



中国电力国际发展有限公司





Provide green energy for clean development



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03

About this Report

Report Reference

This report is written in line with "Guidelines for Central Enterprises to Fulfill Social Responsibilities" issued by SASAC.,and"Environmental, Social and Governance Reporting Guide"issued by the Stock Exchange of Hong Kong (SEHK). It also refers to "G4 Sustainability Reporting Guidelines" published by the Global Reporting Initiative (GRI) and "Chinese CSR Report Preparation Guide Version 3.0"(CASS-CSR 3.0).

Reporting Period

This report covers our activities from January 1, 2016 to December 31, 2016, while some information may refer to previous years.

Release Cycle

This report is an annual report.

Report Coverage

This report covers China Power International Development Limited. (Refer to the "Corporate Structure"part).

Information Sources

The financial data in this report come from the 2016 audited annual reports of China Power and other information come from the internal official documents and related statistics of China Power.

Alternative Reference

In this report, "We", "the Company" and "China Power" shall all refer to "China Power International Development Limited".

ccess to This Report

This report has both Chinese and English versions and is released in both printed version and electronic version. If youneed this report, please contact us. E-mail: ir@chinapower.hk Tel: 852-2802 3861

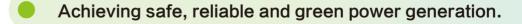
Message from the Chairman



2016 marked the first year of China's "13th Five-Year" Plan period as well as a year of transformation for China Power. The year witnessed the slow yet steady growth of the Chinese economy as well as the rebounding growth of demand for electricity. In the meantime, however, installed generating capacity across the country increased much faster than demand so power enterprises were under considerable pressure in running operations. Committed to "providing green energy for clean development", China Power responded actively to the challenges and managed to enhance the sustainability of its own business and society as a whole by maintaining stable power generation, increasing the share of clean energy, making significant progress in electricity distribution and sales, integrated energy development and efficient funds management, and pushing forward reform, innovation, and upgrading.

Promote clean, intelligent and innovative development.

China Power makes continued efforts to develop cleaner coal-fired power, advance the steady development of hydropower, expedite the development of quality wind and photovoltaic power projects, increase the proportion of clean energy, and facilitate electricity distribution and sales and integrated energy development. As of the end of 2016, the installed capacity of clean energy based on accounted to approximately 22.01% of the total, up 2.27 percentage points over 2015. Integrated energy projects were launched in Guangdong, Guangxi, Sichuan and Anhui, and seven companies were established for selling electricity or providing integrated energy services. The company improves the technological innovation management system to drive continuous innovation. The first China Power Scientific and Technological Progress Award Election was held in 2016. China Power's subsidiaries carried out 54 technology projects and were granted 21 patents in total. The Company leverages its technology strength and managerial experience to drive the sustainable development of local economy. As of the end of 2016, China Power paid a total of RMB 3.269 billion in taxes and provided 848 new jobs for local people.



China Power adheres to the safety production directivesof "safety as priority, prevention rather than cure, and comprehensive management", strives to ensure workplace safety, tightens "four controls" on construction projects, and keeps improving safety management. In 2016, CP Pu'an Power Plant was listed by SPIC as a demonstration project for digitalized power plant and Pingwei Power Plant III was recognized as a quality project in China's power industry and "Chinese Installation Star". In response to the global climate change, the company worked hard to promote energy saving and emission reduction and made impressive progress in advancing the renovation of coal-fired units for environmental friendliness. In 2016, 13 units were renovated to achieve ultra-low emissions. Discharge of sulphur dioxide, nitrogen oxide, and flue gas and dust emissions decrease significantly year-on-year by 2,281 tons, 1,293 tons and 679 tons, respectively. Coal consumption rate in power generation was approximately 304.93 g/kWh, a year-on-year decline of about 2.15 g/kWh, equivalent to a saving of approximately 90,000 tons of coal equivalent.

Operating prudently to lay a solid foundation for development.

Facing challenges such as falling electricity tariffs, soaring coal prices, and declining utilization hours of power generating units, China Power managed to cut costs, improve quality and efficiency, and maintain steady business growth, thus creating sustainable value for shareholders. In 2016, electricity sold totaled 60,760,318 MWh, net profit attributable to shareholders was approximately RMB 2.366 billion, earnings per share (EPS) was approximately RMB 0.32, and net asset value per share (NAVPS), excluding non-controlling interests, was approximately RMB 3.71, on a par with the 2015 levels. Embracing the philosophy of "running the company according to law and with scientific methods and strict discipline", the company seek to improve the business management system, put in place a sound compliance management mechanism, make the risk management system better and internal audit operations more professional and compliant with standards, and keep the exercise of power under strict control and supervision, thus creating an enabling environment for development.

Promoting social harmony and shareable developmen.

China Power is committed to helping drive social progress by sharing the fruits of development. The company organize charitable activities on a regular basis, keep working on targeted poverty reduction, and encourage employees to take part in volunteer activities such as aiding students in need and visiting left-behind children in rural areas, bringing warmth and hope to the disadvantaged. The Company are also actively involved in disaster relief efforts, doing our bit to help affected people to pull through. In 2016, China Power had 3,331 registered Yingshanhong volunteers, and its subsidiaries staged 152 volunteer activities, involving 5,802 participants who provided up to 11,604 hours of volunteer services.

New circumstances, new opportunities, and new endeavor.

2017 will be a year of challenges as well as opportunities. China Power will keep the faith in "Innovation, Diligence and Harmony" and the commitment to "Responsibility, Integrity, Wisdom and Value" in striving to transform for better development, deliver a stable business performance and seize opportunities presented by reform to push the Company's competitiveness and development to higher levels, innovate for a better future, keep improving the quality and efficiency of development, and work together with stakeholders to raise the levels of economic, social and environmental sustainability.



About China Power





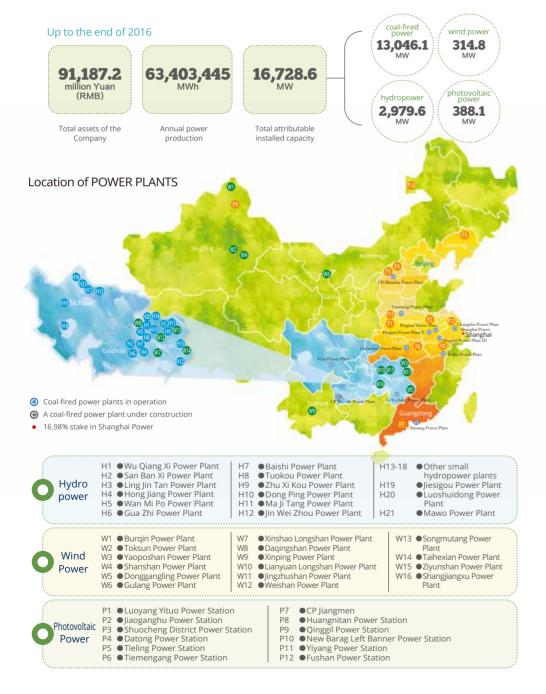




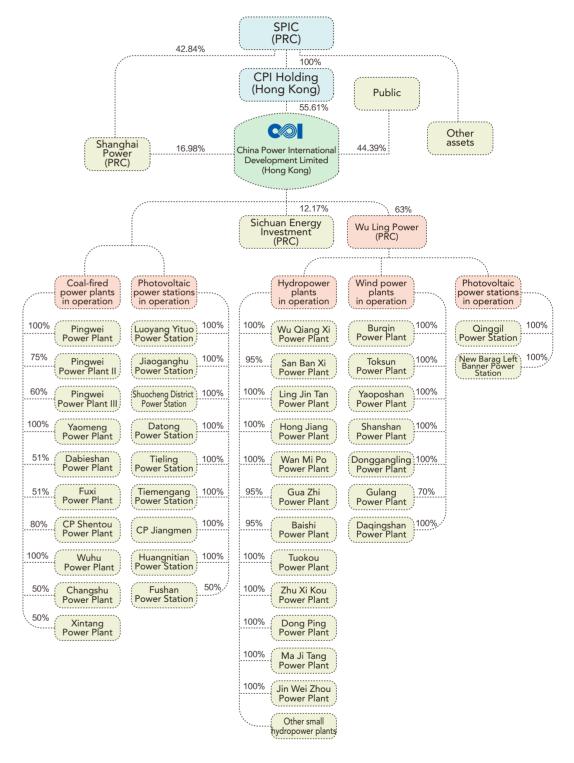
Company Profile

China Power International Development Limited (the "Company" or "China Power") was incorporated in Hong Kong with limited liability under the Hong Kong Companies Ordinance in March 2004 and is a subsidiary of State Power Investment Corporation (SPIC), the only one integrated energy group which simultaneously owns coal-fired power, hydropower, nuclear power and renewable energy resources in the People's Republic of China (the "PRC" or "China").

The Company was listed on The Main Board of The Stock Exchange of Hong Kong Limited (the "Hong Kong Stock Exchange") in October 2004. The Company's principal business is to develop, construct, own, operate and manage large power plants in the PRC.



Corporate Structure



Note: The above group structure is recorded as at the date of 2016 annual report.

Honors











5th Equipment Management Innovation in China's Power Industry – Special Award

2016 International Carbon-Value Award - Innovative Value

2016 SPIC Pump & Valve Overhaul Skill Competition – No.1 Team

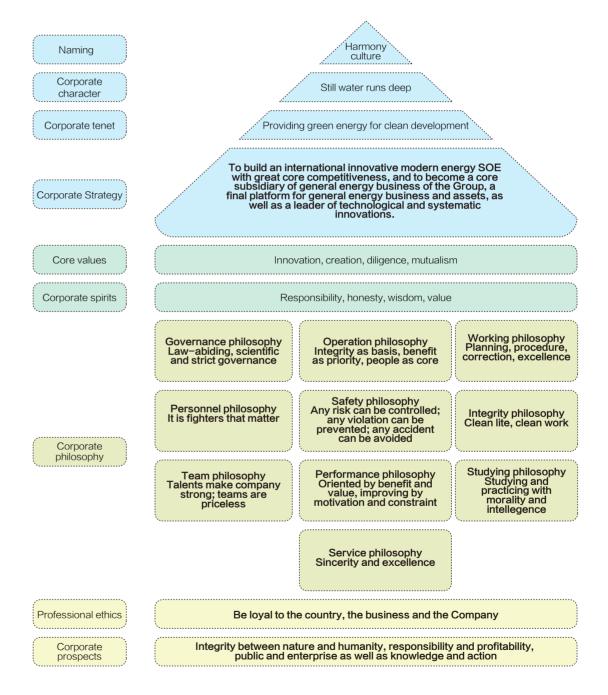
2016 SPIC Electrical Test Engineer Skill Competition – No.2 Team

2016 SPIC Pump & Valve Overhaul Skill Competition – Outstanding Organization Award



Corporate Culture

The Company has actively explored and practiced ways of invigorating business with corporate culture and achieving mutual development in harmony. Under the guide of "culture of harmony" of State Power Investment Corporation (SPIC), the Company has actively promoted innovation in management, built and improved the overall development strategy system, and cultivated the unique corporate culture of "Still water runs deep", for promotion of strategic development, management level and prosperous development of the company.



