Party building benchmark bases and started creating the second batch of 12 Party building benchmark bases. Another 20 units were rated as excellent Party building brand cases, and one unit was rated as the Group's benchmark Party building brand. The excellent experience of Party building benchmark base and Party building brand creation work has been compiled into the Party Building Practice Case Collection of CR Power and promoted throughout the Company. The establishment of Party building benchmarking bases and brands has continuously led community Party organizations at all levels to explore and practice the deep integration of Party building work with central work, providing a number of models that can be replicated and promoted for Party organizations at all levels. This initiative has strongly supported the comprehensive progress and overall excellence of community Party organizations.



CR Power Jinzhou Company's "Jinxiu Zhizhou" Party building brand won the Group's benchmarking Party building brand

09

The first national standard for intelligent power plants in the thermal power industry, led by CR Power, was officially released and implemented

On October 26, 2024, with the approval of the State Administration for Market Regulation (Standardization Administration of the People's Republic of China), the first national standard for smart power plants in the thermal power industry *Technical Requirements for Smart Thermal Power Plant* (GB/T 44770-2024) was officially issued and implemented. The preparation of this standard was hosted by the CR Power Technology Research Institute and jointly compiled by 22 energy group subsidiaries, research institutes, and equipment manufacturers. This standard has undergone in-depth research, repeated demonstrations, and discussions for optimization. It actively builds industry consensus and provides comprehensive technical guidance for the planning, design, construction, commissioning, acceptance, maintenance, and evaluation of smart thermal power plants. It provides clear and feasible path guidance for smart thermal power plants to continuously introduce digital and intelligent technologies and transform them into new quality productive forces in power generation. Besides, this standard fills the gap in technical standards for thermal power plants in the field of intelligence and provides key technical support for promoting the digital transformation and intelligent construction of China's thermal power industry. This standard is in the international standardization process.

CR Power took the lead in preparing the first national standard for intelligent power plants in the thermal power industry

10

China Resources Chibi Rural Revitalization Demonstration Zone achieved initial results

In September 2024, the rice and other agricultural products grown under the photovoltaic panels of the CR Power Chibi Riyao 350MW Fishery-Solar Hybrid photovoltaic Power Generation Project achieved a bountiful harvest. The dual benefits of agriculture and photovoltaics increased the regional output value per mu from RMB1,300 to RMB28,500. The first phase of the modern agriculture project was completed, and professional agricultural companies were introduced for cooperative operation. This turned 2,900 mu of general arable land in the photovoltaic area into a "rice-shrimp-duck" interactive base. The Riyao Project is CR Power's first "PV+" project that combines "PV+ecological governance+ecological breeding+modern agriculture". It is a new exploration of CR Power in the fields of "PV+" and rural revitalization. It will promote rural industrial revitalization and economic development and increase people's income and wealth.

Chibi Riyao 350MW Fishery-Solar Hybrid photovoltaic Power Generation Project

Key Performance in 2024

Environmental Performance

Renewable energy attributable grid-connected installed capacity:

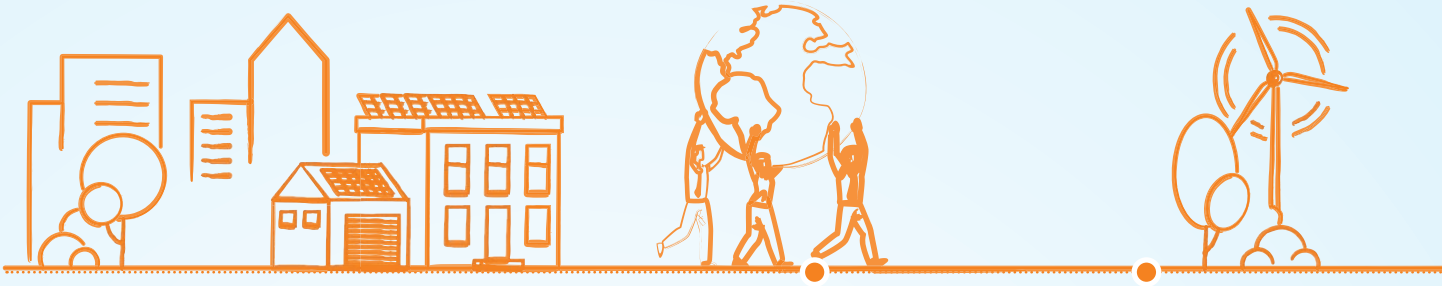
34,188 MW

Total investment in environmental protection:

RMB 1.45 billion

Investment in energy-saving and emission-reduction technology transformation:

RMB 1.23 billion



Social Performance

Investment in workplace safety:

RMB 1,013.39 million

Total number of employees:

21,849

Economic Performance

Total assets:

HKD 362.46 billion

Turnover:

HKD 105.28 billion

Standard coal consumption for power supply:

295.9 g/kWh

Sulfur dioxide emission rate:

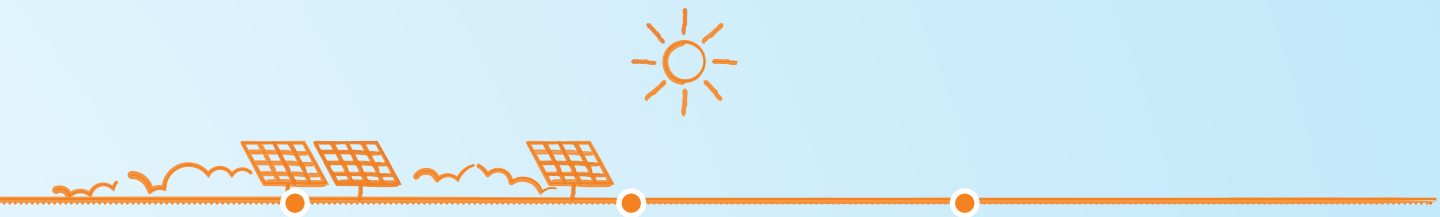
0.07 g/kWh

Smoke emission rate:

0.01 g/kWh

Nitrogen oxides emission rate:

0.12 g/kWh



Charitable donations:

RMB51.17 million

New graduates employed:

649

Total tax paid:

RMB8.42 billion

Net generation volume of subsidiary power plants:

207,637 GWh

Grid-connected attributable generation capacity:

72,433 MW

Profit attributable to owners of the Company:

HKD14.39 billion

Core profit contribution from renewable energy projects:

HKD9.23 billion

Sustainable Development Management

CR Power continues to deepen its awareness of social responsibility and has established a sound and effective sustainable development management system and mechanism. It deeply integrates the concept of sustainable development with corporate governance and operation, continuously enriches sustainable development practices and actions, strengthens communication and exchanges with stakeholders, and makes unremitting efforts for sustained and healthy economic and social development.

Sustainable Development Management System

CR Power continues to improve the four-level social responsibility/ sustainable development governance structure, providing a solid organizational guarantee for sustainable development.

Statement of the Board of Directors

As the highest responsible body for the Company's sustainable development matters, the Board of Directors deeply realizes the importance of sustainable development work to the Company's long-term value realization, fully assumes the responsibility for CR Power's sustainable development, and coordinates, leads, oversees, and makes decisions on the Company's ESG management and major issues. It identifies, evaluates, and manages substantial ESG risks related to the Company's business; regularly receives reports from the Sustainable Development Committee and other relevant management; reviews and approves the Company's sustainable development reports and other ESG management policies.

The Company has, as required by the Main Board Listing Rules of the HKEx, set key ESG targets covering but not limited to greenhouse gas emissions, pollutant emissions, and resource consumption. The Board of Directors has reviewed and discussed the setting of those targets and will regularly examine progress in the achievement of relevant targets.

Responsibility Concept

The Company takes "empowering green development and creating a low-carbon life together" as its enterprise mission. To maximize the aggregate economic, social, and environmental benefits, the Company has built a social responsibility management model and formulated, implemented, and continuously improved the *CR Power Social Responsibility Program Management Standards*, integrating the concept of sustainable development into the Company's strategic planning, corporate governance, and business operations in an all-round way. All of these contributed to the Company's vision of "becoming a world-class clean energy supplier and integrated energy service provider" and its comprehensive, balanced, and sustainable development.

Governance Structure

CR Power has a four-level social responsibility/sustainability governance structure composed of the Leadership Team, the Guidance Team, the Coordination Team, and the Implementation Team, which in practice forms a closed-loop management system covering decision-making, communication, actual implementation, and reporting and assessment. It aims to strengthen the Company's sustainable development ability and promote the standardized and systematic development of sustainable development work.

The Board of Directors established the Sustainability Committee in 2012 to assist the Board of Directors in supervising and managing the implementation of the Company's sustainable development policies and measures, review and advise the Board of Directors on sustainable development-related policies and performance, and properly manage the Company's sustainable development risks. In 2024, a total of 12 issues of CR Power Monthly Public Sentiment and Social Responsibility Reports were submitted to the Board of Directors. One Sustainability Committee meeting was held with the Company's management participated to give full play to the Sustainability Committee's supervision and governance effectiveness.

Governance Structure		Main Responsibilities
Leadership Team	Sustainability Committee	• Reviewing CR Power's sustainable development goals and plans and overseeing the implementation of such goals and plans; • Assessing CR Power's adequacy of resources, compliance, and effectiveness of procedures in environment, health, and safety (EHS); • Assessing the risks and opportunities faced by CR Power in fulfilling social responsibility and sustainable development; • Reviewing CR Power's performance in EHS, social responsibility, and sustainable development; • Assessing how CR Power differs from its domestic and foreign peers in sustainability policies and performance; • Assessing the impact of CR Power's business on employees, third parties, local communities, and corporate reputation; and • Reviewing CR Power's annual sustainable development reports and causing the Senior Management to take specific actions to ensure the accuracy, completeness, and continuous improvement of such reports.
Guidance Team	Social Responsibility Steering Commission	• Studying CR Power's strategies for social responsibility programs; • Studying and approving CR Power strategic plans, major rules, and annual plans and reports on social responsibility; and • Studying and approving CR Power's major issues on social responsibility.
Coordination Team	Administrative Office of Headquarters	• Preparing CR Power's medium- and long-term plans on social responsibility; facilitating the implementation of CR Power strategic and annual plans on social responsibility, and major resolutions of the Sustainability Committee under the Board of Directors and the Social Responsibility Steering Committee; • Organizing the preparation of CR Power's annual sustainable development reports; • Developing sound rules and indicator systems for CR Power's social responsibility programs; conducting performance assessment; organizing best practice recognition programs; • Guiding subsidiaries' social responsibility efforts and promoting social responsibility initiatives; • Organizing studies, training, communications, and other day-to-day management affairs concerning CR Power's social responsibility programs; • Overseeing corporate governance, information disclosure, media relations, brand management, poverty alleviation, public welfare, and other work; and • Regularly updating the Sustainability Committee under the Board of Directors on CR Power's social responsibility achievements.
Implementation Team	departments and offices of the headquarters; subsidiaries in major regions, regional companies, directly controlled units, and Chongqing Energy Investment Group	• Identifying the heads and points of contact for social responsibility programs and being responsible for supervising and advancing such programs in line with their functions; accepting the guidance and performance evaluation of the Company on social responsibility programs; • Making social responsibility plans as delegated by regional companies; promoting responsibility integration; introducing innovative responsibility practices; and enhancing responsibility performance capacity; • Submitting information on social responsibility reports as required by the Company; and • Broadcasting their social responsibility achievements and performance, and strengthening communication with stakeholders.

Managing Performance

Under the guidance of the Sustainability Committee, we have formulated an ESG management practice plan to coordinate sustainable development work and promote the continuous improvement of the sustainable development management level. We have disclosed detailed sustainable development management methods and practical achievements, actively responded to issues of concern to the public and the market, and strengthened communication and exchanges with stakeholders.

In 2024, by outstanding sustainable development practices, we ranked first among the "Central Enterprises ESG Pioneer 100 Index" constituents selected by the SASAC and the China Social Responsibility 100 Forum (CSR Forum). We also won first place in the list of "China ESG Listed Company Pioneer 100" jointly released by the Financial Program Center of China Media Group, SASAC, All-China Federation of Industry and Commerce, Institute of Economics of Chinese Academy of Social Sciences, and China Enterprise Reform and Development Society and first place in the list of "China ESG Listed Companies Pioneer 50 in Greater Bay Area".

In addition, we won the honorary title of "2024 ESG Golden Bull Award for Pioneer Enterprises" issued by China Social Responsibility 100 Forum and the Responsibility Cloud Research Institute, the "Hong Kong Corporate Governance and ESG Excellence Award" jointly selected by the Chamber of Hong Kong Listed Companies and the Centre for Corporate Governance and Financial Policy of Hong Kong Baptist University, and the awards of "Greater China Corporate Sustainability Index 2023 Model", "the Second Asia-Pacific Sustainable Development Index Model", "Guangdong-Hong Kong-Macao Greater Bay Area Corporate Sustainability Index 2023 Model", and "Hong Kong Corporate Sustainability Index 2023 Model" issued by the Centre for Business Sustainability of the Chinese University of Hong Kong.

In the capital market, we have been selected as a constituent of the Hang Seng Corporate Sustainability Benchmark Index and the Hang Seng ESG 50 Index for five consecutive years, with an MSCI ESG rating of BBB.

In addition, we actively communicated with all sectors of society to jointly promote sustainable development. In 2024, the Chairman of the Board of Directors was invited to attend the "ESG China Forum 2024 Guangzhou Summit" and delivered a keynote speech on "Move Towards New Directions for a Better Future", introducing the Company's sustainable development management and practical experience.

Stakeholder Engagement

CR Power attaches importance to communication with stakeholders and has built effective communication mechanisms and diversified communication channels, listened to the opinions and suggestions of all parties, and protected the rights of stakeholders to know and participate. Besides, we have integrated stakeholders' expectations and concerns into our corporate strategy and operation management, continuously optimizing and improving the sustainable development management of the Company, enhancing the trust and cooperation between stakeholders and CR Power, and working together with stakeholders to move towards sustainable development.

Stakeholders	Main Concerns	Engagement Methods	Responses
Government and regulators	• Legal and regulatory compliance • Work safety and environmental protection • Economic development promotion • Paying taxes by law • Job creation • Corporate stability	• Formulating internal policies • Strategic cooperation • Information submission • Work reports • Statistics reports	• We continued to optimize the "general supervision" and system and carry out special supervision in response to the high integrity risks in renewable energy construction and rural revitalization • Published more than 207 articles on integrity in media, such as "Integrity of CR Power" • Complied with national environmental standards • Implemented classified policies to support employment for groups such as ex-service-people, migrant workers, and Hong Kong youth • Investment in workplace safety: RMB1,013.39 million
Shareholders and investors	• Corporate governance • ESG performance • Performance growth • Dividend distribution • Investor relations • Stock performance • Carbon emission reduction goal and plan	• Shareholder's meetings • Information disclosure • Email and telephone inquiries • On-site visits • Roadshows • One-on-one meetings	• Formulated the *Management Measures for Investor Relations of CR Power* and revised and improved it in due course • Organized and participated in more than 90 investor meetings, with nearly 2,300 people connected
Employees	• Legitimate rights and interests • Compensation and benefits • Career development • Training • Occupational health and working environment • Employee care	• Employee representative meetings • Employee suggestions • Intranet and public-facing websites • Seminars, networking, and other activities	• Ensured 100% labor contract signing rate and social security coverage rate • Employee training investment reached RMB26.76 million • Hired 1,159 employees, including 649 campus recruits and 510 social recruits
Customers	• Supply of safe and stable electricity, heat, and cold energy • Customer services • Clean energy	• Agreements/ contracts • Customer meetings • Satisfaction surveys • Customer care activities	• 7,226 customer satisfaction survey samples were sent, and the customer satisfaction increased to 90.4% • Deepened the development and utilization of clean energy resources, and actively carried out integrated energy businesses such as distributed power supply, electric energy storage, charging piles, energy conservation and carbon reduction services, and energy efficiency management
Partners	• Contract compliance and mutual trust • Equal and long-term cooperation • Mutual benefits	• High-level meetings • Agreements/ contracts • Product services	• Achieved a 100% certification rate for the quality, environment, and occupational health and safety management system for suppliers • Conducted annual evaluation for 8,938 suppliers, with an excellent rate of about 97%
Communities and environment	• Environmental protection • Safety and stability • Harmonious community • Charity programs • Public relations	• Philanthropic events • Community building	• 6,297 tons of carbon dioxide captured using the CCUS technology • Completed green electricity transactions of 6.74 billion kWh • Public welfare and charity investment reached RMB51.17 million
Media and NGOs	• Information disclosure • Interaction with media • Contribution to NGOs • Impact on sustainable development	• Activity organization • On-site visits • Information disclosure	• Actively deepened cooperation with local governments and scientific research institutions to expand business fields

Management of Materiality Issues

We continued to improve the identification and assessment process of sustainable development issues. We also comprehensively and accurately learned about the concerns and expectations of internal and external stakeholders on CR Power's sustainable development work. The analysis results of the important issues not only guided CR Power's sustainable development information disclosure but also provided an important reference for CR Power's future sustainable development management.

Step I Formation of materiality issues database

By comprehensively considering policy trends, corporate development, disclosure standards, capital market, and peer benchmark, and based on the existing list of materiality issues, the Company identified and classified the current year's materiality issues and formed a database for materiality issues.

- **Policy trend analysis:** The Company tracked national macro policies, conducted in-depth research on national and provincial policies and regulations, and analyzed sustainability trends of the energy and power industries in light of policies and regulations governing such industries.
- **Corporate development plan:** The Company identified key issues significant to CR Power's strategic goals as per the strategic development plans and annual business plans of China Resources Group and CR Power.
- **Disclosure standard analysis:** Comprehensively refer to GRI standards, the United Nations Sustainable Development Goals (SDGs), Climate Change-related Financial Disclosure (TCFD), China Enterprise Reform and Development Society and Responsibility Cloud Research Institute's "China Corporate Social Responsibility Reporting Guidelines (CASS-ESG 6.0)", Hong Kong Stock Exchange's "Environmental, Social and Governance Reporting Code", and other standards to grasp the latest sustainable development issue standards and information disclosure requirements.
- **Capital market analysis:** The Company formed a capital market information database and summarized capital market concerns by reference to the MSCI ESG Ratings, Hang Seng Corporate Sustainability Index, Dow Jones Sustainability Indices (DJSI), and Sustainability Accounting Standards Board (SASB) Standards related to the sustainability management of the power sector to form a library of issues.
- **Peer benchmark analysis:** The Company conducted benchmark analysis on sustainable development reports of leading domestic and foreign peers to identify and determine key issues of concern to the power sector and how stakeholders respond to such issues.

Step II Stakeholder survey

Based on the above analyses, the Company identified 30 issues that have a material impact on CR Power, including 12 environmental issues, 12 social issues, and 6 governance issues. It invited internal and external stakeholders via an online questionnaire to evaluate the materiality of the 30 issues from their perspective and comment on CR Power's existing sustainability strategies, performance, reporting methods, and disclosure quality.

In 2024, the stakeholder survey covered CR Power's directors, senior managers, employees, investors/shareholders, partners, suppliers, media, the public, government agencies, and regulators.

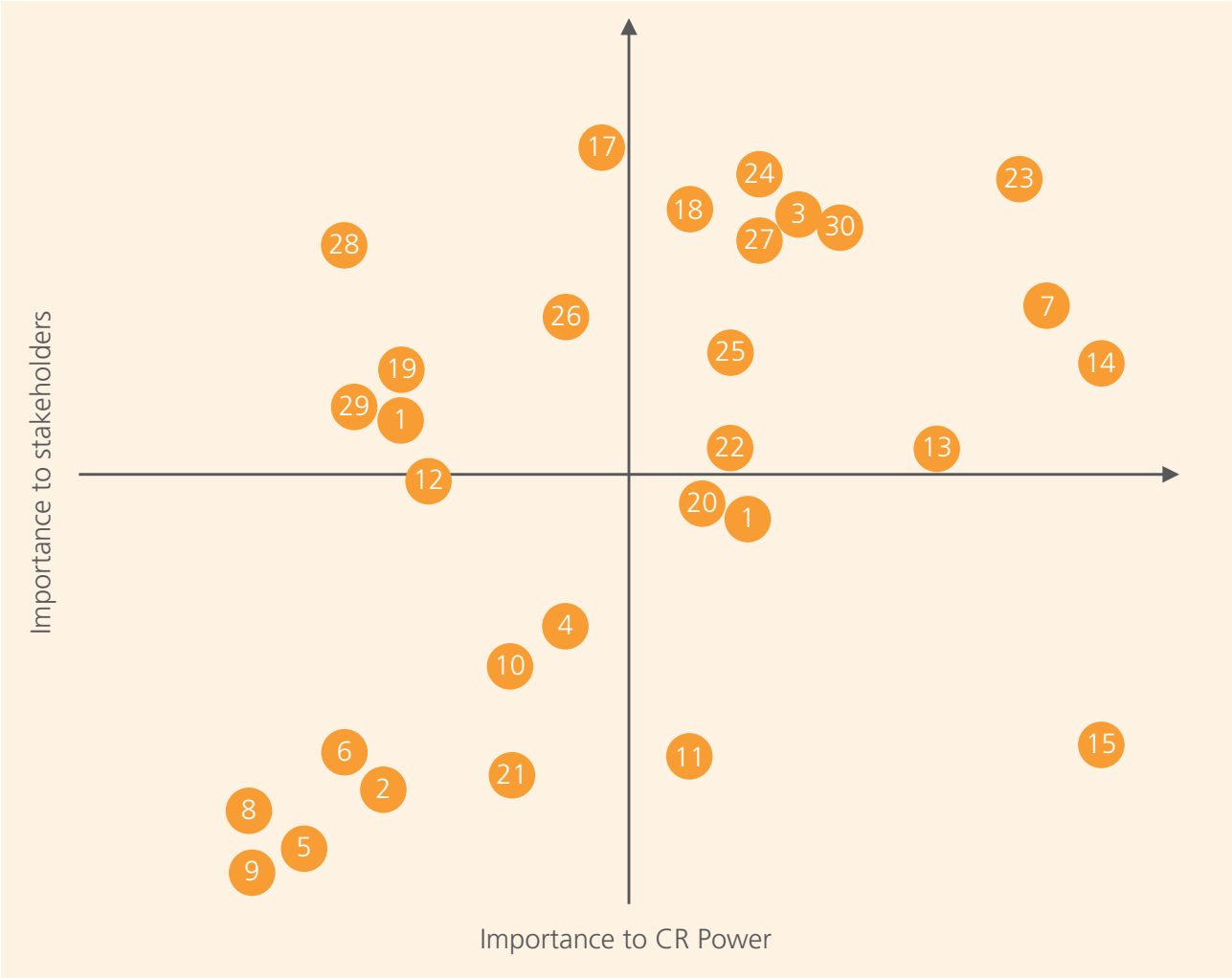
Step III Analysis and review of materiality issues

The Company has collected and analyzed the scores and assigned risk-based weightings to the issues. It has then formed a two-dimensional representation of each issue's materiality for stakeholders and corporate development. Internal management and external experts reviewed the screening and analysis results.

Step IV Responses to and disclosure of materiality issues

The Company has formulated and implemented an action plan for material issues and prioritized responses to and disclosure of such issues in a report.

Substantive Issue Matrix of CR Power's 2024 Sustainable Development Report

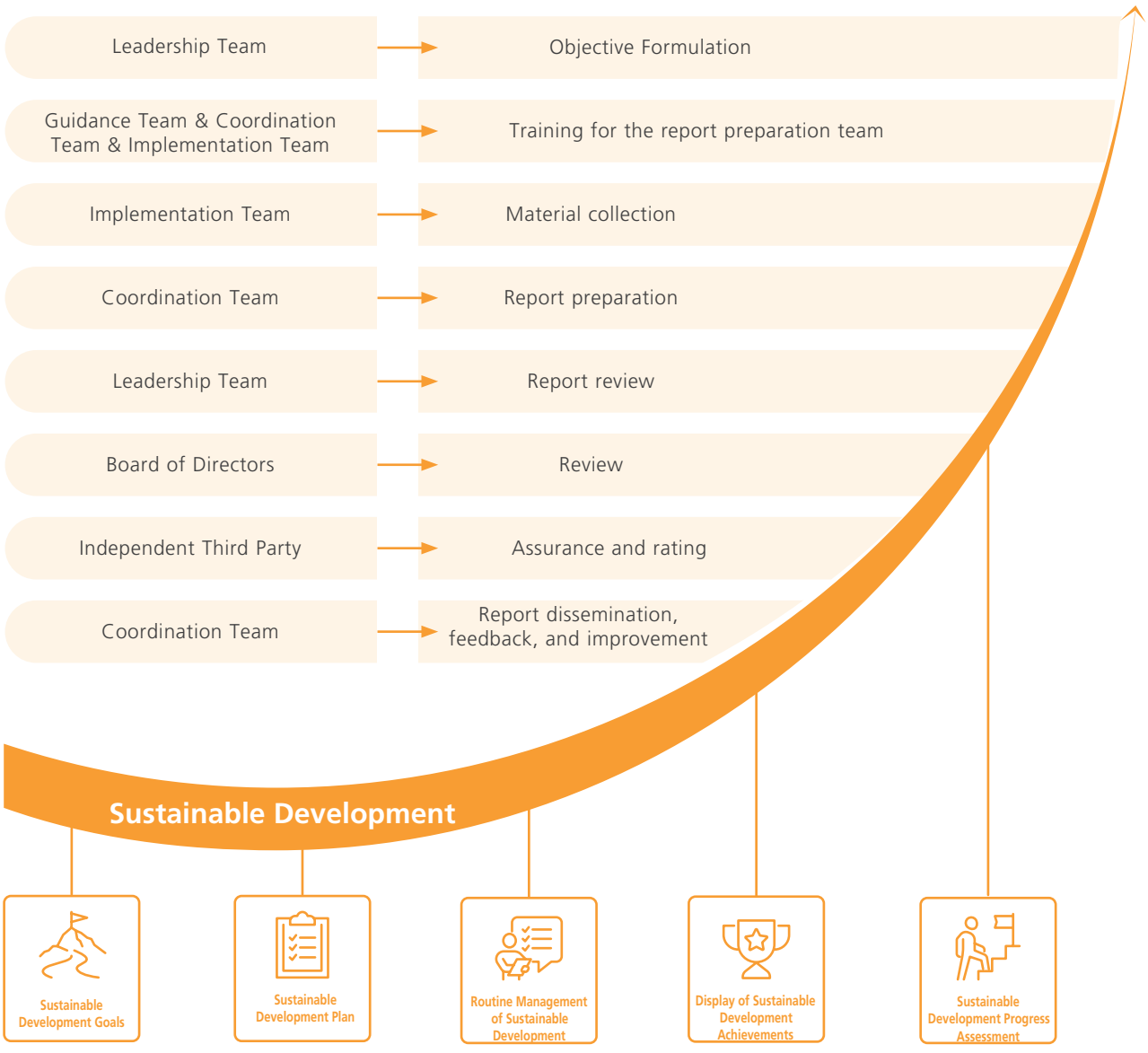


S/N	Topic	S/N	Topic	S/N	Topic
1	Deepening of "carbon peaking and carbon neutrality" strategy	11	Environmental protection technology	21	Community service and charity
2	Carbon asset management	12	Green supply chain construction	22	Contributing to rural revitalization
3	Integrated energy services	13	Work safety and occupational health	23	Technological innovation and transformation development
4	Reduction of emission of waste gas pollutants	14	Employee training and development	24	Industry cooperation and progress
5	Disposal and utilization of wastes	15	Employees' rights and interests and care for employees	25	Sustainable development plan
6	Comprehensive utilization of water resources	16	Supply chain management	26	Compliance operation and risk management
7	Development of clean energy	17	Optimize customer service	27	Response to national policies
8	Biodiversity protection	18	Provision of safe and stable electric heat energy	28	Protecting shareholders' rights and interests
9	Response to climate change risks	19	Intellectual property protection	29	Maintenance of market environment
10	Environmental control and compliance	20	Data security and customer privacy protection	30	Anti-corruption

Report Preparation Process

The Company took the Sustainable Development Report as a carrier to present a comprehensive, objective, and detailed presentation of its sustainability philosophy, practices, and performance to all stakeholders to improve their awareness of and trust in the Company's sustainable development work. To this end, the Company's Board of Directors engaged with management and implementation personnel at all levels in the preparation of its annual sustainable development reports and tasked them with corresponding responsibilities.

Before the preparation of a report, the Guidance Team trained the Coordination Team and Implementation Team according to the requirements, goals, and responsibility allocation plan set by the Leadership Team. The Implementation Team then collected and submitted reporting materials, based on which the Coordination Team prepared a report and coordinated data assurance and report rating with an independent third party. Following the completion of the report, the Leadership Team reviewed its contents and submitted it to the Board of Directors for final approval. After the report was released, the Coordination Team organized the promotion and dissemination of the report and collected comments from stakeholders to improve CR Power's sustainable development programs further.



Special Topic:

Creating First-Class, Empowering High-Quality, and Promoting Sustainable Development for the World

CR Power has actively responded to the national call and implemented a new round of deepening and upgrading actions for the SOE reform. Through measures such as accelerating the layout of strategic emerging industries, enhancing sci-tech innovation capabilities, and implementing the "four reshapings", it has continuously enhanced its core functions and improved its core competitiveness, striding towards the goal of "becoming a world-class clean energy supplier and integrated energy service provider" and moving towards a new stage of high-quality development.

Focusing on Emerging Industries and Promoting Green Transformation

CR Power has followed the requirements of deepening and upgrading the reform of SOEs by "focusing on the development of main businesses and strategic new business, making every effort to promote the transformation and upgrading of traditional industries, cultivating and growing emerging kinetic energy, and creating stronger industrial competitiveness and control power". Under the guidance of China's "carbon peaking and carbon neutrality goals", multiple measures have been taken simultaneously to accelerate the layout of the new energy industry, vigorously develop clean energy, and realize the Company's green transformation.

Deepening the Planning and Layout of Strategic Emerging Industries

We have set up a leadership team and a working group for the mid-term review to comprehensively review the implementation of the first half of the "14th Five-Year Plan" and organize the revision of the mid-term review plan of the strategic plan. We have optimized the connotation of "1237" overall strategy through special subject research, action learning seminar, and other forms, clarified the development ideas and key measures of three primary businesses: clean and efficient power generation, integrated energy services, and energy science and technology innovation. In addition, we have strengthened our insight into the trends of the new energy industry and regional market, continued to do a good job in medium- and long-term strategic resource reserve and echelon development, and promoted the high-quality development of new energy.

CR Power held the 2nd seminar on the mid-term review of the "Fourteenth Five-Year Plan" strategy

Optimizing the Allocation of Offshore Wind Power Resources

In the competition for offshore wind power projects in Guangdong, we have worked hard to overcome difficulties such as complex competition work, tight timelines, strong and large number of competitors, capitalized on the competitive advantages of the Group's diversified business, and created cooperation plans with CR Power's characteristics such as "offshore wind power + marine ranching", "international wind power city", and "international wind power innovation port" according to local conditions, achieving a breakthrough from zero in the offshore wind power business in Guangdong Province. We have then laid a solid foundation for the Company's clean energy business to develop towards base and scale.

Anemometer tower of the Yangjiang Sanshandao Fourth Offshore Wind Power Project

Promoting the Green Development of Local Industries

In Liangshan Prefecture, Sichuan Province, we have deeply aligned the local government's strategic plan to build a whole industrial chain of traditional Chinese medicine. Focusing on the "three major issues" of resources and energy, characteristic agriculture, and cultural tourism in Liangshan Prefecture, we have carefully planned the scheme of "Whole Industrial Chain of Traditional Chinese Medicine and Renewable Energy Power Generation in Liangshan Prefecture" and successfully obtained the first batch of million-kilowatt renewable energy projects there. In addition, we have cooperated with CR Sanjiu to systematically analyze the key issued in the coordinated development of the whole industrial chain of traditional Chinese medicine and new energy power generation projects in Liangshan Prefecture, synchronously built a traditional Chinese medicine planting and breeding base on the land for photovoltaic power industry, created a green intelligent manufacturing base for traditional Chinese medicine, broadened the development idea of new energy industry, and promoted the green and low-carbon transformation of local industries.

Medicine-Solar Hybrid photovoltaic Power Generation Project co-developed with CR Sanjiu in Liangshan Prefecture

Continuing to Strengthen Core Technology Research and Accelerating the Construction of a New Power System

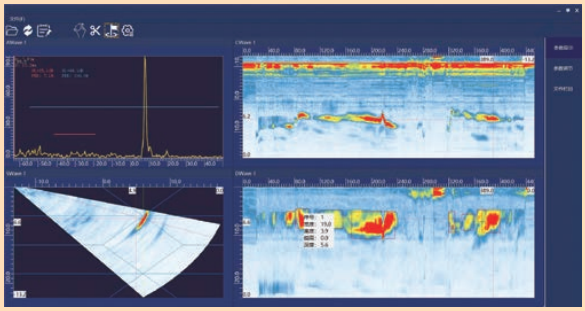
Under the national goal of "carbon peak and carbon neutrality", the power industry faces profound changes in "building a new power system with renewable energy as the main body". CR Power has continued to carry out technological innovation and tackle difficult problems from the hot spots, difficulties, and pain points of the industry.

Given the potential safety hazards existing in the process of infrastructure construction, operation, and maintenance of thermal power and renewable energy generation units. We aim to improve equipment reliability. We have carried out a series of innovative research focusing on three aspects: "standardization of detection during the infrastructure construction and maintenance stages of power generation units", "intelligent monitoring during the operation stage of power generation units", and "digitalization of life cycle management of power generation units". A number of innovative and breakthrough scientific research results have been launched, which have effectively improved the safety and reliability of equipment throughout its life cycle. A set of technical routes for improving the safety and reliability of power generation equipment that are easy to replicate, can be promoted, and cover the entire process has been formed, making positive contributions to accelerating the construction of a new power system.

Case

Intelligent detection system for power generation equipment

In the stage of infrastructure construction and maintenance of power generator units, a series of intelligent testing equipment and systems have been developed by combining phased array testing technology with artificial intelligence technology to solve the existing problems of non-standard implementation of equipment testing process and evaluation of test results, so as to realize standardized testing of equipment and automatic evaluation of test results, ensure timely and accurate detection of equipment defects, and provide standard data support for health evaluation of equipment.



Phased array ultrasonic data defect signal automatic identification system

Case

Digital system for maintenance management of power generation units

In view of the fact that there are many types of generator set equipment and complicated maintenance items, we have set up a digital system for generator set maintenance management, a decision-making model for generator set maintenance, and an equipment maintenance management system to realize digital management in the whole life cycle stages of infrastructure construction, operation and maintenance of power generation units which have significantly improved the efficiency of equipment operation and maintenance.

Intelligent phased array detection of turbine blades

Implementing the "Four Reshapings" and Adhering to Reform Empowerment

Since joining China Resources Group, Chongqing Energy Investment Group, a subsidiary of CR Power, has taken "value reshaping, business reshaping, organization reshaping, and spirit reshaping" as the methodology, intensely promoting the "three battles" of stopping losses, creating value in operation, and seeking transformation and development through strategic focus, business optimization, management upgrading, and cultural empowerment, fully integrated its development into the Company's transformation and development trend, and made new and more remarkable contributions to CR Power's vision of "becoming a world-class clean energy supplier and integrated energy service provider".

Fully promoting the "Four Reshapings"

- **Deeply promoting value reshaping and making strategic goals clearer:** We have thoroughly studied the strategic positioning and functional role from a higher position, striving to expand Chongqing Energy Investment Group into a platform for CR Power to serve the development of the Chengdu-Chongqing Twin Cities Economic Circle and promote the solidification and optimization of the central SOE integration demonstrator and the primary energy supply guarantee platform in Chongqing.

- **Deepening business reshaping to strengthen development momentum:** We have sorted out the existing industry classification, clarified the development path of transformation and upgrading of traditional industries, insisted on expanding and strengthening the "two major businesses", resolutely and orderly disposed of and withdrew from "two non-traditional" and "two capital", and continuously eliminated sources of losses.

- **Deeply promoting organizational reshaping and improving the management model:** We have practiced the concept of "everything for business, everything serving business, everything supporting business", further optimizing the two-level control model of "headquarters-professional subsidiaries". The headquarter departments are responsible for "leading, development, service, overseeing", while the subsidiaries focus on "shouldering main responsibilities for specific business, doing solid work for performance". Through this effort, management efficiency has continued to improve.

- **Deeply promoting the spirit of reshaping and making employee morale higher:** We have fully integrated into the Group's culture, actively inherited its red genes, carried out special publicity around "three major battles", "four reconstructions", "strengthening the foundation and striving for innovation", etc., further consolidating the ideological consensus of employees on "loving the energy business, integrating with the Group, and fighting for the future".