Participated Social Organizations

About China Power









No.	Organization	Year Joined	Level
		301113G	
1	National Power Generation Units Technology Collaboration	2013	National
2	Price Association of China	2013	National
3	China Enterprise Confederation	2010	Provincial
4	Large Electric Machine Study Committee of Chinese Society for Electrical Engineering	2010	Provincial
5	China Electricity Council	2008	China Electricity Council
6	China Electric Power Equipment Management Association	2014	China Electricity Council
7	Human Resource Association for Chinese & Foreign Enterprises	2015	Provincial
8	Shanxi Society of Ideological and Political Work	2010	Provincial
9	Shanxi Institute of Certified Public Accountants	2013	Provincial
10	Human Resource and Social Security Association of Shanxi	2012	Provincial
11	Henan Electric Power Engineering Construction Enterprise Association	2010	Provincial
12	Anhui Radio Association	2008	Provincial
13	Anhui Association of Enterprises with Foreign Investment	2010	Provincial
14	Jiangsu Worker Newspaper	2008	Provincial
15	Sichuan Power Profession Association	2011	Provincial
16	Sichuan Energy Association	2013	Provincial
17	Pingdingshan Urban Sewage Treatment Profession Association	2011	Municipal
18	Shuozhou Journalists Association	2011	Municipal
19	Wuhu Environment Federation	2013	Municipal
20	Wuhu File Association	2007	Municipal
21	Suzhou Association for Electric Power Industry	2008	Municipal

Note: The chart above only shows a part of social organizations that china power partidpates in.





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Concept of Social Responsibility

The Company complies with the strategic principle of "Human-oriented, Risk Control, Green Operations", pursuing high standards of operations and striving to minimize the adverse impact on the society and the environment. It is improving its standards on clean production to provide safe, economic and clean products and services to customers and the society.

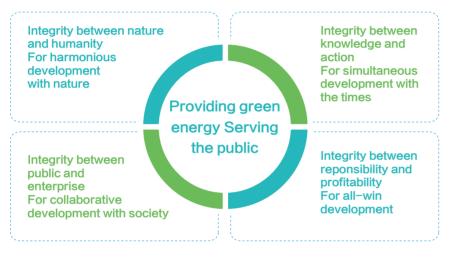


Figure: Model of social responsibility

Social Responsibility Management

CSR information disclosure

China Power actively discloses information about its CSR practices to stakeholders. It has compiled the Corporate Governance Report for many years in a row and there is a page dedicated to "Environmental Protection and Social Responsibility Report" on its official website. In 2016, it compiled the CSR report in two consecutive years.

Stakeholder Communication and Engagement

Stakeholder	Means of communicat & engagement	ion Expectation and requirement	Our response
Regulatory agencies	Participation in related meetings Work reporting Information submission	Abidance by laws and disciplines Operation with compliance Paying taxes according to laws Energy conservation and emission reduction Promoting employment	Accelerating the change of economic growth model Abidance by laws and regulations Proactive communication with regulatory agencies
Investors	Results announcement Roadshow Reverse roadshow Investor conference General meeting of shareholders Regular meetings	Increased profitability Stable dividend policy Ever–growing market capitalization	Maintaining close communication with invest and disclosing information more promptly Working hard to increase the Company's profitability level Taking advice on improving the Company's management
Employees	Workers congress Youth symposium	Occupational health and safety protection Equal welfare guarantee Employees' health and safety assurance More promotion opportunities Employee care	Improving salary system and employee assurance system More investment on health and safety Increasing the happiness index of employees
Clients	Sales and order–placing meeting Customer satisfaction survey	Performance of contract Quality assurance Service support Win-win cooperation with mutual benefit	Providing high-quality, high-efficiency, safe a green energy products and services Keeping trade secrets
Suppliers	Supplier conference Disclosure of tender information Strategic cooperation Cooperation agreement	Long-term cooperation Promise keeping Open, fair and impartial procurement Joint development Win-win cooperation with mutual benefit	Implementing open and transparent business principles and procedures Improving management and sticking to contrand agreements Promoting responsible procurement
Creditors	Cooperation agreement	Strong debt paying ability On-time repayment of capital and interest Mutual trust and cooperation	On-time credit repayment Strengthening communication
Partners	High-level exchange visit Strategic cooperation	Long–term stable partnership	Integrity and abidance by laws Win-win cooperation with mutual benefit
Peers	Industrial association Seminar	Fair competition and harmonious development Joint efforts in safe production Research on environment protection and low carbon footprint	Spreading experience in safe production Increasing the value of industrial chain Sharing technological achievements and techniques
Communities	Cooperative construction Public service activity Publicity activity	Participation in community development Support for public service activities Employment guarantee Local ecological environmental protection	Promoting public service activities Creating local employment opportunities Promoting local economic growth



"Top Runner" in Photovoltaic Power - Building a New Green Engine

Energy is the cornerstone of prosperity for a modern society. As global economy develops rapidly and energy consumption continues to rise, consequent environmental pollution and intensified shortage of traditional energy have become the top concern worldwide. As the world is endeavoring to strike a balance between economic benefits and environmental protection, photovoltaic power projects are becoming an important source of non-fossil energy thanks to maturing technologies, improving upstream and downstream operations and stronger government support. With the developing of low-carbon and clean energy, photovoltaic power projects are becoming a new highlight in China's economic development and energy strategies for the future.

Energy Crisis

- Traditional fossilenergy is being depleted.
- Energy consumption is rapidly rising.

Air Pollution

- •Total air pollutant emissions stay high. The proportion of cities meeting the Grade-II standard of air quality decreases year by year..
- Smog is exerting increasingly greater impact on people's life and health.
 In 2016, smog expanded to 11 provinces and municipalities, covering 1.42 million square kilometers.

China Power fully leveraged advantages in technology and resource to step up efforts in developing the photovoltaic "Top Runner" program, so as to promote photovoltaic project development with high quality, up to high standard and from a high starting point. The Company introduced the innovative "PV +" business model and launched "Photovoltaic + Agriculture", "Photovoltaic + Fishery" projects based on local features, driving the development of new energy that is cleaner and more environment-friendly.

Top runner in the Top Runner Program

As China's first advanced-technology photovoltaic power demonstration base in Datong's coal mining subsidence area, and an independent project of the first "Top Runner" photovoltaic power project, CP Shanxi Datong 100MW photovoltaic power project became a model project ranking first in investor evaluation to win the development right, and the first one to be completed and grid-connected. It ranks among the top in many aspects such as safety, speed, quality and power generation, truly becoming the top runner in the Top Runner Program in the demonstration base.



China Power's Top Runner project



Ranking first in investors evaluation

In the evaluation by 63 investors, the Photovoltaic Power Station ranked first and China Power was granted the right to develop a 100MW project in China's first advanced-technology photovoltaic power demonstration base.



First to complete construction

The project was firstly implemented while covering the smallest area among projects of same capacity in the same region.



The project saw construction commence on September 29, 2015 and was the first in the demonstration base to become grid-connected on June 18, 2016.

Tips: What is the Top Runner Program?

The Photovoltaic Top Runner Program is a photovoltaic support program that the Chinese government started to implement since 2015 mainly by building advanced-technology photovoltaic power demonstration bases and demonstration projects for new technology application.

How to define "Top Runner"? As specified in the Implementation Plan on the Energy Efficiency Top Runner System released by the Chinese government in 2015, "Energy Efficiency Top Runners" refers to products, enterprises or organizations with the highest energy efficiency in the comparable scope of the same category and the National Development and Reform Commission (NDRC) of China will work with related departments to devise incentive policies to encourage the R&D, advocacy and promotion of "Top Runner" products in energy efficiency. "Photovoltaic Top Runner" is a parallel special program on promoting the application of advanced photovoltaic technologies and products and industrial upgrade and enhancing quality management for photovoltaic products and projects.

"PV+" for a prosperous future

Significance of the "PV+" model

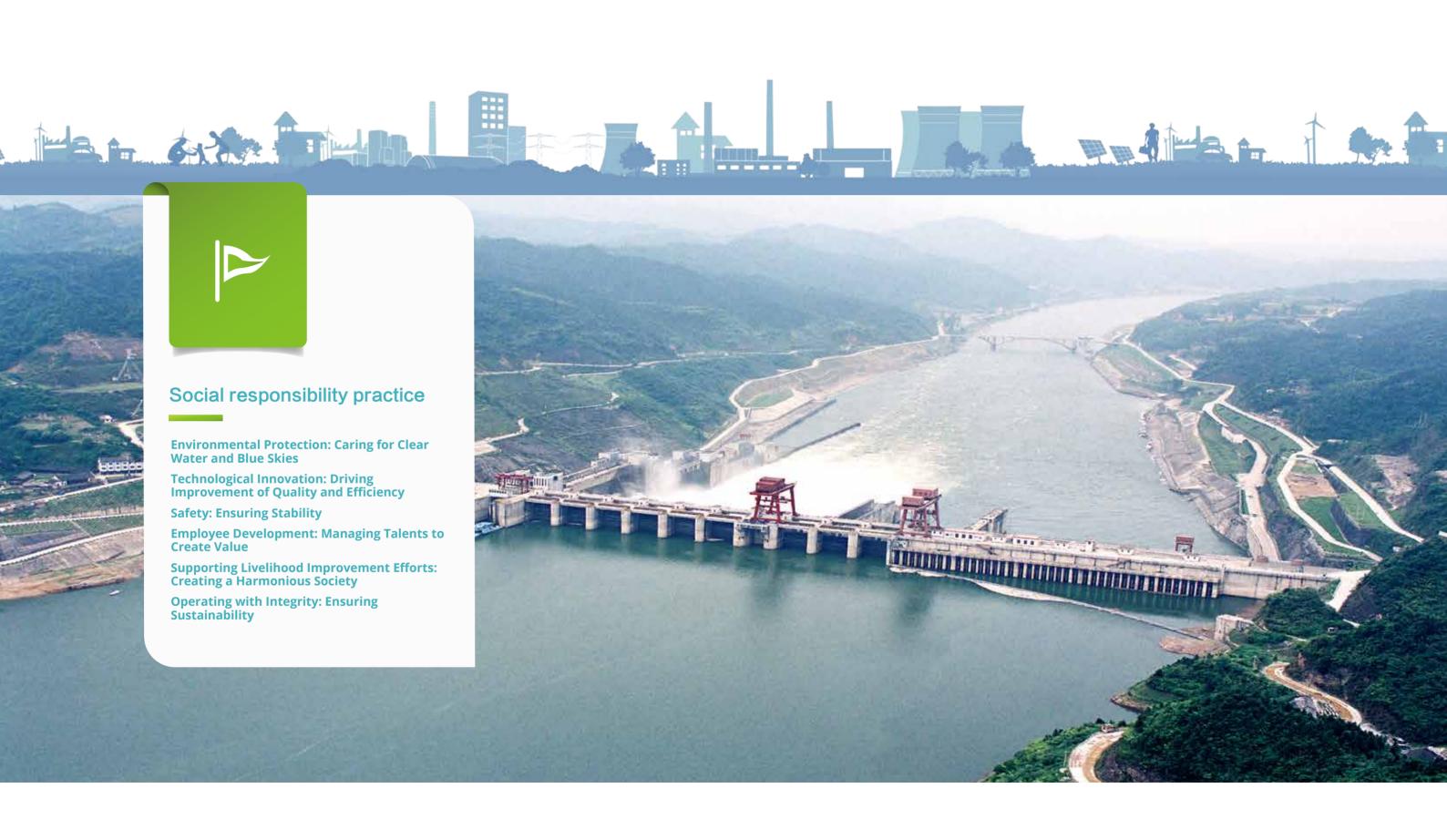
Photovoltaic + Agriculture =

- "Photovoltaic + Agriculture" can promote resource complementation and solar modules can relieve harm of ultraviolet rays to crops. Growth of crops can promote local temperature decrease, which helps increase efficiency of power generating units.
- "Photovoltaic + Agriculture" can address harm of energy engineering to the environment and help comprehensive environmental protection in planting and breeding.
- "Photovoltaic + Agriculture" can channel major factors of production such as capital, manpower and technology into rural areas, which helps optimize resource allocation and increase the income of farmers.



- "Photovoltaic + Fishery" means to mount solar panels above water surface and along fishponds without occupying land used for agricultural, industrial and residential purposes, thus saving land resources.
- "Photovoltaic + Fishery" means that solar panels can provide shelter from the sun for fish farming so that clean energy is developed above water while quality fish, shrimps and crabs are grown.

China Power actively explores in the "PV +" model, combines agriculture and fishery with photovoltaic power generation, improves the land utilization efficiency, and makes efficient use of resources. In 2016, Qinghe power station was successfully developed by utilizing the ash yard, Xintai photovoltaic power projects in Shandong Province was successfully developed, and Jiaoganghu power station has commenced commercial operation, making a good beginning in exploring the land utilization, "Photovoltaic + Agriculture" and "Photovoltaic + Fishery" field.



Corporate Social Responsibility Report 2016 Provide green energy for clean development

Environmental Protection: Caring for Clear Water and Blue Skies

The environment is the foundation of human beings' survival and protecting the environment is an inevitable choice for China to achieve economic and social sustainability. As a responsible enterprise, China Power has the vision of "giving light and power to the world and leaving clear water and blue sky to future generations", strives to improve resource management and enhance energy-saving technical retrofit for more effective use of coal and water resources, and applies environmental technologies to minimize pollutant emissions. The company integrate green concept into every step of production and operation and advocate green and low-carbon ways of production, living and consumption, aiming to become a resource-saving and environment-friendly enterprise.

	Ultra-low emission upgrading of power generating units completed	Average coal consumption rate	Coal consumption rate down by	equivalent to coal saved
Key Figures	13 _{units}	304.93 _{g/kWh}	2.15 g/kWh	90,000 tons

CSR Practice: Promoting Ultra-low Emissions of Coal-fired Units

The "13th Five-Year" Plan elevated the development of clean, low-carbon, safe and efficient modern energy technologies to a new height and imposed stricter environmental requirements on the coal-fired power industry. In 2016, China officially acceded to the Paris Agreement and made solemn commitment on coping with climate change. Against the backdrop of intensified efforts in air pollution improvement and environmental regulation, China Power took actions to address the climate change and promote the ultra-low emission upgrading of coal-fired units, making due contributions to the global response to climate change.



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Opportunities and Challenges

- Emissions of coal-fired power generating units are widely criticized and actively coping with climate change and promoting clean development of coal have become the inevitable choice of power enterprises.
- As China has acceded to the Paris Agreement and the Action Plan on Upgrading and Renovation of Coal-fired Units to Achieve Energy Saving and Emission Reduction (2014-2020) and the Action Plan on Air Pollution Prevention and Control have been formulated, new requirements have been imposed on enterprises about performing their environmental responsibility.



Our Actions

- Comprehensively promoting ultra-low emission upgrading of coal-fired units, reducing emissions of pollutants and greenhouse gases per unit power
- Improving efficiency of power generating units, reducing the fossil energy consumption per unit power generation and the air pollution caused by coal utilization, and increasing the capacity of power plants for environmental protection to enhance environmental sustainability.



Promoting ultra-low emission upgrading



CP Shentou Power Plant launched ultra-low emission upgrading of two sets of 600MW generating units. Upon completion, all the emission indicators met the emission limit requirement for gas turbine generating units.

99.45%

were lower than 30

mg per normal

were lower than

5 mg per normal reached over 86%

lower than

50 mg per normal cubic meter



Wuhu Power Plant started the ultra-low emission upgrading of generating unit No.2 in September 2016 and completed the work in December 2016. Emission concentration of all air pollutants reached the standards for gas turbine generating units.

Which means that, under the condition of 6%

was not higher 10mg/m^3

of sulphur dioxide was 35mg/m^3

of nitrogen oxide was not 50mg/m^3

Yaomeng Power Plant conducted ultra-low emission upgrading over the 5 sets of coal-fired power generating units in active service and adopted the desulphurization-dedusting integrated collaborative treatment technology and the denitration and capacity expansion upgrading plan. A total of RMB124 million was invested in the upgrading of generating unit No.5 and No.6 and a total of RMB 165 million invested in generating unit No.2, No.3 and No.4. The upgrading lowered the emission of flue gas pollutant and was significantly important for ensuring economy of the generating unit operation and sustainability of regional society and environment.











Coping with Climate Change

In 2016, China officially acceded to the Paris Agreement and made solemn commitment on coping with climate change. The Chinese government also unveiled the "13th Five-Year" Plan on energy and power development, setting targets for clean development.

As a power enterprise, China Power sees active response to climate change as its responsibility and obligation. According to related policies and regulatory requirements, the Company has identified the actions and strategic support for addressing climate change and are committed to building a clean and low-carbon integrated energy service provider, making due contributions to the global response to climate change.

Goal

 Building a clean and low-carbon integrated energy service provider, making due contributions to the global response to climate change.

Basis

- Policy guidance: The commitment made by the Chinese government when acceding to the Paris Agreement; the "13th Five-Year" Plan on energy and power and other policies.
- Regulatory standard: Action Plan on Air Pollution Prevention and Control, Action Plan on Upgrading and Renovation of Coal-fired Units to Achieve Energy Saving and Emission Reduction (2014-2020) and other environmental regulatory standards released by the central and local governments.

Goal, basis, actions and strategic support on addressing climate change

Actions

- Developing clean energy: Maintaining the leading advantage in hydropower, promoting development of quality wind power and photovoltaic power projects, controlling the development ofnew coal-fired units and continuing to increase the proportion of clean energy.
- Making all existing coal-fired units clean: Carrying out ultra-low emission upgrading of all coal-fired units and reducing pollutant and greenhouse gas emissions per unit power generation; improving efficiency of power generating units and lowering fossil energy consumption per unit power generation.
- Promoting technological innovation: Spending more on R&D to achieve breakthroughs in clean energy and low-carbon emission technologies.

Strategic support

•Accelerating the implementation of the transformation strategy to become a multinational enterprise offering clean, integrated, and smart services. Speeding up the development of clean energy, reducing dependence on traditional energy and making the shift from high carbon to low carbon are an integral part of the transformation strategy. The Company's strategy supports various actions against climate change.

Reducing pollutant emissions

In line with China's environmental policies, standards, laws and regulations, China Power applied desulphurization, denitration and dedusting technologies, conducted ultra-low emission upgrading for the third time, improved comprehensive utilization of slag and fly ash and promoted utilization of wastewater as resource, striving to contribute to environmental improvement.

Reducing exhaust gas

Climate change is one of the severe challenges that the world faces today and addressing it requires the concerted efforts of all. As an energy enterprise, China Power strictly complies with related laws and regulations such as Standard on Air Pollutant Emissions of Coal-fired Power Plants and Ambient Air Quality Standard and the requirement of Action Plan on Upgrading and Renovation of Coal-fired Units to Achieve Energy Saving and Emission Reduction (2014-2020). The Company has made great efforts in installing dedusting, desulphurization and denitration facilities, purchasing coal with low pollutant content and developing cutting-edge green technologies to effectively control air pollutant emissions.

Nature and type of discharge	Unit	2016	2015	Decrease	Change
Density of nitrogen oxide discharge	g/kWh	0.185	0.212	0.027	-12.74%
Total discharge of nitrogen oxide	'000 tons	8.158	9.451	1.293	-13.68%
Density of flue gas and dusts discharge	g/kWh	0.035	0.050	0.015	-30.00%
Total discharge of flue gas and dusts	'000 tons	1.538	2.217	0.679	-30.63%
Density of sulphur dioxide discharge	g/kWh	0.150	0.198	0.048	-24.24%
Total discharge of sulphur dioxide	'000 tons	6.583	8.864	2.281	-25.73%
Density of carbon dioxide discharge	g/kWh	802	808	6	-0.74%
Total discharge of carbon dioxide	'000 tons	35,783	36,064	281	-0.78%

The figures for an associate of the Group are excluded and the comparative figures have been restated to reflect such change.

- Launching the third upgrade for ultra-low emissions. In 2016, the Company completed ultra-low emission upgrading of 13 generating units and achieved up-to-standard emissions.
- Environmental renovation of all power plants was highly recognized. Ultra-low emission upgrading of generating unit No.1 in CP Shentou Power Plant was completed and passed environmental protection acceptance, winning electricity sales reward for ultra-low emissions of Shanxi Province. Generating units No.5 and No.6 of Pingwei Power Plant III were awarded a green electricity tariff for desulphurization, denitration and dedusting performance. Fuxi Power Plant received a 50% discount on the flue gas and dust discharge fee in the first quarter of 2016.

 Rationally planning for production area, planting trees and lawns, arranging sprinkler to sprinkle water in the plant area

 Building dry sheds in coal yard and installing spraying and dust-proof net for de-dusting, so

as to improve the environment of field operatio

on time and on demand.

- Spending more on technological renovation and promoting upgrading for desulphurization, denitration and capacity expansion, electrostatic precipitator high-frequency power source upgrading, and flue gas by-pass cancellation.
- Conducting feasibility study on changing liquid ammonia to urea as denitration reducer and further reducing safety and environmental risks. Dabieshan, Wuhu and Fuxi Power Plants already started with pre-upgrading preparations.
 - Wuhu Power Plant installed wet electrostatic precipitators in the ultra-low emission upgrading to further reduce emission of smoke and dusts and installed pipe GGH to eliminate visual pollution of white plume.

Reducing exhaust gas emissions

Environmentally sound production

Information disclosure

 Disclosing emission information on such pollutants as sulphur dioxide, nitrogen oxides and flue gas and dusts in business places, clearly indicating environmental standards and proactively accepting public supervision.













Planting trees to build a green screen

In order to effectively curb dust generating at ash yard and prevent air pollution, in 2016, Yaomeng Power Plant organized over 700 employees to plant 60,000 alkali-resistance quality fast-growing willows at Chengzhaigou ash yard for three consecutive days, expanding the landscaping area by around 200,000 square meters. It also installed dust spraying system and conducted 24-hour monitor over the entire ash yard to reduce dust pollution of the yard.



Reducing waste

Strictly in line with the Pollution Standards for General Industrial Solid Waste Storage and Disposal Sites, China Power has established sound deslagging and dedusting systems to reduce waste discharge by following the principle of slag-dust separation, thick-thin separation, dry discharge of slag and dry discharge of dry dusts. The Company has fully used slag and fly ash and introduced methods and set annual targets on the comprehensive utilization of slag and fly ash, thus turning waste into treasure throughrecycling.

Nature and type of discharge	Unit	2016	2015	Decrease	Change
Density of hazardous waste discharge	g/kWh	0	0	-	_
Total hazardous waste discharge	'000 tons	0	0	_	_
Density of non-hazardous wastes discharge	g/kWh	24.8	30.6	5.8	-18.95%
Total non-hazardous waste discharge	'000 tons	1,108	1,879	771	-41.03%

Reducing wastewater

The coal-fired power plants of China Power discharge wastewater in strict compliance with national standards, including Integrated Wastewater Discharge Standard and Water Quality Index for Wet Flue Gas Desulphurization of Coal-fired Power Plants, and actively implement the Action Plan on Prevention and Control of Water Pollution. In 2016, the Company investigated the utilization of water resources, in-depth disposal of desulphurization wastewater (zero wastewater discharge) and recycled water disposal by high concentration ratio in all power plants and formulated the technical roadmap of "one policy for one plant" to enhance the wastewater treatment, so as to ensure discharge up to standard and maximize the recycling and reuse of wastewater.