Employee speech contest and union commendation activities by Chongqing Energy Investment Group

Making every efforts to tackle the "three major battles"

- **Going all out for the battle to stop losses.** By cleaning up "zombie" and "shell" companies, exiting non-energy businesses, and revitalizing idle assets, 154 companies exited by the end of 2024, resulting in an annual reduction of nearly RMB200 million in losses; the revitalization of assets generated RMB548 million in revenue. A "one enterprise, one policy" exit mechanism has been simultaneously established to coordinate government resources to solve difficulties and promote the matchmaking of more than 50 intended investors.

- **Going all out for the battle to ensure smooth operation and maintain the value.** By implementing the "large-scale operation and refined control" strategy, we have realized a marginal contribution of RMB1.124 billion for electricity generation and RMB986 million for electrolytic aluminum. Through price increases for higher revenues, incremental expansion, cost reduction, and efficiency improvement, we have achieved an operating value of RMB249 million. We have comprehensively promoted the 5C value financial management system to enhance the financial operation quality and value creation capability. The financial value created in 2024 reached RMB 306 million.

- **Going all out for the battle for transformation and development.** We are accelerating the construction of the "Xinjiang Power into Chongqing" project, ensuring that it is synchronized with the bipolar low-end direct current transmission project by June 15, 2025. Additionally, we are actively following up on research regarding power delivery from Xizang and Northwest China to Chongqing, striving to provide strong energy support for the construction of the Chengdu-Chongqing economic circle. Besides, we focus on the renewable energy sector, we have secured 642,500 kilowatts of renewable energy permits within the city and signed agreements for 2.4 million kilowatts. We have built three energy storage power stations with a grid-connected capacity of 5.1 megawatts and put 12 charging stations with a total of 203 terminals into operation.

Clean and Low-Carbon, Working towards Sustainable Electricity

Governance

CR Power has integrated the green development concept into its production and operation, established a sound environmental management system, strengthened the control of environmental impact, risks, and opportunities, and practiced its commitment to ecological protection.

- In terms of its organizational structure, the EHS organizational structure has been continuously improved. The EHS Committee is responsible for decision-making and supervision of environmental matters, and comprehensively coordinates the formulation of environmental goals, policies, medium – and long-term plans, annual plans, assessment methods, etc.; an EHS Committee Office is set up to be responsible for the specific implementation of work and ensure the effective implementation of ecological and environmental protection.
- In terms of system construction, a series of systems such as the *Environmental Protection Management System* have been formulated, covering ecological environment protection, energy conservation and emission reduction; policies such as the *Research Report of Action Plan for Carbon Emissions Peak and Carbon Neutrality* and *Management Measures for Carbon Assets* have been issued to clarify the "carbon peaking and carbon neutrality goals" and action plans.

Strategy

We are committed to avoiding or reducing the impact of our production and operation on the environment to the greatest extent. We have also implemented ecological environmental protection through aspects such as energy conservation and carbon reduction, pollution control, circular economy, and compliance audit.

- We have actively responded to climate change, carried out climate scenario analyses, identified the impact of major climate risks on the Company's business, and formulated climate action plans.
- We have deepened the development and utilization of clean energy resources, and actively carried out integrated energy businesses such as distributed power supply, electric energy storage, charging piles, energy conservation and carbon reduction services, and energy efficiency management.
- We have devoted ourselves to the innovative application of low-carbon and environmental protection technologies and continuously increased the R&D of green technologies.
- We have promoted energy-saving technology and equipment transformation, reduced the emission of "three wastes", and promoted resource recycling and efficient utilization.
- We have established and improved the environmental management system and regularly carried out environmental compliance risk investigation and rectification.

Risk management

As global attention to climate change and environmental protection grows, the Company is under increasing pressure to promote renewable energy development, reduce carbon emissions, and manage environmental pollution. Although CR Power has made some achievements in clean energy investment and green transformation of its power structure, further reducing unit coal consumption, improving resource utilization efficiency, and reducing environmental pollution while maintaining business growth is still a key issue that needs to be solved urgently.

Key indicators

Renewable energy attributable grid-connected installed capacity was **34,188** MW accounting for **47.2** %

The investment in energy-saving and emission reduction technology transformation is RMB **1.226** billion

114 centralized public charging stations have been put into operation with a total charging power of **65** MW

321 green electricity users have been contracted with **6.74** billion kWh of green electricity transactions completed

33 operating coal-fired power plants have achieved "zero discharge" of wastewater

The total area of re-greening land is about **9,449.04** mu

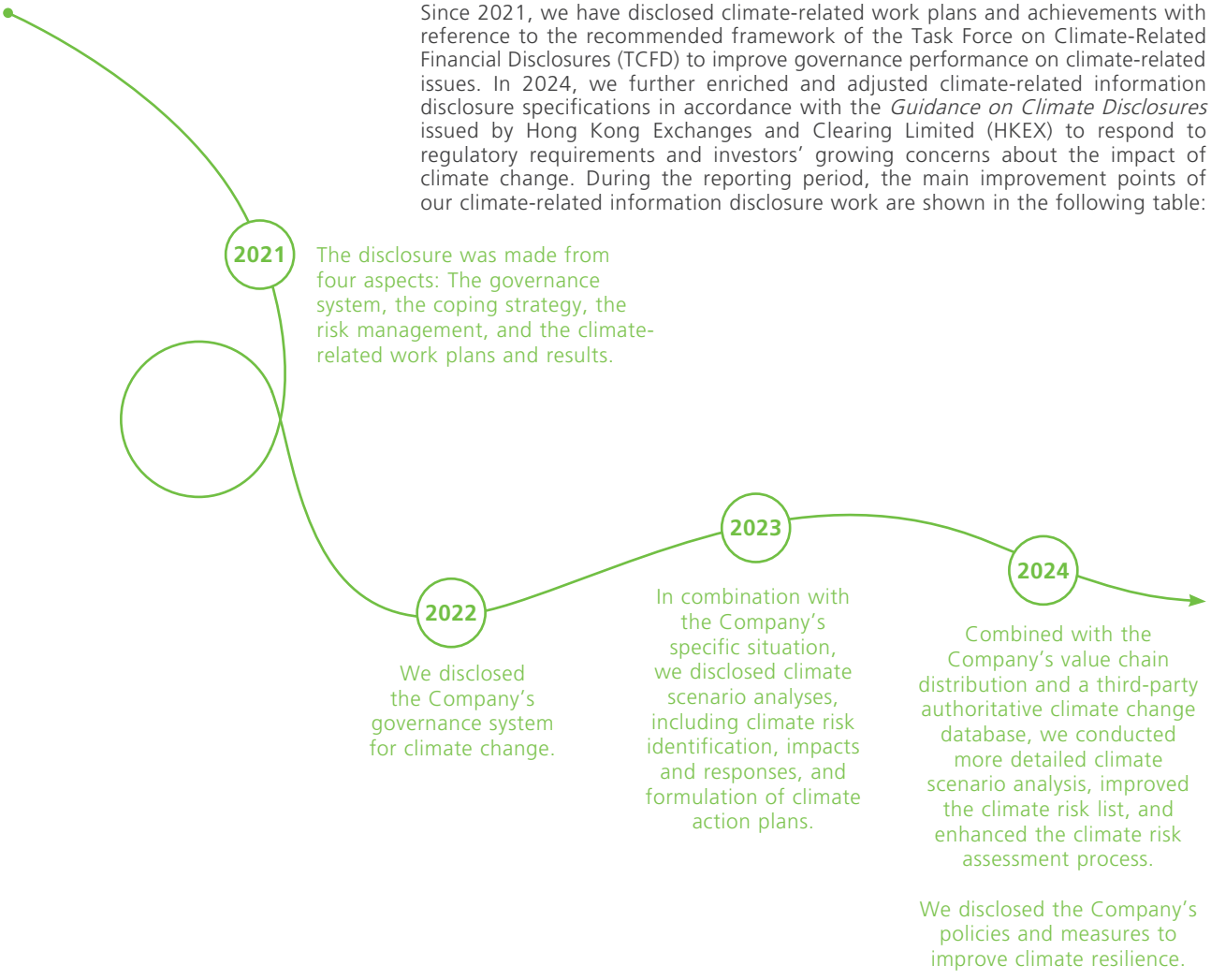
SDGs

Enhancing Climate Action

CR Power has actively responded to the national "carbon peaking and carbon neutrality goals" and formulated a systematic implementation path: In the renewable energy field, it has focused on the dual-core layout of "Eastern Economic Belt + Three Norths (Northern, Northeastern, and Northwestern China) and Southwest Clean Energy Base", accelerated the construction of large-scale wind and solar base projects, and planned to achieve the grid-connected installed capacity proportion of renewable energy of more than 50% by 2025; in the traditional coal power field, through the technological innovation of "three transformations", flexibility transformation and efficiency improvement projects have been implemented to promote the transformation of coal power to a strategic positioning that emphasizes both "basic support and system regulation", and to build a new power system support system. Relying on the CCUS demonstration platform and industry-university-research cooperation foundation of Shenshan Company, we have improved the carbon capture technology research and development system; based on the technologies of sludge gasification and green hydrogen (offshore wind power) preparation, we have built a demonstration base for "low-carbon methanol production via integrated organic solid waste gasification coupled with green hydrogen generation". At the same time, we have created an intelligent full-cycle power system through digital empowerment. In terms of collaborative management of the "carbon peaking and carbon neutrality" strategy, we have deeply embedded low-carbon goals into the Company's strategy, operation, and innovation system, strengthened the ability to coordinate carbon assets and funds, and relied on China Resources Group's diversified business collaboration to create a characteristic low-carbon transformation model.

Climate Action Program Process

Since 2021, we have disclosed climate-related work plans and achievements with reference to the recommended framework of the Task Force on Climate-Related Financial Disclosures (TCFD) to improve governance performance on climate-related issues. In 2024, we further enriched and adjusted climate-related information disclosure specifications in accordance with the *Guidance on Climate Disclosures* issued by Hong Kong Exchanges and Clearing Limited (HKEX) to respond to regulatory requirements and investors' growing concerns about the impact of climate change. During the reporting period, the main improvement points of our climate-related information disclosure work are shown in the following table:



Governance

Climate change governance

The Company's Board of Directors has a Sustainability Committee to manage climate change-related matters directly. The committee consists of three directors, most of whom are independent non-executive directors. As the core decision-making level of climate governance, the main responsibilities of the committee encompass: Assisting the Board of Directors in reviewing and approving sustainable development strategies and policies addressing climate change; supervising the Company's measures and performance goals on climate change; evaluating and managing climate-related risks and opportunities; holding meetings at least once a year on climate-related issues and reporting them to the Board of Directors for deliberation regularly. The Sustainability Committee reviews its membership and terms of reference annually. If there are any changes, it will promptly recommend them to the Board of Directors.

To ensure that the senior management team is accountable for achieving climate goals, the Company has included climate-related indicators (such as the proportion of renewable energy attributable generation capacity, new renewable energy grid-connected capacity, power supply carbon emission intensity, etc.) as key performance indicators (KPI) in the senior management team's performance contracts and directly linked them to performance appraisals. The Company conducts performance appraisals based on actual completion, and the appraisal policy covers all business units to assist the Company in evaluating the effectiveness of climate strategies.

The Company's climate governance structure is consistent with the sustainable development governance structure. For specific governance processes, please refer to the governance structure content in the chapter on "Sustainable Development Management System".

Strategy

Climate risk identification process and financial impact determination

In order to improve the standardization and strategic synergy of climate risk management, during the reporting year, we focused on promoting the optimization of climate risk identification mechanisms under the framework of the *Guidance on Climate Disclosures*. By integrating the risk assessment results of this year and excerpting climate-related risks, a special list of climate risks has been formed, covering industrial chain risks, physical risks, transition risks, and environmental protection risks, which have been included in normalized monitoring as secondary risks of production safety management. Led by the Law-based Enterprise Management, Risk Control, and Compliance Management Committee, the Legal Compliance Department has worked with various risk management departments such as the Operation Management Department, Finance Department, Human Resources Department, Legal Compliance Department, Environmental Health and Safety Department, and Science, Technology and Digitalization Department to build a major risk event reporting mechanism. We have set a major risk financial impact threshold (i.e., causing major asset losses of RMB50 million or more), linked climate scenario analysis with major risk assessment, and reported climate-related risks qualified as major risks in a timely manner, striving to achieve early detection, early reporting, and early disposal of major risks. This year, extreme weather events did not cause significant asset losses to CR Power, and the events did not constitute a major operating risk for the Company. Besides, we further evaluated the time range of risk impacts and their potential financial impacts based on last year's situation.

CR Power Climate Risk Identification Process

Impacts of climate-related risks on the value chain of the power industry

Our identification of climate risks in the power industry has run through the entire industrial chain:

upstream

The upstream raw material supply and equipment manufacturing links have faced the risk of supply chain disruptions caused by extreme weather and cost pressures brought about by low-carbon transformation policies;

midstream

The midstream power production and transmission and distribution links need to deal with the fluctuations in power generation efficiency, rising equipment maintenance costs, and risks of grid operation stability, all of which are caused by extreme weather;

downstream

The downstream distribution network and market service links have been vulnerable to the physical damage of facilities caused by climate disasters and the restructuring of pricing methods caused by policy adjustments.

By systematically sorting out the manifestations of climate risks in each link of the industrial chain, the subsequent lists of climate entity risks and transition risks have refined the above-identified industrial chain risks, providing basic support for financial risk quantification and adaptive strategy formulation in each link of the industrial chain. The specific impact path is shown in the following table:

Classification of the value chain	Business activities involved in the value chain	Specific climate risks
Upstream (This stage involves the procurement and preparation of raw materials and resources required for power production)	**Raw materials and fuel supply:** Including the mining, transportation and processing of coal, natural gas or nuclear power fuel. For renewable energy power plants, the procurement of solar panels, wind turbines or biomass materials is involved	• Extreme weather may disrupt the fuel supply chain. Transition risks include policy changes and market shifts to clean energy • Water resources are critical, especially for thermal power plants and hydropower plants. This involves access to water rights and sustainable water management practices • Changes in drought and precipitation patterns may affect water availability
	Equipment manufacturing: Produce key components such as turbines, generators, boilers, etc. This stage also includes the manufacture of renewable energy technology products (such as solar panels and wind turbines)	• Extreme weather events and policy changes may affect the material supply chain
Midstream (This stage focuses on actual power production and initial transmission)	**Electricity production:** The core operation of converting fuel into electricity in thermal power plants (coal, gas, nuclear), renewable energy power plants (solar, wind, hydropower), and hybrid systems	• Physical risks such as extreme temperatures and storms may affect power plant operations. Transition risks include policy changes and competition from renewable energies
	Power plant operation and maintenance: Ensure efficient and reliable operation of the power plant, including regular maintenance, monitoring, and equipment upgrades, to improve performance and reduce downtime	• Maintenance costs may rise due to increasing extreme weather events
	Initial transmission of electricity: High-voltage transmission lines and substations transmit electricity from the power plant to the distribution network. These infrastructures must be able to withstand extreme weather events and other physical risks	• Storms, wildfires and other extreme weather events may cause damage
Downstream (This stage involves the distribution and consumption of power)	**Distribution network:** Deliver electricity to end users, including residential, commercial, and industrial customers. This stage also involves managing grid stability and integrating distributed energy resources	• Extreme weather may damage distribution infrastructure. Transition risks include integrating renewable energy and managing changes in demand patterns
	Retail and customer service: Manage customer relationships, billing, and service delivery, including providing energy efficiency programs and demand response services to optimize energy use	• The demand for energy efficiency and renewable energy solutions is increasing.
	Market demand and pricing: Understand and respond to changes in energy demand, and pricing is affected by economic conditions, technological advances, and policy changes	• The shift in demand towards clean energy and potential policy changes can affect pricing

Climate scenario analyses

To fully assess the impact of climate change on our business, we conducted an in-depth scenario analysis, referring to the Hong Kong Exchanges and Clearing Limited's *Guidance on Climate Disclosures*, and relying on *China's Fourth National Communication on Climate Change* and the scenario overview published by the United Nations' Intergovernmental Panel on Climate Change (IPCC), and the International Energy Agency (IEA). Based on the two paths of the turquoise scenario and brown scenario (SSP1-2.6 & SSP5-8.5), we analyzed climate entity risks and climate transition risks at key time points.

- Use of assessment tools: We formed a risk impact distribution map, with the Aqueduct Water Risk Atlas of the World Resources Institute (WRI) and the Climate Impact Explorer of Climate Analytics as assessment tools and with 2030, 2050, and 2080 as short-term, medium-term, and long-term time frames.

- Risk identification: We identified the impact of climate entity risks such as extremely high temperature, water stress, and extreme rainfall on the Company's operations, and formulated corresponding countermeasures.

We believe that this will provide an important basis for us to develop effective response strategies.

A. Physical risk scenarios

	Physical climate scenario	
	Turquoise scenario	**Brown scenario**
Reference source	IPCC	
Climate scenario	SSP1-2.6	SSP5-8.5
Assumptions and impacts	It assumes that carbon dioxide emissions will begin to decline by 2020 and reach zero by 2100. The world will gradually shift toward a more sustainable path as management of global public resources improves and investments in education and healthcare accelerate demographic transitions. Disparities between and within nations will diminish, and consumption patterns will be oriented toward low material growth with reduced resource and energy intensity.	Rapid economic growth and globalization driven by carbon-intensive energies, high energy demand, and dependence on fossil fuels will lead to a sharp rise in emissions. Education and technology will be invested heavily, but there will be a lack of strong institutions with global environmental concerns. Although socioeconomic growth will be rapid, technological progress will be slow. Effective emission reduction actions won't be taken, leading to catastrophic effects of climate change.
Expected to warm up by the end of the century	Below 2°C	Above 4°C
Time dimension	Short term: 2024-2030 Medium term: 2030-2050 Long term: 2050-2080	

Based on the results of the physical risk scenario analysis, we found that most of the Company's power generation assets were not exposed to risk-prone areas. In the turquoise scenario, extremely high temperatures and extreme rainfall have a relatively balanced and mild impact on most of CR Power's power plants in China's four major regions and will not rise or fall sharply over time, allowing the Company to update its extreme weather emergency plan by continuously accumulating similar experience.

In the brown scenario, although power plants in Central China, East China, South China, and North China may experience impacts similar to those in the turquoise scenario during the short-to-medium term (2030-2050), they will be severely affected by extremely high temperatures and extreme rainfall in the long term (2080), which will reduce the life of equipment and power generation efficiency. For water stress, power plants in Henan, Anhui, Beijing, Shanxi, Hebei, and Inner Mongolia will face higher risks in the short, medium, and long term, and the situation is similar under the turquoise scenario and brown scenario. Compared with high-latitude and low-latitude areas, the water resource pressure in the North China Plain is greater. CR Power will refer to historical drought weather events to prevent hydropower generation from being affected by the depletion of water sources in the Yangtze River Basin.

B. Transition risk scenarios

	Transition climate scenario	
	Turquoise scenario	**Brown scenario**
Reference source	IEA	
Climate scenario	Sustainable development scenario (NZE)	Established policy scenario (STEPS)
Assumptions and impacts	Clean energy technological innovations propel the global energy system's transition to low-carbon development, while synergistic policy support and market mechanisms accelerate the fossil fuel replacement process.	The government continues to implement the current policy; Energy demand continues to grow but the growth rate is restricted by energy efficiency improvement and policies; Many countries strengthen energy security measures to ensure stable energy supply.
Expected to warm up by the end of the century	Below 1.5°C	Above 2°C
Time dimension	Short term: 2024-2030 Medium term: 2031-2040 Long term: 2041-2050	

	Turquoise scenario	**Brown scenario**
Economic development	The world achieves an inclusive low-carbon transition, economic growth is significantly decoupled from carbon emission intensity, and energy efficiency improvements promote sustainable development.	Economic growth still relies on fossil fuels, energy efficiency improvements are slow, and carbon emission intensity reduction is limited. All of these factors result in extremely high greenhouse gas emissions before 2100, exacerbating extreme weather events.
Climate policies	Several countries have pledged to achieve net-zero carbon emissions by 2050, and they have set detailed targets and made action plans. China has promised to reach peak carbon emissions by 2030 and carbon neutrality by 2060.	Institutional, political, and economic barriers have led to a lack of new climate policies.
Energy development trend	The share of electricity in final energy consumption will rise from 20% in 2023 to 28% in 2030 and 55% in 2050. Overall, the installed capacity of renewable energy will exceed four times the 2023 level by 2030, with its contribution to total power generation reaching 67%; by 2050, the share will increase to 88%. The share of fossil fuel power generation in total power generation will decline from 70% in 2023 to 41% in 2030.	The share of fossil fuels in the global energy mix will decline from 80% this year to 77% in 2030 and 68% in 2050. Coal demand will peak in the next few years; natural gas demand will increase by about 5% between 2023 and 2030, after which it will stabilize; oil demand will peak in the mid-2030s before declining slightly thereafter; and nuclear energy's share in the energy mix will be essentially the same as today.
Policy implementation	The government implements strict policies to deal with climate change, and the implementation difficulty is low.	There is a lack of detailed plans and action programs to tackle climate change.
Economic driving force	The economic driving force rapidly transitions from fossil fuels to renewable energies.	A profit-driven business model forms, which fails to properly consider environmental and social impacts.
Commitment level	Enterprises are committed to contributing to national and regional climate action targets, with business partners working together to drive low-carbon operations.	Insufficient public awareness makes it difficult to implement corresponding climate policies and systems.
Carbon price level	The national carbon market price will reach USD200/ton in 2050.	The carbon price will remain at USD160/ton in 2050.

After comprehensively considering the IEA transition scenario (NZE/STEPS) and China's *Action Plan for Carbon Dioxide Peaking Before* 2030 and other policies, we have systematically studied and judged the risks of climate transition. Among them, policy and legal risks have the most pronounced impact on the Company, spanning both short-term and long-term horizons. With the strict control of coal consumption during the "14th Five-Year Plan" period and the advancement of total carbon emission control during the "15th Five-Year Plan" period, the revenue of traditional coal power business has faced significant downward pressure in the short term. Especially in the turquoise scenario, the risk of a coal power shutdown is high. Still, in the brown scenario, due to the flexibility of policy implementation on energy supply pressure in some regions, there are still new opportunities to develop the coal power business. In addition, the expansion of the national carbon market and external pressure from the EU's Carbon Border Adjustment Mechanism (CBAM) have driven carbon prices. Coupled with the refinement of green electricity trading rules, it is expected that compliance costs will rise significantly in the medium and long term, and the impact will be more prominent in the turquoise scenario.

Regarding technical risks, the main challenges are the technological transformation of the "three transformations" of existing coal power and the large-scale application of CCUS technology. In the short term, the coal power technology transformation will lead to a significant increase in R&D investment; CCUS technology faces greater long-term capital expenditure pressures due to its high costs, with its impacts ranked as high, especially under the turquoise scenario. Renewable energy's operating costs are relatively stable and controllable, and it can maintain its competitive edge in the market through management optimization. As a result, even in the turquoise scenario, the impact on operating expenses is expected to be small in the short term, with a low impact rating. In the brown scenario, the growth in installed renewable energy capacity is small and the impact rating is low.

Regarding market risks, the gradual tightening of national carbon market quotas and increased compliance pressure will lead to a significant increase in carbon trading costs in the medium and long term, with the rating of its impacts ranked as high, especially under the turquoise scenario. At the same time, coal power revenue has declined in the short term due to the "carbon peaking and carbon neutrality" policy, but it is expected that with the reform of capacity prices and the maturity of CCUS technology, long-term revenue will stabilize.

Despite the challenges, we have also captured significant transformation opportunities. The proportion of non-fossil energy consumption in China has increased to 19.7% (in 2024), the installed capacity of renewable energy has exceeded 1.8 billion kilowatts, and the installed capacity of renewable energy has accounted for 56% of the total installed capacity. The market-oriented reform of on-grid prices for renewable energy promoted by policies has provided broad space for the development of green electricity. We expect that the installed capacity of renewable energy will account for 50% in 2025, and we will adhere to wind power, centralized and distributed photovoltaic and accelerate the development of a large base of onshore renewable energy. In addition, the construction of CCUS test platform of Shenzhen-Shanwei Company will provide technical support for long-term decarbonization goals.

In general, we need to focus on high-risk areas such as coal power contraction, CCUS economic efficiency, and rising carbon prices. At the same time, we should seize the core opportunities of growing demand for renewable energy power, electrification in various industries, and integrated energy services, and achieve risk hedging through policy adaptation and technology cost reduction to consolidate our leading position in the industry.

Physical Risk List:

Risk name	Affected asset types	Impact in the turquoise scenario	Impact in the brown scenario
Extremely high temperatures	Wind power stations, photovoltaic stations, and coal-fired gas stations	• The impact of extremely high temperatures across different regions in the short, medium, and long term is relatively uniform, with a gradual increase in temperature. However, high-temperature environments can negatively affect equipment temperature, thereby reducing power generation efficiency; • Periodic heatwaves in North China, Southeast China, Central and Southern China, South China, and Xinjiang may lead to a surge in electricity demand, exerting pressure on coal-fired gas stations to maintain energy supply; • Hot and dry weather conditions elevate the risk of wildfires. Coal-fired gas pipelines in high-risk wildfire areas, such as forested and mountainous regions, may suffer damage, compromising their safe operation.	• In the short term, the impact of extreme high temperatures on various regions aligns with the turquoise scenario. However, in the long term, Central China, East China, and most parts of North China will face severe consequences, impairing the power generation and transmission efficiency of different asset types. For photovoltaic power stations, excessively high temperatures will accelerate the degradation and aging of photovoltaic modules at an exponential rate, leading to a reduction in photovoltaic power generation; • Prolonged periods of abnormal ultra-high pressure weather may cause a significant drop in offshore wind speeds, creating large-scale calm conditions. This lack of wind drive can hinder wind turbine operations and reduce wind power supply capacity.
Water Pressure	Hydropower stations, coal-fired gas stations	• A prolonged period of low rainfall will reduce hydropower generation, affecting the reliability of water storage-based power supply. This will, in turn, increase the demand for coal and natural gas, exacerbating supply constraints; • Regions such as Henan, Anhui, Beijing, Shanxi, Hebei, and Inner Mongolia, which consistently experience extremely high water pressure in the short, medium, and long term, may face challenges in securing adequate cooling water supply for power generation facilities.	• Compared with high- and low-latitude regions, mid-latitude areas experience more significant water resource pressure, with particularly severe conditions in the North China Plain. Both water-scarce regions in the west and high water-demand regions in the east are facing substantial water resource pressure; • In hydropower-rich provinces such as Sichuan, Yunnan, and Guizhou, drought conditions will severely impact reservoir systems in the Yangtze River Basin. The depletion of water sources will lead to a decline in hydropower generation.
Extreme rainfall	Wind power stations, hydropower stations, photovoltaic stations, and coal-fired gas stations	• Rainy weather can easily cause moisture, corrosion, or short circuits in the electrical components of photovoltaic power stations. When photovoltaic modules are covered by rainwater, the reduced light intensity lowers generation efficiency and disrupts the station's normal operations; • Excessive precipitation may lead to regional and periodic flooding in certain areas, such as East China and North China. A rapid rise in reservoir water levels threatens the safe operation of hydropower stations and may cause overflow in surrounding regions. A sudden increase in upstream base flow can reduce downstream outflow, thereby lowering hydropower generation efficiency.	• Compared with other regions in China, many areas in Central and East China – including Hubei, Hunan, Shanghai, Anhui, Jiangxi, and Shandong – face a higher long-term risk of extreme rainfall. Accumulated water may damage, loosen, or collapse infrastructure at wind power stations, photovoltaic stations, and coal-fired gas stations, thereby compromising the safety and efficiency of power generation. • Storm-induced silt, carried by water flow into reservoirs and power stations, may accumulate over time, reducing hydropower efficiency and increasing maintenance costs. Sediment on the surface of photovoltaic modules weakens the light absorption capacity of solar panels, leading to a decline in generation efficiency.

Affected items in the statements	Time horizon of impact			Degree of financial impact in the turquoise scenario	Degree of financial impact in the brown scenario	Countermeasures
	Short-term	Medium-term	Long-term			
• Increased operating expenses • Impairment of fixed assets • Decrease in income			✓	• Low	• Low	• Utilize technical means to improve capabilities in battery energy storage temperature safety management; • Develop emergency response plans for extreme weather, leveraging weather forecasts and other relevant information to strengthen the identification of potential hazards and ensure the safe operation of units and systems; • Reasonably adopt commercial insurance and other financial instruments to mitigate potential losses caused by extreme weather.
• Increased operating expenses • Decrease in income	✓	✓	✓	• Medium-low	• Medium-low	• Optimize and adjust the Company's development mode, promote the transformation of energy development, fully consider the impact of climate change when selecting sites for power generation projects, and enhance adaptability to climate change.
• Increased operating expenses • Impairment of fixed assets • Decrease in income	✓	✓	✓	• Low	• Low	• Develop emergency response plans for extreme weather, leveraging weather forecasts and other relevant information to strengthen the identification of potential hazards and ensure the safe operation of units and systems; • Reasonably adopt commercial insurance and other financial instruments to mitigate potential losses caused by extreme weather.

Transformation Risk List:

Types of climate risks		Risk description	Specific impact	Affected items in the statements
Transition Risks	Policies and Laws	• The proposal of national carbon peaking initiatives and the implementation of a carbon trading mechanism for enterprises subject to national emission control targets.	• Under relevant policies, action plans, and emission control requirements, the Company's overall development path must be adjusted. Subordinate units are required to adapt their development strategies in accordance with local policy guidelines, which may result in the contraction or transformation of certain traditional business sectors.	• Decrease in income
		• With the continued advancement of China's carbon peaking and carbon neutrality goals, both national and international policies and regulatory requirements are evolving.	• Differences in regional implementation of carbon peaking actions and dual-control policies on total and intensity of energy consumption, dynamic changes in carbon emission trading rules and quota pricing, evolving rules of green electricity trading, shifting development requirements for renewable energy projects, and increasing environmental constraints on project execution are all contributing to higher compliance costs and greater operational expenditures for enterprises;	• Increased operating expenses
	Technology	• The tightening requirements for clean and efficient retrofitting of existing coal-fired power plants have posed technological challenges.	• In emerging fields such as clean coal transformation, integration and utilization of renewable energy, energy storage, and hydrogen technologies, research and development (R&D) costs are rising significantly. To meet the demands of technological upgrades and energy structure transformation, the Company must increase R&D investment and strengthen its innovation capabilities.	• Increased research and development (R&D) investment
		• However, Carbon Capture, Utilization, and Storage (CCUS) technology currently suffers from poor economic efficiency.	• The overall cost of CCUS remains higher than the prevailing carbon price, providing limited financial incentives for installation. As a result, investment payback periods are extended, and large-scale deployment remains unfeasible in the short term. These technological challenges contribute to increased capital expenditure, posing additional financial pressure.	• Increase in capital expenditure
		• There are strict requirements for the stable grid integration and consumption of renewable energy projects.	• The prolonged grid-connection commissioning cycles of these projects further extend the investment payback period, adding to the financial uncertainty of renewable energy investments.	• Increased operating expenses
		• Local policies have been issued to require that renewable energy projects must be equipped with the corresponding proportion of energy storage, but there are still obstacles to the development of renewable energy storage technologies	• The construction costs of energy storage facilities are increasing. Uncertainty in technical pathways has resulted in energy storage system efficiency falling short of expectations, and the operation and maintenance (O&M) cost ratio has risen.	• Increased operating expenses

Time horizon of impact (Short, medium, and long term)			Degree of financial impact in the turquoise scenario	Degree of financial impact in the brown scenario	Countermeasures
Short-term	Medium-term	Long-term			
✓	✓	✓	• High	• Medium	• Guided by the Company's carbon peaking and carbon neutrality action plan, we aim to effectively achieve phased targets for renewable energy capacity installation and carbon intensity reduction; • The Company will regularly supervise and coordinate the progress of carbon peaking and carbon neutrality work of relevant holding departments, research institutes, regions and regional companies, and implement various carbon peaking and carbon neutrality goals and tasks.
✓	✓	✓	• High	• Medium	• To mitigate these impacts, the Company actively engages with local policy authorities, maintains close coordination with relevant ministries, industry associations, and planning and design institutions, and promptly tracks, interprets, and incorporates national policy updates into business planning and strategy.
✓	✓	✓	• High	• Medium	• Strict controls are placed on the expansion of new coal-fired power generation. New units are required to meet internationally advanced standards in coal consumption. The Company promotes the coordinated implementation of the "three transformations" (flexibility retrofitting, heat supply transformation, and capacity replacement) for coal power, which plays a vital supporting role in ensuring secure and stable energy substitution by renewable energy sources.
	✓	✓	• High	• Medium-high	• To address this, the Company is building a comprehensive, multi-threaded CCUS experimental platform covering small-scale testing, pilot demonstration, and large-scale application at the tens-of-thousands-ton level; • Leveraging this platform and through collaborative efforts between industry, academia, and research institutions, a robust R&D system is being developed to advance CCUS technology and drive iterative improvements, thereby reducing the cost of large-scale applications.
✓	✓	✓	• Medium	• Medium-low	• Actively promote the development of "renewable energy + energy storage" models, as well as integrated development approaches such as multi-energy complementarity and source-grid-load-storage systems; • Accelerate the construction of flexible regulating power sources and speed up the large-scale application of pumped storage and compressed air energy storage technologies.
✓	✓	✓	• High	• Medium	• Promote the orderly development of electrochemical energy storage through partnerships; in the field of long-duration electrochemical storage, collaborate with research institutions to accelerate the demonstration and promotion of renewable energy storage technologies; • Renewable energy projects are required to be equipped with extended peak-shaving capabilities. In regions with favorable solar resources, conduct early-stage demonstration studies of "solar thermal +" applications, such as "solar thermal + photovoltaic" or "solar thermal + photovoltaic + wind power".

Types of climate risks		Risk description	Specific impact	Affected items in the statements
Transition Risks	Technology	• There are still significant obstacles to the large-scale application of hydrogen energy technologies.	• The technical pathway for large-scale, low-cost green hydrogen remains unclear. Proton exchange membrane (PEM) hydrogen production is costly, and there is a lack of large-scale application of alkaline water electrolysis. Investment in R&D for hydrogen energy is expected to increase.	• Increased research and development (R&D) investment
	Market	• The share of electricity generation from coal-fired thermal power units has declined.	• The constraints on carbon emissions imposed by the carbon peaking and carbon neutrality goals have driven a gradual transformation in the role of coal-fired power units, shifting toward providing basic capacity support and system flexibility. Consequently, their available operating hours continue to decline, while operating costs rise.	• Decrease in income
		• The carbon peaking and carbon neutrality goals call for a substantial increase in the share of power generation from renewable energy sources.	• The investment and operating costs of renewable energy power generation technologies remain relatively high, resulting in poor economic viability.	• Increased operating expenses
		• The trading rules of the electricity spot market have changed, and the requirements for carbon trading have been raised.	• China's national carbon market is expected to continue expanding, with carbon emission quotas gradually tightening and trading prices progressively rising, placing higher demands on carbon asset management.	• Impairment of fixed assets
			• Trading and compliance-related operating costs in the spot and carbon markets are on the rise.	• Increased operating expenses

Transformation Opportunity List:

Transformation opportunities	Affected items in the statements	Time horizon of impact (short, medium, and long term)		
		Short-term	Medium-term	Long-term
Demand for low-carbon electricity increases	• Revenue growth	✓	✓	✓
Increased demand for electrification in the transport and industrial sectors	• Revenue growth	✓	✓	✓
Increased demand for integrated energy services	• Revenue growth	✓	✓	✓

Time horizon of impact (Short, medium, and long term)			Degree of financial impact in the turquoise scenario	Degree of financial impact in the brown scenario	Countermeasures
Short-term	Medium-term	Long-term			
	✓	✓	• High	• Medium	• Increase investment in technological innovation, enhance the application of hydrogen energy technologies, and establish demonstration bases, focusing on hydrogen energy.
✓	✓		• Medium-high	• Medium	• Carry out the "three reforms in coordination" for existing coal-fired power units to improve their economic efficiency and operational adaptability.
✓			• Low	• Low	• We will make every effort to expand the installed capacity of renewable energy, primarily wind and photovoltaic power; enhance the deployment of renewable energy projects in the eastern and central regions – especially in economically developed areas such as the Beijing-Tianjin-Hebei region, Yangtze River Delta, and Guangdong-Hong Kong-Macao Greater Bay Area – as well as clean energy bases in the Northern, Northeastern, and Northwestern China, Southwest China, and Xizang; accelerate the development of large-scale renewable energy bases, and actively extend the upstream industrial chain layout to reduce the investment and operating costs of renewable energy power generation.
✓	✓	✓	• High	• Medium-high	• Enhance training on electricity spot market trading and carbon markets to improve employees' professional competencies and technical expertise.
✓	✓	✓	• High	• Medium-high	• Establish a set of scientific and rigorous system documents for the spot market and carbon trading market, strengthen process control, and reinforce carbon asset management.