Nature and type of discharge	Unit	2016	2015	Decrease	Change
Total discharge of industrial wastewater	'000 tons	1,843.2	3,251.6	1,408.4	-43.31%

The figures for an associate of the Group are excluded and the comparative figures have been restated to reflect such change.

Energy saving

To cope with climate Change, China Power considerably reduces consumption of coal resources, keeps improving the power structure, increases the proportion of large-capacity and high-parameter coal-fired units, carries out environmentally sound and energy-conserving upgrading of coal-fired units, enhances coal procurement management and improves comprehensive utilization efficiency of coal resources. The Company also works to save and recycle water resources and further promote green office for low-carbon and green development.

Using Coal Effectively

China Power takes a wide range of measures such as optimization of power structure, energy conservation management, coal procurement management and development of clean energy to reduce coal consumption of power supply and air pollution.

Indicator	2016	2015	Decrease	Change
Coal consumption rate (g/kWh)	304.93	307.08	2.15	-0.70%
 Increasing the proportion of coal-fired power generating units of 600MW and above Phasing out units of 300 MW and below with large coal consumption 	Optimizing power structure	Enhancing management of energy conservation	environme energy-sav planned wa coal-fired p units • Enhancing increasing coal fed int	at comprehensive ntal-friendly and ing upgrading in a ay for common sower generating fuel management, calorific value of o plant and ducing fuel loss
	Conserving of	oal resourc	e	
 Enhancing management of coal procurement, purchasing quality coal with high heat generation and low sulphur content, improving utilization efficiency of coal 	Improving management of coal procurement	Generating power with clean energy	with clean increasing	power generation energy and the proportion of erated with clean

O



Water Resource Saving

Corporate Social Responsibility Report 2016

In active response to national requirement on energy conservation and consumption reduction, China Power conducts researches on water-saving technologies and promotes the saving and recycling of water resources during the process of coal-fired power generation and hydropower generation.

Indicator	Unit	2016	2015	Change
Total water use	Million tons	64.36	59.89	7.46%
Unit water consumption	g/kWh	1,443	1,341	7.61%

In 2016, as the ultra-low emission upgrading of 13 power generating units caused the relative share of water use by the utility system to increase and water use in follow-up experiments increased, water consumption of the year rose accordingly.



Adopting sewage disposal technology with moving water to reduce water consumption



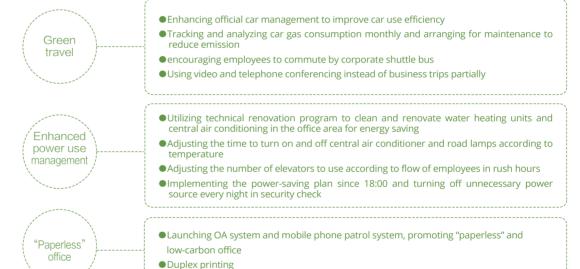
Wuqiangxi Power Plant developed the sewage disposal technology with moving water and used specially made grid cleaning rake to de-slag the trash rack of water inlet of power generating units, which thoroughly addressed the problem of increased pressure difference in the trash rack of water inlet and consequent low water utilization efficiency that bothered the plant for years, reduced consumption of energy and water and saved energy. The "grid cleaning rake used in trash rack" in the project was authorized with utility patent upon application.

Other Resources saving

China Power seeks to hold video conferences on a regular basis to improve work efficiency and meanwhile promote energy saving and emission reduction. The Company has launched water saving renovation in office areas, deepened power use management and raised the awareness of employees about energy saving and environmental protection.

Green office effectiveness for the Company's office building in Beijing

Indicator	Unit	2016	2015	Change
Total paper used	tons	5.76	3.84	50%
Total power consumption	kWh	821,581	817,677	0.48%
Video conferencing	times	132	103	28.16%



Developing clean energy

Global climate change, environmental pollution and energy crisis present power enterprises both challenges and opportunities. China Power has reserved large-capacity and high-parameter coal-fired power projects, promoted the development of hydropower and innovative smart energy, and developed photovoltaic and wind power projects for low-carbon and clean development.

Developing clean coal-fired power

China Power controls the development of new coal-fired units and develops large-capacity and high-parameter coal-fired units. More investment has been made to promote ultra-low emission upgrading of coal-fired units in all power plants by installing denitration and desulphurization facilities.

2 Corporate Social Responsibility Report 2016
Provide green energy for clean development

The Company has substantially enhanced maintenance and operation of environmental facilities to ensure pollutant discharge up to standard and avoid environmental incident.

In 2016 coal-fired power generation units



The discharge of air pollutants were effectively controlled.

Developing hydropower in a sustainable way

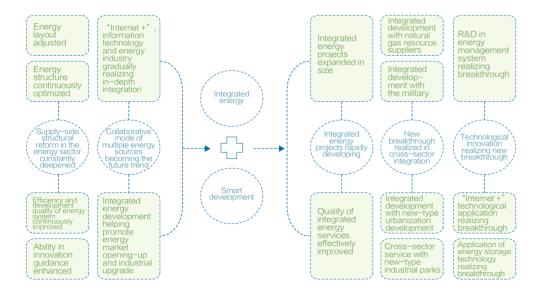
Under the precondition of "benefit first and risk controllable", the Company steadily promote the development of large-sized hydropower projects. In 2016, the 500 MW hydropower expansion project of Wuqiangxi Power Plant was approved,.

Developing integrated energy services

Following the trend of energy Internet, the Company has gathered speed in carrying out demonstration projects on the integration of multiple energy sources and seek to provide the public with integrated energy services in an open, flexible and smart way. In 2016, China Power developed integrated energy projects in Guangdong, Guangxi, Sichuan and Anhui and established seven power sale and distribution companies or integrated energy services. The distributed gas turbine project for Hefei airport in Anhui was included into China's first batch of multi-energy source integration demonstration projects.

In 2016, the Company set up a jointed research center together with Tsinghua University and established a working group with Tsinghua University, Huawei and State Nuclear Electric Power Planning Design & Research Institute for the research and development of integrated energy management system and the research, development and application of core energy Internet technology.

Rationale for promoting smart, integrated energy development





Promoting integrated energy project in Hefei Airport Economic Demonstration Zone

China Power conducted a survey on regional energy use demand in depth and developed a distributed gas turbine project in Hefei Airport Economic Demonstration Zone with great energy use potential in Anhui. It made full use of its advantage in development, operation and management of gas turbine projects, enhanced technical innovation and integrated such technologies as heat pump, energy storage, big data and Internet, realizing organic integration and smart operation of supply of six energy types including wind, light, gas, coldness, heat and power. This ensured connectivity and complementation of electricity and heat and effectively promoted efficient and clean utilization of energy. In 2016, the Hefei Airport Economic Demonstration Zone project entered the stage of public notification for the country's first batch of multi-energy complementary and integrated optimization demonstration projects.

Developing clean energy projects

China Power greatly promotes development of new energy projects and continuously increases the proportion of clean energy such as photovoltaic and wind power, dedicated to reducing greenhouse gas emissions and coping with global climate change with further diversified, cleaner and environment-friendlier methods. In 2016, power generation with clean energy was 18,798,569 MWh, equivalent to 15,076,452 tons of carbon dioxide emissions being reduced.



Photovoltaic

- Advancing development of photovoltaic projects, with the CP Datong 100 MW Top Runner photovoltaic project put into commercial operation.
- Innovating in "Photovoltaic + Agriculture" and "Photovoltaic + Fishery" business model. In 2016, Qinghe power station and Xintai photovoltaic power projects in in Shandong Province were successfully developed, Jiaoganghu power station has commenced commercial operation.



Wind power

- Optimizing the wind power layout. In 2016, wind power projects including Xinjiang Toksun Phase II and Hunan Jiangyong Shangjiangwei were approved.
- Actively developing offshore wind power resource in Shandong and other areas.











Corporate Social Responsibility Report 2016

Provide green energy for clean development











Case Promoting building of ash yard photovoltaic power station

Shuocheng District photovoltain power station



CP Shentou Power Plant utilized a discarded ash yard to build Shuocheng District photovoltaic power station with 50 MW capacity for phase one and a total capacity of 110 MW. The power station was also the first ash yard photovoltaic power project to be put into operation of SPIC. Upon completion, over 1,600 mu of ash yard would be turned into a green energy bank of Shuozhou City, Shanxi Province, playing a significant role for regional eco-environmental construction and economic sustainability.

Protecting Ecological Environment

In line with national policies and environmental standards, the Company adheres to simultaneous design, construction and operation of environmental protection facilities and the project main body in the process of project construction. The Company works to protect local environment and plant and animal habitats and help to maintain local bio-diversity. The Company also organizes environmental activities to increase environmental awareness of the public.



Floating trash treatment at reservoir

Before the trash treatment



After the trash treatment



Under the impact of flood season, a large amount of floating trash such as leaves, plastics and animal carcass piled up in front of water inlet of power generating units and trash rack in Wuqiangxi Power Plant, posing negative influence over the water environment. The Power Plant removed, transported to the outside and conducted harmless treatment over the trash in time, ensuring the beautiful eco-environment of the reservoir.

Case

Protecting biodiversity

In 2016, Wuling Power Plant set up a fish reproduction station and conducted fish reproduction and releasing activities in the efforts to supplement and recover the rare fish resource in the water area in the operation area and reduce influence of its own operation on biotic population.





Fish reproduction station

Fish reproduction and releasing

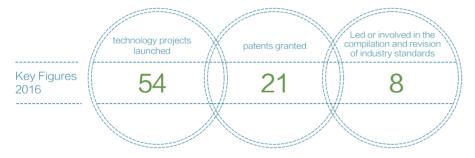


Yaomeng Power Plant organizing the "Green Trip in Spring" activity



Technological Innovation: Driving Improvement of Quality and Efficiency

Technological innovation is the primary driving force behind development. In 2016, SPIC put forward the target of "corner overtaking". To reach the target, it is imperative to give play to the role of technological innovation. As the core subsidiary of SPIC, China Power responded actively to the opportunities and challenges brought by the new round of technological reform, improved the technological innovation system and advanced the application of information technology, laying a solid foundation for the improvement of development quality and efficiency.



CSR Practice: Building Digitalized Power Plants for Smart Development

As modern coal-fired power generating units are increasingly complex, traditional management system can no longer meet the units' requirements for optimized operation and optimized overhaul. As mobile Internet, cloud computing, big data and Internet of things develop prosperously, building digitalized power plants has become the inevitable choice and direction of future development of power plants.

 Digitalized power plants utilize Internet and Internet of things to digitalize all information on power plants, realize digitalized information exchange and cross-platform real-time resource sharing promptly, roundly and precisely through network, and fully applied in production and management. It's an important sign of modernized power plants.

- ? What is digitalized power plant?
- Digitalized power plants build complete information-based treatment system and can effectively enhance operation management over the power plants.
- Digitalized power plants can help improve production efficiency, reduce energy consumption and promote optimized allocation of power resource.

China Power greatly promoted building of CP Pu'an digitalized power plant demonstration project. On the basis of widely adopting modern digital information processing and communicating technologies such as Internet of things, cloud computing and big data analysis, it integrated such technologies as smart sensing and execution and smart control and management decision-making and introduced advanced management ideas, realizing digitalized information collection, network-based information transmission, software-based data analysis, optimized operation control and scientific decision-making.