Degree of financial impact in the turquoise scenario	Degree of financial impact in the brown scenario	Countermeasures
• High	• Medium	• We will make every effort to expand the installed capacity of renewable energy, mainly wind power and photovoltaics, and strengthen the layout of renewable energy in the eastern and central regions – especially in economically developed areas such as Beijing-Tianjin-Hebei, Yangtze River Delta, Guangdong-Hong Kong-Macao Greater Bay Area – as well as in clean energy bases such as Northern, Northeastern, and Northwestern China, Southwest China, and Xizang, and accelerate the development of large renewable energy bases.
• High	• Medium	• Actively explore the charging pile market, focusing on public charging stations based on DC fast-charging technology, and continuously enhance enterprise competitiveness in energy storage and charging infrastructure.
• High	• Medium	• Comprehensively develop integrated energy systems with a sound development model, core business capabilities, and the ability to meet users' diversified needs.

Risk Management

The *Internal Control Management System of CR Power Holdings Co., Ltd.* aims to systematically and continuously identify, assess, and manage all risks, including climate-related risks, in order to achieve the Company's control objectives and maintain its sound operation. At the end of each year, we will identify, evaluate, and respond to major risks for the following year, and regularly track and monitor major risks every quarter, updating our response measures to major risks in a timely manner.

Management of climate-related risks

Risk management mechanism:

Under the leadership of the Law-based Enterprise Governance, Risk Control, and Compliance Management Committee, CR Power regularly organizes comprehensive risk assessments and follow-up monitoring work, continuously improving the reporting mechanism for major operational risk events, and coordinating and guiding the reporting of major operational risk events. The Company has also developed a hierarchical risk indicator system unique to CR Power, strengthening risk source governance by dynamically tracking major risk warning indicators. It also carries out special risk management projects to continuously strengthen the Company's risk prevention and control capabilities and enhance its risk management level.

In 2024, to address the challenges posed by various risks, including climate change, and effectively improve risk prediction abilities, the Company has established an annual risk management mechanism from a "1-3-N" management perspective with CR Power's characteristics. By breaking down business risks across the entire chain of coal power, clean energy, and integrated energy, further refining business risk scenarios, and innovatively presenting the "1" perspective of the listed Company's management view, the "3" perspective of diversified business segments (coal power, clean energy, integrated energy), and the "N" three-dimensional risk map from the risk perspective of each business area, this will help risk assessment units better grasp the overall picture and penetration distribution of risks, and consolidate the main responsibilities for prevention and control at all levels.

Risk Management Strategy:

Based on the results of climate risk analysis and risk tolerance, the Company systematically manages climate risks through a variety of strategies, including risk avoidance (e.g., abandoning activities beyond tolerance), risk reduction (e.g., upgrading equipment to enhance resilience), and risk sharing (e.g., purchasing insurance for key equipment).

Emergency Plan for Extreme Weather:

All major regions and regional companies of CR Power have developed and issued emergency plans for extreme weather, establishing a full-cycle climate risk management system covering "disaster prevention-monitoring and early warning-emergency response-post-disaster recovery" to ensure that losses caused by sudden weather events are minimized to the greatest extent.

Prevention stage

Safety Science Popularization and Education: Organize training on basic knowledge of disaster risk prevention and response skills, strengthen risk identification for extreme disasters, and provide training on self-rescue and mutual rescue skills;

Emergency Material Reserves: Allocate sufficient emergency and logistics materials for each station and regularly inspect and update them to ensure that the materials are always available;

Plan Drills: Conduct emergency drills regularly to ensure all personnel are familiar with emergency procedures and operations.

Monitoring and early warning

Real-time Monitoring: Monitor weather changes in real time through data from the Meteorological Bureau and issue early warning information in advance;

Dynamic Risk Assessment: Assess risks around the station based on meteorological data and historical disaster records.

Emergency response

Personnel Safety First: In the event of extreme weather, ensure personnel safety is a priority, evacuate quickly to a safe area, and set up emergency shelters;

Secondary Disaster Prevention and Control: Isolate and monitor potential secondary disasters to prevent the expansion of the initial disaster.

Post-disaster recovery

Loss Assessment and Repair: Quickly assess the damage to equipment after a disaster, prioritize the repair of key facilities, and restore power supply as soon as possible;

Experience Review: Summarize disaster response experience, optimize emergency plans, and enhance future response capabilities.

Combination with Internal Control:

CR Power integrates climate risk management control measures into its business and management processes, strengthens the division of authority by clearly assigning responsibilities to relevant departments according to functions, and integrates information systems to ensure the timely collection, analysis, and reporting of climate risk data, thus achieving systematic integration with internal control.

Continuous Improvement:

CR Power deeply integrates the green and low-carbon transformation goals with strategy, market, operation, and other aspects through top-level design. The Company drives the implementation of carbon peaking and carbon neutrality goals by combining technological innovation investment and system optimization, while also enhancing energy conservation management, carbon asset management, and fundraising capabilities. Additionally, it dynamically adjusts climate risk management practices to respond to the continuously evolving needs of environmental changes, resource adaptation, and energy efficiency management.

Indicators and Goals

Climate change indicators and targets

By setting clear goals and metrics, we are committed to promoting sustainable development, reducing carbon emissions, improving energy efficiency, and actively responding to the expectations of stakeholders. The Company has incorporated climate-related indicators (such as the proportion of renewable energy attributable installed capacity, new renewable energy grid-connected capacity, power supply carbon emission intensity, etc.) into the performance contracts of the senior management team. The assessment policy covers all business units, helping the Company evaluate the effectiveness of its climate strategy. We continue to promote carbon management and have developed the Carbon Emission Data Management Guidelines to standardize the data collection, reporting, and management of Scope 1 and Scope 2 emissions. The Company's greenhouse gas emissions over the past three years are as follows:

Greenhouse Gas Emissions (Scope 1 and Scope 2)

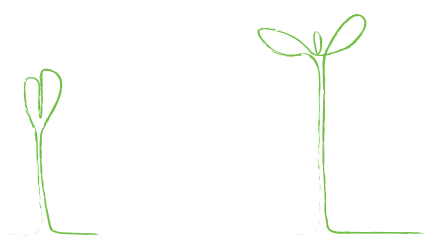
Indicator	Unit	2024	2023	2022
Scope 1	Ten Thousand Tons of carbon dioxide equivalent (tCO_2e)	14,639.19	13,939.26	15,256.97
Scope 2	Tons of carbon dioxide equivalent (tCO_2e)	54,813	50,774	44,986
Emissions	Ten Thousand Tons of carbon dioxide equivalent (tCO_2e)	14,645	13,944	15,261

Carbon peaking and carbon neutrality goals

Carbon Peaking Goal: Guided by the national "carbon peaking and carbon neutrality" goals, CR Power is committed to implementing the State Council's work plan for carbon peaking in 2030. To this end, the Company has set milestone goals for key years. The specific goals are as follows:

2025 Target
Carbon dioxide emissions per ten thousand yuan of output value will be reduced by 18% compared to 2020.

2030 Target
Carbon emissions per kilowatt-hour will be reduced by more than 30% compared to 2020.



Carbon Neutrality Goal: CR Power will actively respond to the national carbon neutrality goal by 2060. According to the national guidelines for achieving carbon neutrality, the Company has formulated a carbon neutrality roadmap. It plans to achieve carbon neutrality for its carbon dioxide emissions by 2060.

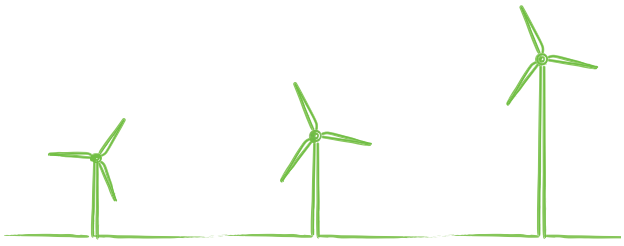
Other green and low-carbon development indicators

Renewable Energy Installed Capacity: The Company will continue to increase renewable energy installed capacity to achieve carbon peaking and carbon neutrality goals. Specific indicators include:

Progress in 2024
The grid-connected installed capacity of renewable energy reached 34,188MW, accounting for 47.2%.

2025 Target
The proportion of renewable energy attributable grid-connected installed capacity will reach 50%.

2030 Target
The proportion of renewable energy attributable grid-connected installed capacity will exceed 60%.



The Company has set clear and definite quantitative indicators for other environmental goals and evaluates the completion of these goals annually. For more details on other specific quantitative environmental management goals and their completion in 2024, please refer to the "Implementation of Environmental Governance" chapter.

Optimizing Power Strategies

By the end of 2024

The Company's attributable grid-connected installed capacity of renewable energy reached

34,188MW

The attributable grid-connected installed capacity of wind power was

24,313MW

The attributable grid-connected installed capacity of photovoltaic power was

9,433MW

Centralized onshore wind power and photovoltaic:

We have promoted the local development and consumption of wind power and photovoltaic energy, and advanced the development of offshore wind power clusters and wind power and photovoltaic bases in Northern, Northeastern, and Northwestern China. We have also formulated medium – and long-term resource reserves and phased development plans to ensure the stability and sustainable development of energy supply.

CR Power has seized the development opportunity of "carbon peaking and carbon neutrality goals", deeply integrated into the national energy strategic deployment to accelerate the construction of a renewable energy system, accelerated the layout of renewable energy industry, increased R&D efforts in cutting-edge green and low-carbon technologies, strengthened carbon asset management, and steadily moved towards the goal of "becoming a world-class clean energy supplier and integrated energy service provider".

Building a Clean Power Generation System

Aiming at the goal of raising the installed capacity proportion with renewable energy to 50% by the end of the "14th Five-Year Plan" period, CR Power has vigorously developed the clean energy power generation business, and steadily promote the green, low-carbon, and clean transformation of the power system. By the end of 2024, the Company's attributable grid-connected installed capacity of renewable energy reached 34,188MW, accounting for 47.2%, up 6.5 percentage points from the end of 2023; the attributable grid-connected installed capacity of wind power was 24,313MW, and the manageable installed capacity under construction was 9,856MW; the attributable grid-connected installed capacity of photovoltaic power was 9,433MW, and the manageable installed capacity under construction was 8,861MW.

Case

Full-capacity Grid Connection of Xinjiang Santanghu One-million-kilowatt Wind Power Project

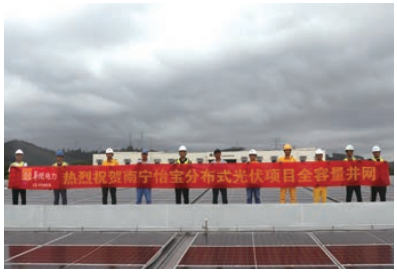
In October 2024, CR Power's first million-kilowatt wind power project in Xinjiang, the Xinjiang Santanghu one-million Kilowatt Wind Power Project, completed the grid connection of all 154 wind generating units and realized full-capacity grid connection. After the project is completed and put into operation, it can deliver 3.05 billion kWh of green electricity every year, which is equivalent to saving about 909,000 tons of standard coal and reducing carbon dioxide emissions by about 2.52 million tons each year, effectively promoting the low-carbon transformation of the energy structure.

Distributed photovoltaic and distributed wind power:

We have promoted the collaborative innovation and comprehensive application of wind and photovoltaic with agriculture, forestry, animal husbandry and fishery, transportation, and ecological governance industries, promoted the implementation of rooftop distributed photovoltaic power projects and distributed wind power projects, and promoted the optimization of energy structure.

8.46MW Roof Distributed photovoltaic Project in Feixian County, Shandong, realized full-capacity grid connection

Jiangsu Xuzhou High-tech Zone Phase II 7.77MW Distributed Photovoltaic Power Generation Project realized full-capacity grid connection



Guangxi Nanning C'estbon 8MW Distributed PV Project realized full-capacity grid connection

64.8MWp Rooftop Distributed PV Project of Dongfeng Commercial Vehicles by the Northwest Hubei Company officially started construction

Offshore wind power:

Adhering to the strategic layout of combining offshore and open-sea development, the Company focused on the reserve and development of high-quality resources in China's five major offshore wind power bases to enhance its industry influence in the field of offshore wind power.

Case

CR Power Lianjiang Offshore Wind Power Project listed in the SASAC's "Hundred Projects"

In August 2024, the CR Power Lianjiang Offshore Wind Power Project, a project with the largest per-unit capacity in China, was listed in the SASAC's "Hundred Projects". With a total investment of RMB8.048 billion, the project is an offshore wind power project under construction with the largest unit capacity in China. It will realize the first batch application of 18MW large-capacity wind turbines worldwide. The project's total installed capacity is 700MW. It is planned to install 39 sets of 18MW wind turbines, build a 220KV offshore step-up substation and a 220KV onshore centralized control center, and configure 105MW/210MWh energy storage. After the project is completed, it is expected to generate 3.3 billion kWh of electricity annually, which is equivalent to saving about 958,000 tons of standard coal and reducing carbon dioxide emissions by 2.632 million tons per year.

Hydropower:

We have explored M&A opportunities for large and medium-sized hydropower stations, made long-term strategic deployment in the field of pumped storage, deepened cooperation with power grid companies, and given priority to developing projects that can collaboratively obtain renewable energy resources in areas with high demand for power grid regulation.

Energy storage:

We have deepened the integrated development of renewable energy such as wind and solar power with renewable energy storage, accelerated the R&D and application of energy storage technology, actively promoted the planning and layout of renewable energy sharing and user-side energy storage projects, and improved clean electricity consumption and utilization.

Case

The first renewable energy storage power station in Taizhou, Jiangsu, was officially put into operation

In June 2024, the 110kV CR Power Renewable Energy Storage Power Station, a key project of Jiangsu's" 715" power supply guarantee system, was successfully put into operation in Dainan Town, Xinghua City. With a total installed capacity of 55MW/110MWh, it is CR Power's largest energy storage project in Jiangsu Province. After the project's completion, it is estimated that the annual average discharge capacity will be about 36,000 MWh, and the annual charging and discharging times will be 365 times. It will effectively improve the safety, economy, reliability, and flexibility of the regional power grid, which is of great significance to supporting renewable energy consumption in Jiangsu Province, promoting green transformation, facilitating high-quality development of the energy industry, and achieving" carbon peaking and carbon neutrality goals".

Enriching Integrated Energy Services

Aiming at the vision of "becoming a first-class clean energy supplier and integrated energy service provider", we take "electricity aggregation + carbon energy aggregation" as our development direction, focus on the key tracks of "three electricity and one energy conservation", strengthen the construction of operation management system and iterative upgrading of new technologies, develop low-carbon and energy-saving standardized products, and fully expand integrated energy business.

Charging and battery swap stations:

We have been promoting the construction of city-level charging networks. With this effort, we have created multi-business scenario demonstration projects such as the Southern Jiangsu Economic Development Zone Charging Network, Chongqing Photovoltaic Storage Supercharging Network, Guangzhou Nansha Xugong Heavy Truck Battery Swap Station, and Jiaozuo High-speed Railway PV Charging Station. We have deeply participated in Hong Kong's green transportation substitution process and have put into operation a total of 114 centralized public charging stations, 2,059 charging terminals, and a total charging power of 65MW.

Have put into operation a total of **114** centralized public charging stations

Low-carbon and energy-saving services:

We provide industrial energy conservation, building energy conservation, and other services for commercial customers and government agencies and help enterprises and communities achieve green and low-carbon transformation through solutions such as green buildings, low-carbon, near-zero-carbon, and zero-carbon parks.

Case

Photovoltaic Energy Storage and Charging Integrated Project of Jiaozuo High-speed Railway Station

In January 2025, the photovoltaic Energy Storage and Charging Integrated Project of Jiaozuo High-speed Railway Station in Henan Province was officially put into operation. The project is CR Power's first charging station in the Chinese mainland to use full liquid-cooled supercharging technology. It deeply integrates PV generation, energy storage system, and charging facilities, and builds supporting 150kW distributed photovoltaics, 100kW/200kWh energy storage equipment, 1,842kW full liquid-cooled charging stations, etc., to achieve "one second one kilometer" ultra-fast charging. After its operation, the project can greatly reduce the charging time of renewable energy vehicles, which is conducive to promoting the popularization of renewable energy vehicles, facilitating the green and low-carbon transformation of urban transportation systems, and injecting strong impetus into the coordinated development of regional economy and ecology.

Case

Photovoltaic Energy Storage and Charging Integrated Project for standard workshops in Chongqing Digital and Intelligent Industrial Park

In 2024, Chongqing Energy Investment Group, under CR Power, completed the construction of the photovoltaic Energy Storage and Charging Integrated Project for standard workshops in the Digital and Intelligent Industrial Park in Banan District, Chongqing, and officially put it into operation. The project is located in Chongqing Digital and Intelligent Industrial Park. It has integrated a 4MW distributed photovoltaic system, a 100kW/215kWh energy storage power station, a 1.04MW charging pile, and an intelligent energy management platform to form a green and efficient integrated clean energy system of light storage and charging. It has made positive contributions to improving the efficiency of energy use and promoting the transformation of energy structures in the park. It has also contributed to the construction of clean energy and green and low-carbon development in Banan District. After the project is put into operation, it is expected to provide 4.071 million kWh of clean electricity to the park every year and reduce carbon dioxide emissions by 1,720 tons.

Focusing on Green and Low-carbon Technologies

CR Power focuses on green and low-carbon technology R&D, actively explores cutting-edge technologies, continuously innovates application scenarios, and comprehensively drives the transformation of the energy structure to green and low-carbon.

Carbon capture, utilization, and storage (CCUS) technologies

We have continued to optimize the amine-based capture testing platform, comprehensively analyzing the current issues present in the carbon capture testing platform. Based on the operational data of the platform, amine liquid sampling analysis data, and standardized operating procedures for CCUS, we have proposed optimization plans for the testing platform. Additionally, we have put forward improvement measures to address the issues of organic amine volatilization and escape present in the flue gas exiting the carbon capture system, as well as the difficulties in the purification and regeneration of the absorbents. This has effectively reduced the volatilization and escape of organic amines and improved the reliability of the system's operation. In 2024, the Company used the CCUS technology to capture a total of 6,297 tons of carbon dioxide.

In 2024

The Company used the CCUS technology to capture a total of **6,297** tons of carbon dioxide

Moreover, we have continued our investment in the CCUS technology R&D to contribute to China's efforts to achieve the "carbon peak and carbon neutrality goals". We have participated in the application for two national key R&D projects, namely "High-efficiency Catalytic Materials and Field Enhancement Technology Project for Carbon Dioxide Absorbent Regeneration" and "Key Technologies for Negative Carbon Emissions of High-efficiency Clean Power Generation Based on Coal/Biomass Coupled Combustion". We have also led the compilation of the Group's standard "Technical Supervision Guidelines for Flue Gas Carbon Capture Devices in Coal-fired Power Plants-Chemical Absorption Method" of the Chinese Society of Electrical Engineering. Our invention, "A Measuring Device and Method for Organic Amine Concentration in Exhaust Gas after Carbon Capture" was applied for a patent and was accepted.

Renewable energy smart station

Distributed photovoltaic operation and maintenance monitoring system

We have iteratively built the distributed photovoltaic operation and maintenance monitoring system 2.0, creating an information-based, centralized, and intelligent three-level operation and maintenance system to achieve real-time monitoring, fault diagnosis, remote control, and energy management of PV stations, effectively reducing the operation and maintenance costs of distributed PV systems and improving power generation efficiency. By the end of 2024, the system had been successfully connected to 60 distributed PV projects, initially realizing remote operation and maintenance of distributed PV.

Distributed PV Operation and Maintenance Monitoring System 2.0

Smart wind farm collaborative yaw control edge intelligence

Focusing on challenges such as the unpredictability, modeling difficulties, and complex resolution of wake effects in onshore wind farms, we have proposed a comprehensive solution for smart wind farm collaborative yaw control edge intelligence, which has effectively enhanced the grid integration capacity of wind power and improved the operational efficiency of wind farms. In 2024, the Company's innovative achievement of "Smart Wind Farm Collaborative Yaw Control Edge Intelligence" won the first prize of AI Modeling Track in the Second "Runxiang AI" Innovation Application Competition of China Resources Group.

Energy storage technologies

We have promoted the development of grid-forming energy storage technologies, cooperated with technical teams from the State Grid Electric Power Research Institute (Xinjiang) and Huawei Digital Energy, and carried out R&D of the" 100MWh intelligent string grid-forming energy storage system" based on the supporting energy storage project of Santanghu Renewable Energy Power Station. The system can provide inertia, frequency, and voltage support for the power system by simulating synchronous generators, thus enhancing the stability of the power system and enabling the power grid to better consume clean electricity. The project completed the test in December 2024, indicating that it is ready for formal operation and can provide long-term and stable support for the power grid. In January 2025, the project was listed in the fourth batch of first (set) major technical equipment in the energy field by the National Energy Administration.

Successful test of 100MWh Intelligent String Grid-Constructed Energy Storage System for Santanghu Wind Power

Virtual power plant

We have actively explored and promoted the R&D and innovation of virtual power plant control technologies. We have launched a virtual power plant control platform that effectively integrates flexible power resources, such as distributed energy sources, energy storage systems, and controllable user loads, through advanced technologies like digitization and intelligence. This creates a system capable of responding to grid operation adjustments, which helps optimize the balance between electricity supply and demand, enhances the efficiency of grid operation, further promotes the consumption of renewable energy, and provides adjustment support capabilities for the new power system.

CR Power Virtual Power Plant Control Platform

Strengthening Carbon Asset Management

CR Power strictly implements the internal carbon asset management system, such as the *Carbon Asset Management Standards*, to improve the standardization of carbon asset management. It has built a carbon asset management system covering basic functions such as emission data collection, MRV, and emission report preparation to promote the information-based management of carbon assets and support accurate control of carbon emissions. Besides, CR Power has carried out carbon asset management training to enhance employees' professional knowledge of carbon asset management and improve their professional ability in carbon asset operation. It has also participated in the carbon emission trading market, improved and formulated the performance plan, and completed the last link of carbon asset management. During the reporting period, the Company sold a total of 2.52 million tons of surplus carbon quotas and realized a profit of RMB240 million; a total of 1.51 million tons of CCER replacement transactions were carried out.

In addition, green electricity trading is also an important part of our carbon asset management. We have actively participated in green electricity trading. While meeting the green electricity consumption needs of energy-consuming units, we have converted ecological benefits into economic benefits and further promoted the Company's low-carbon transformation. In 2024, the Company signed 321 green electricity users, an increase of 78.3% year over year, and completed 6.742 billion kWh of green electricity transactions, an increase of 268.42% year over year. Its environmental premium income reached RMB188 million, an increase of 125% year over year.

Case

Holding a meeting on internal collaborative trading of carbon asset business training and carbon quota

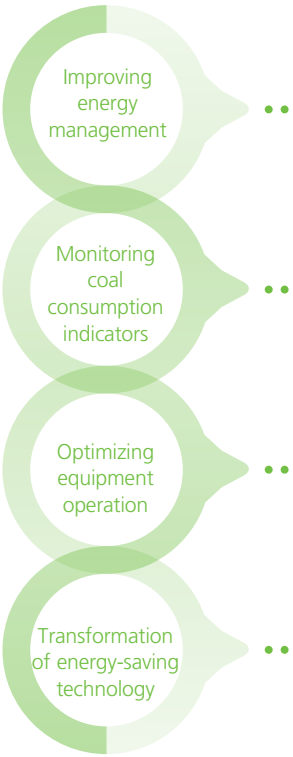
In October 2024, CR Power held the "2024 Carbon Asset Business Training and Carbon Quota Internal Collaborative Trading Conference". At the meeting, the Company's Operation Management Department comprehensively interpreted the carbon emission trading policy newly released by the Ministry of Ecology and Environment. The major regions and Chongqing Energy Investment Group reported their carbon compliance plans and carbon asset management suggestions, respectively. This meeting not only improved the company's ability to respond to carbon market rules but also relied on the internal coordination mechanism to form resource integration advantages, effectively reduced the Company's overall performance cost and risk, and provided experience for CR Power to maintain and increase the value of carbon assets and accelerate the implementation of "carbon peak and carbon neutrality goals".

Improving Resource Efficiency

CR Power has integrated concepts such as resource conservation, pollution prevention, and circular economy into the whole production and operation process, actively strengthened energy and water resources management, striven to reduce the generation and emission of pollutants in the production process, and promoted waste recycling. It is also committed to promoting the Company's green and low-carbon transformation with cleaner production methods. In 2024, CR Power's Hezhou Company, Dengfeng Company, Bohai Company, Jinzhou Company, and Xinzhou Company all passed the cleaner production audit.

Energy Management

We have further strengthened the management and control of energy conservation and consumption reduction within the Company according to the *Energy Conservation Management Measures, Energy Conservation Supervision Standards*, and other energy consumption management systems. In 2024, the standard coal consumption for the power supply of the Company's subsidiary coal-fired power plants was 295.94 g/kWh, with a year-on-year decrease of 1.23 g/kWh.



CR Power has promoted its subordinate units to improve their energy management systems and obtain relevant certifications in accordance with international energy management system standards such as ISO50001. It has also built a integrated energy digital platform, optimized energy allocation, reduced energy demand, and improved energy efficiency.

According to the annual target value of power supply coal consumption rate, we have implemented the "one plant, one policy" and "monthly dispatch" mechanism, tracked the completion of power supply coal consumption rate in real time, and done well in data analysis and closed-loop problem rectification.

We have optimized the blending, burning, operating, heating, and deep peak-shaving models of coal in a classified manner to solve the problems of newly commissioned and high-energy-consuming units, promoting energy conservation and heating transformation, etc., to reduce power supply coal consumption rate.

We have completed the maintenance and technical transformation of 74 thermal power units in total, effectively improving the energy efficiency and flexibility level of the Company's coal-fired power units and reducing the energy consumption of thermal power generation units.

Water Resource Management

CR Power has paid attention to the sustainable use of water resources, actively carried out water resource risk management, continuously improved water use efficiency, enhanced awareness of water resource protection, and promoted a continuous reduction in water demand. In 2024, the Company was not penalized for violating regulations related to water use.

Assessing water use risks

Before promoting water consumption projects such as new coal-fired power plants, we usually scientifically and rigorously organize the assessment of water resources risks, comprehensively examine the current situation of water resources in the project sites, estimate the potential impact of project operation on local water resources, and determine the water source and production process according to the assessment results. For example, in areas with abundant water resources in Southern China, cooling technologies based on cooling towers are often used to efficiently and reasonably use water resources. In contrast, in areas with scarce water resources in Northern China, cooling technologies based on air cooling towers are often used to reduce the dependence of project production on water resources.

Improving water use efficiency

We have continued to increase water conservation efforts, optimized production processes, and vigorously implemented comprehensive transformations such as rainwater and sewage diversion and wastewater cascade utilization to minimize water consumption in production projects and promote water resource recycling. In 2024, the Company's fresh water consumption was 170.12 million tons, a 9.65% decrease from the previous year; the comprehensive water consumption intensity for power generation was 1.02kg/kWh, a 1.92% decrease from the previous year.

Expanding the use of urban reclaimed water

11 thermal power generation enterprises in Dengkou, Panjin, Fengrun, Cangzhou, Heze, Jiaozuo, and Dengfeng used urban reclaimed water, consuming 44.94 million tons in 2024, up 5.03% year over year

Strengthening wastewater reuse

We have strengthened the cascade utilization of water and improved the efficiency of wastewater reuse. In 2024, 18.26 million tons of wastewater were recycled, with a year-on-year increase of 4.74% in the wastewater recovery rate

Enhancing water-saving awareness

By organizing activities such as the "June 5th" Environment Day and the National Energy Efficiency Promotion Week, we actively publicized the importance of water conservation to improve employees' daily water conservation awareness and commend and reward units and individuals who had made outstanding contributions to water conservation, so as to encourage more employees to participate in water conservation actions.

Environmental Protection Theme Publicity Activity of the June 5th Environment Day

In 2024

The Company's fresh water consumption was **170.12** million tons

The comprehensive water consumption intensity for power generation was **1.02** kg/kWh

Since 2016

A total of about RMB **13** billion has been invested in pollution prevention and control and energy conservation technology transformation

Pollution Prevention

We have continued to fight a tough battle against pollution, continuously strengthened the control of "three wastes" emissions, taken multiple measures to reduce "three wastes" emissions, ensured that pollutant emissions meet national standards, and minimized the impact of production operations on the environment.

Waste gas emission

We have deeply explored the emission reduction potential of coal-fired power units. Since 2016, a total of about RMB13 billion has been invested in pollution prevention and control and energy conservation technology transformation. Through measures such as ultra-low emission transformation of coal-fired power plants, desulfurization upgrading transformation, full-load denitration transformation, and closed transformation of coal yards, air pollutant emissions from coal-fired power units have been significantly reduced.

Ultra-low emission transformation

We have introduced a series of advanced technologies and equipment to comprehensively upgrade the desulfurization, denitrification, and particulates removal systems of coal-fired power generation units. At present, all operating thermal power units of the company have achieved ultra-low emissions. Under the condition of a baseline oxygen content of 6%, the emission concentrations of sulfur dioxide, nitrogen oxides, and particulates from coal-fired power generation units are strictly controlled below 35mg/m³, 50mg/m³, and 10mg/m³, respectively.

Closed reconstruction of coal yard

We have completed the closed renovation project of 29 power plant coal yards, covering more than 80% of our total operating coal-fired power plants, effectively inhibiting coal dust diffusion, reducing air pollutant emissions and improving air quality in coal yards and surrounding areas; coal-fired power plants that have not yet completed reconstruction have been equipped with wind and dust nets around the coal yards as a transitional measure to minimize environmental risks that may be caused by unorganized air pollution from coal-fired power plants.

In 2024

The wastewater discharge was

427,000 tons

A year-on-year decrease of

70.47%

Waste water discharge

We have continued to implement comprehensive wastewater utilization transformation, reduce wastewater discharge in the production process, and protect the water environment around our operating sites. In 2024, the Company's wastewater output was 18.69 million tons, a year-on-year decrease of 9.15%; the wastewater discharge was 427,000 tons, a year-on-year decrease of 70.47%; 33 operating coal-fired power plants have achieved "zero discharge" of wastewater, covering 91.7% of the Company's operating coal-fired power plants.

Waste discharge

We strictly implement the requirements of the *Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste* to improve the management level of hazardous waste, promote the comprehensive utilization of non-hazardous waste, and effectively reduce the potential threat of solid waste to the environment. In 2024, the Company's nine coal-fired power plants in Shenshan, Guangzhou, and Banqiao co-disposed of 688,700 tons of municipal sludge; Gucheng Power Plant co-disposed 13,518.24 tons of drug residue (hazardous waste); Jiaozuo Power Plant co-disposed 15,790.54 tons of waste calcium carbide slag; Hezhou Power Plant co-disposed 97,800.98 tons of waste marble slurry; Jinzhou Power Plant co-disposed 19,921 tons of white mud.

In 2024

Banqiao Power Plant co-disposed **688,700** tons of municipal sludge

Jinzhou Power Plant co-disposed **19,921** tons of white mud

Hazardous waste

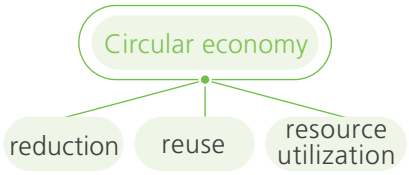
Each subordinate unit of the Company has established a sound hazardous waste management system and is equipped with detailed hazardous waste management ledgers to manage the collection and storage of hazardous waste through standardized processes. At the same time, we actively seek cooperation with hazardous waste treatment institutions with professional qualifications and sign compliance disposal agreements with them to ensure 100% compliance disposal of hazardous waste.

Harmless waste

All subordinate units of the Company have continuously strengthened the comprehensive utilization of solid wastes such as fly ash, slag, and desulfurized gypsum, formulated emergency plans, and established emergency storage equipment and facilities to ensure that by-products (e.g., ash and gypsum) could be properly stacked and stored when the demand for them declined, to prevent them from polluting the environment.

Circular Economy

We have integrated the concept of "reduction, reuse, and resource utilization" of the circular economy into the whole production and operation process, tapped the potential of waste recycling, and strived to maximize the use of resources in every link of production. In addition, we actively participated in social-ecological environment governance, explored new technologies for waste recycling, efficiently disposed of pollutants such as marble waste slurry and sludge, realized pollutant recycling, promoted the circular economy, and achieved good ecological benefits.



Case

From the "small circulation" among enterprises to the "big circulation" in society

In response to the marble waste slurry issue faced in the marble industry in Hezhou City, the Hezhou Company actively studied its recycling as a wet desulfurization absorbent for flue gas from coal-fired thermal power plants, successfully turning waste into treasure. The successful implementation of this technology in Hezhou Power Plant can reduce the use of 100,000 tons of limestone powder and the mining of hundreds of thousands of limestone ores every year, saving more than RMB70 million of raw material costs for society.

Saving more than RMB **70** million of raw material costs for society

Implementing Environmental Governance

Winning the "Gold Green Management Award – Corporate (Legal Corporation)" of Hong Kong Green Awards

CR Power has thoroughly practiced the green development concept of "lucid waters and lush mountains are invaluable assets", established a sound scientific and efficient environmental management system, carried out ecological environment protection work in all aspects and at multiple levels, and striven to minimize the impact of the Company's operation on the ecological environment, thus realizing the harmonious coexistence between the Company and nature.

Environmental Management System

We are committed to building a more complete environmental management system, starting from management goals, management systems, system certification, compliance review, accident prevention, grade assessment, education and training, etc., and taking multiple measures to improve the effectiveness and level of environmental management. In 2024, the Company won the Hong Kong Green Awards, the "Platinum Environmental, Health, and Safety Award", the "Gold Green Management Award – Corporate (Legal Corporation)", and the "Management System Corporate Green Governance Award". Under the Company, Shenzhen Shenshan Special Cooperation Zone CR Power Co., Ltd. and China Resources Renewable Energy (Baoji) Co., Ltd. won the "Silver Environmental, Health, and Safety Award", the China Resources Renewable Energy (Jinzhou) Co., Ltd. won the "Silver Green Management Award – Corporate (Legal Corporation)", and eight units, including China Resources Renewable Energy Investment Co., Ltd. Guangdong Branch, won the "Bronze Environmental, Health, and Safety Award" and the "Bronze Green Management Award – Corporate (Legal Corporation)".

Environmental management targets

We are fully aware of the importance of environmental management targets to carry out environmental management work, and have formulated clear and definite quantitative objectives of environmental management in stages. According to each target, we have assigned specific environmental protection tasks to units at all levels, and strictly assessed the completion of these objectives every year, with a view to achieving significant progress in green transformation within the given time.

S/N	Indicator name	Unit	Base in 2020	Target in 2022	Target in 2023	Target in 2024	Target in 2025	Achievements in 2024
				Decrease compared with 2020				
1	Comprehensive energy consumption per RMB10,000 output value (comparable price)	Ton of standard coal/ RMB10,000	3.9984	5.00%	10.00%	15.00%	20.00%	3.19
2	Comparable price comprehensive energy consumption per RMB10,000 added value	Ton of standard coal/ RMB10,000	9.4119	4.00%	7.00%	10.00%	15.00%	7.48
3	Emission of sulfur dioxide (SO_2)	t	10,989.1192	4.00%	6.00%	8.00%	10.00%	11,065
4	NO_2 emissions	t	20,387.5227	4.00%	6.00%	8.00%	10.00%	20,666
5	Smoke emissions	10,000 t	0.13	Year-on-year decrease from the previous year				0.13
6	Emission of chemical oxygen demand (COD)	t	55.02	Year-on-year decrease from the previous year				18.63

S/N	Indicator name	Unit	Base in 2020	Target in 2022	Target in 2023	Target in 2024	Target in 2025	Achievements in 2024
1	Standard coal consumption for power supply (subsidiary coal power plants)	g/kWh	296.0	/	/	295.75	295.00	295.94
2	Major or above environmental pollution incidents	/	0	0	0	0	0	0

Environmental management system

To minimize the negative impact of the Company's operation and production on the environment, we have continued to improve the Company's *Environmental Protection Management System* during operation and continuously enhanced the efficiency of ecological environmental protection management. The *Guidelines for the Management of "Three Simultaneities" in Renewable Energy Construction Projects* was issued to provide basic guidance for the construction of environmental protection facilities and soil and water conservation facilities in renewable energy projects. We also promulgated the *EHS Reward Management Measures* and the *EHS Accident Accountability Measures* to promote the implementation of environmental protection through incentives and constraints.

In 2024, we abided by the *Guiding Measures for Hierarchical and Classified Management of Ecological and Environmental Risks of China Resources Group*, organized and implemented hierarchical and classified management of ecological and environmental risks, focused on key points of ecological and environmental protection management, and promoted standardized and efficient implementation of ecological and environmental protection work.

Environmental management certification and assessment

We are committed to adjusting the Company's ecological and environmental protection management work in line with the world's best corporate practices, promoting our subsidiaries to improve their environmental management systems following international standards such as ISO14001, and encouraging our subsidiaries to obtain international standard certifications. By the end of 2024, the Company's subsidiaries, such as China Resources Northeast Power Engineering Co., Ltd. and Rundian Energy Science and Technology Co., Ltd., had successfully passed the ISO14001 environmental management system certification.

We actively respond to Hebei Province's policy deployment to promote the environmental protection performance of key industry enterprises to excellence, continue to rectify ecological and environmental protection issues, and improve the level of environmental protection governance. In 2024, Yundong Power Plant of our Cangzhou Company obtained the highest level of environmental performance rating—"Grade A Enterprise with Environmental Performance in Key Industries in Hebei Province", which means that the plant's environmental governance had reached the highest level in the same industry. Moreover, Bohai Power Plant of Cangzhou Company successfully passed the on-site acceptance of Hebei Province for Grade-A performance in environmental protection.

ISO14001 Environmental Management System Certificate of Rundian Energy Science and Technology Co., Ltd.

Yundong Power Plant of Cangzhou Company was awarded the qualification of "Grade A Enterprise with Environmental Performance in Key Industries in Hebei Province"

In 2024

Organized and carried out

8 rounds of environmental compliance risk investigation

Identified a total of

902 environmental compliance risk issues

Environmental compliance review

We conduct environmental compliance risk investigations annually to ensure that the Company's various operating activities strictly comply with national and local environmental laws and regulations, industry standards, and relevant policy requirements to effectively prevent environmental risks.

In 2024, we organized and carried out eight rounds of environmental compliance risk investigation around key areas such as solid waste management, automatic monitoring of pollution sources, energy conservation, and ecological environment protection qualification certificates, covering all the Company's projects in operation or under construction. We identified a total of 902 environmental compliance risk issues. In response to the environmental compliance risk issues found in the special review, we urged the target units to take immediate actions, formulate rectification plans, clarify rectification goals, and refine rectification measures to ensure that all issues can be solved in a timely and effective manner and comprehensively eliminate environmental compliance risks.

Case

CR Power organized a special inspection on solid waste compliance management

In February 2024, CR Power set up a special inspection team to carry out special inspection, rectification, and spot checks on the compliance issues of solid waste management in its subordinate units, focusing on environmental impact assessment, measures to prevent environmental pollution caused by solid waste, responsibility system for prevention and control of environmental pollution, etc. A total of 281 issues were found in terms of solid waste management ledger, industrial solid waste discharge permits, hazardous waste identification marks, etc. As of the end of December, all units had completed rectifying 281 issues, and the planned rectification rate reached 100%.

Environmental accident prevention

According to the *Action Plan on Prevention and Control of Air Pollution* and other regulations, we require enterprises located in key areas to formulate heavy pollution weather response plans following the requirements of local environmental protection departments and the principle of "one factory, one policy", strictly implement emission reduction measures, and at the same time carry out daily emission reduction supervision to avoid excessive pollutant emissions and violations of environmental protection assessment. During the reporting period, no significant environmental emergencies occurred in the Company.

Case

Chenzhou Company and Chenzhou Municipal Ecological Environment Bureau carried out an emergency drill for sudden environmental safety incidents

In April 2024, Chenzhou Company and Chenzhou Municipal Ecological Environment Bureau carried out the "2024 emergency drill for sudden environmental safety incidents". The drill simulated the scene of a waste oil leakage accident, and orderly carried out initial disposal, accident reporting, evacuation alert, fire rescue, waste oil adsorption and disposal, environmental monitoring, and other work. All participants responded quickly, acted swiftly, handled the issue properly, and successfully completed the joint emergency drill task. The employees' emergency response ability to environmental accidents was effectively improved.

Environmental protection training

We organize and carry out special training on ecological environment protection in a diversified form to enhance employees' awareness of ecological environment protection and environmental management capabilities. This lays a solid foundation for continuously improving the Company's ecological environment protection management level. In 2024, we held three special training courses on ecological environment protection management at our headquarters, and actively organized EHS leaders in charge and environmental protection managers of subordinate units to participate in various special environmental protection training organized by China Resources Group, the Environmental Assessment Center of the Ministry of Ecology and Environment, All-China Environmental Protection Federation, etc. There were a total of 20,000 participants in the ecological environment protection training.

In 2024

We held **3** special training courses on ecological environment protection management at our headquarters

There were a total of **20,000** participants in the ecological environment protection training

Case

Special training on automatic monitoring of pollution sources

In December 2024, CR Power organized a special training course on automatic pollution source monitoring at Guangzhou Nansha Power Plant, with 460 participants. During the training, Professor Xu Dianmu, a senior expert in ecological and environmental protection in China, deeply interpreted the relevant laws and regulations on environmental monitoring and taught the key points of self-monitoring of enterprises' pollutant discharge permits. Cangzhou Company and Tangshan Company shared their excellent experience and practices in the automatic monitoring of pollution sources. Engineers from CEMS equipment manufacturers introduced the key points of equipment operation and maintenance, providing guidance for future pollution monitoring work and effectively improving the professional level of pollution monitoring of participating employees.

Ecological Environment Protection

We take the initiative to devote ourselves to ecological and environmental protection, pay attention to biodiversity conservation in daily production and operation, reduce the negative impact on biodiversity at all stages of project development, construction, and operation, and create favorable conditions for the survival and reproduction of species with practical actions. In addition, we regularly organize various forms of environmental protection and public welfare activities to stimulate the public's awareness of protecting nature and jointly protect our beautiful ecological home.

Biodiversity Protection

We attach great importance to biodiversity conservation, implement the environmental impact assessment system in strict accordance with the requirements of the *Law of the People's Republic of China on Environmental Impact Appraisal*, employ qualified third-party units to carry out environmental impact assessments on biodiversity and surrounding ecology for our proposed projects, comprehensively assess the environmental risks around the new project sites and whether they involve sensitive factors such as ecological red lines or environmentally sensitive areas. We require that the project sites avoid natural reserves, important ecological functional areas, ecologically sensitive areas, etc., as much as possible to minimize the negative impact of project construction on biodiversity. In 2024, the Company had no new projects involving the occupation of ecological protection red lines or significant impacts on biodiversity.

Environmental Risk and Impact Assessment of Project Construction

Project development stage

Assess the environmental risks around each new project site, find out whether it touches ecological red lines and involves environmentally sensitive areas, organize qualified EIA units to prepare EIA reports (forms), and fill in environmental impact registration forms for projects with minor environmental impacts (such as distributed PV power generation).

Project construction stage

Organize the construction according to the EIA report (form) and the reply of the environmental protection department, and in accordance with the principle of simultaneous design, construction and use of environmental protection facilities and main works. During the construction process, hire environmental supervisors and soil and water conservation supervisors as required, regularly carry out risk assessments on environment and soil and water, and adjust the method scheme and improve the process according to the assessment results.

Project operation stage

Organize environmental protection acceptance in time, evaluate the implementation and effect of various environmental protection measures, and further optimize or adjust environmental protection facilities or process according to the results of environmental protection acceptance. Enterprises in the thermal power and other sectors with environmental pollution shall carry out environmental risk analyses every three years, prepare contingency plans for environmental emergencies, and effectively control pollution to reduce environmental pollution when emergencies occur.

For hydropower stations and other built projects that may have a certain impact on local biodiversity, we take remedial measures such as designing ecological flow, carrying out enhancement and releasing, transplanting rare plants or collecting seeds and raising seedlings, and implementing ecological protection compensation to reduce the impact of stock projects on the surrounding ecology. During the reporting period, units at all levels of the Company actively carried out afforestation and vegetation restoration work, planting a total of 205,750 trees of thirty species such as elm, wild apricot, and sugar maple; vegetation restoration was carried out in 29 renewable energy construction projects in Inner Mongolia, Ningxia, Liaoning and other regions, with a cumulative greening area of about 9,449 mu.

Case

Bearing the social responsibility by donating to plant non-commercial forests – Haiyuan CR Ecological Non-commercial Forest Project

In view of ecological problems such as drought and little rainfall, harsh natural environment, and serious soil erosion in Haiyuan County, CR Power Ningxia Co., Ltd. has firmly established the concept that "lucid waters and lush mountains are invaluable assets". It has also actively promoted the construction of the Haiyuan CR Non-commercial Forest Project and contributed to improving the local ecological environment and protecting biodiversity. As of June 2024, the Company had donated a total of RMB28.4 million to Haiyuan County and completed the construction of 1,686 mu of ecological public welfare forests.

In December 2024

Releasing

307,100

indigenous fish of 6 species into the Xiaoheijiang River Basin

Case

Fish breeding and releasing activity in 2024 for Xishuangbanna Hydropower Project of CR Power Yunnan Co., Ltd.

In December 2024, Yunnan Company organized the "Fish Breeding and Releasing Activity of Huilongshan Hydropower Station by Xiaoheijiang River in 2024", releasing 307,100 indigenous fish of 6 species into the Xiaoheijiang River Basin. Moreover, Yunnan Company disseminated knowledge such as scientific captive release and fish habits to local Dai people through display boards, brochures, and other means to guide them to establish the concept of ecological protection. Yunnan Company has organized breeding and releasing activities for three consecutive years. Under continuous observation, the fish resources and biodiversity in the Xiaoheijiang River Basin have been continuously restored and improved, and reproduction and release have achieved significant ecological benefits.

Environmental protection and public welfare actions

Every year, we regularly carry out various forms of environmental protection public welfare activities such as afforestation, green electricity knowledge on campuses, and "Saving Energy for One Hour" to enhance the environmental awareness of our employees and the general public. This will spread the concept of green environmental protection and allow more people to participate in ecological environmental protection.

Case

"Green and Beautiful Guangdong, Youth First" CR Power Forest Planting Activity by Youth

In May 2024, Guangdong Renewable Energy Company, together with Qingyuan City, the Communist Youth League Committee of Qingcheng District, and Henghe Sub-district Working Committee, carried out the CR Power Youth Forest Planting activity of "Green and Beautiful Guangdong, Youth First", planting more than 100 saplings. Through personal participation in the tree-planting activity, employees deeply felt the importance of ecological environment protection and enhanced their awareness of eco-civilization, such as planting, loving, and protecting green plants.

Shouldering the Responsibility for a Sustainable Future

Governance

CR Power has strengthened its industrial advantages, adhered to value co-creation, and been committed to building a sustainable future with all sectors of society.

- On the one hand, we strive to deepen our technology and services, further the "2551" strategy of sci-tech innovation, establish a scientific and technological innovation organization system of "headquarters-technology research institutes-subsidiaries in regions/regional subsidiaries", promote the low-carbon transformation of the energy system, ensure stable power supply, and provide customers with efficient, high-quality and low-carbon power services.
- On the other hand, we actively leverage our technological and product advantages to formulate systems such as the *Social Responsibility Program Management Measures* and *Administrative Measures for Outward Donations* to promote the integration of the power industry with rural revitalization, public welfare, and charity, improve people's livelihood and well-being, and empower community development.

Strategy

We have strengthened coordinated development with all stakeholders by optimizing customer service, strengthening energy supply guarantee, strengthening sci-tech innovation, practicing responsible procurement, deepening diversified cooperation, promoting rural revitalization, and other measures to jointly contribute to the sustainable development of the economy and society and create more social value.

- Resolutely ensure the safe and stable energy supply and guard the bottom line of electricity consumption for people's livelihood.
- Optimize customer service, carry out responsible marketing, and continuously improve customer satisfaction.
- Increase investment in scientific research, strengthen sci-tech talent training, and accelerate the transformation of sci-tech innovation achievements.
- Practice responsible procurement and give priority to suppliers with good ESG performance.
- Deepen win-win cooperation, expand government-enterprise, school-enterprise, and enterprise-enterprise cooperation networks, and participate in the formulation of industry standards.
- Empower rural industrial development and promote the green and low-carbon transformation of rural economy by leveraging the advantages of the energy industry.

Risk management

In the critical period of accelerating energy transition, how to give full play to the leading and exemplary role of central power SOEs, effectively meet customers' increasingly diversified needs for clean energy, ensure that technological leadership in clean energy is maintained, deepen industry cooperation to speed up the green transformation of energy structure, and fully tap the development potential of clean energy industry to promote rural industrial revitalization are significant issues that CR Power must actively respond to and adequately solve on the road of pursuing sustainable development.

Key indicators

Customer satisfaction reached **90.4%**

Total investment in R&D reached RMB **1.40** billion,

and a total of **2,361** patents were authorized

Achieved a **100**% certification rate for the quality, environment, and occupational health and safety management system for suppliers

RMB **46.46** million was donated for rural revitalization,

and RMB **51.17** million was invested in public welfare and charity

SDGs

Building Brand Service

CR Power always adheres to the "customer-oriented" service concept, ensures the safe and stable supply of power, optimizes customer service experience, actively practices responsible marketing, and continuously creates value for users through high-quality services.

Ensuring Stable Power Supply

Under the dual pressure of large fluctuations in fuel prices and tight power supply and demand, the Company has shouldered the energy supply guarantee responsibility as a central power SOE, taken multiple measures to ensure sufficient fuel supply, and made every effort to ensure stable power supply, laying a solid foundation for people's livelihood in electricity use.

Secure supply of fuel

The safe and stable supply of fuels such as coal is directly related to the production operation and power supply guarantee of power generation enterprises. We have enhanced our coal supply capacity by continuously improving the fuel procurement system, optimizing coal procurement strategies, strengthening intensive coal procurement, and expanding the scale of imported coal procurement.

In 2024

The company's average standard coal unit price decreased by **6.6** per cent year-on-year

The Company purchased **12.39** million tons of imported coal

An increase of **50.2**% year over year

Saving about RMB**810** million in procurement costs

Improve the fuel procurement system

The *Coal Procurement Management System of CR Power (2024 Edition)* and *Detailed Rules for the Management of Incompetent Coal Suppliers of CR Power* were formulated to clarify the management standards of incompetent coal suppliers, refine the management accuracy, optimize the procurement business process, and further standardize the fuel procurement behavior.

Optimize coal procurement strategy

We adhere to the principle of "dual stability and dual increase", formulate supply guarantee measures with "one district, one policy" to ensure that coal inventory meets power supply needs; keep a close eye on market changes, scientifically adjust coal procurement strategies, seize the opportunity of freight preferential policies, purchase coal resources during the low-price window period, innovatively use imported coal instead of domestic tie-in spot coal, and make every effort to reduce coal procurement costs. In 2024, the Company's average price of standard coal was RMB922.05 per ton, decrease by 6.6% from 2023, showing a significant year-on-year improvement.

Strengthen intensive control of coal

With the goal of "maximizing the total marginal contribution of the whole chain of supply, production, and marketing of regional companies", a working mechanism covering the whole process of fuel procurement of "planning, scheduling, tracking, benchmarking, evaluation, and supervision" have been established. The headquarters coordinates the long-term coal ordering work, carries out contract signing and settlement with key suppliers in a unified manner, and gives full play to the scale advantage. All spot coal sourcing procurements are launched on the Shouzheng platform to enhance the level of intensive management of spot coal procurement. We have also fully implemented the "general supervision" working mechanism and established a supervision and guarantee system for daily supervision, special inspections, and key monitoring.

Expand the scale of imported coal procurement

We have established long-term and stable cooperative relations with large international high-quality coal suppliers, supplementing the domestic coal gap, stabilizing the risk of domestic coal price fluctuations, and reducing procurement costs. In 2024, the Company purchased 12.39 million tons of imported coal, an increase of 50.2% year over year, saving about RMB810 million in procurement costs.

Stabilizing electricity production

During the peak summer season every year, high temperatures, high humidity, and high power loads often bring severe challenges to the production work of power companies. In response, we resolutely fulfill the primary responsibility of stabilizing and ensuring the supply of electricity. On the premise of ensuring the safety of power generation units, we have achieved full and stable generation, maximized power generation efficiency, and ensured the safe and stable supply of electricity.

Strengthen equipment operation and maintenance management

Zhejiang Company focuses on key links such as equipment cooling, system inspection, filter screen cleaning, etc. It has strengthened the frequency of equipment operation and maintenance patrol inspection, intensified the patrol inspection and maintenance during high temperature and high load periods, and carried out special patrol inspections from time to time to grasp the health status of equipment in real time and effectively reduce its failure rate.

Optimize unit operating parameters

Luoyang Company has accurately adjusted unit operating parameters based on coal quality and coal blending, strictly controlled power generation, power supply, coal consumption, and plant power consumption rate, and achieved dual improvement in unit stability and economy.

Strengthened fuel supply guarantee

Dengfeng Company has planned the coal storage structure in advance to realize orderly dispatching, accurate acceptance, safe unloading, and accurate blending.

Build a solid line of defense for flood prevention and safety

Shandong Renewable Energy Company has carried out special inspections on flood prevention, strengthened drainage system maintenance, reinforced flood control facilities, stored emergency supplies, and established a complete emergency response mechanism to ensure that the power supply can be quickly restored in emergencies.

Optimize the Customer Service System

We always adhere to the customer service concept of "respond with speed, demand with precision, process with warmth, satisfaction with height", provide customers with efficient and diversified quality services, and continuously improve service content and enhance customer experience through customer feedback.

Improve service experience

We have adhered to the principle of the "first-question responsibility system", formulated the *Guidelines for Customer Service Management of Electricity Sales Business Customer Service Center*, improved the customer service closed-loop management process, provided customers with "7×24 hours" dedicated service, ensure that customer needs can be responded to quickly and efficiently, and continuously improve customer service experience.

In 2024,

Customer satisfaction increased to

90.4%

Conduct a satisfaction survey

The Company attaches great importance to customer feedback and conducts an annual customer satisfaction survey through an online questionnaire and telephone interview. A total of 7,226 samples were sent, covering more than 95.7% of self-developed customers, and a power sales customer satisfaction survey report was formed to fully understand the customer demands. In 2024, customer satisfaction increased to 90.4%.

Based on the feedback from customers in the questionnaire survey, we have comprehensively improved and optimized customer service by optimizing the contract signing process, improving professional capabilities, strengthening customer communication, strengthening contract execution, organizing publicity and training, etc.

Respond to customer complaints

We have established a complete customer complaint handling mechanism to realize standardized management of the whole process from complaint acceptance, analysis of complaint causes, handling of complaint events, to return visits to customers. In addition, to collect feedback from customers more extensively, we have provided diversified complaint channels such as the online business hall, the "400" customer service hotline, and the "106" SMS collection platform. Once a customer initiates a complaint, we will immediately start the complaint handling mechanism to ensure a quick response and provide customers with satisfactory solutions. In 2024, we received no customer complaints.

In 2024,

We received no customer complaints

Practice Responsible Marketing

Adhering to the concept of responsible marketing, we have actively organized special training activities themed on "carbon peaking and carbon neutrality goals", such as Current Situation and Prejudgment of Green Electricity Certificates and Green Electricity Trading and Introduction and Case Sharing of Green Electricity Trading to help customers better understand the value and advantages of green electricity, the practical details of green electricity trading and the systematic methods for low-carbon transformation of enterprises. Through training, customers have gained a deeper understanding of the key role that clean energy plays in achieving the "carbon peaking and carbon neutrality goals" and are encouraged to choose green electricity, thereby further promoting the green and low-carbon transformation of the energy structure.

Besides, we are committed to creating a fair electricity marketing environment. All power sales companies under the Company use the standard contract templates issued by the specific provincial power trading centers. They are strictly prohibited from signing supplementary agreements with customers or changing contract terms. They also provide customers with market price analysis, explain the relevant risks of entering the market, help customers better understand market dynamics and policy orientations, and effectively promote fair transactions.

Adhering to Innovation-driven Development

CR Power takes the "2551" strategy for sci-tech innovation as the core traction, deepens the construction of innovation system, strengthens the cultivation of scientific and technological talent, accelerates the transformation of scientific and technological achievements, comprehensively promotes energy technology revolution around key areas such as thermal power, renewable energy and energy storage, and injects strong momentum into the construction of a new power system.

CR Power's "2551" strategy for sci-tech innovation

Positioning	Assisting CR Power in becoming a world-class clean energy enterprise
Target	2025: Ranking among technological innovation-oriented enterprises, with technological innovation becoming a new engine for high-quality development
	2030: Leading sci-tech innovation-oriented enterprises in the industry, with sci-tech innovation becoming a driving force for development
Direction	Empowering power generation business: Strengthening R&D in the field of skills, technologies, and digitalization on the power generation side
	Cultivating emerging businesses: Proactively developing strategies in the fields such as energy storage, hydrogen energy, as well as carbon capture, utilization, and storage (CCUS) to acquire key technologies
Highlights Job	"2" Obtaining at least 2 domestic industry-leading technologies by 2027
	"5" Independently developing at least 5 technologies that have an important impact on CR Power
	"5" Building characteristic demonstration bases in the fields of thermal power, renewable energy, energy storage, hydrogen energy, and CCUS
	"1" Establishing 1 high-tech company through merger and acquisition or joint venture
Key measures	Project research, capital investment, organization construction, institutional construction, ecological construction, business incubation, and talent cultivation.

In 2024,

The investment in R&D was RMB **1.40** billion,

With a year-on-year increase of **89**%,

Accounting for **1.41**% of operating revenue

Deepening the Sci-tech Innovation System

We have comprehensively stimulated innovation vitality and injected vitality into the sustainable development of enterprises by promoting institutional upgrading, strengthening organizational construction, consolidating platform foundation, strengthening intellectual property protection, and other measures. In 2024, the investment in R&D was RMB1.398 billion, with a year-on-year increase of 89%, accounting for 1.41% of operating revenue.

Institution upgrading

We have continuously improved the institutional system related to innovation, systems, and policies in technical management, encouragement of innovation, intellectual property/patent protection, etc., newly compiled scientific research fault tolerance, incentive, talent and other systems, issued guidelines on key review points such as application, project approval and feasibility study of government-level and holding-level scientific research projects, and effectively improved the overall efficiency of sci-tech innovation management of the Company.

Key institutions:

In 2024, the Company issued the *Implementation Measures for Fault Tolerance and Correction in Scientific and Technological Innovation, Guidelines for R&D Expenditure Management, Guidelines for Statistical Work of Scientific and Technological Innovation, Measures for Evaluation of Scientific and Technological Talent, Administrative Measures for Innovation Incentives, Detailed Rules for Achievement Transformation, Detailed Rules for the Management of Innovation Consortiums, Administrative Measures for Key Technical Research Projects of CR Power, and Guidelines for the Application of Intellectual Property Rights of CR Power Technology Research Institute (Trial).*

Organization Strengthening

We have continuously improved the scientific and technological innovation organization system of "headquarters-technology research institutes-area/regional companies", added a Scientific and Technological Development Department, an R&D Center and an Industrial Incubation Center in the Technology Research Institute, set up special posts for scientific and technological innovation in subordinate subsidiaries in regions/regional subsidiaries, and specified leaders in charge of scientific and technological innovation and major responsible departments of units at all levels to provide organizational guarantee for the continuous promotion of scientific and technological innovation.

CR Power's organizational structure for sci-tech innovation

Centralized management departments	Positioning
Science and Technology Innovation Committee/Technical Committee	Being responsible for the management of the sci-tech innovation work and making decisions in this field
Science, Technology, and Digitalization Department	Taking charge of coordinated management of the sci-tech innovation business
Technical Research Institute	Undertaking major tasks such as scientific research innovation and technological breakthroughs, and providing products and technical services internally and externally
Subsidiaries in regions/regional subsidiaries	Being responsible for the implementation and demonstration of scientific research projects

Intellectual Property Protection

We attach great importance to intellectual property protection. Through measures such as improving systems, strengthening training, and promoting patent applications, we have comprehensively improved intellectual property management, protected the legitimate rights and interests of the Company's innovative achievements, and helped technology research and development and the transformation of innovative achievements.

System construction: According to the *Patent Management Standard of CR Power*, the Guidelines for *Intellectual Property Application of CR Power Technology Research Institute (Trial)* were issued to clarify the intellectual property application process.

Training improvement: We have conducted confidentiality training to enhance employees' awareness of intellectual property protection.

Application promotion: We have signed intellectual property agency service contracts with professional institutions and are fully responsible for promoting the application process and managing follow-up maintenance of patents, software copyrights, and trademarks.

Platform Foundation

We have further improved the sci-tech innovation platform system, continued to promote the construction of sci-tech innovation platforms, strengthened the Company's technology R&D and innovation capabilities, and laid a solid foundation for the company's innovative development. In 2024, the Company has built 28 sci-tech innovation R&D platforms in total, including 1 provincial and ministerial-level sci-tech innovation platform, 4 cooperative laboratories and R&D centers, 1 provincial sci-tech enterprise, 4 holding-level sci-tech innovation platforms, and 18 new sci-tech research teams.

Achievements in the construction of sci-tech innovation platforms in 2024:

- Guangdong Engineering Research Center for Carbon Capture and Utilization Technology was approved as a provincial and ministerial scientific research platform
- CR Power Wind Energy (Chengde Weichang) Co., Ltd. was certified as a small and medium-sized technology enterprise in Hebei Province
- Built an offshore photovoltaic outdoor demonstration joint base and a scientific research and innovation joint base with the Chengdu Product Quality Inspection Institute
- Co-built the Zhejiang Provincial Key Laboratory of Marine Carbon Sink Enhancement Process and Technology with Zhejiang University
- Co-established the Energy Technology and Sustainable Development Research Center with South China University of Technology

In 2024,

The R&D team size reached **870** people,

accounting for **3.98**% of the total number of employees

Cultivating Sci-tech Innovation Talent

We attach great importance to the key role of talent in sci-tech innovation and have built a competitive and high-quality innovative talent team by improving the talent introduction, training, and incentive mechanisms. In 2024, the Company introduced 2 leading talents, 2 "dual-competence" talents, and 4 backbone sci-tech talents in business units, cultivated 2 national youth trusteeship talent people, and added 134 new sci-tech talent people. The R&D team size reached 870 people, accounting for 3.98% of the total number of employees.

Introduction of sci-tech professionals

We have strengthened the top-level design of sci-tech talent introduction, set up a special task force for key work on high-level talent introduction, reviewed the current status of our talent pool, clarified talent standards, and promoted the introduction of sci-tech talents in an orderly manner. Besides, we have continued to broaden our talent introduction channels, established a three-in-one talent recommendation mechanism of "professional institutions + universities + industry circles", and explored and practiced flexible talent introduction and other methods to continuously deepen the introduction of sci-tech talents.

Training of sci-tech professionals

Through the combination of internal training and external cooperation, we have continued to improve the professional quality and innovation ability of sci-tech talent. Internally, we focus on the pain points and difficulties of scientific research personnel and carry out targeted training to improve their professional quality and project implementation abilities. Externally, we have deepened industry-university-research cooperation, working with Chongqing University, Southeast University, and other universities to promote special pilot programs for the cultivation reform of master's and doctoral engineering, and jointly cultivating interdisciplinary, applied, and versatile outstanding engineering talent. In addition, using the postdoctoral station of CR Power Technology Research Institute as a platform, we have introduced leading experts and scientific research resources from universities to promote postdoctoral training through cooperative R&D and academic exchanges. Three doctors have entered the station so far.

Incentives for sci-tech professionals

We have combined the salary incentive system of China Resources Group's sci-tech and skilled talent to promote the implementation of policies such as bonus points for sci-tech innovation achievements, separate total wages, and honorary commendations. In 2024, the Company issued systems such as the *Implementation Measures for Fault Tolerance and Correction in Scientific and Technological Innovation and Administrative Measures for Innovation Incentives* to clarify the incentive mechanism for scientific research innovation and encourage employees to participate more actively in scientific research innovation.

Accelerate the Transformation of Scientific Research Achievements

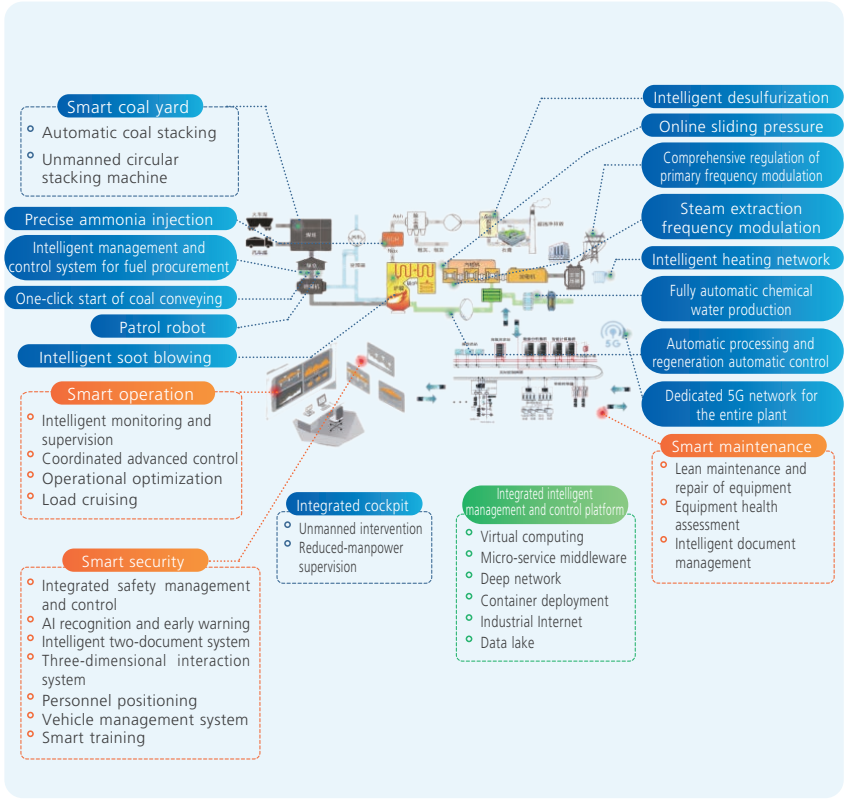
Focusing on the core needs of industry development, we have explored and optimized the transformation path of sci-tech achievements through measures such as improving the sci-tech innovation system, increasing R&D investment, perfecting innovation optimization mechanisms, etc., to promote the deep integration of science and technology with industry and help the industry's overall progress and development. In 2024, the Company applied for 249 new patents, with 420 newly authorized patents.

Performance in the transformation of sci-tech achievements:

- The intelligent detection system, life evaluation model, and risk warning system developed in the project of "Research on Key Technologies for Improving Reliability of Power Generation Equipment under the Background of New Power System" is conducive to improving the safety and operation reliability of power generation units. They have been applied in 11 enterprises and generated direct economic benefits of about RMB338 million.
- The "Hanyu Super-capacitance Energy Cloud System" project uses supercapacitors and advanced control algorithms to significantly improve the frequency modulation capacity of the power system. It has been promoted and used in many power generation companies, won 4 provincial and ministerial science and technology awards, and applied for more than 30 national patents.
- The "Renewable Energy Primary Frequency Regulation Technology Achievement Transformation Product" covers technologies such as the design, transformation, and commissioning of wind farm primary frequency regulation control schemes. It has been applied in more than 150 renewable energy stations of more than 10 power generation companies. The results have successfully applied for 1 national software copyright, 10 national invention patents, and published 3 papers.
- "Beichen Centralized Power Prediction System" optimizes and iterates the functional modules of real-time monitoring, transaction support, weather forecasting, and early warning based on the original product. It provides meteorological prediction services for 66 renewable energy stations in 7 regions, with an average prediction accuracy rate increase of 4% year-on-year in the service areas.

Building a Smart Energy Ecosystem

We continue to deepen digital transformation, fully promote the construction of landmark projects such as smart thermal power, renewable energy smart operation, and integrated energy digital platform, and accelerate the realization of business digitization, intelligent governance, and data element transformation. In 2024, the Company organized 23 digital training sessions, covering 42,685 trainees, effectively improving employees' digital capabilities. By the end of 2024, CR Power's digital coverage rate in key business links had increased to 83.49%.




Jiangsu Centralized Control Center


Hubei Centralized Control Center


Guangdong Centralized Control Center


Henan Centralized Control Center


Ningxia Centralized Control Center


Shanxi Centralized Control Center


Anhui Centralized Control Center


Guangxi Centralized Control Center


Yunnan Centralized Control Center

Digital transformation results:

- **Continue to empower the smart operation of thermal power:** We have taken the lead in compiling the national standard *Technical Requirements for Smart Thermal Power Plants* and continued to deepen the construction of smart power plants. Xiantao Company has continued to deepen the application of modules such as intelligent monitoring and operation optimization, while Shenshan Company has completed the construction task of smart power plants.

- **Serve the large-scale development of renewable energy:** The intelligent operation system of renewable energy has been successfully connected to 169 renewable energy stations in 11 provincial regions. With functions such as equipment early warning, maintenance management, and statistical analysis, centralized and standardized management of renewable energy stations is realized, significantly improving the efficiency of renewable energy power generation operation and management.

- **Support the expansion of integrated energy business:** We have launched a distributed photovoltaic monitoring and operation system, a virtual power plant control platform, and a charging cloud platform to realize the digital aggregation and remote adjustment of adjustable resources for "photovoltaic storage, charging, and loading". CR Sanjiu Guanlan Base, Jingwang Electronics, etc, have been included in the regulation demonstration to help expand the integrated energy business. A number of integrated energy digital benchmark demonstration projects, such as CR Medical Business Near-Zero Carbon Park, Nanjiang China Resources Green Hope Town, and Chongqing Banan District Digital Smart City, have been set up.

Strengthening Information Security Assurance

We always regard information security as an important part of the stable operation of enterprises, and we have comprehensively built a solid line of defense to ensure the safe and stable operation of our data assets and business systems. In 2024, CR Power achieved the "Three Zero" goal of zero accidents zero fines and zero complaint in information security.

Information Security Management

We continue to strengthen information security management, establish and improve data security management systems, optimize the organizational structure of information security management, and comprehensively improve the level of information security management. While ensuring the security of trade secrets and sensitive data assets, we have met regulatory compliance requirements.

System construction

The *Data Security Management Specification of CR Power* was issued to guide units at all levels to establish a data security management system and take technical measures to protect sensitive data assets; the *Guidelines for Construction of Cybersecurity Benchmarking Power Plants (Stations)* was issued to promote units at all levels to build high-standard cybersecurity benchmarking power plants (stations) and improve the Company's cybersecurity operation capability.

Organization construction

We have improved the organizational system of information security management, adjusted and optimized the network security and information technology leading group and the Intelligent and Digital Development Committee, and are fully responsible for the decision-making, overall planning, promotion, and implementation of network security work. We have also clarified the primary responsibilities of network security at all levels. A network security working group is set up to oversee the daily supervision and implementation of the Company's network security work and ensure the efficient operation of the information security management system.

Network security protection

We have strengthened network security technology protection and enhanced network security protection capabilities by enabling the mobile office data security version, promoting the use of digital certificates, launching a data terminal leakage prevention system, upgrading the "CR Work" mobile terminal, and activating a new generation of secure mailboxes.

Information security training

The Company actively organized information security publicity and training activities such as the "National Anti-Fraud Action" concentrated publicity month, network security learning month, network security publicity week, and anti-phishing theme training to enhance employees' safety awareness. We also supported professionals to participate in internal and external information security training and certification, such as CISP, CISA, CISSP, and CISAW. As of December 2024, 61 people had obtained information security professional certification, with a total of 93 certificates.

Case

Network security attack and defense drill

In 2024, CR Power conducted a network security attack and defense drill and successfully achieved zero point loss in its information system. During the drill, the Company adopted a dynamic switching strategy of defense strength to effectively optimize resource allocation while maintaining all-day monitoring and rapid response to ensure that network attacks can be blocked at the first time and the safe operation of the system can be guaranteed. This drill has improved the Company's practical capability in network security protection and also provided a solid guarantee for coping with complex network security challenges in the future.

Case

Theme activity of network security week

In September 2024, CR Power launched a themed activity for the network security publicity week. Through various forms such as network security poster publicity, special training, quiz contests, and network security training on campus, it comprehensively carried out network security publicity and education to create an intense atmosphere for all employees to pay attention to network security and improve their alertness and ability to deal with network risks.

Promoting Win-win Cooperation

CR Power adheres to the development concept of "Open Collaboration and Mutual Benefit". By optimizing the supply chain management system, expanding diversified cooperation networks, and strengthening industry exchanges and interactions, it has continued to enhance the resilience of the supply chain, improved the collaborative efficiency of the industrial chain, and promoted high-quality development of the energy industry.

Building a Responsible Supply Chain

We have continued to improve the supplier life cycle management system and rules and regulations, such as the *Supplier Management Measures* and *EHS Management Guidelines for Related Parties*. By doing so, we have strengthened supply chain risk prevention and control, enhanced supply chain resilience, ensured the safe and stable operation of the supply chain, and promoted its development in a more sustainable direction.

Carrying out responsible procurement

The Company insists on integrating the concept of sustainable development into procurement decisions and procurement processes, practicing transparent and green procurement, and giving priority to suppliers with good sustainable development performance.