Completely adopting three-dimension design (three-dimension modeling)

Widely using bus technology (site bus)

Building a unified information platform (cloud computing)

Accurately measuring Internet of things perception (Internet of things)

Mining data value in depth (big data analysis)

Comprehensively promoting mobile application (mobile)

4 essential restrictions of CP Pu'an Power Plant

6 essential

features

of CP Pu'an

Power Plant

Intensive Unified Inte

Integrated

Shared

- 10 main functions of CP Pu'an Power Plant
- 3-dimension design and digitalized handover of the entire plant
- Analog simulation and training for operation overhaul with 3-dimension display
- Equipment and overhaul management with 3-dimension display
- Integrated DCS with complete APS functions
- Smart fuel management based on digitalized coal storage and information control across the entire process of mining and preparation
- Operation behavior safety management based on multi-dimension information integration
- Point patrol and defect management based on site wireless Wi-Fi and equipment QR code
- Logistics management based on ERP and Internet of things integration
- Optimized smart decision-making for energy consumption management, overhaul planning and power market analysis based on real-time data
- Mobile application of main management procedures of the entire plant

















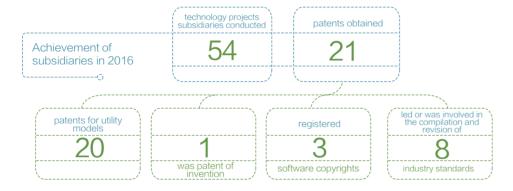




In 2016, CP Pu'an Digitalized Power Plant completed the general plan, basically realized full coverage of ERP system application, established the access control system enabling face recognition and realized transformation in management mode and production methods of the power plant.

Increasing Capacity for Technological Innovation

China Power continuously improves its technological innovation system, greatly promotes cutting-edge technological innovation as well as technological cooperation and exchanges, fosters an innovation atmosphere and accelerates application of technological achievements, striving to play a principal role in technological innovation.



Improving the technological innovation system

- Finishing the compilation of the "13th Five-Year" Plan on Technological Development of China Power.
- Compiling key points of technology work and making plans on key work points and task breakdown.
- Perfecting the Administration System for Technology Work and the Incentive System for Technological Advance in combination with the power list

Accelerating cutting-edge technology innovation

- Relying on China Power Technology Innovation Center to perfect the R&D mechanism for technology projects and accelerating cutting-edge technology innovation. In 2016, China Power Technology Center was recognized as high-tech enterprise by the government.
- Pressing ahead with research on ultra-low emission upgrading and launching research on CO² dynamic circulation technology for solar photovoltaic and thermal power generation, shaft vibration of ALSTOM turbine generating units and comprehensive efficiency improvement technical roadmap for 600MW sub-critical power generating units of Pingwei project Phase I.

Enhancing technological exchange and cooperation

- Conducting strategic cooperation with Tsinghua University and Huawei to set up the Integrated Energy Management Joint Research Center between China Power and Tsinghua University Electric Engine Department.
- Cooperating with multiple research institutes such as Chinese Academy of Sciences, Southeast University and Sichuan University for technology projects.
- Cooperating with US-based CEFCO Company for CP Shentou start-up boiler CEFCO technological upgrading, exploring a new technical roadmap for environmental protection and emission reduction.
- Organizing technical exchange seminars on digitalized power plants, technical seminars on smart photovoltaic power generating technology and introduction meeting on Ebsilon thermodynamic system software to comprehensively promote technical exchanges.

Creating the atmosphere of technological innovation

- Launching selection for the "First Technology Advance Award of China Power" and organizing its subsidiaries to apply for Technology Advance Award of SPIC and Chinese Power Technology Award of Chinese Society of Electrical Engineering, so as to improve the initiative of employees in participating in innovation.
- Actively conducting mass technology activities and organizing employees to write technology essays and participate in paper collection for the annual meeting of Chinese Society of Electrical Engineering and the annual meeting of Fuel Power Generating Equipment Operation, Maintenance and Overhaul Committee, so as to encourage the employees to improve scientific research ability.



Pooling resources to promote technological innovation

Under the background that users had increasingly higher demand for energy quality, competition among energy companies was further intensified and the supply-side reform over energy enterprises was deepened, China Power actively deepened the industrial-university-research cooperation mechanism and fully integrated and utilized social technology resources. It joint hands with Tsinghua University to set up the Integrated Energy Management Joint Research Center and signed the Cooperation Agreement to conduct research on IEMS and explore integrated energy management and operation control of multiple energy forms such as power, heat, coldness, gas, water, industrial products and electrified traffic. By doing so, it ensured safe and effective operation of the energy management system, helped users realize optimal economic benefit and effectively improved energy performance and energy efficiency.



Advancing the Application of Information Technology

China Power keeps promoting the application of ERP system, extending it to capital construction and fuel management, builds data center and big data platforms, boosts information security, and carries out IT projects to ensure process-based and scientific management.

Building capital construction ERP system

- Popularizing overall application of the ERP system first in capital construction and production units to comprehensively improve capital construction management and enhance informatization.
- Main function modules of CP Pu'an Power Plant were all implemented; capital construction units such as Dabieshan phase two, China Power Chengdu, China Power Shangqiu, China Power Yizhou and China Power Jiangmen all popularized ERP system building during start-up of capital construction projects.

Popularizing integrated ERP fuel management system

- Through connection between ERP financial management module and capital settlement platform, realizing the financial integration for fuel business from procurement to payment and from consumption to cost accounting.
- In 2016, the integrated ERP fuel management system was launched for trial use in all the coal-fired power plant subsidiaries of China Power and fuel cost was included into delicacy management.

Promoting building of data center

- Adopting the cloud platform technology to provide necessary condition and support for application of big data on production and promote key infrastructure projects of informatization improvement and transformation.
- Steadily promoting building of Suzhou Data Center and completing infrastructure construction work of the data center.

Carrying out IT projects

- Launching building of business integration platform and work supervision system and development of optimization and perfection consultation project for human resource system to gradually improve abilities in control and support.
- Subsidiaries developed IT-based systems in line with their own realities to support the need of business and management and provide support for the core system.

Enhancing information security management

- Promoting development of information security pilot program. Taking Yaomeng Power Plant as pilot program to fulfill the design task for security
 plans on power monitor system.
- Ensuring information security during special periods of time. Organizing subsidiaries to conduct self-inspection on information security and cleaning-up of Internet information to ensure information security during the Two Sessions and G20 Summit in Hangzhou.
- Improving efficiency and quality of operation and maintenance. Regularly holding ERP system operation and maintenance meetings to supervise subsidiaries' performance in standard ERP maintenance.









Safety: Ensuring Stability

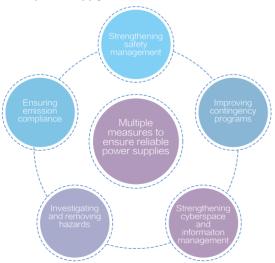
Safety is the cornerstone of sustainability. China Power adheres to the safety philosophy that "no risks are uncontrollable, no breaches are unpreventable and no accidents are unavoidable" and the safety production directives of "safety as priority, prevention rather than cure, and comprehensive management", adopts a comprehensive approach that puts safety above all other priorities with preventive measures at its core. In order to become an inherently safe company, it makes continued efforts to improve its safety management mechanism, raise employees' safety awareness and related skills and strengthen emergency response capacity. In 2016, no significant workplace incidents involving employees, equipment or environment occurred.



CSR Practice: Securing Power Supply for G20 Summit

On September 4-5, 2016, the eleventh meeting of the Group of Twenty (G20) was held in Hangzhou, Zhejiang, which is China's first G20 Summit and also the highest-level and most influential homefield international event for China in recent years.

In the period of the summit, China Power regarded safe and reliable power supply to the G20 Summit Summit as top priority and strictly followed the safety policy of the company and developed a power supply security program beforehand to ensure reliable power supply. In the meanwhile, China Power continued to improve its security and emergency response systems, developed contingency plans and strengthened inspection to ensure the venues of the Summit got sufficient and reliable power supply.



Major measures adopted by China Power to ensure reliability in power supply to the G20 Summit



China Power adopted multiple measures to secure power supply for the G20 Summit

Pingwei Power Plant set up a power supply security team and an environmental protection team specifically for the G20 Hangzhou Summit, developed 2016 G20 Summit Power Supply Program and Pingwei Power Plant's G20 Summit Air Quality Assurance Program, requiring relevant departments to break down responsibilities clearly and to ensure stable operation of all power generator units at the power plant and compliance with environmental protection standards. In the meanwhile, it also tightened safety responsibility management, shift management, hazard investigation and equipment management, improved its contingency program, strengthened cyberspace and information security control, fuel supply security, factory security, public opinion control, flood control and other efforts to ensure the G20 Summit was successfully held.



In the reporting period. Wuhu Power Plant set up an environmental protection leading team led by General Manager to strictly implement the production responsibility policy. Each shift was led by a senior leader. The plant also adjusted maintenance personnel and increased the number of inspections to ensure timely removal of safety hazards and adoption of effective preventive measures. It built up its emergency response capacity, strengthened emergency response training and drills, tightened cyberspace and information security control, fuel supply security, factory security, public opinion control and flood control, etc. to ensure the reliability in power supply in the



Strengthening Safety Management

The Company makes continued efforts to standardize safety management, investigate and remove hazards, strengthen compliance management, improve the work safety, health and environmental protection system, step up project management, perform workplace safety review, as part of its effort to lay a solid foundation for ensuring reliable power supply and sustainable development of the Company.

In 2016, every in-progress project of the Company had an effective safety management in place. CP Pu'an Project was named "Digitalized Power Plant Demonstration Project" by State Power Investment Corporation. Pingwei Project Phase III won National High-quality Power Supply Project Award and China Installation Star Award.

Improving Health Safety and Environment management system

- Developing Program for the Improvement of China Power's Health, Safety and Environment Management System and breaking down responsibilities to department, team and position levels to improve
- Wuhu Power Plant was designated as the pilot unit of the HSE improvement program. It played a key role in driving the improvement of the HSE management system

Standardizing safety and quality management

 Developing Visitor Management Policy, Manager Inspection Policy, Quality Inspection and Management Policy, Carbon Emission Reduction and Carbon Asset Management Policy (Trial), and Environmental Protection Assessment and Management Policy, amended 33 policies (including Safety-related Reward and Punishment Policy), to standardize safety and quality management of the Company.

Ensuring reliable operation of equipment

- Developing Special Equipment Management Policy, Level A Unit Maintenance and Preparation Policy, Maintenance Management Policy and other
- Strengthening Level A/B/C maintenance and hazard detection of generating units to improve reliability in power supply. In 2016, the Company completed 11 Level A maintenances, 8 Level B maintenances, 45 Level C maintenances, and successfully dealt with the challenges in the drought periods and the peak demand periods during the summer/winter seasons











Carrying out comprehensive hazard inspection

- Inspecting the safety management of construction projects and low emission projects, reporting the safety problems and urging them to rectify problems, punishing relevant units in accordance with regulations and timely giving feedback, and achieving closed-loop management.
- Inspecting oversea projects (or subsidiaries) and preparing safety inspection reports, specifying existing problems and rectification requirements.
- Carrying out large-scale safety inspection in the spring and autumn, removing hazards, strengthening compliance management and especially closed-loop management of significant hazards.

Carrying out safety management review

- Developing Safety Management Review Standards and reviewing 53 policies, including environmental protection, operation and construction management policies.
- Setting up expert teams to review CP Shentou, Yaomeng, Pingwei, Wuhu, Dabieshan, Fuxi and Pu'an units.

Case

Implementing the "Five Innovations" Program to improve safety management

In 2016, Wuhu Power Plant carried out Level A maintenance of Unit No.2, including 1,046 maintenance projects and nine ultra-low emission reduction projects. In order to ensure the safety and controllability of the maintenance and transformation process, Wuhu Power Plant developed the "Five Innovations" Program to improve safety management and raise efficiency:



"Five Innovations"

Access control system: first line of defense

Installing an additional access control system at sites of ultra-low emission transformation projects, to prevent non-operating personnel and visitors from entering the sites for safety purpose.