We adhere to the principle of transparent procurement and incorporate integrity and compliance requirements into the entire procurement process. On the one hand, both bidding and non-bidding projects have realized full-process electronic procurement through China Resources Group's Shouzheng Electronic Bidding Platform, with a digital procurement rate of 100%, ensuring that the procurement process is open, fair, and just. On the other hand, we have updated the "Transparent Procurement Declaration" to the *Integrity and Compliance Commitment Letter* to further strengthen integrity cooperation requirements and prevent integrity risks from the source.

We adhere to the concept of green procurement and continuously optimize the procurement strategy. We have promoted the upgrading of PV module procurement from P-type to N-type, and strengthened the requirements for product quality and green environmental protection. We have also adjusted the evaluation criteria for wind turbine procurement while encouraging equipment manufacturers to improve the maturity of equipment technology and the green manufacturing level. Priority was given to suppliers with strong environmental protection and social responsibility, who were required to sign EHS management agreements. In 2024, the Company's supplier certification rate for quality, environment, and occupational health and safety management systems reached 100%.

Strengthening supplier management

The Company has built a management system covering supplier access, evaluation, training and other links. Strictly based on the supplier management system, it has carried out supplier evaluation and supplier training to ensure the safety and stability of the supply chain.

System optimization

The *Procurement Management System* was revised to further clarify the overall requirements for supplier management, qualified supplier database, supplier evaluation, integrity and compliance commitment letter, etc., optimize procurement principles and processes, and promote standardization and normalization of procurement.

Training empowerment

We provide training and guidance for suppliers through meeting exchanges and on-site inspections to help them improve their EHS management in the process of equipment production and engineering construction.

Dynamic evaluation

We have established a sound supplier evaluation system to regularly carry out supplier performance evaluation every year, and conduct normal management of suppliers' contract-implementing capabilities to effectively improve their contract-implementing capabilities. In 2024, 8,938 suppliers were evaluated annually, and the excellent rate was about 97%.

Number of suppliers by region

Jiangsu	unit	1,843	Guizhou	unit	162	Jiangxi	unit	116
Henan	unit	1,323	Shanxi	unit	278	Fujian	unit	188
Guangdong	unit	976	Hunan	unit	384	Beijing	unit	603
Hubei	unit	604	Anhui	unit	452	Qinghai	unit	65
Hebei	unit	1,108	Ningxia	unit	111	Xizang	unit	2
Shandong	unit	908	Gansu	unit	221	Jilin	unit	60
Inner Mongolia	unit	298	Heilongjiang	unit	115	Shanghai	unit	463
Liaoning	unit	795	Shaanxi	unit	289	Xinjiang	unit	72
Guangxi	unit	249	Yunnan	unit	179	Hainan	unit	16
Zhejiang	unit	406	Sichuan	unit	277	Tianjin	unit	243

Controlling supply chain risks

We attach great importance to the identification, evaluation, and control of potential compliance risks and integrity risks in the supply chain. Through measures such as implementing active supervision and control beforehand and carrying out special rectification of corruption problems in the bidding field, we have maintained the integrity of the Company's supply chain and promoted its healthy and stable development.

Prior active supervision and control of procurement activities

For high-risk links in the procurement process, the *Work Tip on Further Strengthening Risk Management and Control of Procurement Business* was issued to improve the risk awareness of procurement personnel; the *Working Opinions on Further Standardizing Bidding Planning, Preparation and Review of Bidding Documents and Other Activities* was issued to standardize the working procedures for the preparation and review of bidding documents of each unit. Professional tools, such as Qixinbao, were used to identify violations by suppliers in the bidding process and reduce procurement risks.

Special rectification of corruption in bidding

According to the overall deployment of the *Special Rectification Work Plan of China Resources Group CPC Committee for Deepening Corruption in Bidding* and *the Special Rectification Work Plan of CR Power CPC Committee for Deepening Corruption in the Energy Field*, we have focused on prominent issues in procurement bidding, investigated and sorted out integrity risks, analyzed the causes of the problems, formulated rectification measures, and ensured compliance and efficiency of procurement activities.

Strengthening supply chain resilience

We have taken multiple measures to ensure the stable supply of suppliers, continuously improved procurement efficiency, and enhanced supply chain security, strongly supporting the steady operation of the Company's production activities.

Coordinate the supply progress: In the face of large-scale centralized supply needs for thermal power construction projects and wind power project equipment, we have taken the initiative to contact the thermal power main engine factories to coordinate the supply progress with the wind turbine factories to ensure that the equipment could arrive on time.

Solve performance disputes: We have actively and properly resolved performance disputes with construction contractors, avoided service interruption caused by contract disputes, and ensured the projects' timely progress.

Strengthen cooperation and exchanges: We have strengthened exchanges and cooperation with key equipment suppliers, such as wind turbines and photovoltaic modules, and cultivated strategic cooperation units for common development.

Strengthen supervision management: The *Notice on Strengthening Equipment Supervision Management for Thermal Power Construction Projects* was issued to clarify the requirements for equipment supervision management. We have also promoted equipment supervision units to launch online supervision information systems, realize data collation, online access, and other functions and improve the equipment supervision management.

Deepen Diversified Strategic Cooperation

We have continued to deepen cooperation with partner enterprises of China Resources Group, local governments, upstream and downstream enterprises in the industrial chain, universities, and research institutions to promote resource sharing and complementary advantages, build a multi-dimensional cooperation ecosystem, and promote win-win cooperation and common development with enterprises and industries.

Internal collaboration

We have fully exploited China Resources Group's internal resources, explored the business coordination mechanism, promoted in-depth cooperation among various business units, and realized efficient resource allocation and value co-creation.

Case

CR Power and CR Sanjiu signed a renewable energy power generation cooperation agreement

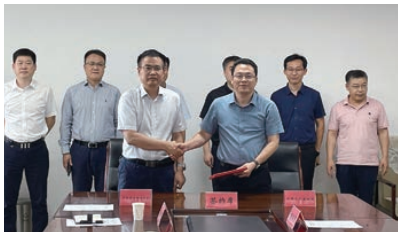
In May 2024, we officially signed the Cooperation Agreement on Renewable Energy Power Generation Projects with CR Sanjiu. We planned to cooperate in-depth in renewable energy power generation projects, such as the Medicine-Solar Hybrid PV Power Generation Project. This cooperation will not only help CR Power continue to expand its renewable energy business but will also strongly support CR Sanjiu's continuous improvement of its business strategies in the traditional Chinese medicine industry chain and strengthening of its sustainable development capabilities.

External collaboration

We have actively deepened cooperation with local governments, upstream and downstream enterprises in the industrial chain, and scientific research institutions to expand business areas and achieve mutual benefit and win-win results.

- **Government-enterprise cooperation:** We have actively implemented the regional coordinated development strategy, innovated government-enterprise cooperation models, and expanded the boundaries of cooperation. In 2024, we signed a cooperation framework agreement on renewable energy + microalgae carbon sequestration industry with the People's Government of Sheqi County, Nanyang City, Henan Province to promote the implementation of 100 MW wind power construction project and supporting microalgae carbon sequestration industry and help Sheqi County's economic development and energy structure transformation. Moreover, the Company signed cooperation agreements with the governments of Yunhe District, Cangzhou City, Fogang County, Jiuquan City, and other places to obtain a number of renewable energy project permit successfully, thus promoting local economic development and energy structure transformation and achieving mutual benefit and win-win results.

Guangdong CR Carbon Energy Technology Co., Ltd. signed an agreement with Sheqi County, Nanyang City, Henan Province



Cangzhou Company and the Yunhe District Government of Cangzhou City signed a integrated energy strategic cooperation agreement

Guangdong Renewable Energy Company and the Government of Fogang County signed a cooperation agreement on the Shanquan Wind Power Project under the "Hundred, Thousand, and Ten Thousand Project"

- **Enterprise-enterprise linkage:** We have formulated the management measures for major customers of strategic cooperation and established an information base for them. In 2024, nine new strategic cooperation agreements were signed and 91 strategic partners were formed. The focus was on cooperating with central SOEs, such as Dongfang Electric Corporation, CRRC, and CSCEC, and local SOEs, such as Gansu Electric Power Investment Group Co., Ltd., and Inner Mongolia Energy Group Co., Ltd., to jointly promote energy structure transformation and local economic development.

CR Power and Inner Mongolia Energy Group Co., Ltd. signed a strategic cooperation agreement

CR Power signed renewable energy project cooperation agreements with Gansu Electric Power Investment Group Co., Ltd. and Gansu Energy Chemical Co., Ltd.

Shenshan Company, together with Tencent and North China Electric Power University, launched a research project on catalytic desorption technology of the amine decarbonization system

Beijing-Tianjin-Hebei Renewable Energy Co., Ltd. signed a strategic cooperation agreement with Delixi Electric Co., Ltd.

- **School-enterprise cooperation:** We have continued to build a "industry-university-research-application" sci-tech innovation ecosystem, carry out in-depth scientific research project cooperation with Zhejiang University, South China University of Technology, Southern University of Science and Technology, Shandong University, Chongqing University, Dalian University of Technology, Hong Kong Polytechnic University, City University of Hong Kong, and other well-known universities, jointly promote talent training and technological innovation, and promote the integrated development of industry, university, research and application.

Case

Jointly building the Energy Technology and Sustainable Development Research Center with South China University of Technology (SCUT)

In December 2024, CR Power signed a cooperation agreement with SCUT. They would establish the Energy Technology and Sustainable Development Research Center to cooperate on key generic technology R&D in the energy technology field. In the next five years, CR Power will invest RMB50 million to support the center's research in renewable energy power generation, clean and efficient utilization of coal, new power systems, and digital intelligent applications. The cooperation not only marks the deep alliance between the two parties in energy technology innovation but also reflects CR Power's active responsibility in promoting energy transformation and talent training, providing strong support for the sustainable development of the energy industry.

- **Overseas collaboration:** We have actively expanded overseas business, promoted the implementation of energy projects through in-depth cooperation with international partners, and enhanced the Company's influence in the global energy market.

Case

CR Power Thailand Representative Office was unveiled, opening a new chapter in overseas business

In September 2024, the CR Power Thailand Representative Office was officially unveiled. The event was attended by Wang Xiangming, Chairman of China Resources Group, Lan Yi, Deputy General Manager of China Resources Group, Chen Rong, Chief Strategy Officer of China Resources Group, Shi Baofeng, Chairman of the Board of Directors of CR Power, Zhang Wei, Chairman of CR Longdation, and other senior managers. Establishing the Thailand Representative Office marks an important milestone in the Company's international strategy and symbolizes further progress in its overseas business. The Company will take this as a new starting point, actively respond to the" Belt and Road Initiative", deepen cooperation with Southeast Asian countries, and contribute to local economic and social development.

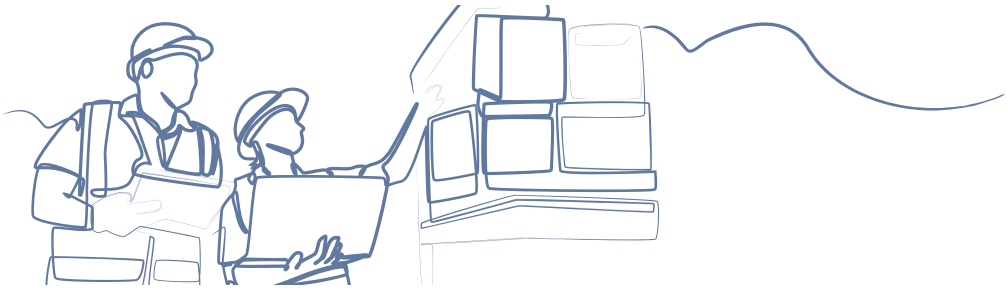
Expanding the Development Potential of the Industry

We actively participate in the formulation of industry standards and technical exchanges, organize and participate in industry exchange activities, promote the standardized development and technology sharing of the industry, and help the transformation and upgrading of the energy industry.

Participating in the formulation of industry standards

We have actively participated in formulating industry standards, led or participated in preparing national, regional, and local standards, promoted industrial technology progress through standardization work, and enhanced the Company's influence and discourse power in the energy field.

The Second Symposium on the Formulation of the Group Standard *Technical Guidelines for Optimization Control of Urea Denitrification in Thermal Power Units*



Case

Leading the preparation of the first national standard for smart power plants in the thermal power industry

In 2024, *Technical Requirements of Smart Thermal Power Plant GB/T 44770-2024,* the first national standard for smart power plants in the thermal power industry led by CR Power Technology Research Institute, was officially released and implemented. This standard covers the basic concepts, system architecture, technical routes, functional requirements, performance indicators, and evaluation methods of smart thermal power plants. It innovatively proposes the concept of "intelligent management and control platform integration + interoperable intelligent application collection", provides comprehensive technical guidance for the planning, design, construction, commissioning, acceptance, maintenance, and evaluation of smart thermal power plants, and fills the gap in the domestic smart power generation standard system.

Participating in industry exchange activities

We have actively built exchange platforms, participated in industry activities, shared development experiences, discussed cooperation directions, promoted technology sharing and collaborative innovation, and contributed to the sustainable development of the industry.

Case

Participating in the 2nd CISCE

In November 2024, CR Power participated in the Clean Energy Chain Exhibition of the 2nd China International Supply Chain Expo. With the theme of "Linking Energy to Improve Life", it focused on displaying its leading achievements in the layout of the clean energy industry chain, including green supply, intelligent supply, source-grid-load-storage supply, and collaborative supply chain ecology, attracting many industrial units and foreign delegations to visit the booth for research and exchange. In this exhibition, CR Power actively shared its experience and achievements in supply chain construction in clean energy with peers, contributing to promoting the high-quality development of the clean energy industry.

Case

CR Power – Hong Kong Polytechnic University Special Matchmaking Exchange Meeting

In October 2024, the CR Power – Hong Kong Polytechnic University Special Matchmaking and Exchange Meeting was successfully held at Hong Kong Polytechnic University. During the meeting, CR Power and Hong Kong Polytechnic University adhered to the cooperation idea of "Hong Kong's strengths, CR's capabilities" explored areas for potential co-operation in depth, and made it clear that they would focus on three key directions: "laying out cutting-edge technologies", "supporting clean power generation" and "cultivating emerging industries" to carry out further scientific research project cooperation and jointly promote the transformation and application of scientific and technological innovation results.

Building a Beautiful Community

In 2024,

The Company invested RMB **19.79** billion in rural revitalization

And carried out **11** industrial investment cooperation assistance projects

CR Power has adhered to the concept of "creating a better life together and empowering community development". It has helped rural revitalization through green energy, consumption assistance, infrastructure construction, talent cultivation, and other measures. At the same time, it has conveyed warmth with public welfare power, solved people's livelihood problems with innovative practices, and injected lasting impetus into the high-quality development of communities.

Boosting Rural Revitalization

Electricity goes first in rural revitalization. The Company has actively responded to the national call, fully exploited its resource platform advantages, taken green energy as the engine, and promoted rural economic development in accordance with local conditions through industrial integration innovation, infrastructure improvement, and other means. In 2024, the Company invested RMB46.46 million in non-reimbursable donations (including in-kind) in rural revitalization, benefiting 13,629 people in 4,484 households.

Promoting the upgrading of rural industries

Based on core technologies and industrial advantages such as wind power, photovoltaic, and marine economy, the Company has deepened the application of green energy in rural revitalization, explored the "renewable energy +" industry assistance path, and created long-term benefits for farmers through photoelectric and wind power poverty alleviation, culture and tourism integration and other modes, while promoting rural green and low-carbon development. In 2024, the Company invested RMB19.79 billion in rural revitalization and carried out 11 industrial investment cooperation assistance projects.

Case

Lanxian Chunhui PV Power Station Photovoltaic Poverty Alleviation Project of Shanxi Renewable energy Company

The Chunhui PV Power Station of China Resources Renewable Energy (Lanxian) Co., Ltd. is a photovoltaic poverty alleviation project jointly built by CR Power and Lanxian Modern Agricultural Development Investment Co., Ltd. It was included in the first batch of Shanxi Province's photovoltaic poverty alleviation lists and incorporated into the province's key projects in 2017. From 2017 to 2024, a total of RMB28.8 million of minimum poverty alleviation security funds was paid, and RMB3.6 million of minimum poverty alleviation security funds was paid to Lanxian Modern Agricultural Development Investment Co., Ltd. in 2024.

Broadening the channels for rural prosperity

Focusing on "co-branding + channel innovation", the Company has promoted consumption assistance from single procurement to coordinated upgrading of the industrial chain. Through e-commerce platforms, live streaming marketing, and deep processing base construction, it has opened up sales channels for agricultural products and enhanced their added value. In 2024, CR Power purchased a total of RMB2.30 million of agricultural products from former national poverty-stricken counties and the former Central Soviet Area.

Upgrading rural infrastructure

The Company has focused on infrastructure construction and invested capital, technology, and resources to improve rural transportation and public service facilities and build beautiful villages.

Stimulating the endogenous driver of villages

We have been committed to building a long-term empowerment mechanism for rural talent, assigning outstanding individuals to serve as "First Secretaries" in the villages and go deep into the frontline of rural communities to help them have a comprehensive insight into the current situation of rural development and add robust momentum to rural revitalization.

Case

Consumption assistance of Chongqing Energy Investment Group promoted the sales of special agricultural products in Bancang Village

Chongqing Energy Investment Group has invested more than RMB800,000 in Bancang Village, Yanwan Township, Fengjie County, Chongqing Municipality to purchase local special agricultural products such as crisp plums and preserved meat through consumption assistance. It has effectively solved the problem of selling agricultural products and formed a virtuous circle of "enterprise support + industrial development + farmers' benefits", providing strong support for villagers to increase their income and become rich.

Case

Chongqing Energy Investment Group supported the construction of rural roads in Fengjie County

Chongqing Energy Investment Group invested RMB600,000 in Bancang Village, Yanwan Township, Fengjie County, Chongqing City for the hardening project of earth-stone roads in the village, totaling about 1.7 kilometers, to solve the villagers' travel problems. The project has greatly improved the travel conditions of villagers and provided strong support for local agricultural product transportation and economic development. In addition, Chongqing Energy Investment Group donated RMB100,000 to renovate the Convenience Service Center and Square in Bancang Village to improve public service facilities.

Case

Hope Town Talent Revitalization Plan in Jianhe County

Guizhou Company applied for the training project of improving the ability of homestay practitioners of the Ministry of Agriculture and Rural Affairs for the Jianhe CR Hope Town, organized 31 local township cadres to go to Anhui and Zhejiang for investigation on homestays, and provided professional training for 16 homestay butlers to help them obtain qualification certificates, thus promoting the development of local rural tourism industry. At the same time, Guizhou Company and China Resources Land (Guiyang) Limited donated RMB10,000 in scholarships to poor students, caring about the education and talent development of small town residents.

Mao Xihe, the company's first secretary in the village, communicated with the villagers about relevant policies.

Dedicated to Charity and Public Welfare

We have actively participated in charity and public welfare activities, formulated and implemented the *Management Measures for External Donations*, and carried out public welfare activities such as offering loving condolences, donating money to support education, promoting environmental protection and public welfare, publicizing electricity use, etc., to pass on the warmth and care of CR Power to the society. In 2024, we had 1,760 volunteers and carried out 174 voluntary activities with a total of 3,480 participants, investing RMB51.17 million in charity.

In 2024,

Investing RMB **51.17** million in charity

Sending warmth with love and care

We have actively carried out a series of caring activities and put our care into practice through various measures such as visiting poor villagers in the surrounding areas, checking villagers' power lines, and providing health checks and medical services to older people.

Condolences to surrounding poor villagers during holidays

Check power lines in surrounding villagers' homes

"Loving People in the Hometown of Jujube, Warming the World with Love" charitable donations for needy families

"Warm Winter" volunteer service activities

Flood control and disaster relief show responsibility

We have actively responded to the challenges of natural disasters and provided timely assistance to the victims. During the Xijiang flood, the Company immediately organized rescue teams to rush to the front line of flood control and closely cooperated with the local government to help villagers evacuate dangerous areas in an orderly manner. At the same time, the Company also took the initiative to allocate a large number of daily necessities to provide basic living security for the affected villagers.

Party members and masses directed the transportation of supplies during the Xijiang flood

Donating money to support education and promote students' growth

We have continuously paid attention to community education and organized diversified public welfare activities to help students. In September 2024, we completed seven more "Energy Classrooms" in rural areas of China such as Wangmu County in Guizhou, Liangshan Prefecture in Sichuan and Gannan Autonomous Prefecture , benefiting 8,500 students. By the end of 2024, we had already completed 14 "Energy Classrooms" across China, benefiting over 12,500 students.

The "Energy Classroom" teaching site

Electricity Safety in Campuses

We have cooperated with many universities and local communities to jointly carry out the volunteer teaching activity of "I Do Practical Things for People, Power Safety Science Popularization in Campuses". In March 2024, young representatives of Weihai Wind Farm visited local campuses and vividly educated primary school students on how to scientifically and safely use various household appliances and basic emergency measures for electric shock through a variety of science popularization forms such as graphic explanations, safety electricity promotional videos, and interactive question-answering with children, thereby enhancing their awareness of safe electricity use.

Weihai Wind Farm carried out the "Electricity Safety in Campuses" science popularization public welfare activity

People-oriented, Enhance Sustainable Momentum

Governance

Adhering to the people-oriented concept, CR Power thoroughly implemented China Resources Group's talent planning requirements during the "14th Five-Year Plan" and provided strong talent support for its high-quality development.

- In terms of organizational structure, a human resources management system with the Company's Board of Directors as the leadership core and the human resources department as the leader is established, and a compensation committee is set up to participate in the formulation of compensation policies, performance reward mechanisms and other actions; the EHS Committee is served as the decision-making and supervision body for matters related to production safety, and the EHS Committee Office is responsible for the specific implementation of work related to production safety.
- In terms of system construction, a series of internal management systems have been formulated. Regarding protecting the rights and interests of employees, we have formulated systems such as the *Recruitment Management Measures and Cadre Management Regulations* to protect the rights and interests of employees. Regarding employee training and development, the *14th Five-Year Plan Talent Planning of CR Power* was formulated to help talents grow comprehensively. In terms of production safety, we have established and improved the EHS responsibility system, signed EHS target responsibility letters at all levels, and clarified production safety goals and management responsibilities.

Strategy

Guided by the goal of "caring for and treating employees, respecting people's value, developing their potential, sublimating their hearts, and sharing development achievements with them", we have carried out a series of actions around the four cores of employee rights and interests, employee development, employee care, and work safety to introduce, accumulate, cultivate and make good use of talent in an all-round way.

- Respect the rights and interests of employees: Guarantee equal employment, improve salary and welfare, and smooth democratic communication channels.
- Motivate employees to make progress: Design training programs, carry out talent identification, and optimize promotion and evaluation mechanisms.
- Care for employees' lives: Care for female employees, organize recreational and sports activities, and pay attention to occupational health.
- Protect employee safety: Build a safety management system, conduct safety training, and strengthen emergency management.

Risk management

Under the rapid change and intensified competition in the industry, CR Power is facing the challenge of talent management. When attracting talent, it is necessary to highlight its own advantages among many enterprises and obtain excellent talent resources; regarding retaining talent, it is necessary to build a perfect mechanism and a high-quality environment. With technology iteration and business expansion, there is an urgent need to improve the ability of employees, which has put forward higher requirements for the Company's training and growth mechanism. Satisfying the diversified needs of employees and improving the care and safety guarantee system are also important issues to be solved urgently.

Key indicators

Ensured **100**% labor contract signing rate and social security coverage rate

Employee training investment reached RMB **26.76** million

Investment in workplace safety: RMB **1,013.39** million

SDGs

Respect the Rights and Interests of Employees

In 2024

The Company received **zero** complaint regarding human rights issues

The Company's labor contract signing rate reached **100**%

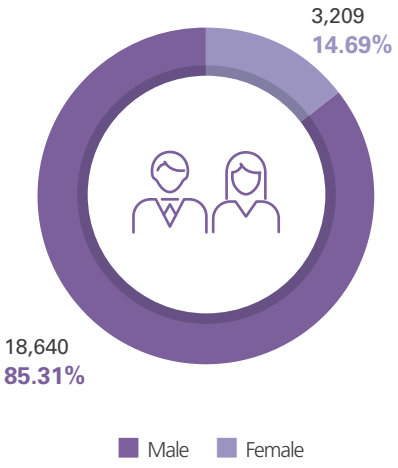
Insisting on equal employment, CR Power has expanded employment capacity, improved the salary and welfare system, and unblocked democratic communication mechanisms, actively creating an inclusive and open talent training environment, effectively protecting the legitimate rights and interests of all employees, and building harmonious and stable labor relations.

Employment in Compliance with Laws and Regulations

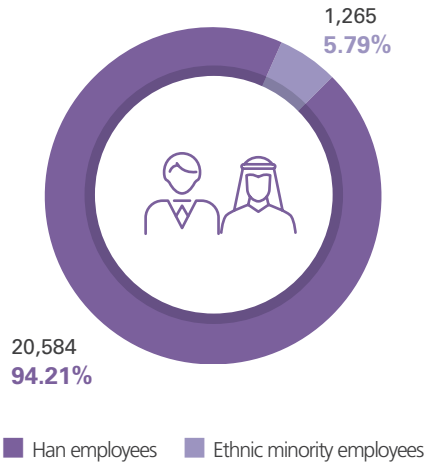
We have strictly abided by the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China*, and other laws and regulations, supported the *Universal Declaration of Human Rights* and the *International Covenant on Human Rights*, complied with the provisions of the International Labour Organization (ILO) and the United Nations Global Compact on human rights, provided equal employment opportunities for the majority of workers, protected the legitimate rights and interests of every employee in accordance with the law, adhered to equal and diversified employment, and eliminated discrimination. In 2024, the Company received zero complaints regarding human rights issues, experienced no significant labor disputes, and employed no child labor.

We have strictly abided by the *Recruitment Management Measures* formulated by the Company, issued the *Notice on Continuously Strengthening Recruitment Management*, continued to standardize talent recruitment management, and strictly kept confidential employees' personal resumes, family information, salary information, health information, etc. in recruitment, assessment, compensation and other links to ensure that the employment procedures are compliant and transparent; We have formulated and optimized relevant regulations such as the *Regulations on Cadre Management* and the *Guidelines for the Management of Middle-level Managers* to create a fair, just and open organizational atmosphere. In 2024, the Company's labor contract signing rate reached 100%.

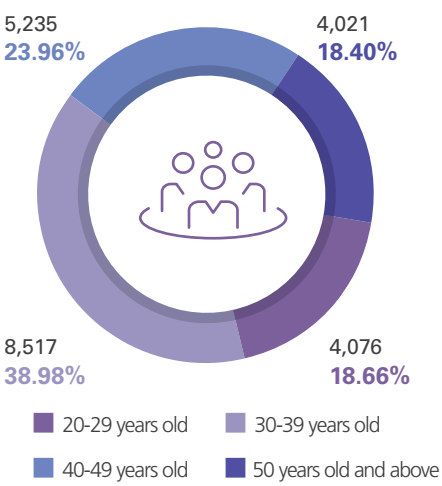
Gender distribution of employees



Ethnic distribution of employees

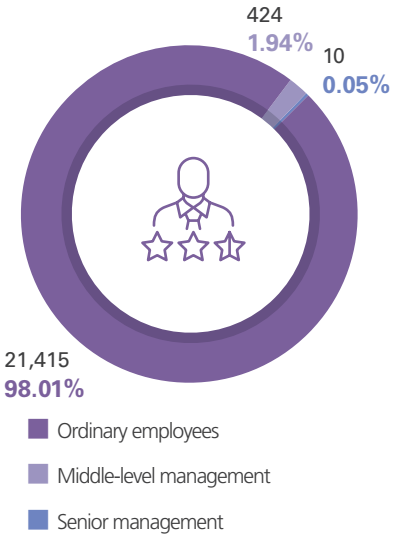


Age distribution of employees

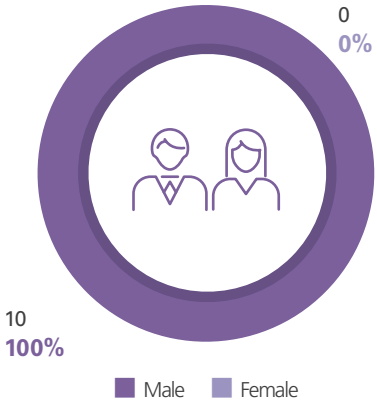


Indicators		Proportion in 2024 (%)
Employee turnover rate by gender	Female	2.2
	Male	1.6
Employee turnover rate by age	20-29 years old	3.2
	30-39 years old	1.8
	40-49 years old	1.2
	50 years old and above	0.6

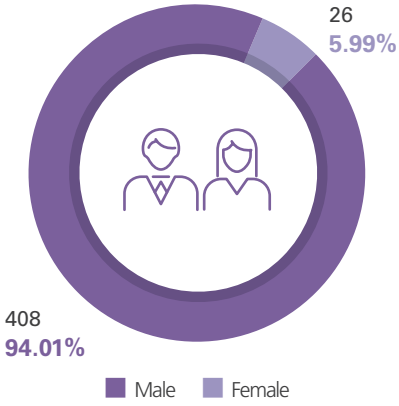
Rank distribution of employees



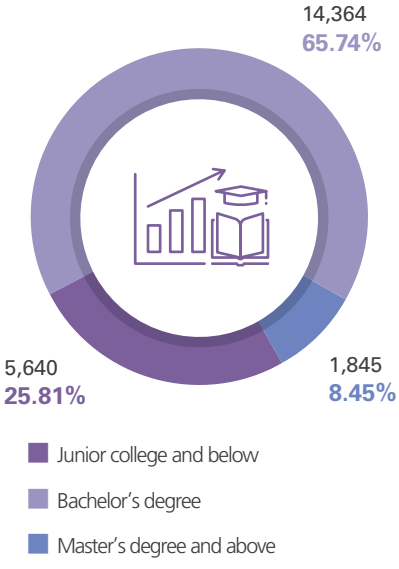
Gender distribution of senior management



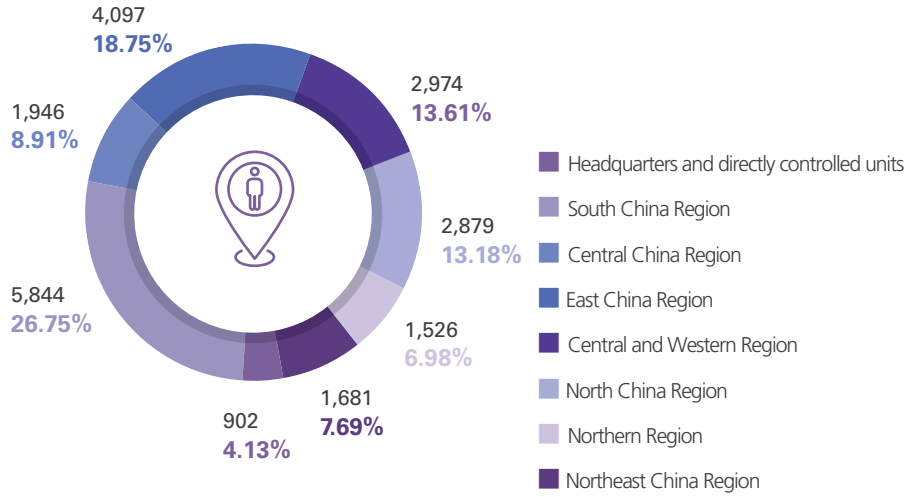
Gender distribution of management



Educational background distribution of employees



Regional distribution of employees



Helping Talent Employment

In 2024,

The Company recruited a total of **1,159** employees,

Including **649** from campus recruitment

And **510** from social recruitment

We have actively implemented the national policy of stabilizing employment and expanding employment, focused on key points to innovate business needs, hunted targeted talent, provided employment opportunities for the majority of talent, and continuously consolidated the long-term talent reserve of the Company. In terms of supporting the employment of veterans, migrant workers, Hong Kong youth, and other groups, we have implemented classified policies to promote high-quality employment of key groups. In 2024, the Company recruited a total of 1,159 employees, including 649 from campus recruitment and 510 from social recruitment.

Attracting talents through multiple channels

We have continuously explored diversified recruitment channels, published recruitment information online through official websites and WeChat accounts, talent websites, social platforms, government recruitment platforms and other channels, actively deepened school-enterprise contacts offline, participated in special recruitment activities, and participated in the central enterprises' campus recruitment for Xizang, Qinghai, and Xinjiang with the theme of "Caring for the Three Places, Nurturing New Beginnings", attracting a total of 56 young talent people. In 2024, the Company successfully carried out campus recruitment publicity in nearly 50 colleges and universities, laying a solid foundation for absorbing high-quality talent.

CR Power 2025 Campus Recruitment Site

In 2024:

Employment assistance to Xinjiang	7 college students from Xinjiang have been employed; 9 employees from Xinjiang have been recruited from society; the project construction has created about 8,300 jobs for local people.
Employment assistance to Xizang	2 branches have been set up in Xizang, with a total of 3 Xizang employees.
Employment assistance to Qinghai	There are 103 on-the-job employees in Qinghai, including 43 from Qinghai and 12 from ethnic minorities. In 2024, 15 new employees from Qinghai were recruited.

Flexible support for the employment of various groups

Employment of veterans:

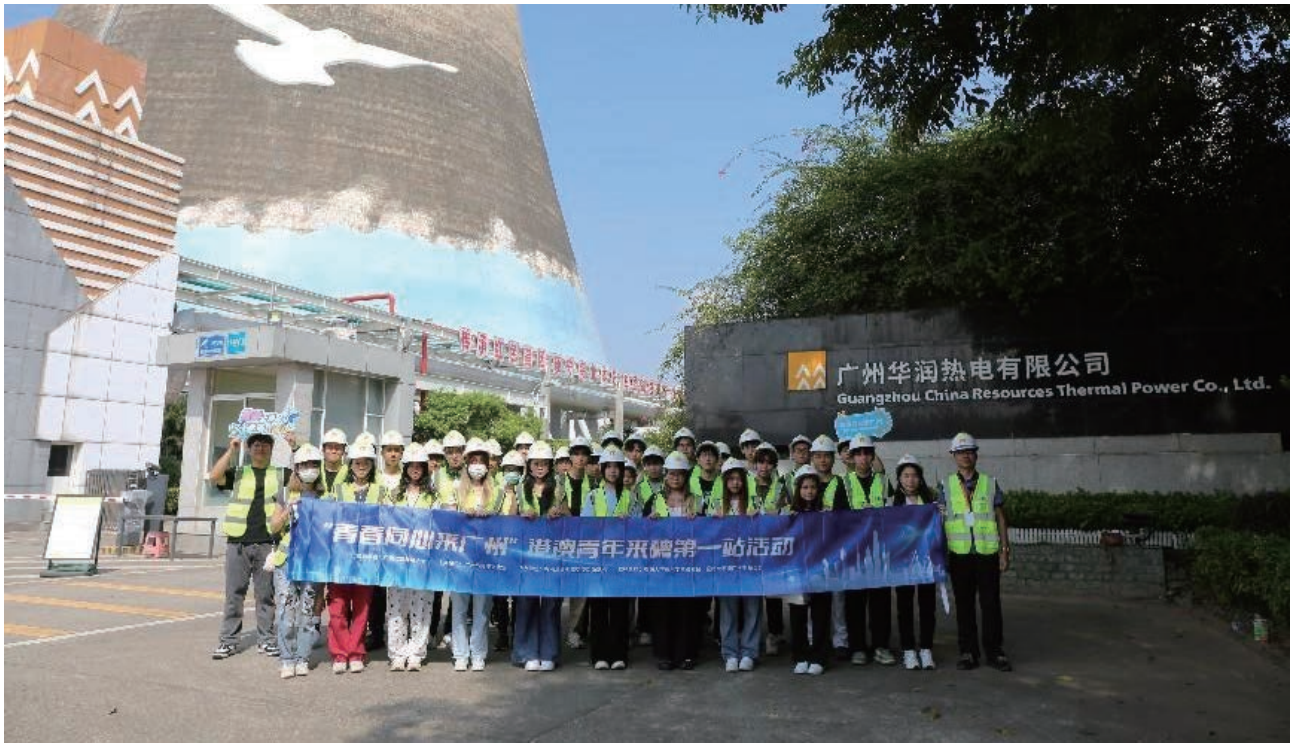
We have taken the initiative to communicate with government departments, attended relevant meetings and established a normalized contact mechanism, and introduced enterprise positions and other information to assist in job selection. Each resident enterprise has arranged special personnel to be responsible for onboarding, training, and psychological counseling of veterans. In 2024, the Company provided 7 positions for veterans and accepted and resettled 4 veterans. By the end of 2024, a total of 34 veterans had been received.

Employment of migrant workers:

The *CR Power Employment Guidelines* were issued, and the flexible employment experience of various units was summarized to form the *Flexible Employment Case Collection*, which has been distributed for sharing. In 2024, the Company's subordinate units provided jobs for more than 10,000 migrant workers through labor dispatch and service outsourcing.