HD surveillance cameras: nsuring 24/7 security

Installing 30 HD surveillance cameras at sites of ultra-low emission transformation projects to ensure 24/7 security and serve as an effective deterrent.

WeChat Group: information sharing

non-compliance.

Setting up a WeChat security management group to share inspection information, co conference documents, of information of management be systems, crisecurity-related promotional materials and other information, to announce, correct and deter

Star of the Week: integrating safety nanagement into the incentive system

Adding HSE management, in addition to skill competition, to the indicators of the Star of the Week competition, promoting best practices, criticizing those violating safety regulations, and encouraging employees s to follow safety rules.

Night patrol system: ensuring 24/7 security in all areas

Monitoring the sites of

Level A maintenance projects and making sure every individual fulfills his/her security obligations related to the supervision of outsourced projects; requesting employees to apply for overtime at night and punishing those failing to follow the application rule; establishing a night shift system to ensure 24/7 security in all areas.

Raising Awareness about Workplace Safety and Improving Employees' Safety Skills

China Power attaches great importance to raising awareness about workplace safety and constantly improves the content and forms of safety training. The Company offers various forms of training programs, examinations and contests in relation to workplace to raise the safety awareness of employees and strive to build a high-quality, highly skilled team that strictly follows workplace safety rules.

Safety training

- Safety training for managers: The Company offered two safety training programs for safety managers, and 300 safety managers participated in the training.
- Safety training for team leaders: The Company offered to training programs for team leaders on the prevention
 of workplace accidents caused by human factors and 80 team leaders participated in the training.

Safety examinations

- Using the SABA system to hold safety examinations for managers and production personnel at different levels.
 In 2016, The Company arranged 7 such examinations and more than 1,500 managers and employees sat for the examinations.
- The Company held the first examination on knowledge of leaders on laws, regulations and policies and about 100 leaders sat for the examination.

Field trips

• Inviting managers to visit Haiyang Nuclear Power Plant to learn safety and health management practice.

Safety campaign

 Promoting safe workplace practices via multimedia, television and posters, and launching safety campaigns such as safety promotion day, safety promotion week, safe promotion month, and safety promotion gala.



Organizing a safety rules examination

In 2016, Dabieshan Power Plant organized safety rule examinations for employees responsible for issuing operation permits, site supervisors and operators, aiming to urge employees to learn and follow safety rules, raise their awareness about workplace safety and prepare for maintenance projects and the peak demand period in the winter.



Employees sitting for a safety rules examination













Wu Ling Power Plant holding a safety knowledge contest



Improving Emergency Response Management

China Power has made a continual effort to improve the emergency management mechanism and the contingency program, build up the capacity of the emergency response team through emergency drills, develop its systematic risk control capacity and minimize the impact of emergencies. In 2016, the Company carried out a power outage contingency drill at CP Shentou Power Plant and provided guidance for units on how to carry out contingency drills.

on-site emergency

In 2016, subsidiaries developed comprehensive nergency contingency plans

special contingency plans

820

578

emergency drills

employees participated in the drills



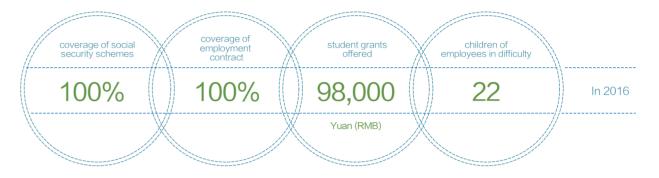
Flood preparedness and response drill



In July 2016, 50 employees from fuel transportation, fuel inspection and fuel divisions of CP Shentou Power Plant participated in a flood response drill specifically designed to prepare employees for the flooding of the tail of the No.4 belt to ensure safety in days of extreme heat. During the drill, employees responsible for fuel transportation reported the emergency to their supervisor and the drill headquarter launched the contingency program. Participants rushed to the drill site in accordance with the contingency program and completed the drill in accordance with the instruction of their supervisors. Participants worked closely together to transport materials and control the flood and successfully completed the drill. The drill raised employees' awareness about the importance of safe production and improved their emergency response skills.

Employee Development: Managing Talents to Create Value

Employees are valuable assets of a company. Believing that it is fighters that matter, China Power is committed to protecting the legitimate rights and interests of employees, providing staff with adequate personal and career development opportunities, improving working environment, enriching the life of employees and helping employees in difficulty so that both the Company and employees can achieve development.



CSR Practice: Four Employee Development Initiatives

Growth and development of employees is an inexhaustible driving force for a company. Believing that it is fighters that matter, China Power is committed to providing staff with a good development environment and launched four employee development initiatives that focus on culture, safety, innovation and employee wellness to improve employee loyalty and engagement, so that every employee has a thriving career and an enriched personal life.















Four Employee Development Initiatives



Cultural Initiative

Dabieshan Power Plant printed the stories of model workers on light boxes on the entrance roads to promote the corporate belief that it is fighters that matter.



Safety Initiative

To strengthen the development of the HSE system, flood preparedness and response, preparation for peak demand periods in the summer and other work, **Fuxi Power Plant** carried out the Safety Commitment Campaign, coal mine flood prevention, electric shock prevention, power outage contingency drills and other activities.



Innovation Initiative

Wuhu Power Plant encourages employees to be creative at workplace. In 2016, Wuhu Power Plant had three innovation studios. Ding Xiaohan Innovation Studio completed the denitrification optimization, soot blower system improvement, unit control system improvement and other technical transformation projects for Wuhu Power Plant and was named Demonstration Innovation Studio in Wuhu City.



Employee Wellness Initiative

Yaomeng Power Plant sent supplies to frontline employees working on major maintenance and technological transformation project and exposed to high temperatures to help them beat the summer heat.

Protecting Employees' Rights and Interests

China Power is committed to protecting employees' rights and interests. The Company strictly abides by the Labor Law of the People's Republic of China and takes a film hand in protecting employees' rights by improving the employee social security system, promoting democratic management, protecting employees' right to participate, express and supervise, strictly following the on-campus recruitment procedure to ensure openness and fairness of employment, eradicating child labor and forced labor, offering equal pay for equal work for both male and female employees, practicing no discrimination against race, religion, gender, color, age or disability, establishing a market-oriented and merit-based compensation mechanism to improve employees' satisfaction about their compensation and benefits. No major violation of employee rights and interests was reported in 2016. All operational units controlled by China Power complied with local labor laws and regulations and were not subject to any fines or sanctions for violations.

9,723 590
employees

accounting for 6.07%

of its entire workforce

7% 100%

all employees

security scheme

By the end of 2016



- Strictly abiding by the Labor Law, the Labor Contract Law and other relevant laws and regulations and entering labor contracts with employees in accordance with law.
- Establishing a market-oriented and merit-based compensation mechanism
- Offering equal pay for equal work for both male and female employees, practicing no discrimination
 against race, religion, gender, color, age or disability, eradicating child labor and forced labor; employees
 may report incidences of child and forced labor to the Company at any time.
- Improving the staff and workers' representative congress and the democratic corporate management system and protecting employees' right to participate, express themselves and supervise.

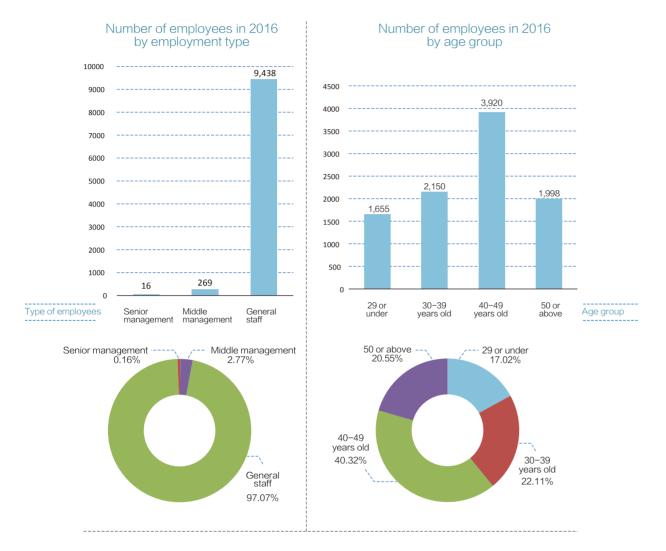


- Improving the social security system and making due social security contributions for employees (five social insurances + one housing fund) in accordance with the provisions under the Labor Law of the People's Republic of China on protecting employees' rights and interests.
- Improving enterprise annuity and supplemental health insurance systems to supplement the basic health insurance
- Improving its leave management system.

 Resolving employment disputes in accordance with law in a fair and timely manner and protecting the legitimate rights and interests of the parties to the disputes.

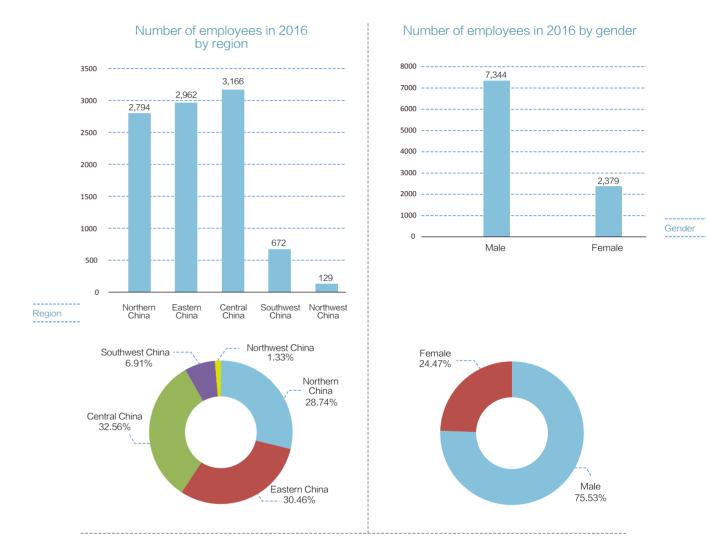


- Strictly following the on-campus recruitment process and carrying out recruitment promotion activities
 on campuses of North China Electric Power University, Huazhong University of Science & Technology,
 Hunan University and other key universities.
- Using the open recruitment platform of the State Power Investment Corporation to collect candidates' information and inviting professional institutions to design objective and fair recruitment tests.



Employee turnover in 2016 by employment type

Type of employees	Number of resigned employees (person)	Turnover (%)
Senior management	0	0
Intermediate managemen	8	2.97
General staff	582	6.17



Employee turnover in 2016 by gender

Gender	Number of resigned employees (person)	Turnover (%)
Female	256	3.49
Male	334	14.04

0

Employee turnover in 2016 by region

Region	Number of resigned employees (person)	Turnover (%)
Northern China	141	5.05
Eastern China	68	2.30
Central China	325	10.27
Southwest China	35	5.21
Northwest China	21	16.28



Promoting social security knowledge

To facilitate processes related to social security, Yaomeng Power Plant prepared and distributed pamphlets and other promotional materials to promote social security knowledge and help employees understand the social security policy.



"I now have a more comprehensive understanding of the social security policy. Older employees are very concerned about issues such as how to apply for pension benefits and medical insurance reimbursement."

----An employee of Yaomeng Power Plant

Protecting Employees' Health

work-related deaths working days lost due to work-related injuries

In 2016 O O

people day

China Power strictly abides by the Law of the People's Republic of China on Prevention and Control of Occupational Diseases and other safety and health laws and regulations. The Company make a continual effort to improve the working environment and conditions, provide safe tools and personal protective equipment that comply with safety standards to employees, organize staff health checkups on a regular basis, strengthen occupational health and safety training and education, and continuously raise employees' health awareness and improve their self-protection skills.





Fuxi Power Plant providing first aid kits for employees



Wufu Power Plant placing air purifiers and potted plants in the employees, study room



Retirees of Wufu Power Plant having a health checkup organized by the plant



China Power's Representative Office in Beijing organizing an employee wellbeing promotion in a suburban area

Supporting Employee Development

China Power attaches great importance to employees' career development and provides career ladders (i.e., a management track, a technical track and operation skills.). The Company has established a bi-directional selection mechanism of intermediate managers and executives and created an open environment that offers equal growth opportunities for all. The Company constantly improves the training system, and focuses on creating a wide range of training courses, diverse in both forms and content, to improve the technical skills and occupational competency of staff.









Employment type	Skill set to be developed	Number of training	Per capita training hours	Training coverage (%)
Senior management	Leadership skills	15	22	57
Middle management	Management skills	71	75	82
General staff	Job skills	1,018	75	85.3

[Case]

New employee orientation program



In 2016, the Company offered a new employee orientation program characterized by coordinated schedule, courses and review. The program included both large and small class lectures, and online self-learning, team development and self-exploration activities, aiming to improve employees' basic job skills. It was divided four models: Understanding the Company, Professionalism, Team Building and Themed Activities. The Company also held new employee speech contests, exchanges of book reviews, result presentation, "Write a letter to your future self" and other activities. These diverse activities help new employees under the Company better and adjust to their new roles as employee of the Company.

Case

English Skills Competition

In 2016, the Company held an English skills competition which lasted more than three months. It included English skills training, English video VCR production and other interesting activities, aiming to encourage employees to learn English, help them develop an international vision, and create an international workplace, and develop a reserve talent pool for the internalization of the Group.







Team of Pingwei Power Plan





In 2016, Dabieshan Power Plant held a coal mining skills competition which included a theoretical knowledge test and an operational skills test. The competition tested employees' raw coal quality naked eye estimation, raw coal sampling and preparation, coal testing and other skills. The competition played a positive role in standardizing coal mining management and raising relevant employees' sense of responsibility and improving their self discipline.

Caring for Employees

The Company organizes staff health checkups on a regular basis and continuously improve the working environment to protect the physical and mental health of employees; improves the employee assistance system to ensure employees in difficulty and their families get timely assistance; offers Jinqiu Student Grants to children of employees in difficulty; and organizes life-enriching activities to help employees maintain work-life balance and help them reach full potential.

caring activities	cash assistance	employees helped	student grants offered	children of employees in difficu
200	370,000	38	98,000	22
	Yuan (RMB)		Yuan (RMB)	

Case Helping employees in difficulty



Yaomeng Power Plant attaches great importance to helping employees in difficulty so that every employee feels part of the big family of China Power. In 2016, leaders of the power plant visited and talked with employees in difficulty to get information on their condition and recovery. The leaders provided assistance in cash and kind to employee in difficulty and promised to help them to the fullest extent permitted by the policy and the system.

In 2016, China Power's caring to employees in difficulties, resigned, refried and injured employees



Providing Jinqiu Student Grants to children of employees in difficulty



To help employees in difficulty pay tuition of their children, leaders of Pingwei Power Plant visited employees in poverty, personally delivered student grants to children of these employees and encouraged them to work hard and make contributions to the country and the society.

Case

Wuhu Power Plant holding a staff talent display activity



Case

Wuling Power holding a staff physical game



Supporting Livelihood Improvement Efforts: Creating a Harmonious Society

Supporting charities and livelihood improvement projects is critical to China's effort to build a harmonious society. China Power is committed to giving back to the community and attaches great importance to the wellbeing of the public. The Company steadily promotes targeted poverty alleviation, encourages employees to volunteer, participates in disaster relief effort and does its utmost to provide assistance in cash and kind to affected areas.

registered volunteers	volunteer activities	employees participated in volunteer activities	hours of volunteer services offered	donations to charities	
3,331	152	5,802	11,604	208,113	Key Figures in 2016
				Yuan (RMB)	

CSR Practice: Supporting Poverty Alleviation Efforts

China Power has utilized its advantages to support targeted alleviation and help poverty-stricken areas to build up inherent development capacity. 2016 was the second consecutive year of Wuling Power to help Yuping Village, Wugang City, Hunan, to reduce poverty. It invested RMB 6,924,900 in the development of infrastructure, specialty industries, education, etc. and helped 61 families totally 207 people out of poverty and helped Yuping Village achieve poverty alleviation goals one year ahead of schedule.

Development of infrastructure

Wuling Power has made a continual effort to improve local water, power supply, road and other infrastructure to improve the livelihood of local residents. In 2016, Wuling Power:



A road built by Wuling Power Plant for Yuping Village Reinforced two local reservoirs

Improved 6 dilapidated houses

Repaired 2.8 km canals

Built one village clinic Repaired 1.5 km agricultural roads

Built a public water supply system and carried out other nfrastructure projects

Poverty alleviation through education

Wuling Power attaches great importance to poverty alleviation through education and has made a continual effort to help students from poor families and help them improve self-help capacity. In 2016, Wuling Power:



assroom of a primary school renovate

Improved local primary school buildings

Helped students from poor families

Provided opportunities to local residents to participate in employment training programs offered by Hunan Commercial Technician Institute Provide green energy for clean development

Corporate Social Responsibility Report 2016











Poverty alleviation through development of industries

Taking into account the conditions of Yuping Village, Wuling Power has supported the development of local industries based on market needs. In 2016, Wuling Power:





Planted willows and built a solar power plant in the village Cooperated with eco-agricultural companies to develop farming an husbandry

V Station built by The povuling Power Plant local res

Reflections of Recipient villagers speech

"Thanks to the poverty alleviation team, the muddy footpath crossing the village has become a wide cement-paved. The buildings of the primary school of my granddaughter have been improved. The team has also provided goslings to villagers free of charge. A number of villagers have gotten rich by raising gooses and planting trees. It brings hope to us ..."

----a resident of Yuping Village

Supporting Local Economy

Electricity as a basic energy is essential in our life and economic development. China Power strives to adapt to the new normal of China's economic growth, align its development goals with local development plans, strengthen communication and corporation with local governments, promote the development of local industries and the optimization of industrial structure, create jobs for local residents and drive the growth of local economies.







Improving the heating project to support the construction of Wuhu Economic Development Zone



The Wuhu Economic Development Zone heat supply network project (Northern Area of Phase I) undertaken by Wuhu Power Plant is approximately 1 km in length and has a design capacity of 100 tons of steam per hour. It mainly serves industrial users in the north to Longshan. The project delivers both social and environmental benefits. It uses large-scale boilers instead of energy-intensive, highly polluting smaller ones and thus improves the quality and stability of heating. The project complies with the overall urban development plan of the city and plays a significant role in attracting investors and developing the integrated energy service zone.

Serving the Community

The Company encourages young employees to give back to the community by participating in volunteer activities, helping poor students, left-behind children and other vulnerable groups, providing volunteer service to local residents, etc.



Providing student grants to students from poor families



Since its inception, Dabieshan Power Plant has been committed to giving back to the community and helping students from poor families. In 2016, it launched a one-on-one student assistance program in four communities in surrounding area. The program raised money from managers and employees of the plant and donated RMB 30,000 to five high-performing junior school students from poor families.



Helping left-behind children



In 2016, the volunteers of Dabieshan Power Plant came to Feishadun Primary School with donated books, stationery and sports equipment, and offered an interesting class about electricity for teachers and students. Volunteers compared denitrification, desulphurization and dust removal equipment to smoke discharging sieves, introduced the significance of electricity to social development and contributions made by Dabieshan Power Plant to the development of alternative energies and the protection of the ecological environment and encouraged children to make contributions to China's power industry after growing up.

Report 2016 Provide green energy for clean development











Case Helping seriously ill children



A call initiated on the Internet for help for a student diagnosed with late lymphoma attracted wide attention. The story of the patient was reported in newspapers and Internet platforms in Huainan City. These reports called for NGOs and individuals to lend a helping hand to this 8-year-old girl. The story of this high-performing student deeply moved employees of Pingwei Power Plant employees who solicited help for the girl via QQ, WeChat, standups and other means. The Women Employees' Committee donated RMB 4,000 to the girl through the Huainan City Chapter of the American Red Cross. The power plant also released the donation account and encouraged employees to donate.

Donation certificate and a thank-you letter

Employees of Wuhu Power Plant volunteering to donate blood



Participating in Disaster Relief Efforts

The Company has actively participated in disaster relief efforts. In 2016, many provinces and cities in South China were hit by floods. The Company promptly participated in the disaster relief efforts, raised money for affected areas through various channels, and provided food, drinking water and other materials to help people in affected areas.



Assisting communities affected by a disaster

On July 8, 2016, the third day after Macheng City, Hubei Province, was hit by torrential downpours, employees of Dabieshan Power Plant raised RMB 40,000 to purchase useful supplies and delivered them to the worst affected area, Xizhangdian Village, Shunhe Town. At the same time, Dabieshan Power Plant set up 16 disaster relief teams to assist the disaster relief headquarters of cities and towns. Its help received warm welcome from the public.





Participating in disaster relief efforts

In July 2016, after Wuhu City, Anhui Province, was hit by a serious flood, Wuhu Power Plant promptly set up a disaster relief team made up by young employees to participate in emergency rescue, remove hazards and provide volunteer services. Volunteers worked around the clock to patrol on the banks of the Yangtze River and in other crucial areas and set up four patrol stations on the river bank about 1,500 meters from the power plant. At the same time, employees of the power plant donated and delivered quilts, mineral water, food and other relief supplies to the affected people.

Operating with Integrity: Ensuring Sustainability

Business integrity is the cornerstone of sustainability of a company. China Power strictly abides by national laws and regulations, continuously improves profitability and its risk internal control system, strengthens the fight against corruption, urges partners to fulfill their social responsibility, and strives to promote sustainable development of the society.

Key Figures in 2016

O

Net profit attributable to shareholders		Attended large-scale nvestment forums held ir Hong Kong, Beijing, Shanghai, etc.	Securities analysts and fund managers met	Received visits of about analysts from investment firms and fund managers	Employees participated in anti-corruption education and training	X	Supplied evaluation
2.366		9	120	50	2,196		1,664
billion Yuan (RMB)	X						

CSR Practice: Raising Legal Awareness

To ensure legal and regulatory compliance, China Power has carried out legal education activities to raise employees' legal awareness and lay a solid foundation for the sustainable development of the Company.



Major measures adopted to raise legal awareness

Case

Carrying out legal awareness raising activities

Pingwei Power Plant offering a legal knowledge training course temployees



Pingwei Power Plant offered a legal knowledge training course on the National Constitution Day and invited professors for Law School of Huainan Normal University to explain legal issues in daily life through interesting, easy to understand case studies to help employees gain a better understanding of laws and regulations and effectively raise their awareness of the rule of law.

CP Shentou Power Plant disseminating legal knowledge



CP Shentou Power Plant set up a legal literacy leading group, establish and improve training, examination, time arrangement, supervision, motivation and information sharing mechanisms to encourage leaders and managers to improve legal literacy and to ensure that legal literacy promotion activities will play a positive role in supporting the sustainable development of the Company.

Wuhu Power Plant used banner stands, pictures and other promotional materials to promote legal knowledge and invited legal advisers to give lectures and use real cases as an example to explain things one must know before sign a contract, legal knowledge concerning labor contracts and how to prevent job crimes, and organized closed-book exams and gave rewards to high-performing participants.