Employment of Hong Kong Youth:

We have actively participated in the Group's Hong Kong Campus Job Fair, Autumn Recruitment Exhibition for Talented Students in Hong Kong, and other Hong Kong government internship programs such as "Youth Test-Summer Internship Program for Undergraduates in Hong Kong". In 2024, we recruited 10 Hong Kong interns and organized China Resources Group's Hong Kong interns to visit and study at CR Power's subsidiaries, providing employment and practice opportunities in the Chinese mainland for Hong Kong Youth.



Hong Kong and Macao undergraduates visited CR Power for internship activities

In 2024,

The Company's social insurance coverage rate reached **100**%,

With employees entitled to an average of **8** paid vacation days per year

Improving Salary and Welfare

We have cherished the efforts of every employee, adhered to the subsidy/welfare policy of "legality and compliance, universality and basic guarantee", provided competitive salary and benefits, and enhanced employees' happiness and sense of gain; implemented full-staff performance appraisal, given full play to the leverage role of salary and benefits, and effectively mobilized the enthusiasm of the majority of employees. In 2024, the Company's social insurance coverage rate reached 100%, with employees entitled to an average of eight paid vacation days per year.

Performance assessment

The Company has implemented full-staff performance management and established an incentive and constraint mechanism and a performance result communication and feedback mechanism to continuously help employees improve their personal performance. It has fully implemented the term system and contractual management of management members, adopted a combination of annual evaluation and three-year term evaluation, strengthened the link between evaluation results and salary incentives, and established a correlation between management's salary performance evaluation and sustainable development performance, to give full play to the key role of performance evaluation in promoting the overall development of the Company.

Incentive schemes

The Company has adopted consistent annual performance bonuses and term incentive verification strategy, which are strongly linked to the Company's main operating indicators and fully reflect performance orientation. We have deeply implemented the action of deepening and upgrading the reform of state-owned enterprises, increased investment in scientific and technological innovation research and development, continuously optimized the verification method of annual performance bonuses for scientific researchers, enhanced the post value of innovative and R&D personnel, further activated the driving force of scientific and technological research and development, and helped the high-quality development of new businesses.

Welfare subsidies

The Company has formulated a reasonable vacation policy, and employees can enjoy annual leave, sick leave, and other statutory holidays in accordance with national laws; it has strictly implemented the vacation regulations for pregnant female employees to protect the rights and interests of female employees. It has paid the "five insurances and one fund" for employees on time and in full and paid supplementary pension insurance and commercial insurance; it has paid enterprise annuities for employees to improve their quality of life after retirement; it has issued various statutory allowances and benefits, continuously improved the salary and welfare system, and enhanced employee satisfaction and company competitiveness.

Deepening Democratic Management

We have actively expanded diversified democratic communication channels, continuously established the democratic management system, and improved the system of the congress of workers and staff, employee symposiums, leadership mailboxes, visits, and investigations, as well as other two-way communication channels, thereby widely collecting employees' opinions or suggestions and ensuring the effective implementation of employees' rights to know, to participate, to express, and to supervise; We have also carried out daily publicity and implementation of the reporting mechanism and channels for complaints against corruption and ensured independent reporting and open channels, making unremitting efforts to create an inclusive and open environment for talent training. In 2024, 2 congresses of workers and staff at the headquarters were held, 90 activities for employee suggestions were carried out by various units, and 1,093 employee suggestions were collected.

In 2024,

2 congresses of workers and staff at the headquarters were held,

90 activities for employee suggestions were carried out by various units,

And **1,093** employee suggestions were collected

The Headquarters held the Third Meeting of the First Congress of Workers and Staff

Jinzhou Company launched the "Golden Ideas" collection activity for employee suggestions

Motivating Employees to Make Progress

CR Power has thoroughly implemented the talent planning requirements of China Resources Group during the "14th Five-Year Plan", continuously empowered employees and stimulated talent vitality through diversified training methods; it has constantly optimized the employee training system and evaluation mechanism, smoothed career promotion path, worked with employees to grow together, and consolidated the talent foundation for high-quality development.

Empowering Employees to Grow

According to the *14th Five-Year Plan Talent Planning of CR Power*, we have formulated systems such as the *Headquarters Employee Dispatch Training System, Internal Trainer Management Measures,* and *Three-year Training Guidelines for Fresh Graduates* to empower employees throughout their careers and design differentiated and customized training programs for management personnel, scientific and technological talents and skilled talents at all levels. In 2024, the Company's total investment in employee training was about RMB26.76 million, with a total training duration of 2,623,300 hours. The coverage rate of employee training, leadership training, and professional skills training is 100%.

Stimulating the vitality of talent

Professional title and qualification certification

The Company has encouraged employees to obtain degrees, take professional title examinations, and obtain qualifications. In 2024, a total of 372 junior professional titles, 148 intermediate professional titles, and 51 deputy senior professional titles were approved by the CR Power Evaluation Committee and the Group Evaluation Committee after evaluation by the Professional Title Evaluation Committee of the State-owned Assets Supervision and Administration Commission of the State Council, 3 senior professional titles were approved.

School-enterprise joint cultivation

We have jointly established the Energy Technology and Sustainable Development Research Center with South China University of Technology to further promote in-depth cooperation between scientific research and talent; we have recommended 2 backbone sci-tech talent people to carry out on-the-job doctoral training with Chongqing University and Southeast University.

Worker team building

The second "Craftsman Star Cup" Renewable Energy Skills Competition was held, and employees were mobilized to participate in 84 national/regional/industrial labor skills competitions; We also cultivated and selected the first batch of "Worker Pioneers" to improve the level of team building; We promoted the creation of innovation studios for model workers and craftsmen, gave full play to the important role of model workers and craftsmen in skill inheritance and talent training, and stimulated employees' enthusiasm for innovation and creativity.

The Second "Craftsman Star Cup" Renewable Energy O&M Skills Competition

Henan Renewable Energy Company carried out job skills certification

Optimizing the training mechanism

The Company has built online and offline learning platforms and developed internal and external knowledge resource pools, created a general and professional course system, strengthened teacher guarantees, consolidated the "professional construction" ability, and laid a solid foundation for training work. Guided by "value output", we have continuously served key groups such as 3+1 and value chain talent people. Based on the hierarchical and classified scientific research talent pyramid, we have condensed the new quality science and technology talent model of "new quality concept + new quality thinking + new quality ability". We have continuously promoted the joint school-running plan, widely carried out practical training for skilled talents in thermal power operation, renewable energy operation, renewable energy construction, offshore wind power, etc., and built a team of high-quality professionals, skilled talents and managers by layer and classification, and helped achieve all-round, multi-level and cross-field coordinated development of talents.

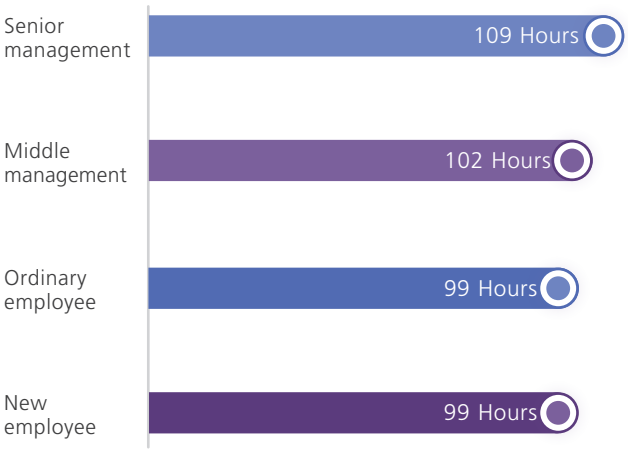
2024 CR Power Employee Training Program (Partial)

Category	Name of training	Training method	Covered population	Training frequency
Management education	Aggregated power principal cadre course	Online self-learning	Electric power principal cadre	Once a year
		Centralized training		
	Aggregated power deputy cadre class	Online self-learning	Electric power deputy cadre	Two phases
		Centralized training		
	Potential talent class	Online self-learning	Reserve talents for heads of regional companies	Quarterly
		Centralized training		
		Perceptual assessment		
		Post experience		
Training of grassroots and middle-level management	Runyunzhi middle-level principal training	Centralized training	Middle-level principal	Two phases
		Executive interviews		
	Runyunfan middle-level deputy training	Centralized training	Middle-level deputy	Two phases
	Craftsman • New Grassroots Team Leader Class	Centralized training	Grassroots management	One phase
Sci-tech professionals	Juzhi digital talent class	Online self-learning	Talent for digital management and application	One phase
	Scientific and technological talent for Juyuan integrated energy business	Online self-learning	Integrated energy practitioners	Phase II
		Centralized training		
	Training of sci-tech innovation talent	Centralized training	Director of innovation work	One phase
Skilled talents	Cultivation of renewable energy skilled talent	Centralized training	Core backbone of renewable energy professional skills	Ongoing
		Skill competition		
		Exchange job rotation		
	Cultivation of thermal power skilled talent	Centralized training	Core backbone of thermal power professional skills	Ongoing
		Skill competition		
Training of new employees	Juxing outstanding graduate training course	Centralized training	Outstanding graduates who graduated three to five years ago	One phase
	Jumeng Future Star training camp	Centralized training	Fresh graduates	One phase

Coverage rate of management training

Coverage rate of employee training

Average training time per employee by rank and type of employee



Average training time per employee by gender

"Jiangxin Cup" Thermal Power Skills Competition in Central China Region

2024 Juhe CR Power Principal Cadre Course

Smoothing Development Channels

We have actively improved the rank management system and standardized the qualifications and organizational procedures for employee rank promotion according to the *Employee Rank Management Measures*. At the same time, we have clarified and defined the corresponding relationships between the job ranks of management and employees at various levels of the headquarters, major regions, directly controlled units, and regional companies. Taking into account key business needs, differences in position value, and the different talent quality requirements for different job series/professions, we have established differentiated promotion channels to facilitate the development pathways for talents, which has effectively promoted the overall planning and exchange of professional talents at the headquarters, major regions, and regional companies.

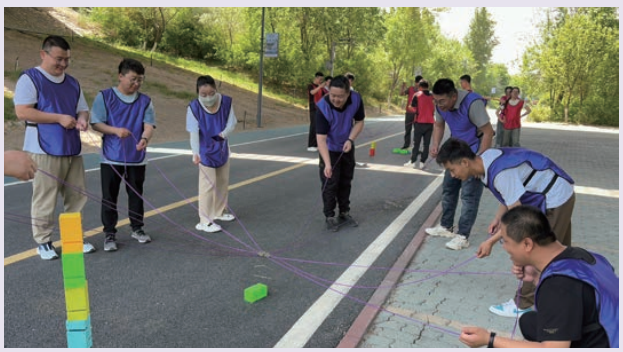
Optimizing the Promotion Mechanism

According to the principle of horizontal sequence division and vertical rank determination, combined with management needs and business reality, we have divided into four horizontal sequences: "management sequence-professional sequence-production sequence-operation sequence". According to the actual operation and management of "headquarters-regions and directly controlled units-regional companies", different hierarchical structures have been designed for different sequences, and the promotion paths and standards of each sequence and level have been clarified to provide employees with a more fair and transparent promotion mechanism.

Improving the Evaluation Mechanism

We have continuously optimized the evaluation system, deeply tapped into existing talent resources, and promoted the implementation of a mechanism featuring "promotion for the capable and demotion for the underperforming". In the process of comprehensive evaluation, we have paid attention to collecting employees' opinions and forming reports for feedback to their units to help them improve. In 2024, a total of 1,757 employees were promoted through the review, further consolidating the foundation for building a well-structured and high-quality talent team.

"Pioneer Plan" Reserve Talent Training Project of Shenzhen Company



Xinjiang Company's "Set Sail in Xinjiang, and Its Future is in Our Hands" New Employee Orientation

Caring for Employees

In 2024,

The Company organized various units to formulate a list of **428** practical matters to be done

And completed them **100**% within the year

Our headquarters promoted **6** applications for disbursement of charity assistance funds

Totaling RMB **175,000**

CR Power has always put the work and life needs of employees first to comprehensively enhance their sense of identity and happiness. We have carried out regular assistance activities to benefit the majority of employees; we have cared about the protection of female employees' workplace rights and interests so that their value can be fully demonstrated; we have organized a variety of cultural and sports activities to enrich the spare time life of employees; we have also strengthened our attention to employees' occupational health and protected their physical and mental health.

Helping Employees in Need

In accordance with the *Management Measures for Love Assistance Fund*, we have gradually improved the multi-level assistance and condolence mechanism, carried out practical activities of "I Do Practical Things for People" on a regular basis, and continued to solve problems for front-line employees. In 2024, the Company organized various units to formulate a list of 428 practical matters to be done and completed them 100% within the year. The headquarters promoted 6 applications for disbursement of charity assistance funds totaling RMB175,000.

Qinghai Company expressed condolences to employees and their families affected by the earthquake

Secretary of Discipline Inspection Commission of Chongqing Energy Investment Group led a team to visit the company's employees with filing difficulties

Caring for Female Employees

We have set up care leave and care rooms for female employees and provided psychological counseling services and exchange activities. We have organized physical examinations for female employees covering gynecological and breast examinations, etc. We have also organized knowledge publicity on health care for female employees occasionally. We have carried out commendation activities for outstanding female employees to give full play to their role as pioneers and models.

Luoyang Company launched the theme activity for female employees, "Keeping an Appointment with Women's Garments, Showing the Beauty of Women"

Guangxi Company held the reading activity of female workers themed on "The Fragrance of Books Nourishes the Soul, Women's Wisdom Blooms with Grace and Brilliance"

Enriching Spare Time Life

We have organized colorful recreational and sports activities suitable for employees of all ages to meet their growing spiritual and cultural needs. We have created a sincere, united, open, and enterprising organizational atmosphere and continuously enhanced the cohesion and sense of belonging of employees.

Ningxia Company held the First “Running Cup” Staff Football Match

Zhenjiang Company carried out the “Children’s Hearts Soar toward Tomorrow, Bursting with Boundless Joy” family activity

Case

CR Power held the final of the second “Rundian Pioneer Cup” staff basketball league of CR Power

In September 2024, CR Power held the final of the second “Rundian Pioneer Cup” staff basketball league, with 17 teams comprising about 230 employees entering the competition. This competition enabled employees to transform their passion and fighting spirit into a strong driving force for work, enhanced their sense of identity and belonging, and injected a strong impetus into the sustainable and stable development of the enterprise.

In 2024,

The coverage rate of occupational health files for employees of the Company reached **100%**

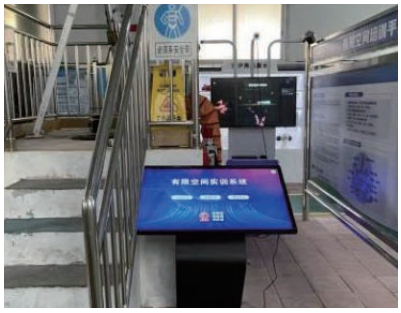
And there was **no** occurrence of occupational disease

Ensuring Occupational Health

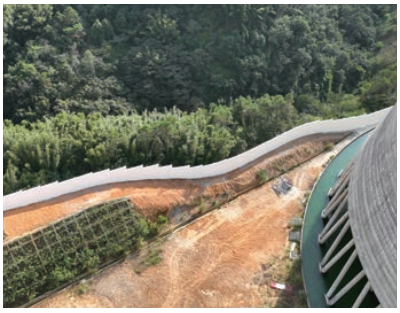
We have formulated the *Occupational Health Management Standard* in accordance with the *Law of the People's Republic of China on Prevention and Control of Occupational Diseases* and other laws and regulations, organized physical examinations every year, and regularly carried out health knowledge lectures to prevent occupational diseases and health problems caused by work pressure. In 2024, the coverage rate of occupational health files for employees of the Company reached 100%, and there was no occurrence of occupational diseases.

Improving the working environment

We have optimized dormitory configuration, set up an infirmary, health corner, staff restaurant, etc., purchased air purifiers, and constructed simple fitness facilities, basketball courts, badminton venues, and other places for employees to help them build a healthy body.



Upgrading and Reconstruction of the HSE Education and Training Experience Center by Guangzhou China Resources Power Thermal Power Co., Ltd. in 2024



Yunfu Company installed noise reduction walls to reduce occupational health harm of noise to employees

Shaping a healthy mind

We have set up an employee mental health consultation room to strengthen the mental and psychological care of employees; we have organized group leaders at all levels to participate in special training on ideological guidance and psychological counseling for China Resources Group's employees, covering nearly 2,000 organization leaders; we have also held health knowledge lectures and organized comprehensive training on occupational health protection to continuously improve employees' awareness of health care.

Chongqing Energy Investment Group held a mental health counseling lecture

East China Region launched the employee psychological empowerment training on "Care for Self – Be the Master of Emotions"

Safeguarding Employee Safety

In 2024,

The Company's total expenditure on safety production reached

RMB **1,013.39** million

Reporting **zero** safety production accident

And resulting in a total of

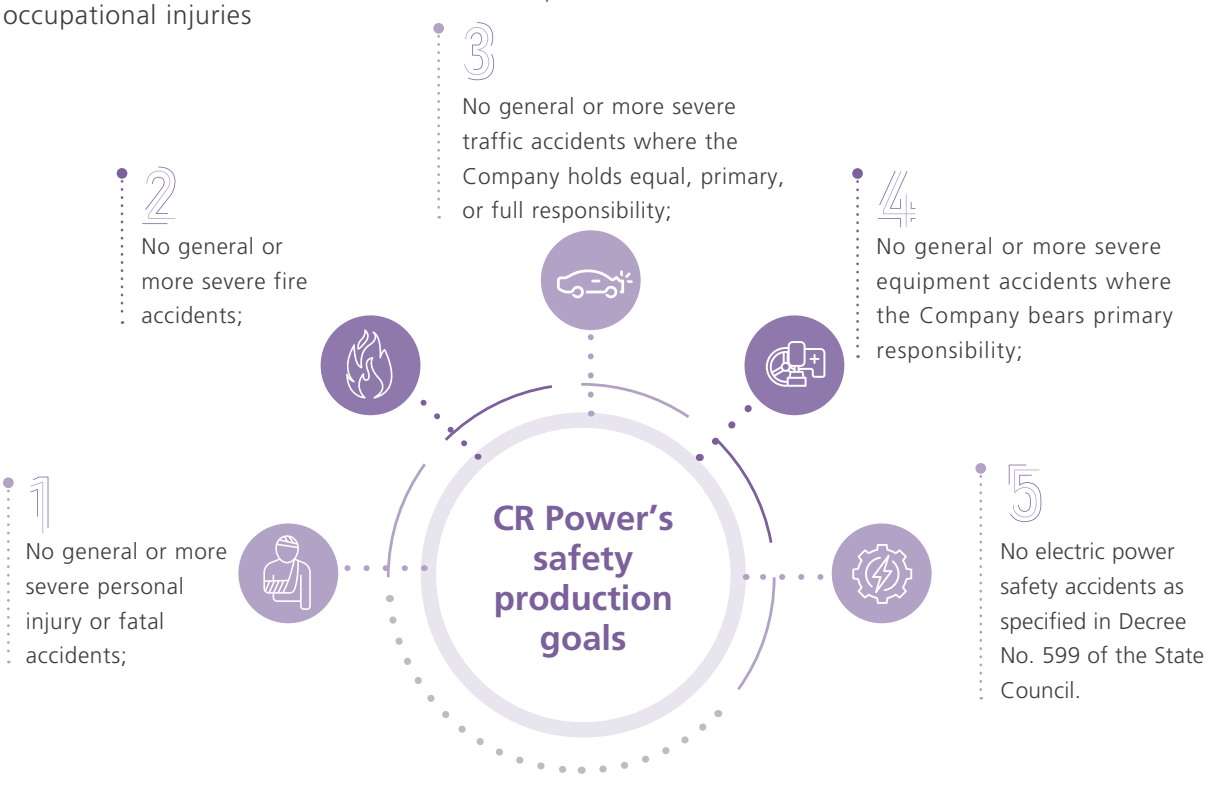
662 lost workdays due to occupational injuries

CR Power adheres to the safety production policy of "safety first, prevention-oriented, and comprehensive management", improves the safety management system, strengthens safety risk control, promotes safety culture awareness and implementation, enhances the emergency response mechanism, and effectively safeguards employees' occupational safety. In 2024, the Company's total expenditure on safety production reached RMB1,013.39 million, reporting zero safety production accidents and resulting in a total of 662 lost workdays due to occupational injuries.

Indicators	2022	2023	2024
Number of work-related fatalities (person)	0	0	0
Work-related fatality rate (%)	0	0	0

Safety Management System

We view the development of the safety management system as a lifeline for corporate development and make every effort to establish a solid and reliable safety shield. The Company has established a comprehensive accountability system. At all levels – including the headquarters, subsidiaries in regions, regional companies, departments, teams, and individuals – EHS target responsibility agreements have been signed, clearly defining safety production responsibilities for each level, position, and employee. Additionally, the Company has established a tiered responsibility control system, where grassroots enterprises manage serious injuries, departments oversee minor injuries and near misses, teams monitor abnormalities, and individuals prevent errors.



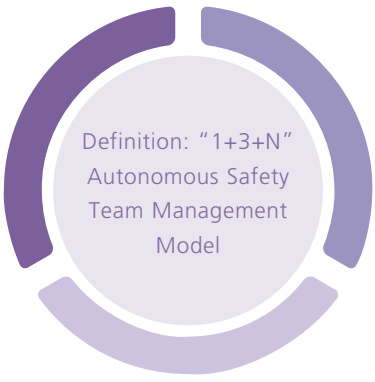
Conducting comprehensive safety audits

Adhering to the concept of systematic safety management and following the principle of risk classification control, we have established a tiered audit and evaluation mechanism: "Expert consultations at the headquarters level, specialized safety reviews at the regional level, and preventive safety management at the community level". This approach has strengthened the safety audit system across all grassroots units.

Enhance safety audit standards	Building upon the power safety standardization and in alignment with the relevant specifications and requirements of the National Energy Administration, we have refined the management system and audited standards to provide clear operational guidelines for grassroots units.
Develop a safety audit plan	Following the principle of "comprehensive regional self-assessment + random inspections and evaluations by headquarters", internal experts have formed an audit team to evaluate regional companies, identifying and addressing safety management issues.
Enhance the application of audit results	We have formed a closed-loop process for issue rectification, analyzed both critical and recurring issues, established sustainable mechanisms, and elevated the Company's overall safety management.

Continue to advance safety team development

Under the "1+3+N" autonomous safety team management model, we have continuously advanced the development of autonomous safety teams. Using this initiative as a foundation, we have facilitated the integrated management of relevant stakeholders. Additionally, we have implemented a star rating evaluation system for safety teams, fostering greater enthusiasm and initiative among grassroots workers in safety management and further strengthening the foundation of workplace safety.



"1" "1" refers to establishing a strong safety foundation as the top priority;

"3" "3" refers to three evaluation mechanisms: implementing a positive incentive mechanism, encouraging innovation, and conducting scientific performance assessments;

"N" "N" represents a variety of autonomous safety management models developed by different teams, including zero-violation teams, learning-oriented teams, and "everyone as safety personnel" initiatives.

Safety Risk Management and Control

We place a high priority on safety risk management and control, adopting a multi-faceted strategy and comprehensive measures. Through a series of solid and effective initiatives, we have proactively mitigated and addressed various safety risks, establishing a robust safety defense system to ensure the Company's stable development.

- Implementing disaster prevention and mitigation with proactive early warning measures: The Company thoroughly studies and implements the spirit of President Xi Jinping's important instructions, actively promoting disaster prevention, mitigation, and emergency response efforts. We have held typhoon and flood prevention meetings, actively engaged in awareness campaigns, and successfully maintained a zero-incident record for personal and equipment accidents caused by natural disasters throughout the year.
- Carry out regular inspections to promote pre-emptive prevention: We have regularly carried out safety production supervision and inspection and organized special inspections for key points such as warmth and supply guarantee, as well as resumption of work after the holidays. In 2024, the Company inspected 276 projects and identified 7,464 problems and hidden hazards. It has continued to promote the investigation and rectification of hidden dangers, driving the transformation of safety production governance toward pre-event prevention.
- Focus on construction projects and strengthen safety inspections: We place great emphasis on the safety risks of construction projects and have thus conducted multiple rounds of full-coverage inspections on renewable energy construction projects. During these inspections, we identified key highlights, uncovered potential issues, and provided recommendations for improvement. In 2024, the Company carried out two rounds of full-coverage safety supervision and inspections on five thermal power construction projects, enhancing on-site safety management.
- Conduct special inspections to eliminate safety hazards: The Company carried out special inspections on thermal power technical upgrades, coal mines and hydropower dams, identifying and rectifying numerous potential hazards. Additionally, coal mine supervision posts were assigned to provide on-site assistance, and efforts were made to enhance the safety of hydropower station dams.
- Strengthen fire safety rectification and deepen project supervision: We have formulated the *Implementation Plan of CR Power for Fire Safety Concentrated Hazard Rectification Campaign* and organized units at all levels to carry out hazard rectification initiatives focusing on key fire protection areas, hot work management, and emergency evacuation routes. We have also enhanced EHS supervision, inspection, and support for M&A projects and large-scale base projects, assisted Chongqing Energy Investment Group in establishing independent safety teams, and conducted due diligence in advance to mitigate EHS risks.

Sunan Company conducted a comprehensive safety inspection for Typhoon and Flood Prevention

The EHS Department of Shaanxi Company conducted a safety inspection before the National Day

Heze Company Conducted a Comprehensive Safety Inspection for the 2024 Spring Festival

The EHS Department of Beijing-Tianjin-Hebei Renewable Energy Company carried out supervision and inspection at the tower assembly site of the Xilongtou Project transmission line

Carry out Safety Training

We have conscientiously implemented the key task requirements of the National Energy Administration's power safety supervision, enhanced power safety awareness and training, and deepened operators' education on essential job knowledge and operational skills. In 2024, the regional companies accumulated a total of 1,891,993 training hours, including 633,429 hours for our own employees and 1,258,564 hours for employees of partner organizations.

Strengthening accident warning education

We organized operators to collectively watch the warning education film, *Safety Production: Responsibility on Shoulders*. A total of 23,353 people from various units participated, strengthening their awareness of safety boundaries and compliance mindset.

Implementing the "3-2-1" model

The main person in charge, department heads, and team leaders of each unit served as lecturers, conducting 1, 2, and 3 safety lectures, respectively, per year, fully leveraging the leadership role of senior management.

Adhering to the concept of promoting learning by competitions

We have conducted the required knowledge contest in a bottom-up manner, progressing from regional preliminaries to regional semi-finals and culminating in a headquarters final. We also held the 2024 China Resources Power Safety, Health, and Environment Knowledge Contest during Safety Production Month, providing a platform to showcase training achievements.

Holding theme activities for Safety Production Month

During the safety production month, each unit organized 1,066 thematic promotional sessions (including warning education films), 272 "June 16 Safety Publicity and Consultation Day" events, and 549 sessions of "General Manager Open Class", "Safety Production Talks", "Micro Classroom" and other activities, with a total of 72,068 participants.

All management and employees of Sichuan Company collectively watched the "Safety Production Month" theme promotional video

Qinghai Company launched the EHS Knowledge Contest

Case

CR Power held the first Work Safety Knowledge Competition

In June 2024, CR Power held its first Work Safety Knowledge Competition at Jinzhou Company. More than 140 participants from the nine participating teams and employee representatives of CR Power's major regions, CR Power Technology Research Institute, and Chongqing Energy Investment Group, took part in the event. The competition effectively promoted learning and skill enhancement through contests, fostered an atmosphere where all employees focused on safety knowledge, practiced essential skills, and learned escape procedures, and injected new momentum into improving employees' knowledge and competencies in work safety.

Strengthen Emergency Management

We have strengthened the integration of pre-incident prevention and post-incident response, improved the emergency response plan system, and strived to enhance our ability to prevent accidents and handle emergencies.

Improve the emergency response plan system

Each unit comprehensively identified and assessed the risks of natural disasters, industrial accidents, and other emergencies in conjunction with production operations, further refining the comprehensive emergency plan, specialized emergency plans, and on-site response protocols to enhance their specificity and effectiveness.

Enhance enterprise-local government coordination and collaboration

We have strengthened the alignment of emergency plans with local governments, emergency management authorities, fire departments, and other relevant agencies, improved the emergency coordination mechanism, carried out various joint emergency responses, and reinforced the allocation of emergency resources and response capabilities. During the safe production month, 11 "enterprise-local" joint practical drills were conducted, addressing safety risks associated with liquid ammonia and electrochemical energy storage power stations, with a total of 455 participants.

Conduct emergency response drills

We have organized 305 fire emergency evacuation and escape drills across all units, with a total of 9,875 participants. In response to actual flood season disaster risks, we have conducted 720 various disaster emergency drills, involving a total of 15,370 participants.

Chenzhou Company conducted a safety emergency drill

Gansu Company's Yongdeng Photovoltaic Power Station conducted a joint fire drill with the Yongdeng County Fire Brigade

Integrity and Compliance, Promoting Sustainable Operations

Governance

CR Power remains steadfast in implementing value creation initiatives by benchmarking world-class enterprises, actively advancing the modernization of management systems and capabilities, refining governance mechanisms, and establishing a compliant operational framework, continuously driving high-quality corporate development. In 2024, it ranked 2nd place in Best Company Board in Asia (Ex-Japan)'s Utilities and Alternative Energy from *Institutional Investor*.

Strategy

We have continued to advance the SOE reform, further deepening the" Four Reshapings" and leveraging modern governance mechanisms to enhance corporate vitality:

- Enhance corporate governance structures, expand the authority of the Board of Directors, promote board diversity, and refine the institutional framework.
- Strengthen the compliance and risk management systems, clearly define departmental responsibilities, enhance regulatory frameworks and training, and upgrade the risk monitoring mechanism.
- Reinforce business ethics, investigate violations, and strengthen anti-monopoly measures and supplier management.
- Advance anti-corruption and integrity initiatives, optimize the "comprehensive supervision" system, refine integrity regulations, and enforce strict anti-corruption measures.

Risk management

Over the past year, the power industry has faced a complex landscape, with an accelerated transition in the energy mix and increasingly stringent power market regulations. Against this backdrop, power companies are encountering numerous compliance risks associated with transformation. For CR Power, it is imperative to enhance corporate governance, improve the scientific rigor of decision-making, strengthen compliance management, and bolster risk prevention and control capabilities. This is not only key to mitigating risks but also a critical step in seizing opportunities in the energy transition and driving sustainable development.

Key indicators

The holding company currently has **356** effective management policies

57 technical standards in place

The internal control defect rectification completion rate stands at **100**%

SDGs

Strengthening Corporate Governance

In 2024, the Company convened

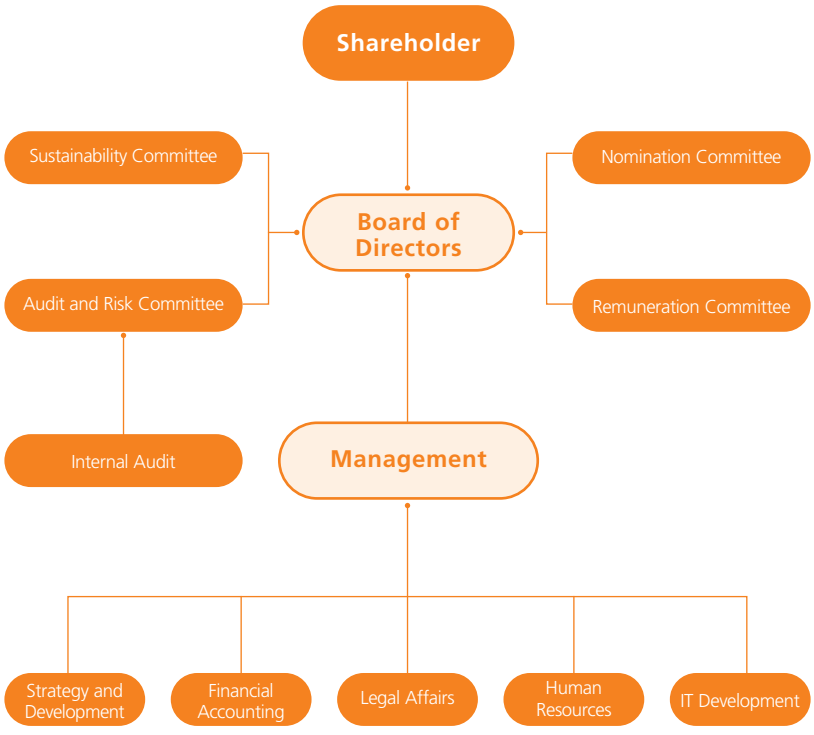
- General Meeting of Shareholders **2**
- Board Meetings **10**
- Audit and Risk Committee Meetings **3**
- Remuneration Committee Meeting **1**
- Sustainability Committee Meeting **1**

CR Power continues to refine its decision-making mechanisms, promote the diversity of members in the Board of Directors, and strengthen its governance framework. By enhancing governance and decision-making efficiency, the Company has improved overall operational performance.

Structure of the Board of Directors

CR Power strictly adheres to the requirements of Appendix 14, the "Corporate Governance Code", of the *Main Board Listing Rules of the Hong Kong Stock Exchange* and continuously enhances its corporate governance structure and management system. In 2024, the Company strengthened the authorization of the Board of Directors and further optimized its meeting decision-making mechanism, reinforcing its core functions of "strategy formulation, decision-making, and risk management". The Company also revised and updated the *CR Power Rights and Responsibilities Operation Manual (2024 Edition)*, which clearly defined the scope of key decision-making matters, decision-making authorities, and procedures. It has also delineated the rights and responsibilities of various governance entities, ensuring coordinated operations and adequate checks and balances among them.

The primary responsibilities of the Board of Directors include setting the Company's overall strategic direction, establishing long-term performance and management objectives, formulating and overseeing policy implementation, monitoring management performance, and ensuring that business activities comply with legal regulations and ethical business standards. In 2024, we revised and updated the Company's *Articles of Association*, clearly defined the rights and responsibilities of the Board of Shareholders, the Board of Directors, and the management team. This ensures a well-balanced governance structure and effective operational efficiency. Additionally, we conducted ESG training for the Board of Directors to enhance their awareness of ESG issues and promote deeper Board-level involvement in ESG decision-making.



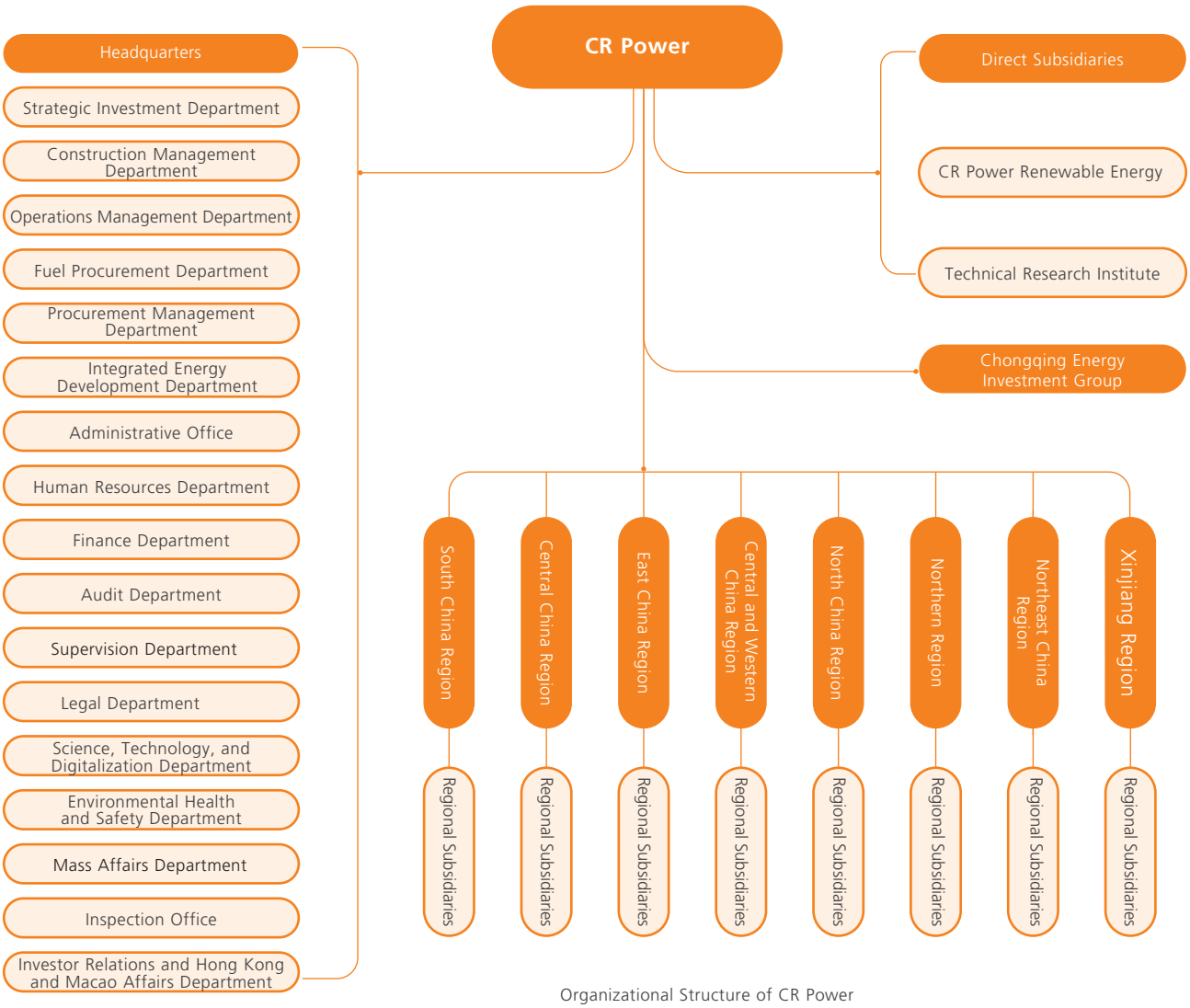
Regulatory Framework of CR Power

Diversity of the Board of Directors

Promoting the diversity of the Board of Directors is fundamental for the Company to achieve comprehensive, inclusive, and responsible decision-making, as well as a key factor in enhancing corporate governance. When reviewing the composition of the Board of Directors, selection criteria, and the search for qualified director candidates, the Committee fully considers the diversity criteria set out in the Nomination Policy and Diversity Policy. These criteria include, but are not limited to, gender, age, cultural and educational background, race, nationality, religion, socio-economic status, and physical ability. As of the end of 2024, CR Power had a total of 10 directors (including one female director), comprising three executive directors, three non-executive directors and four independent non-executive directors.