Wuhu Power Plant disseminating gal knowledge

Yaomeng Power Plant vigorously promoted legal knowledge closely related to business management, intellectual property rights, energy conservation, environmental protection, safety, etc., through electronic displays, banner stands and other tools to raise employees' legal awareness.



Yaomeng Powe Plar disseminatin legal knowledg

Protecting Shareholders' Interests

Sustainable development is a concept at the core of business cooperation of China Power. The Company has made a continual effort to improve its business model and core competencies, increase operational transparency, strengthen risk management and internal control and create value for shareholders.

Capital appreciation

In 2016, the Company overcame the challenges brought by the decline in electricity prices, soaring coal prices and the continual drop in utilization hours of power plants, reduced costs and improved quality and efficiency to keep business performance stable. roughly the same as December 31, 2015.



2.366

Net profit attributable to shareholders

basic earnings per share 0.32

Yuan (RMB)

re net asset value per share (excluding equit) of non-controlling shareholders)

3.71

Yuan (RMB)

In 2016

Transparent operation

China Power makes active efforts to manage investor relations and maintain full communication between the Company and investors. Board chairman, directors and senior management all take part in various activities to maintain communication with investors. At investors' meetings, the Company honestly addresses questions raised by every investor so that they can get a full picture of the Company's operations and development strategy. It briefs investors on developments in the power industry, related environmental, industry and electricity tariff policies, as well as the Company's coal-fired power, wind power, hydropower and photovoltaic power projects, electricity sales, and development strategy. Moreover, the Company listens to investors' advice. Such efforts help to foster healthy interactions between the Company and investors, improve business operation and management, and thus create greater value for shareholders.















Annual results announcement conference

Case Launching a reverse roadshow



In order to improve investors' understanding of its alternative energy development efforts, on October 18, 2016, the Company organized a reverse roadshow to invite nine entities to visit Datong and Shuocheng Distrct PV projects. It was the first time for China Power to invite industry clusters to participate in the largest reverse road show initiated by us. It effectively helped investors gain a better understanding of the Company's business transformation strategy.

Internal risk control

China Power has made a continual effort to expand the scope of supervision, strengthen comprehensive risk control, improve its compliance management mechanism, strengthen the development of an internal audit system that matches its corporate governance structure, strengthen the monitoring of related party transactions, carry out comprehensive internal control diagnosis and pave the way for sustainable development of the Company. In 2016, all significant risks were controllable and no major risk events were reported throughout the year.

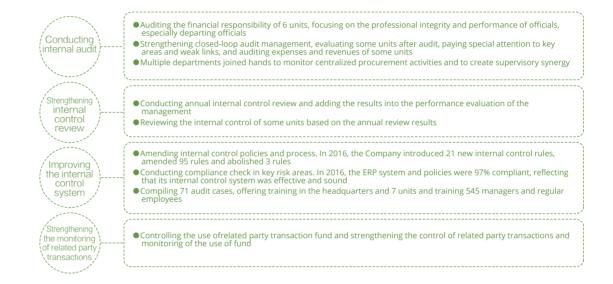
Risk control

The Company is committed to improving its comprehensive risk management system and setting the basic risk control process in motion in every stage of business management. The Company strives to create a good risk control culture and improve risk management capability in all aspects.

Improving the risk control organizational structure	 Setting up a risk control committee, clearly defining the scope of authority of the review committee, the risk control committee and the internal control department and formulating the working rules of the committee
Improving risk control policies	●Amending Risk Control Policy and Risk Review Policy
Establishing reference for the development of the risk control system	Inspecting whether its systems comply with the ERP system and internal control standards Designing the Best Internal Control System Optimization Solution, developing the risk event database and improving the internal control index and the design of risk analysis model
Preparing Foreign Exchange Risk Guidelines	 Preparing Foreign Exchange Risk Guidelines and improving its capability to control foreign exchange risks
Strengthening the management of major risks	 Tightening the control of major risks identified in the comprehensive risk assessment process, improving and ensuring the effective operation of the monitoring system, requesting relevant operational units to formulate and implement specific risk control measures

Internal control

The Company has upgraded the internal control system in accordance with the list of authority and adjusted the internal control process, to ensure the internal control system plays its due role in supporting the development of business.



Anti-Corruption

China Power has strictly followed the requirements of the Measures for the Establishment and Improvement of the System of Punishing and Preventing Corruption in 2013-2017, the Eight-point Regulation, the Waste Prevention Rules of the Party and Government Organs to other relevant regulations; improved Collective Decision-making Policy, Petition and Reporting Policy, Anti-corruption Talk Policy and other management policies; strengthened the punishment for and investigation of violations of discipline; improved the check and balance system; carried out diverse promotional and education activities to raise employees' awareness of legal and regulatory compliance and to pave the way for business transformation and the development of a positive corporate culture. In 2016, 2,196 employees participated in anti-corruption education and training activities and no corruption cases were reported.

Improving the check and balance system

- Improving Collective Decision-making Policy, Petition and Reporting Policy, Anti-corruption Talk Policy and other management policies
- Ensuring the performance of dual responsibilities in the investigation of non-compliance cases, and holding violating employees of leaders of departments and units involved in major non-compliance events accountable

Strengthening punishment for and investigation of violations

- Asking reporters for more details in writing in the case of vague reports and allegations that are unable to prove and keeping the file for record
- Talking with reporters that have submitted detailed reports concerning violations which have been proved untrue, to prevent future violations
- Taking disciplinary actions, including issuing warning, publicly criticizing, demoting and terminating employment contract with employees involved in confirmed violations based on the severity of the violations
- Serious discipline and legal violations should be handled by law enforcement organs

Carrying out promotional and education activities

• Integrating promotional activities into daily anti-corruption education and raising employees' awareness of law and regulatory compliance and improve their ability to correct themselves by organizing training programs, lectures and knowledge examinations, displaying promotional videos, talking with employees, etc.













Talking with officials about fight against corruption before they take office

Employees of Pingwei Power Plant visiting the anti-corruption education base



Pingwei Power Plant has strengthened supervision and stepped up its effort to promote a more positive and ethical mindset in officials before holidays. It constantly urges officials use their power in a proper way and work wholeheartedly to serve the Company and itsstaff.

Promoting Win-win Co-operation

In addition to our own commitment to CSR, we also incorporate our CSR philosophies and requirements concerning environmental protection, workplace safety, protection of employee rights and interests and other aspects in supply chain management, promote responsible procurement and urge suppliers to fulfill their social responsibility.

Supply chain management

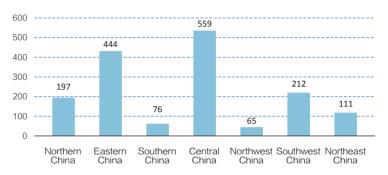
China Power is committed establishing a fair and impartial cooperative relationship with suppliers, and has implemented a three-pronged management system with separated procurement, inspection and supervision functions for fuel and other bulk materials to prevent corruption from the source. The Company faithfully performs its obligations under every contract and respect and ensure equal treatment to all suppliers.

In addition to its own commitment to CSR, the Company also incorporates its CSR philosophies and requirements concerning environmental protection, workplace safety, protection of employee rights and interests and other aspects in supply chain management, promote responsible procurement and urge suppliers to fulfill their social responsibility.

In principle, the Company bases selection of fuel suppliers on possession of mineral resources or energy resources. It rates suppliers by qualification, technical capacity, product quality, price level, after-sales service, reputation and other aspects. Its suppliers are divided into three grades: I, II and III, and special attention are given to Grade I and Grade II suppliers as well as new suppliers and eliminated suppliers.



Number of fuel, equipment and other suppliers in 2016 by region



Case

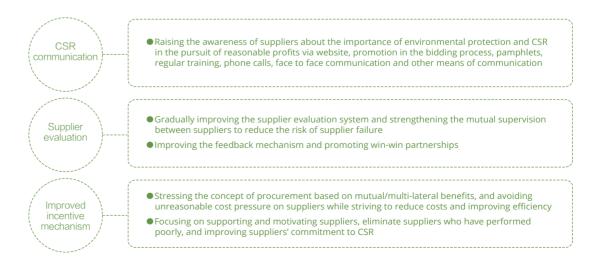
Promoting the development of responsible supply chains

Wufu Power Plant base its evaluation and selection of suppliers on credit rating, performance and other factors. Only qualified suppliers are invited to participate in bidding. In the competitive bidding and selection process for procurement, it assesses and rates suppliers based on rating, performance, safety and environmental response, financial standing, ability to perform obligations under agreement, etc. The procurement department of Wuhu Power Plant has also signed Open Bidding Agreement and Integrity Agreement with the suppliers to ensure strict supervision of procurement activities to prevent noncompliance and strive to create a legal, fair, transparent and clean procurement process.

Helping suppliers build up CSR management capability

To achieve common development with supply chain partners, China Power is committed to helping suppliers improve their management capability, raising their awareness about CSR by strengthening the communication with suppliers on CSR, evaluating suppliers and improving the incentive mechanism.

China Power has power plants under local grid companies generate electricity. In 2016, as the Chinese government opened up the electricity market, the Company made active efforts to increase its customer base, took the initiative to strengthen communication with major electricity users and establish sustainable partnerships with them so as to gain a larger market share.



Achieving steady operating results.

The company will broaden the revenue source as well as tighten control on costs, intensify sales marketing of electricity, explore market of heat supply business, seek for the most favorable tariff, control the overall fuel costs, and secure profits in coal-fired power and the available cash flow. In addition, the Group continues to optimize power structure of wind and photovoltaic power, and strengthens the efforts at recovering in renewable energy subsidies so as to maximize profits from the clean energy business.

Deepening the transformation and building up the core competencies.

The Company will continue to promote the development of alternative energies, including hydropower, wind power and solar power, explore "PV +" business models, expediting electricity distribution and sales and integrated energy development, and strive to provide cleaner, more stable, more reliable power.

Improving safety management and ensuring reliability in operation.

The Company will continue to improve safety and environmental management and operation standards, upgrade the Health Safety and Environment system, strengthen safety and quality management, strengthen the management of operation, maintenance and technical transformation processes, enhancing management of projects under constructionand ensure workplace safety.

Advancing reform and innovation on deeper levels.

The Company has made continued efforts to improve corporate governance and system control, put in place a sound and effective supervision and risk control system, develop better technological innovation mechanisms, boost the exchanges and cooperation with institutions of higher learning and research institutes, and promote the application of information technology, thus injecting new vitality into the Company.

Stepping up green development and environmental protection.

The Company will continue to raise awareness of environmental protection and low-carbon development, strengthen and expand the scope of its pollution control efforts, strictly abide by laws and regulations related to pollution permits and ecological protection, step up environmental management, promote low-carbon practices in operation, reduce the impact of its production and operation activities on the environment.

Supporting charitable activities and contributing to building a harmonious socialist society.

The Company will continue to align its development goals to the development goals of the country, support charitable activities, promote targeted poverty alleviation, encourage employees to volunteer and be a responsible citizen of a harmonious society.

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Feedback

Dear readers,

Thank you for reading the report! We would be pleased to receive your comments and suggestions so that we can make improvements in our future work.

Please answer the following questions and fax the form to: 852-2802 3922, or send it to our E-mail: ir@chinapower.hk.

"√" in appropriate boxes

	Yes	Neutral	No
Do you think the report highlights the Company's work and impact on the economy, society, and environment?			
Do you think the information and index disclosed by the report is clear, accurate and complete?			
Do you think the content and style design is helpful for reading?			

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- 3. What suggestions do you have on our future corporate social responsibility reports? Please inform us of your personal information if you do not mind.

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