Enhancing the Institutional System

The Company continues to advance the systematization, standardization, and efficiency of its institutional management, lay a solid foundation for effective corporate governance. The Company has conducted a comprehensive review of its institutional framework and established a structured plan for formulating, revising, and abolishing policies. As of the end of 2024, the company had 356 effective management policies and 57 technical standards. The Company has also formulated and periodically revised the *Management Measures for Investor Relations of CR Power* to standardize investor relations management. Furthermore, it has revised the *CR Power Rules and Regulations System Structure Chart (2024 Edition)* to optimize business category classifications, thereby enhancing the system's coherence, scientific rigor, and adaptability.



Organizational Structure of CR Power

Strengthening Compliance Foundations

CR Power committed to corporate governance under the rule of law, continuously improving its compliance management system, strengthening risk management and internal controls, and deepening the integration of business ethics and integrity culture. Through efficient compliance management, the Company fosters sustainable development.

Enhancing Compliance Management

The Company has fully implemented the work requirements of China Resources Group's Compliance Management Year. In 2024, it revised and issued the *CR Power Compliance Management System*. Efforts were made across multiple dimensions, including organizational structure, functional division, system construction, and compliance training, to further optimize the compliance management operation mechanism and achieve closed-loop management of compliance risks.

Organizational guarantee

The Regulation-based Enterprise Management, Risk Control, and Compliance Management Committee is responsible for organizing, leading, and coordinating the Company's compliance management efforts, addressing and resolving key challenges. We have appointed a Chief Compliance Officer, concurrently serving as the General Counsel, who is responsible for the specific implementation and daily oversight of compliance management. Besides, we promote appointing compliance officers across departments at the Company's headquarters to strengthen collaboration and synergy amongst departments.

In line with the principle of "managing business must also manage compliance", the Company has established an initial compliance governance system with clearly defined rights and responsibilities. Business and functional departments have been assigned the primary responsibility for compliance management, while the compliance management department leads the coordination responsibility and oversees discipline inspection. Audit and other supervisory departments are tasked with supervision, investigation, and accountability.

Compliance Governance System

Roles & Responsibilities	Responsibility Subjects	Main responsibilities
• Formulate strategies, make decisions, and prevent risks	• Board of Directors (top leadership and decision-making body)	• Review and approve the basic compliance management system, system construction plans, etc.
		• Study and decide on major compliance management issues.
• Seek operation, ensure implementation and strengthen management	• Management team	• Draft the compliance management system construction plan and organize its implementation after the approval of the Board of Directors;
		• Develop basic compliance management systems, approve annual plans, etc., and organize the formulation of specific compliance management systems;
		• Organize the response major compliance risk events;
		• Guide, inspect and supervise compliance management across departments and subsidiaries at all levels;
		• Other compliance management duties as stipulated by laws and regulations, the Articles of Association, or authorized by the Board of Directors.
• Main responsibilities of compliance management	• Business and functional departments	• Responsible for compliance management within their respective business units under centralized management.
• Compliance management and coordination	• Legal Compliance Department	• Play a leading role in organizing, coordinating, promoting, and supervising implementation. Support the Chief Compliance Officer or Legal Compliance Head/ Division Head in carrying out relevant tasks.
• Supervise and investigate responsibilities based on authority	• Departments responsible for supervision and management	• Supervise the implementation of compliance requirements according to their duties and authorities;
		• Investigate and verify violations, and hold individuals accountable according to regulations.

System establishment

The company has issued the *Legal Work System of CR Power* to standardize the legal work of subsidiaries at all levels and formulated compliance guidelines, such as the *Management Measures of CR Power for Preventing Conflicts of Interest*, for key areas, including preventing conflicts of interest, effectively controlling compliance risks in these critical areas.

Compliance training

We have strengthened the development of the compliance management talent team and promoted each unit to allocate over 80 compliance officers. We have also formulated annual compliance training plans, making compliance management a compulsory subject for management, key personnel, and new employees, and organized targeted, specialized compliance training for employees in high-risk areas and key positions.

Special training and work exchange meetings on legal compliance and risk control management in 2024

Compliance training in 2024

Build a Solid Line of Defense Against Risks

The Company has established an internal control and risk management organizational structure with clearly defined functions and responsibilities, and initially built a tiered risk indicator database with the characteristics of CR Power. It efficiently conducts operational risk assessments and monitoring, actively carries out targeted governance of business risk management, and performs internal control supervision and evaluations. The Company has also promoted the timely rectification of internal control deficiencies identified during spot checks of the effectiveness of the SASAC's internal control system, continuously strengthening risk prevention and control capabilities and improving the effectiveness of internal control and governance.

Risk management framework

The regulation-based Enterprise Management, Risk Control, and Compliance Management Committee is responsible for coordinating and managing the internal control and risk management of the Company, formulating work plans and annual plans for internal control and risk management, and reviewing relevant important decisions, major issues and essential schemes; The regulation-based Enterprise Management, Risk Control and Compliance Management Office was set up under the Committee, responsible for the overall implementation of specific work.

We have comprehensively sorted out the business internal control links according to the Company's value chain, horizontally penetrated three major business sectors of "coal power, renewable energy, and integrated energy", and vertically penetrated four significant business periods of "development, construction, operation, and marketing". Combined with the requirements of risk management work, we have sorted out and summarized the risk points in the internal control link, defined the risk management "logic" of CR Power headquarters, subsidiaries in regions, and regional companies, and comprehensively sorted out a hierarchical risk indicator library. A closed-loop risk management model has thus been formed.

Risk assessment

According to the *Internal Control Management System*, the Company has accurately identified internal and external risks related to internal control objectives through three steps: risk identification, risk analysis, and risk evaluation, and has evaluated the corresponding risk tolerance.

Risk assessment process

Risk identification

Each unit identifies risks in various important business areas, important business activities, important businesses, and management processes through comprehensive system evaluation and determines risk categories.

Risk analysis

Clearly define and describe the identified risks and their characteristics, and analyze the possibility of risk occurrence and the conditions for risk occurrence.

Risk assessment

Assess the degree of impact and consequences of risks on CR Power's achievement of objectives.

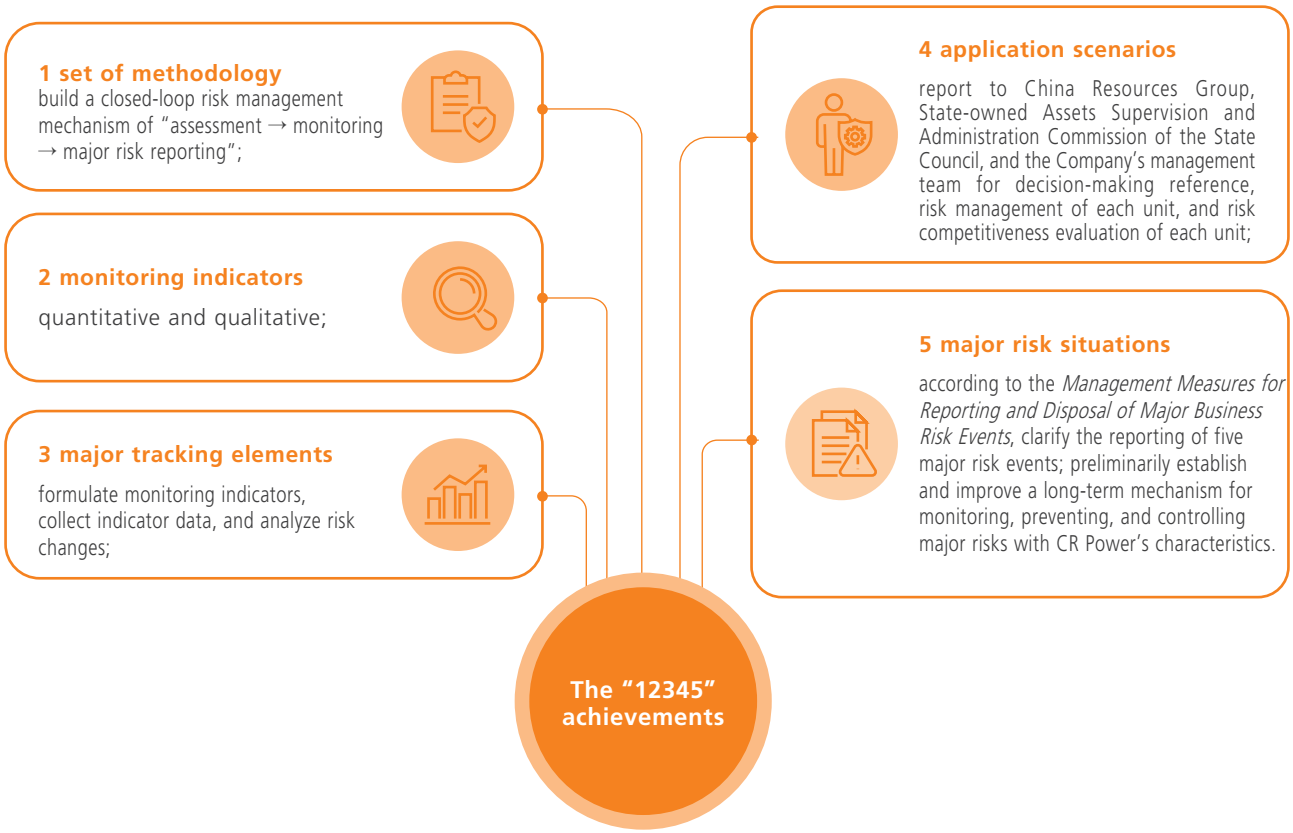
In January and December 2024, we organized the assessment of major risks for 2024 and 2025, respectively. All departments, subsidiaries in regions and regional companies, direct subsidiaries, and Chongqing Energy Investment Group conducted objective analysis and quantitative scoring for business risks. The Company's management team have also filled out questionnaires form the list of significant risks for CR Power in 2024 and 2025.

Ten Major Risks of CR Power in 2025

- Safety production risk
- Investment management risk
- Policy risk
- Risk in obtaining project indicators
- Market competition risk
- Electricity price risk
- Power generation and sales risk
- Fuel management risk
- Supply chain management risk
- Sci-tech innovation risk

Risk monitoring

In 2024, we upgraded the major risk tracking and monitoring mechanism, set up individualized risk indicators, strengthened major risk monitoring and early warning, summarized and analyzed the status of major operating risks every quarter, and reported the monitoring situation of major risk events in real time. We further improved the long-term mechanism for early detection, early warning, and early disposal of major risks, forming the "12345" achievements.



Risk response and control

According to the results of risk assessment, each unit of the Company weighed risks and benefits in combination with risk tolerance, and comprehensively used risk response strategies such as risk avoidance, risk reduction, risk sharing and risk bearing to realize effective management of risks; through the combination of preventive control and discovery control, control measures such as separation of incompatible duties control, authorization approval control, accounting system control, property protection control, strategy implementation and budget control, operation analysis control and performance evaluation control were implemented to control risks within acceptable levels.

Management of specific risks

From 2023 to 2024, we took the risk management of the offshore wind power business as an application scenario and carried out specific risk governance. By sorting out the current situation and causes of major risks in the offshore wind power business field, we summarized typical risks, cases, and regulations of the offshore wind power business, compiled a comprehensive risk management manual for the offshore wind power business, clarified the comprehensive risk list and compliance management list, implemented risk diagnosis and improvement, thus formed a legal physical examination report and drew special rectification plans and management improvement plans. By regularly publishing key compliance points and cases for the development and construction of offshore wind power projects, legal compliance personnel and relevant business personnel of subsidiaries in regions and regional companies involved in offshore wind power business were organized to carry out training on risk prevention and control lists, measure guidelines, important cases and other contents, to continuously promote the implementation of offshore wind power risk management achievements.

Internal control evaluation and supervision

In 2024, we organized the annual self-evaluation and internal control supervision evaluation for each unit. In terms of internal control self-evaluation, a total of 73 units participated, and the self-evaluation coverage rate reached 100%. Regarding internal control supervision, the Company has formulated a "three-year (2023-2025) full coverage" work plan for internal control supervision and evaluation of subsidiaries. In 2024, internal control supervision and inspection on 40% of legal person subsidiaries were carried out to comprehensively investigate the legal, compliance, internal control, and risk issues concerned by internal and external supervision and inspection.

In 2024

In terms of internal control self-evaluation, a total of **73** units participated

The self-evaluation coverage rate reached **100%**

Economic Supervision

The Company has earnestly performed its economic supervision function, strictly abided by the compliance red line, focused on its main responsibilities and businesses, and served its development strategy. In 2024, we conducted 33 audit projects and 27 economic responsibility audits. We increased the proportion of in-service audits to supervise and evaluate managers' performance more timely and move risk exposure forward; carried out special audits on investment, integrated energy, and photovoltaic quality and efficiency improvement to promote the healthy development of renewable energy; carried out special audits on fuels and by-products to ensure energy supply and effectively serve the people's livelihood of China.

Strict control of audit quality

We have continuously improved the audit system and revised a total of nine systems throughout the year to provide institutional guarantees for quality control. We have also strictly controlled the process, implemented quality control standards from audit establishment to project archiving, and conducted full discussions and verification on problem communication and report formation through program review meetings, weekly project meetings, exit communication meetings, group internal audit meetings, departmental audit meetings, etc., to ensure audit quality.

Assessment system improvement

We have improved the economic responsibility evaluation system and realized independent standard evaluation of regional companies mainly conducting thermal power, renewable energy, and pure renewable energy business. The managers involved were portrayed, scored, and rated according to the audit results, and the results were reported to the CPC Committee.

In-depth research audit

For photovoltaic projects, we have conducted research to improve quality and efficiency. A special team was set up, 12 typical risks were sorted out, and 4 specific suggestions were put forward, with a value of RMB14 million created. We conducted a feasibility study of a large-scale technical transformation project in power plants during their operation period, a study of the overall transportation of long-term coal, and a study of the construction of renewable energy stations to reveal problems, resulting in a value and benefits of about RMB42 million created.

For photovoltaic projects

12 typical risks were sorted out

4 specific suggestions were put forward

With a value of RMB **14** million created

Facilitate audit with technology

We have continuously optimized the construction of the audit information system, and successfully launched the contract intelligent audit system and the audit operation management system. In addition, we have realized full access to procurement, operation, and financial data and established 5 information data mining teams for marketing and procurement to tap data potential. A dual audit mechanism of "business chief auditor + information chief auditor" was established for audit projects. Throughout the year, more than 1,300 abnormal clues were identified using information-based audit tools, and 85 audit issues were put into investigation.

Strengthening Audit Rectification

The Company has continued to strengthen the supervision and inspection of audit rectification and promoted various departments, subsidiaries in regions, and regional companies to resolve its challenges in rectification. In 2024, the Company's case of Looking Back Audit Rectification to Promote Difficulty Solving in Corporate Business Development" won a national award—"Typical Case of High-quality Audit Results Promoting Organizational Improvement and Governance 2024" by China Institute of Internal Audit.

Optimizing the audit model

In 2024, we continued to optimize the "headquarters + center" management and the control model, completed the management and control adjustment of Chongqing Energy Investment Group's Audit Center, incorporated it into the unified management of the Audit Department, and thus strengthened audit supervision. Each center newly recruited 6 new auditors, and the average age of auditors decreased by 1 year, making the team younger and more professional.

Strengthening team building

We work with Nanjing Audit University to organize power audit training every year, and our employees' professional skills have improved significantly. They hold 34 professional certificates in total and have published 12 papers throughout the year, which was a record high.

In 2024

Each center newly recruited **6** new auditors

The audit team holds **34** professional certificates

Adhering to Business Ethics

We strictly follow the *Management Measures of CR Power for Prevention of Conflicts of Interest* and other systems, strengthen the prevention of conflicts of interest management, improve the anti-monopoly compliance prevention and control mechanism, and strengthen the protection of trade secrets. In 2024, no unfair competition incidents occurred in the Company.

01

Strengthening the management to prevent conflicts of interest

We have strictly implemented China Resources Group's management requirements to prevent conflicts of interest, issued the *Management Measures of CR Power for Prevention of Conflicts*, and established a red-line list management mechanism. We have also regularly organized each unit to carry out self-examination and self-correction of key personnel to prevent conflicts of interest management, continuously promote problem rectification, prevent behaviors that damage the Company's interests, and ensure the Company's consistent, healthy, and stable development.

02

Improving the anti-monopoly compliance prevention and control mechanism

In 2024, we arranged the anti-monopoly compliance review (declaration of concentration of business operators) as the necessary procedure the Company's online approval. We carried out 13 declarations of concentration of business operators annually.

03

Strengthening the business ethics management of suppliers

We have included the provisions on professional integrity in the contract template, improved the content of the "Transparent Procurement Declaration" in the tendering documents, and increased the e-mails and telephone numbers for integrity reporting to prevent integrity risks from the source. We have also supervised more than 50 project companies to carry out integrity co-construction with related parties through integrity-themed education and talks.

04

Strengthening the protection of trade secrets

We have organized and carried out investigations into infringement of Internet trade secrets and notified infringing websites to delete files that infringe the Company's trade secrets in a timely manner to avoid losses to the Company. We have also regularly held trade secret training to enhance employees' awareness and ability to protect trade secrets and enhance the awareness of business ethics among all employees.

CR Power 2024 Trade Secret Protection Training Conference

Creating an Integrity Atmosphere

The Company attaches great importance to anti-corruption work. It has continuously optimized the "comprehensive supervision" working system, revised and supplemented integrity regulations, actively organized integrity culture training, seriously dealt with corruption, bribery, and other violations of laws and disciplines to smooth the integrity reporting mechanism, constantly improved the awareness of incorruptible employment of all employees, create a clean and upright working atmosphere, and ensure its steady development with certain supervision and governance efficiency.

Implementing integrity supervision

The Company attaches great importance to integrity supervision. With a complete system, powerful measures, and strict implementation, it carries out in-depth supervision actions in all aspects, effectively implements integrity supervision in every part of corporate operations, and lays a solid foundation for its sustainable development.

Improving the "comprehensive supervision" system

We have continuously improved the "comprehensive supervision" system of "headquarters, subsidiaries in regions, and regional companies", carried out in-depth "general supervision" work around the theme of "strengthening supervision, reducing risks, and promoting development", and carried out special supervision for fields with high integrity risks such as bidding procurement and infrastructure projects to investigate potential risks and promote the improvement of systems and mechanisms. Efforts have been made to establish a "general supervision" system for newly acquired companies to facilitate their improvement of risk prevention and control capabilities. The work case of the "comprehensive supervision"—"Building a Comprehensive and Efficient Supervision System to Promote the In-depth Development of Comprehensive and Strict Party Governance"—was selected in the "State-owned Assets and State-owned Enterprise Reform Experience Case Series".

Standardized procurement supervision

We have cooperated with multiple departments to carry out special rectification of corruption issues in the bidding field, investigated problems such as failure to invite bids and split procurement, and formed a list for rectification. We have also supervised the use of e-commerce platforms for power procurement. We also paid attention to 10 regional companies with low utilization rates and recommended them to improve procurement transparency. Besides, we integrated integrity clauses into contracts and bidding documents to add complaint channels.

Strictly ensuring system construction

We have revised the *Management Rules for Integrity Files of Direct Management Officials and the Detailed Rules for Response to Opinions on Party Conduct and Integrity*, standardized the management of official integrity files and the response to opinions on clean government, and strengthened intra-Party supervision.

Severely corrupt practices

In 2024, a total of four people were disciplined for corruption-related violations in the Company, including one suspected of corruption and three suspected of accepting bribes, all of whom were dismissed.

Smoothing the reporting mechanism

The Company has established a sound reporting management and handling mechanism to ensure that all employees and interested parties could report suspected violations involving the Company through integrity telephone, integrity mailbox, supervision website and other channels under confidential conditions. We made strict requirements on the information and rights protection of whistleblowers, ensured that the identity of whistleblowers was kept confidential, and promised that employees would not be unfairly dismissed, harmed or improperly disciplined due to reporting.

Building a culture of integrity

The Company vigorously promotes the building of an integrity corporate culture. It has deepened and substantiated integrity publicity and education through various innovative and effective ways, and integrated the concept of integrity into its daily operations and employees' code of conduct.

Carrying out warning education

Two company-wide warning education conferences were held to inform 19 typical cases of violations of discipline and laws so that employees could deeply understand the harm of corruption and play a deterrent role. More than 207 articles have been published in internal media, such as "Integrity Practices at CR Power", covering policy interpretation, story sharing, and other content, promoting integrity publicity and education to penetrate the daily lives of employees.

Strengthening Party discipline learning

Special notices were issued to urge Party organizations at all levels to carry out Party discipline learning and education, and more than 60 articles on the theme were published. Party organization secretaries at all levels gave special Party lectures on discipline to Party members and cadres to enhance their Party spirit and awareness of integrity and self-discipline.

Promoting integrity co-construction

We have carried out integrity co-construction with related parties through integrity education and integrity discussion, introduced anti-corruption policies and cases to suppliers, and improved enterprise-business relations.

An annual warning education conference and a collective integrity talk were convened or organized for newly appointed cadres

A Glance at the Future

2025 marks a year to consolidate and expand the fundamental achievements of the 20th National Congress of the Communist Party of China and a decisive year to sprint for the goal of the "14th Five-Year Plan". CR Power will continue to hold high the great banner of Xi Jinping's Thought on Socialism with Chinese Characteristics for the new era, adhere to the general work tone of seeking progress while maintaining stability and seeking stability through progress, and stride forward towards the target of becoming a world-class clean energy and integrated energy service provider. We will accelerate the building of thermal power units, with tens of millions of kilowatts, as a "pillar" player for ensuring energy supply. Moreover, we will also align ourselves to China's national energy strategies and directions, expand the renewable energy scale, accelerate the innovation of green technologies, and assist in realizing the "carbon peaking and carbon neutrality goals". Highlighting the goal of sci-tech innovation and focusing on key technological breakthroughs, we are moving towards a new digital transformation journey with sonorous steps and striving to write a glorious chapter in the Company's high-quality development.

With constant diligence, we believe no efforts go in vain. In 2025, CR Power will keep up with the strategic objectives of the "14th Five-Year Plan", take the Group's "1246" model as its guidance, focus on serving the "most fundamental interests of China", deepen reform and innovation, continue to enhance core functions, promote core competitiveness, create new quality productive forces, firm confidence in working, clarify the direction of working, strengthen the spirit of working, contribute to the high-quality development of China, and make unremitting efforts to build itself into a world-class clean energy supplier and integrated energy service provider!

Appendix

Responsibility Awards

Award name	Awarded by	Awarded units	Date
Ranked first in "China ESG Listed Companies Pioneer 100" Ranked first in "China ESG Listed Companies Pioneer 50 in Greater Bay Area"	China Media Group, State-owned Assets Supervision and Administration Commission of the State Council, All-China Federation of Industry and Commerce, Research Think Tank on State-owned Economy of Chinese Academy of Social Sciences, and China Enterprise Reform and Development Society	CR Power Holdings Co., Ltd.	July 2024 August 2024
Ranked first in "Central Enterprises ESG Pioneer 100 Index"	Bureau of Social Responsibility of the State-owned Assets Supervision and Administration Commission of the State Council and the China Social Responsibility 100 Forum	CR Power Holdings Co., Ltd.	November 2024
Selected as a constituent of the Hang Seng Corporate Sustainability Benchmark Index and the Hang Seng ESG 50 Index for five consecutive years	Hang Seng Indexes Company Limited	CR Power Holdings Co., Ltd.	September 2024
2024 ESG Golden Bull Award for Pioneer Enterprises	China Social Responsibility 100 Forum and Responsibility Cloud Research Institute	CR Power Holdings Co., Ltd.	November 2024
Hong Kong Corporate Governance and ESG Excellence Award	Chamber of Hong Kong Listed Companies and the Centre for Corporate Governance and Financial Policy of Hong Kong Baptist University	CR Power Holdings Co., Ltd.	December 2024
Greater China Corporate Sustainability Index 2023 Model The Second Asia-Pacific Sustainable Development Index Model Guangdong-Hong Kong-Macao Greater Bay Area Corporate Sustainability Index 2023 Model Hong Kong Corporate Sustainability Index 2023 Model	Centre for Business Sustainability of the Chinese University of Hong Kong	CR Power Holdings Co., Ltd.	December 2024
2024 Greater Bay Area Annual Inheritance Award	Guangdong-Hong Kong-Macao-Bay Area Economic and Trade Association	CR Power Holdings Co., Ltd.	April 2024
Best Company Board (2nd place)	*Institutional Investor*	CR Power Holdings Co., Ltd.	June 2024
Best ESG Program (3rd place)	*Institutional Investor*	CR Power Holdings Co., Ltd.	June 2024
Best Investor Relations Officer	*Institutional Investor*	CR Power Holdings Co., Ltd.	June 2024
2024 14th China Securities Golden Bauhinia Award – Most Valuable Listed Company Award	Hong Kong Ta Kung Wen Wei Media Group and Hong Kong Capital Market Institute	CR Power Holdings Co., Ltd.	July 2024
Standard Chartered Corporate Achievement Award – Sustainable Corporate (Social Responsibility) Leadership Award	Standard Chartered Bank, *Hong Kong Economic Journal*	CR Power Holdings Co., Ltd.	August 2024
Asian Power Awards Power Unity of the Year – China	*Asian Power*	CR Power Holdings Co., Ltd.	August 2024
Asian Energy Awards – Wind Power Project of the Year (Cangnan Wind Power)	*Asian Power*	CR Power Holdings Co., Ltd.	August 2024
Asian Energy Award – Standby Power Plant of the Year – Gold (Dengfeng Project)	*Asian Power*	CR Power Holdings Co., Ltd.	August 2024
Asian Energy Awards – Biomass Power Project of the Year Gold (Hezhou Project)	*Asian Power*	CR Power Holdings Co., Ltd.	August 2024
Asian Energy Awards – Environmental Upgrade Project of the Year – Gold (Jinzhou Project)	*Asian Power*	CR Power Holdings Co., Ltd.	August 2024
Asian Energy Awards – Coal Power Project of the Year – Bronze (Ningwu Project)	*Asian Power*	CR Power Holdings Co., Ltd.	August 2024
IDC China Future Enterprise Award 2024 – Future Work Leader Award	International Data Corporation (IDC) China	CR Power Investment Co., Ltd.	August 2024

Award name	Awarded by	Awarded units	Date
The 3rd "Dingxin Cup" Digital Transformation Application Excellent Case	Directly affiliated unit of the Ministry of Industry and Information Technology – China Academy of Information and Communications Technology	CR Power Investment Co., Ltd.	September 2024
Listed Companies 2024 – Listed Enterprise 2024 Award	*Bloomberg Businessweek/Chinese Edition*	CR Power Holdings Co., Ltd.	September 2024
Listed Companies 2024 – Best Financial Performance	*Bloomberg Businessweek/Chinese Edition*	CR Power Holdings Co., Ltd.	September 2024
ListCo Excellence Awards 2024	PR Asia	CR Power Holdings Co., Ltd.	November 2024
Top Ten Centralized Procurement Platforms for Imported Coal of Power Groups in China in 2024	China Coal Transportation and Distribution Association	CR Power Holdings Co., Ltd.	November 2024
Typical Case of High-quality Audit Results Promoting Organizational Improvement and Governance	China Institute of Internal Audit	CR Power Holdings Co., Ltd.	December 2024
2023 Hong Kong Green Awards – Platinum Environmental, Health, and Safety Award 2023 Hong Kong Green Awards – Gold Green Management Award – Corporate (Legal Corporation) 2023 Hong Kong Green Awards – Management System Corporate Green Governance Award	Hong Kong Green Council	CR Power Holdings Co., Ltd.	December 2024
Information Technology Project of the Year – China	*Asian Power*	CR Power Holdings Co., Ltd.	December 2024
Transfer Award in the 2024 Investment Relations Data List of Comein Finance	Comein Finance	CR Power Holdings Co., Ltd.	December 2024
Third Prize of Science and Technology Award of China Association of Special Equipment Inspection	China Association of Special Equipment Inspection	CR Power Technology Research Institute Co., Ltd.	November 2024
Third Prize for Technology Invention in Henan Province	The People's Government of Henan Province	Rundian Energy Science and Technology Co., Ltd.	December 2024
Second Prize for Technical Achievements of China Electric Power Innovation Award Second Prize for Employee Achievements of China Electric Power Innovation Award	China Electricity Council	Rundian Energy Science and Technology Co., Ltd.	December 2024
First Prize of the Fifth Safety Science and Technology Award of the China Association of Work Safety	China Association of Work Safety	CR Power Technology Research Institute Co., Ltd.	December 2024
Third Prize for Science and Technology Award of China Occupational Safety and Health Association in 2024	China Occupational Safety and Health Association	CR Power Technology Research Institute Co., Ltd.	December 2024
Typical Cases of Energy Electronics (Terminal Application) in 2024	China Electronics Enterprises Association	CR Smart Energy Co., Ltd.	December 2024
Intellectual Property Advantage Enterprises in Chongqing	Chongqing Intellectual Property Office	Qineng Company of Chongqing Energy Investment Group	January 2024
Advanced Collective of Henan Archives Society in 2023	Henan Archives Society	China Resources Power (Jiaozuo) Co., Ltd.	January 2024
"Worker Pioneer" in Chongqing	Chongqing Federation of Trade Unions Chongqing Municipal Human Resources and Social Security Bureau	Qineng Company of Chongqing Energy Investment Group	April 2024
Typical Cases of Laboratory Construction in Power Industry	China Electricity Technology Market Committee of China Electricity Technology Market Association	China Resources Power (Dengfeng) Co., Ltd.	April 2024
First Prize for 2024 National Power Industry Equipment Management Innovation Achievements	China Electric Equipment Management Association	China Resources Power (Luoyang) Co., Ltd.	May 2024
Outstanding Papers of the 2024 (First) National Forum for Party Workers in Enterprises	China Enterprise News Group	Henan CR Power Shouyangshan Co., Ltd.	April 2024
The First National Power Industry Beautiful China Construction Micro Video Competition – Boutique Unit Award	China Electric Equipment Management Association	Hebei Cangrun Power Engineering Co., Ltd.	April 2024
Outstanding Cases of Optimized Operation and Technological Innovation of Cable Systems in China's National Power Industry in 2024	China Electric Equipment Management Association	China Resources Power (Luoyang) Co., Ltd.	May 2024
First Prize for 2024 Power Industry Equipment Management Innovation Achievements	China Electric Equipment Management Association	Henan CR Power Shouyangshan Co., Ltd.	May 2024

Award name	Awarded by	Awarded units	Date
2024 Excellent Paper of National Power Industry Cable System Optimization Operation and Technological Innovation	China Electric Equipment Management Association	China Resources Power (Luoyang) Co., Ltd.	May 2024
2024 CETMA "Five Small" Innovation First Prize	CETMA Operation and Maintenance Sub-Committee	Zijing Wind Farm of CR Power Shandong New Energy Co., Ltd.	June 2024
Innovative Application Case of Intelligent Operation and Maintenance in the Wind Power Industry	China Smart Wind Power Innovation Application Selection Committee	Haiyang Wind Farm of CR Power Shandong New Energy Co., Ltd.	June 2024
Advanced Unit of Supply Guarantee in Hebei Province	Hebei Development and Reform Commission	China Resources Power (Tangshan Caofeidian) Co., Ltd.	July 2024
Encouragement Award for Advanced Power Generation Enterprises in Electricity Supply Guarantee in the First Quarter of 2024 by Hebei Provincial Development and Reform Commission	Hebei Development and Reform Commission	China Resources (Bohai New Area) Co., Ltd.	July 2024
Chongqing State-owned Assets Supervision and Administration Commission "Advanced Grassroots Party Organization"	Chongqing State-owned Assets Supervision and Administration Commission Committee	Qineng Company of Chongqing Energy Investment Group	July 2024
Chongqing Energy System QC Achievement Award	Chongqing Energy Trade Union Committee	Qineng Company of Chongqing Energy Investment Group	July 2024
The 6th National Equipment Management and Technology Innovation Achievement	China Equipment Management Association	China Resources Power (Dengfeng) Co., Ltd.	July 2024
2024 National Outstanding Case of Enterprise Party Building Innovation	Research Center for Chinese Modernization of the Central Party School School of Marxism, Peking University Hongqi Press China Enterprise News Group	China Resources Power (Luoyang) Co., Ltd.	August 2024
2024 National Enterprise Excellent Party Building Brand Case	Research Center for Chinese Modernization of the Central Party School School of Marxism, Peking University Hongqi Press China Enterprise News Group	CR Power (Northeast) New Energy Co., Ltd.	August 2024
Typical Case of Timely Innovation in Power Safety and Emergency Management in 2024	China Electronics Enterprises Association	Cangzhou China Resources Power Thermal Power Co., Ltd.	August 2024
Bronze Medal for the 2024 Electric Power Innovation and Entrepreneurship Cup, Scientific and Technological Achievements in the Power Industry	China Electricity Technology Market Association	Cangzhou Thermal Power Co., Ltd.	August 2024
2024 National Outstanding Case of Enterprise Party Building Innovation (Party Building Brand Case)	Research Center for Chinese Modernization, Central Party School (National Academy of Governance) School of Marxism, Peking University Hongqi Press China Enterprise News Group	China Resources (Cangzhou Yundong) Co., Ltd.	August 2024
"Double Top 100" Enterprises in Chongqing	Chongqing Enterprise Confederation (Entrepreneurs Association)	Chongqing Qineng Electric Aluminum Co., Ltd.	September 2024
2023 National Wind Farm Production and Operation Statistical Indicators Benchmarking Northwest Shaanxi Province AAAA Level	China Electricity Council	Dingbian Wind Farm of CR Power Holdings Co., Ltd.	September 2024
China Electric Power Quality Project Award	China Electric Power Construction Association	China Resources Ningwu 2×350MW Low Calorific Value Coal-fired Power Generation Project	September 2024
The Fifth National Modern Industrial Party Building Innovation Achievement – Third Prize	China Industrial News Innovation Working Committee of China International Association for Promotion of Science and Technology	Chongqing Qineng Electric Aluminum Co., Ltd.	October 2024
Second Prize of 2024 "Rose and Literature" Themed Reading Activity for Female Employees in Chongqing	Chongqing Federation of Trade Unions	Qineng Company of Chongqing Energy Investment Group	October 2024
Typical Cases of Energy Electronics (Terminal Application) in 2024	China Electronics Enterprises Association	China Resources New Energy (Qinghai) Co., Ltd.	November 2024

Award name	Awarded by	Awarded units	Date
Outstanding Unit in the Mid-term "8th Five-Year Plan" Legal Education	Legal Education Office of the State-owned Assets Supervision and Administration Commission of the State Council	South China Region of CR Power Holdings Co., Ltd.	November 2024
2024 Hong Kong Green Awards – Bronze Environmental, Health, and Safety Award	Hong Kong Green Council	Longgang Wind Farm of China Resources Power Northeast New Energy Company	December 2024
2024 National Power Safety Culture Construction Demonstration Project	China Electric Equipment Management Association	China Resources Power (Dengfeng) Co., Ltd.	December 2024
2024 National Power Safety Culture Construction Demonstration Project	China Electric Equipment Management Association	China Resources New Energy Investment Co., Ltd. Ningxia Branch	December 2024
2024 National Power Safety Culture Construction Demonstration Project	China Electric Equipment Management Association	China Resources Power (Inner Mongolian West) Co., Ltd.	December 2024

Key Performance Table[1]

Development performance

	Unit	2020	2021	2022	2023	2024
Total assets	100 million HKD	2,596.32	2,879.67	2,833.88	3223.96	3624.64
Electricity sales (Subsidiary power plants)	GWh	154,944	177,300	184,604	193,265	207,637
Heat supply	MGJ	112.00	115.24	124.62	119.50	129.83
Grid-connected attributable generation capacity[2]	MW	43,365	47,997	52,581	59,764	72,433

Economic performance

	Unit	2020	2021	2022	2023	2024
Turnover	100 million HKD	695.5	904.1	1033.1	1033.3	1052.8
Operating profit	100 million HKD	140.9	60.3	135.5	182.0	232.2
Net profit attributable to shareholders[3]	100 million HKD	75.8	21.4	70.4	110.0	143.9
Return on invested capital (ROIC)	%	6.8	1.9	3.6	6.6	6.1
Return on equity (ROE)	%	12.3	3.4	7.1	11.8	14.2
Asset-liability ratio	%	59.2	62.6	64.5	67.6	66.9
Interest-bearing liability ratio	%	50.5	55.6	57.9	61.1	61.4
Maintenance and appreciation rate of state-owned assets	%	112.7	104.0	106.2	112.2	116.7
Net operating cash flow	100 million HKD	207.0	79.7	241.7	288.7	337.0
Cumulative number of patents applied	Units	1,756	2,111	2,474	2,941	3,190
Cumulative number of authorized patents	Units	927	1,292	1,593	1,941	2,361

1. The data marked with "*" has been verified by a third party. Please refer to the third-party verification report on pages 4 to 5. The scope of this verification covers the controllable subsidiary power plants of CR Power.
2. Attributable grid-connected installed capacity in 2024. Attributable operational installed capacity in 2020-2023.
3. Refers to the net profit attributable to the shareholders of the Company.

Environmental performance

	Unit	2020	2021	2022	2023	2024
Proportion of renewable energy grid-connected attributable generation capacity[4]	%	25.9	32.2	32.3	37.8	47.2
Total investment in environmental protection	100 million RMB	14.99	14.77	13.52	18.57	14.54
Investment in energy-saving and emission-reduction technology transformation	100 million RMB	12.70	10.96	10.41	14.68	12.26
Energy consumption per RMB10,000 industrial added value	Ton of standard coal	8.90	13.13	11.89	8.50	7.48
Water consumption per RMB10,000 industrial added value	t	67.98	85.19	72.71	51.20	44.80
Total GHG emissions[5]	10,000 t	14,071	15,308	15,261	13,944	14,645*
Direct GHG emissions (Scope 1)	10,000 t	/	15,303.69	15,256.97	13,939.26	14,639.19
Indirect GHG emissions (Scope 2)	t	/	43,083	44,986	50,774	54,813
Carbon emission intensity per kWh[6]	g/kWh	726	692	680	635	592*
Carbon emission intensity per kWh (thermal power)[6]	g/kWh	834	837	841	839	800*
Comprehensive energy consumption	Standard coal (10,000 t)	2,723.37	3,009.43	2,995.27	3,126.35	2,842.01
Standard coal consumption for power supply (subsidiary coal-fired power plants)[7]	g/kWh	296.0	296.8	297.2	297.2	295.9*
Natural gas consumption[8]	1 million m^3	285.72	281.27	356.04	425.96	410.07*
Diesel consumption[8]	10,000 t	1.29	1.51	2.41	1.51	1.40*
Coal consumption[8]	10,000 t	7,481.37	8,379.59	8,826.06	7,732.24	8,303.71*
Purchased electricity[9]	MWh	104,513.67	78,080.11	81,054.00	77,499.43	101,754.37*
Power consumption rate for power generation plant	%	4.85	5.01	5.09	5.01	5.07
Power consumption rate for comprehensive plant	%	5.85	5.98	6.01	6.13	6.21
Total water intake	10,000 t	21,456.43	23,601.55	22,458.32	23,097.16	21,506.25
Fresh water consumption (surface water)	10,000 t	16,106.18	16,802.58	15,909.59	16,717.88	15,042.69
Fresh water consumption (ground water)	10,000 t	500.38	595.38	585.46	459.08	44.47
Fresh water consumption (urban reclaimed water)	10,000 t	3389.31	4083.04	4142.77	4267.92	4494.41
Fresh water consumption (other water sources)	10,000 t	1460.56	2120.55	1820.50	1652.28	1924.69

4. Renewable energy includes wind power, PV power generation, and hydropower. 2020-2023 for attributable operational installed capacity. 2024 for attributable grid-connected installed capacity.
5. This indicator refers to the carbon dioxide emissions from the fuel used for power generation and purchased electricity of the controllable and subsidiary power plants of CR Power. According to the provisions of the *Guidelines for Accounting and Reporting of Enterprise Greenhouse Gas Emissions-Power Generation Facilities* (HBQH [2022] No. 485) issued by the Ministry of Ecology and Environment of the People's Republic of China, the total accounted greenhouse gas emissions in the power generation industry mainly include direct greenhouse gas emissions (generated from fossil fuel) and indirect greenhouse gas emissions (generated from purchased electricity). The carbon dioxide from fossil fuel is calculated according to the product of parameters such as fuel consumption, elemental carbon content, oxidation rate and molecular conversion ratio, and the carbon dioxide from purchased electricity is calculated according to the product of the quantity of purchased electricity and grid emission factor. According to the provisions of the Notice on the Management of Greenhouse Gas Emission Reporting in Power Generation Industry from 2023 to 2025 issued by the Ministry of Ecology and Environment of the People's Republic of China on February 7, 2023, the grid emission factor is adjusted from 0.5810 tCO_2/MWh to 0.5703 tCO_2/MWh.
6. On October 16, 2024, the Ministry of Ecology and Environment issued the Notice on Carrying out the Allocation and Settlement of National Carbon Emission Trading Quotas in the Power Generation Industry for 2023 and 2024. According to the provisions of the total quota amount and allocation plan for national carbon emission trading in the power generation industry in 2023 and 2024, The quota allocation benchmark (i.e. strength) was adjusted from the power supply benchmark to the power generation benchmark, so the indicator of the reporting year has been adjusted to the power generation side accordingly. Among them, the carbon emission intensity per kilowatt-hour = power supply carbon emissions/total power generation; the carbon emission intensity per kilowatt-hour of thermal power = power supply carbon emissions/thermal power generation.
7. It refers to the standard coal consumption per unit of power supply, which is calculated according to the *Calculating Method of Economical and Technical Index for Thermal Power Plant* (DL/T 904-2015).
8. It refers to the total amount of energy actually consumed by the Company in production and non-production processes, which is calculated according to the *Calculating Method of Economical and Technical Index for Thermal Power Plant* (DL/T 904-2015).
9. Purchased electricity refers to the electricity purchased by power enterprises from power grids or other power generation enterprises.

	Unit	2020	2021	2022	2023	2024
Comprehensive water consumption for power generation	10,000 t	18,067.12	19,518.51	18,315.55	18,829.24	17,011.84
Comprehensive water consumption rate for power generation	t/MWh	1.12	1.11	1.05	1.04	1.02
Waste water discharge	10,000 t	319.50	165.20	168.46	144.60	42.70
Waste water discharge rate[10]	g/kWh	17.53	9.36	9.61	7.94	2.57
Chemical oxygen demand	t	55.02	50.86	47.94	46.61	18.63
Nitrogen oxides emissions	10,000 t	1.97	2.20	2.24	1.97	2.07*
Nitrogen oxides emission rate[10]	g/kWh	0.12	0.13	0.13	0.12	0.12*
Sulfur dioxide emissions	10,000 t	1.06	1.23	1.24	1.08	1.11*
Sulfur dioxide emission rate[10]	g/kWh	0.07	0.07	0.07	0.07	0.07*
Smoke emissions	10,000 t	0.13	0.14	0.15	0.12	0.13*
Smoke emission rate[10]	g/kWh	0.01	0.01	0.01	0.01	0.01*
Installation rate of desulfurization equipment in coal-fired generating units[11]	%	100	100	100	100	100*
Installation rate of denitration equipment in coal-fired generating units[12]	%	100	100	100	100	100*
Total amount of hazardous waste generated	10,000 t	0.40	0.59	0.49	0.57	0.65
Density of hazardous waste generated	g/MWh	22	28	23	24	29
Total non-hazardous waste generated	10,000 t	1,955.25	2,350.23	2,661.54	2,635.93	2494.56
Density of non-hazardous waste generated	t/MWh	0.12	0.11	0.12	0.11	0.11
Total amount of comprehensive utilization of ash and slag	10,000 t	1,420.17	1,796.23	2,054.03	2,009.54	1,804.76
Comprehensive utilization rate of ash and slag	%	88.96	92.81	92.56	91.25	91.14
Total comprehensive utilization of desulfurized gypsum	10,000 t	317.05	375.87	393.56	347.43	320.28
Comprehensive utilization rate of phosphogypsum	%	88.93	92.81	89.29	80.41	78.10

10. Wastewater emission rate = wastewater discharge/thermal power generation; nitrogen oxides emission rate = total nitrogen oxides emissions/thermal power generation; sulfur dioxide emission rate = total sulfur dioxide emissions/thermal power generation; smoke emission rate = total smoke emissions/thermal power generation.
11. Installation rate of desulfurization equipment in coal-fired generating units = number of coal-fired thermal power units with desulfurization equipment installed/total number of coal-fired thermal power units.
12. Installation rate of denitration equipment in coal-fired generating units = number of coal-fired thermal power units equipped with denitration equipment/total number of coal-fired thermal power units.

Social performance

	Unit	2020	2021	2022	2023	2024
Total tax payments	100 million RMB	61.37	45.7	44.2	51.5	84.2
Safety training coverage rate	%	100	100	100	100	100
Major equipment accident	Nr.	0	0	0	0	0
General equipment accident	Nr.	0	0	0	0	0
Employee personal injury and fatality incident[13]	Nr.	0	0	0	0	0*
Unplanned outages	Nr.	19	21	20	24	27
Equivalent available factor	%	91.78	92.25	91.94	91.74	91.27
Number of certified safety engineers	Person	366	403	421	460	530
Total number of employees	Person	21,611	21,252	22,340	22,203	21,849*
Female employees	Person	3,710	3,548	3,090	3,121	3,209*
Ethnic minority employees	Person	959	1,008	1,363	1,480	1,265*
Social insurance coverage rate	%	100	100	100	100	100
Total investment in employee training	10,000 RMB	439	1,030	1,878	2,435	2,676
Coverage rate of employee training	%	100	100	100	100	100
Physical examination coverage rate	%	100	100	100	100	100
Average number of paid leave days	day	8	8	8	8	8
New graduates employed	Person	319	235	548	393	649
Number of newly employed person	Person	790	933	1,496	1,078	1,159
Total charitable donations	10,000 RMB	17,540	1,543	5,502	4,989	5,117
Volunteer activities	Person-time	2,793	1,260	1,568	3,801	3,480

13. It refers to employee casualties caused by production accidents.

Key Policy List

Part C: "Comply or Explain" provisions	
Level	Key policies
A1 emissions	Environmental Protection Management System
	Technical Supervision Standards for Environmental Protection of Coal-fired Units in Thermal Power Generation Plant
A2 Use of resources	Management Measures for Energy Conservation
	Technical Supervision Standards for Energy Conservation of Coal-fired Units in Thermal Power Generation Plant
	Technical Guideline for Scrapping and Regeneration of Denitration Catalyst
	Energy Conservation Supervision Standard
A3 Environment and natural resources	Management Measures for Carbon Assets
	Guidelines for "Three Simultaneities" Management of New Energy Construction Projects
	Environmental Protection Management System
	Law of the People's Republic of China on Environmental Impact Appraisal
	Guiding Measures for Hierarchical and Classified Management of Ecological and Environmental Risks of China Resources Group
B1 Employment	Management Measures for Recruitment
	CR Power Employment Guidelines
	Management Guidelines for Middle-level Managers
	Notice on Continuously Strengthening Recruitment Management
	Regulations on Official Management
	Notice on Strictly Implementing the Avoidance Requirements for Close Relatives of Leaders and Employees
	CR Power Talent Plan during the "14th Five-Year Plan" Period
	Safeguard Mechanism for Encouraging Personnel to Exchange with Disadvantaged and Remote Areas
	Regulations on Labor Contract Management
	Guidelines for Attendance Management of Headquarters
	Employee Rank Management Measures
	Management Regulations for Leaders
	All Employee Performance Management System
	Remuneration and Benefits Management System
	Guidelines for the Administration of Remuneration and Benefits of Fresh Graduates
	Measures for Performance Management of Manager-level Members
	Measures for Remuneration Management of Manager-level Members
	Management Measures for Trade Union
	Management Measures for Revenue and Expenditure of Trade Union Funds
	Measures for the Evaluation of Sci-tech Talent
	Management Measures for Innovation Incentives

Part C: "Comply or Explain" provisions	
Level	Key policies
B2 Health and safety	Management Measures for EHS Supervision Measures for Occupational Health Management Post-EHS Responsibility System Guidelines for Graded Management and Control of Safety Risks Comprehensive Emergency Plan for EHS Emergencies Standards for Emergency Management of Overseas Emergencies Guidelines for EHS in All Stages of Electric Power Construction Projects EHS Risk Assessment Standard for Thermal Power Generation Enterprises (Trial) EHS Risk Assessment Standard for Wind Power Generation Enterprises (Trial) EHS Risk Assessment Standard for PV Power Generation Enterprises EHS Risk Assessment Standard for Hydropower Enterprises (Trial) Guidelines for the Management of Safety Isolation Station for Hazardous Energy Guidelines for Anti-violation Management Management Measures for EHS Performance Evaluation Management Measures for EHS Reward Management Measures for EHS Accidents and Incidents Management Measures for Accountability of EHS Accidents and Incidents Regulations on Work Safety Production Management Measures for Work Safety Production Objectives and Responsibilities Management Measures for Fire Safety Guidelines for Star Rating Management of Independent Safety Teams Guidelines for Safety Production Education and Training Management Implementation Plan of CR Power for the Fire Safety Concentrated Eradication and Rectification Action
B3 Development and training	Management Guidelines for External Training Assignment of Headquarters Guidelines for Management of Internal Trainers Three-year Guidelines for Training Fresh Graduates
B4 Labor standards	Management Measures for Recruitment Regulations on Labor Contract Management Management Measures for Trade Union
B5 Supply chain management	EHS Management Guidelines for Related Parties Management Measures for Leaders' Intervention in Bidding and Specific Engineering Project Recording, Notification and Accountability Guidelines for Handling Objections and Complaints in Bidding Procurement Projects Supplier Management Measures Procurement Management System

Part C: "Comply or Explain" provisions	
Level	Key policies
B6 Product responsibility	Rules for Inspection and Evaluation of Quality Assurance System of Construction Projects Management Guidelines for Examination of Technical Specifications for Thermal Power Construction Management Guidelines for Review of Thermal Power Construction Drawings Standards for Power Quality Technical Supervision of Power Generation Plants Knowledge Management Standards Information Security Management Standards Information System Security Management Specification Network Security Incident Management Specification Guidelines for Network Security Protection of Industrial Control Systems Guidelines for Management of Cybersecurity Incidents Guidelines for Event Management of IT Application System Code for IT Construction of Power Plants List of Normalized Operation and Maintenance Work of Network Security Measures for Switching between Peacetime and Wartime of Network Security Legal Dispute Case Management System Guidelines for Risk Management of Electricity Sales Business Management Measures for the Reporting of Significant Business Risk Events Measures for the Management of Technology Expert Consultation Guidelines for Customer Service Management of Electricity Sales Business Customer Service Center Implementation Measures for Fault Tolerance and Correction of Sci-tech Innovation Guidelines for R&D Fund Management Guidelines for Sci-tech Innovation Statistics Working Rules for Achievements Transformation Detailed Rules for the Management of Innovation Consortium Management Measures of CR Power for Technical Research Projects Guidelines of CR Power Technology Research Institute for Intellectual Property Application (Trial) Patent Management Standard of CR Power Data Security Management Specification of CR Power Guidelines for the Construction of Network Security Benchmark Power Plants (Stations)
B7 Anti-corruption	Internal Audit Management System Supervision and Management Standards for State-owned Assets Measures for the Management of Integrity and Self-discipline Information of Managers and Personnel in Key Positions Regulations on Handling of Employees' Violation of Regulations and Disciplines Audit Rectification Management System Management Measures for Economic Responsibility Audit Violation Accountability Audit System Guidelines for Quality Control of Audit Projects Guidelines for Off-site Audit Confidentiality Requirements and Disciplines for Tendering and Bid Evaluation Risk Management Manual

Part C: "Comply or Explain" provisions	
Level	Key policies
	Management Measures for the Reporting of Significant Business Risk Events Internal Control Management System Guidelines for Internal Control Evaluation Procurement Management System Code of Conduct for Integrity in Professional Practice Transparent Procurement Declaration Measures for the Management of Financial Heads Measures for the Management of Dispatched Financial Heads of Shareholding Enterprises Guidelines for the Assessment of Financial Heads of Subsidiary Units (Trial) Working Methods of "General Supervision" System Measures for the Management of Related Party Transactions of Managers Interim Measures for the Management of Regulating Managers and Personnel in Key Positions to Invest Abroad as Shareholders and Run Enterprises Management Measures for Prevention of Conflicts of Interest Measures for Compliance Management of Overseas Anti-Commercial Bribery Guidelines for Compliance Management of Anti-commercial Bribery in Overseas Businesses Guidelines for the Management of Complaints and Reports about Compliance Work Compliance Management System Anti-monopoly Compliance Guidelines Management Measures for Anti-monopoly and Anti-unfair Competition Working System of Rule of Law Investor Relations Management Measures
B8 Community investment	Management Measures for Outward Donations Social Responsibility Program Management Standards Guidelines for Wind Power Poverty Alleviation Model Management Measures for the Love Assistance Fund

Part D: Climate-related disclosures	
Indicators	Key policies
Climate change	Research Report on CR Power's Action Plan for Carbon Emissions Peak and Carbon Neutrality Management Measures for Carbon Assets Air Pollution Prevention and Control Action Plan

Rating Report

Rating Report of Sustainable Development Report 2024 of China Resources Power Holdings Co., Ltd.

Entrusted by China Resources Power Holdings Co., Ltd., the Chinese Expert Committee on CSR Report Rating selected experts to form a rating team to rate *Sustainable Development Report 2024 of China Resources Power Holdings Co., Ltd.* (hereinafter referred to as "the *Report*").

I. Rating Criteria

Guidelines on Sustainable Development Report for Chinese Enterprises (CASS-ESG 6.0) of the China Enterprise Reform and Development Society and the Responsibility Cloud Research Institute, and *China Corporate Sustainable Development Report Rating Standards (2025)* of "Corporate Social Responsibility Report Rating Expert Committee of Chinese Enterprises".

II. Rating Process

1. The rating team reviews and confirms the *Process Data Confirmation of Sustainable Development Report* submitted by the report writing group and relevant supporting materials;

2. The rating team conducts evaluation on the preparation process and the content disclosed by the *Report*, and then drafts the rating report;

3. The Vice Chairman of the Rating Expert Committee, the leader of the rating team, and the experts of the rating team jointly sign the rating report.

III. Rating Results

Process (★★★★★)

The Company's sustainable development committee has led the establishment of report preparation work group in which the independent non-executive director serves as the chairman of the committee to controls the overall direction of the *Report*, the board of directors is responsible for the final review of the *Report*; with definite function value position, the *Report* is taken as an important tool to meet the requirements of information compliance disclosure, improve sustainability management, disseminate the brand image of corporate sustainable development, respond to the capital market requirements, strengthen the communication with stakeholders; material issues are identified based on the national macro policies, international and domestic indicator systems, industry bench-marking analysis, the Company's development strategy and stakeholder investigation; a social responsibility indicator system with characteristics of the Company is constructed; the affiliated Guangxi Branch of the Company is promoted to prepare the social responsibility report. Hence, the *Report's* process performance is excellent.

Materiality (★★★★★)

The *Report* discloses key industrial issues such as responding to climate change, pollutant discharge, waste disposal, energy and resource conservation, rural revitalization, sustainable supply chain, safety and quality of products and services, occupational health and safety, sustainable governance mechanisms, anti-commercial bribery and anti-corruption, with detailed and full description. Hence, the *Report's* materiality performance is excellent.

Integrity (★★★★★)

The main body of the *Report* discloses 91.72% of the core indicators of the industry from the perspectives of "Clean and Low-carbon, Working towards Sustainable Electricity", "Shouldering the Responsibility for a Sustainable Future", "Put People First and Enhance Sustainable Momentum", and "Integrity and Compliance, Promoting Sustainable Operations". Hence, the *Report's* integrity performance is excellent.

Balance (★★★★★)

The *Report* reveals the negative data such as "significant environmental emergencies", "employee turnover rate", "production safety accidents", "Loss of life or personal injury accidents of employees", and "unplanned outage", and briefly describes the Company's approach to address corruption-related irregularities. Hence, the *Report's* balance performance is excellent.

Comparability (★★★★★)

The *Report* discloses the comparative data of 78 key indicators such as "electricity sales", "Proportion of grid-connected installed capacity attributable to renewable energy operations", "safety training coverage rate", "Total charitable donations", "total GHG emissions", and "carbon emission intensity per kWh" for three consecutive years, and makes a horizontal comparison on the data such as "No. 734 place in Forbes Global 2,000" and "No. 1 place in the ESG-Pioneer 100 Index of Chinese central State-owned enterprises". Hence, the *Report's* comparability performance is excellent.

Readability (★★★★★)

The *Report* adopts a corporate characteristic framework, which comprehensively shows the actions and achievements of corporate responsibility from the three dimensions of environment, society and governance; the "top 10 events in 2024" of the *Report* focuses on the key practices of corporate responsibility in the year, which highlights the leadership of corporate responsibility and the contemporary sense of the *Report* content; the *Report's* cover design adopts an illustration style, highlighting the characteristics of the Company's industry, incorporating elements of the Company's main business, closely echoing the concept of corporate responsibility, and enhancing the *Report's* recognizability; the *Report's* chapters pages present the theme text through

the four-pillar framework of "Governance-Strategy-Risk Management-Key Indicators", and adopt real-life diagrams embodying the characteristics of the Company, which enhances the *Report's* communicative power and recognition; the *Report* uses intuitive comparative charts to highlight the effectiveness of responsibility fulfillment, which significantly enhances the *Report's* accessibility. Hence, the *Report's* readability performance is excellent.

Innovativeness (★★★★★)

The *Report* sets the special topic of "Creating First-Class, Empowering HighQuality, and Promoting Sustainable Development for the World", which shows that the Company promotes high-quality and sustainable development through promoting green transformation, strengthening core technology research and adhering to reforms and empowerment, and highlights the Company's responsibility of central enterprises; the Company continued to improve the *CR Power Social Responsibility Program Management Standards*, clarifying the management responsibilities and organization system of corporate sustainable development work, which is conducive to further promoting the improvement of the management system of sustainable development work; the Company promotes its subsidiaries to publish sustainability reports, forming a multi-level reporting system. Hence, the *Report's* innovativeness performance is excellent.

Overall Rating (★★★★★+)

According to the rating team's assessment, *Sustainable Development Report 2024 of China Resources Power Holdings Co., Ltd.* is of five-star plus rating and is the model of corporate sustainable development report.

中国企业社会责任报告
评级专家委员会
Chinese Expert Committee on CSR Report Rating

The Sustainable Development Report of China Resources Power Holdings Co., Ltd. had been rated five stars for four consecutive years and was rated five-star plus for the sixth year in succession.

IV. Improvement Suggestions

1. Enhance the disclosure of the core indicators of the industry and improve the integrity of the *Report*;

2. Enhance the disclosure of cases of insufficient fulfillment of responsibilities to further improve the balance of the report.

Vice President of Chinese Expert Committee

Leader of the Rating Team

Expert of the Rating Team

Issuance date: April 23, 2025

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Report Index 1

Index to Indicators in Appendix C2 *Environmental, Social and Governance Reporting Code* of the HKEX *Listing Rules*:

Part B: Mandatory Disclosure Provisions		
Main categories, levels, general disclosure, and key performance indicators		Corresponding section
Governance structure	a statement by the Board of Directors containing: (i) Disclose the Board of Directors' supervision of environmental, social, and governance matters; (ii) The Board of Directors' environmental, social, and governance management policies and strategies, including the process for assessing, prioritizing, and managing material environmental, social, and governance-related matters, including risks to the issuer's business; and (iii) How the Board of Directors assesses progress on ESG-related targets and explains their connection to the issuer's operations.	• Sustainable development management
Reporting principles	Describe or explain how the following reporting principles are applied when preparing environmental, social, and governance reports: **Materiality:** The ESG report should disclose: (i) the process for identifying significant environmental, social, and governance factors, along with the criteria for selecting these factors; and (ii) if the issuer has conducted stakeholder engagement, include a description of the significant stakeholders identified, and the process and outcomes of the issuer's stakeholder engagement. **Quantification:** Information regarding the standards, methodologies, assumptions, and/or calculation tools used for reporting emissions or energy usage (where applicable), as well as the source of the conversion factors used, should be disclosed. **Consistency:** The issuer should disclose any changes in statistical methodologies or key performance indicators (if any), along with any other factors relevant to a meaningful comparison, in the ESG report.	• Sustainable development management
Reporting scope	Explain the reporting scope of the ESG report and describe the process for selecting which entities or businesses to be included in the ESG report. If the reporting scope changes, the issuer should explain the difference and the reason for the change	• About the ESG Report

Part C: "Comply or Explain" provisions			
Main categories, levels, general disclosure, and key performance indicators			Corresponding section
A. Environment			
Aspect A1: Emissions General disclosure	General disclosure Information on exhaust emissions, discharges to water and land, generation of hazardous and non-hazardous waste, etc.: (a) Policies; and (b) Information on compliance with relevant laws and regulations that have a material impact on the issuer.		• Enhancing climate action • Improving resource efficiency • Key Policy List
	Key performance indicator A1.1	Emission types and relevant emission data	• Key performance table
	Key performance indicator A1.2	[Deleted January 1, 2025]	
	Key performance indicator A1.3	Total hazardous waste generated (in tons) and, if applicable, density (if calculated per production unit and per facility)	• Key performance table
	Key performance indicator A1.4	Total non-hazardous waste generated (in tons) and, if applicable, density (if calculated per production unit and per facility)	• Key performance table
	Key performance indicator A1.5	Describe the emission reduction targets set and the steps taken to achieve such targets	• Improving resource efficiency • Implementing environmental governance
	Key performance indicator A1.6	Describe the methods for disposing of hazardous and non-hazardous waste, as well as the waste reduction targets set and the steps taken to achieve such targets	• Improving resource efficiency
Aspect A2: Use of resources	General disclosure Policies for the efficient use of resources, including energy, water, and other raw materials		• Improving resource efficiency
	Key performance indicator A2.1	Total consumption of direct and/or indirect energy (e.g., electricity, gas, or oil) by type (calculated in thousands of kWh) and density (if calculated per production unit and per facility)	• Key performance table
	Key performance indicator A2.2	Total water consumption and density (if calculated per production unit and per facility)	• Key performance table
	Key performance indicator A2.3	Describe the energy efficiency targets set and the steps taken to achieve such targets	• Improving resource efficiency • Implementing environmental governance
	Key performance indicator A2.4	Describe any problems that may arise in accessing applicable water sources, as well as the water efficiency targets set and the steps taken to achieve such targets	• Improving resource efficiency
	Key performance indicator A2.5	The total quantity of packaging materials used in the finished product (in tons) and, if applicable, the estimated quantity per production unit	• Not applicable
Aspect A3: Environment and natural resources	General disclosure Policies to reduce the Issuer's significant impact on the environment and natural resources		• Clean and low-carbon, working towards sustainable electricity
	Key performance indicator A3.1	Describe the significant impacts of the business activities on the environment and natural resources and the actions taken to manage such impacts	• Clean and low-carbon, working towards sustainable electricity
Aspect A4: Climate change	[Deleted January 1, 2025]		–
	Key performance indicator A4.1	[Deleted January 1, 2025]	–

Part C: "Comply or Explain" provisions			
Main categories, levels, general disclosure, and key performance indicators			Corresponding section
B. Society			
Employment and labor practices			
Aspect B1: Employment	General disclosure Concerning remuneration and dismissal, recruitment and promotion, working hours, holidays, equal opportunity, diversity, anti-discrimination, and other treatment and benefits: (a) Policies; and (b) Information on compliance with relevant laws and regulations that have a material impact on the issuer.		• Put people first and enhance sustainable momentum • Key Policy List
	Key performance indicator B1.1	Total workforce by gender, employment type (e.g., full – or part-time), age group and geographical region.	• Respect the rights and interests of employees
	Key performance indicator B1.2	Employee turnover rate by gender, age group, and geographical region.	• Respect the rights and interests of employees
Aspect B2: Health and safety	General disclosure Information on the provision of a safe working environment and the protection of employees from occupational hazards: (a) Policies; and (b) Information on compliance with relevant laws and regulations that have a material impact on the issuer.		• Safeguarding employee safety • Key Policy List
	Key performance indicator B2.1	Number and rate of work-related fatalities that occurred in each of the past three years, including the reporting year	• Safeguarding employee safety
	Key performance indicator B2.2	Lost days due to work injury	• Safeguarding employee safety
	Key performance indicator B2.3	Describe occupational health and safety measures adopted, and how they are implemented and monitored	• Care for the growth of employees • Safeguarding employee safety
Aspect B3: Development and training	General disclosure Policies to enhance employees' knowledge and skills in performing their job duties. Describe training activities.		• Motivating employees to make progress
	Key performance indicator B3.1	Percentage of employees trained by gender and employee category (e.g., senior management, middle management).	• Motivating employees to make progress
	Key performance indicator B3.2	The average training hours completed per employee by gender and employee category	• Motivating employees to make progress
Aspect B4: Labor standards	General disclosure Information on the prevention of child or forced labor: (a) Policies; and (b) Information on compliance with relevant laws and regulations that have a material impact on the issuer.		• Respect the rights and interests of employees • Key Policy List
	Key performance indicator B4.1	Describe measures to review recruitment practices to avoid child and forced labor.	• Respect the rights and interests of employees
	Key performance indicator B4.2	Describe steps taken to eliminate such practices in case of any violation	• Respect the rights and interests of employees

Part C: "Comply or Explain" provisions			
Main categories, levels, general disclosure, and key performance indicators			Corresponding section
Operating practices			
Aspect B5: Supply chain management	General disclosure Environmental and social risk policies to manage the supply chain		• Promoting win-win cooperation
	Key performance indicator B5.1	Number of suppliers by geographical region	• Promoting win-win cooperation
	Key performance indicator B5.2	Describe practices relating to engaging suppliers, the number of suppliers where the practices are being implemented, and how they are implemented and monitored	• Promoting win-win cooperation
	Key performance indicator B5.3	Describe practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored	• Promoting win-win cooperation
	Key performance indicator B5.4	Describe practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored	• Promoting win-win cooperation
Aspect B6: Product responsibility	General disclosure Information on health and safety, advertising, labeling and privacy matters of and remedies for products and services offered (a) Policies; and (b) Information on compliance with relevant laws and regulations that have a material impact on the issuer.		• Building Brand Service
	Key performance indicator B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons	• Not applicable
	Key performance indicator B6.2	Number of products and service related complaints received and how they are dealt with	• Building Brand Service • Key performance table
	Key performance indicator B6.3	Describe practices relating to observing and protecting intellectual property rights	• Adhere to innovation-driven development
	Key performance indicator B6.4	Describe the quality assurance process and recall procedures	• Not applicable
	Key performance indicator B6.5	Describe consumer data protection and privacy policies, and how they are implemented and monitored	• Adhere to innovation-driven development
Aspect B7: Anti-corruption	General disclosure Concerning the prevention of bribery, extortion, fraud and money laundering: (a) Policies; and (b) Information on compliance with relevant laws and regulations that have a material impact on the issuer.		• Consolidate the foundation of compliance
	Key performance indicator 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.	• Consolidate the foundation of compliance
	Key performance indicator B7.2	Describe preventive measures and whistle-blowing procedures, and how they are implemented and monitored	• Consolidate the foundation of compliance
	Key performance indicator B7.3	Describe anti-corruption training provided to directors and employees	• Consolidate the foundation of compliance

Part C: "Comply or Explain" provisions			
Main categories, levels, general disclosure, and key performance indicators			**Corresponding section**
Community			
Aspect B8: Community investment	General disclosure Policies on community involvement to understand the needs of the communities in which we operate and to ensure that community interests are taken into account in our operations		• Building a beautiful community
	Key performance indicator B8.1	Focus areas of contribution (e.g. education, environmental matters, labor needs, health, culture, and sport)	• Building a beautiful community
	Key performance indicator B8.2	Resources (e.g., money or time) used in the focus areas	• Building a beautiful community

Part D: Climate-related disclosures		
Main categories, levels, general disclosure and key performance indicators		**Corresponding section**
Governance	The issuer shall disclose information on the following aspects: (a) Information regarding the governance body (which may include the Board of Directors, committees, or other equivalent governance entities) or individuals responsible for overseeing climate-related risks and opportunities. Specifically, the issuer must identify the relevant bodies or individuals and disclose the following information: (i) How the organization or individual assesses whether they currently possess or will possess the appropriate skills and competencies to oversee strategies addressing climate-related risks and opportunities; (ii) The manner and frequency with which the organization or individual is informed about climate-related risks and opportunities; (iii) How the organization or individual considers climate-related risks and opportunities while supervising the issuer's strategies, major transaction decisions, and risk management processes and related policies, including whether they assess trade-offs associated with these climate-related risks and opportunities; (iv) How the organization or individual oversees the setting of targets and monitors progress towards climate-related risks and opportunities, including whether and how relevant performance indicators are integrated into compensation policies; and (b) The role of management in the governance processes, monitoring measures, and procedures used to observe, manage, and oversee climate-related risks and opportunities, including details on the following: (i) Whether the role is delegated to a particular management-level person or committee of management and how oversight of that person or committee will be exercised; and (ii) Management may use monitoring measures and procedures to assist in overseeing climate-related risks and opportunities; if so, how these monitoring measures and procedures are integrated with other internal functions.	• Enhancing climate action

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Report Preparation Team

Leadership Team

Team Leader	Shi Baofeng
Deputy Team Leader	Wang Bo Liu Xiusheng Song Kui Meng Zhongwen Hou Yongjie Duan Wanli Ma Li
Team Members	Xin Wenda Li Fuji Wei Chuidong Wang Huabing Wang Bingdong Lan Qiquan Gao Zhongyuan Huang Huawei Zhao Liang Liang Hui Chen Bin Wang Jian Liu Yangguang Zhou Li Wang Linhu Zuo Xuequn Han Yi

Writing Team

Team Leader	Xin Wenda
Deputy Team Leader	Xu Yanteng
Team Members	
Administrative Office	Wu Yue
Strategic Investment Department	Zheng Li
Construction Management Department	Liu Xiaodong
Operations Management Department	Liu Ziqi Liang Haiyong Cao Qing Zhang Xin
Fuel Procurement Department	Chang Haihong Liu Yuanfeng
Procurement Management Department	He Liyong Yang Wei Zheng Xin'an
Integrated Energy Development Department	Tang Guoli Li Jiaqi Yao Yuyan Xu Wei
Human Resources Department	Qin Xiaojuan Tang Liping
Finance Department	Zhu Zhi Guo Bin
Audit Department	Chen Xiaohua
Supervision Department	Chen Liyong
Legal Department	Li Yunlong Zhang Anruo
Science, Technology and Digitalization Department	Feng Tianshu Zhang Shaonan
Environmental Health and Safety Department	Wan Jingjiang Yang Shengquan
Mass Affairs Department	Du Jianmei Fan Xinmei
Investor Relations, Hong Kong and Macau Affairs Department	Cheng Ye Liu Yanhui Wu Zhuoran Xu Zilan
South China Region	He Yao Wang Yuzhang
Central China Region	Zhang Kai Qin Yuzhuo
East China	Wang Siheng Han Su
Central and Western Region	Wang Renqing Zhang Peng Jiang Luqi
North China Region	Wang Guangpu Feng Keke
Northern Region	Li Zhiqiang Zhang Zeyuan
Northeast Region	Liu Jiahui Zhang Lianyu
Xinjiang Region	Chen Mingqiu Wan Youyong Lou Jingjia Chen Peiyun
Chongqing Energy Investment Group	Liu Caixia Yang Wenjuan Zhang Yue

华润电力控股有限公司
China Resources Power Holdings Company Limited

Rooms 2001-2002 20/F, China Resources Building, 26 Harbour Road, Wanchai, Hong Kong
Tel.: (852) 2593 7530 Fax: (852) 2593 7531

26/F, China Resources Land Building Block C, 9668 Shennan Avenue, Nanshan District, Shenzhen
Tel.: (86) 755 8269 1666 Fax: (86) 755 8269 1500

Website: www.cr-power.com