国家能源集团
CHN ENERGY

2019

China Longyuan Power Group Corporation Limited

CORPORATE SOCIAL RESPONSIBILITY REPORT

Clean Energy Beautiful China



NOTE ON THE REPORT

References

Guidelines to the State-owned Enterprises Directly under the Central Government on Fulfilling Corporate Social Responsibilities by SASAC;
Sustainability Reporting Guidelines (G4) by Global Reporting Initiative;
ISO 26000: Social Responsibility Guide (2010) by International Organization for Standardization ISO;
the Environmental, Social and Governance (ESG) Reporting Guide issued by Hong Kong Stock Exchange,
and Guidance on Chinese Enterprises' Corporate Social Responsibility （CASS-CSR 4.0）.

Data Sources

The data in the report is subject to the annual reports, statistics and other official documents of Longyuan Power and its subsidiaries which have been approved by the senior management, administrative departments and subordinate entities.

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Description Clarification

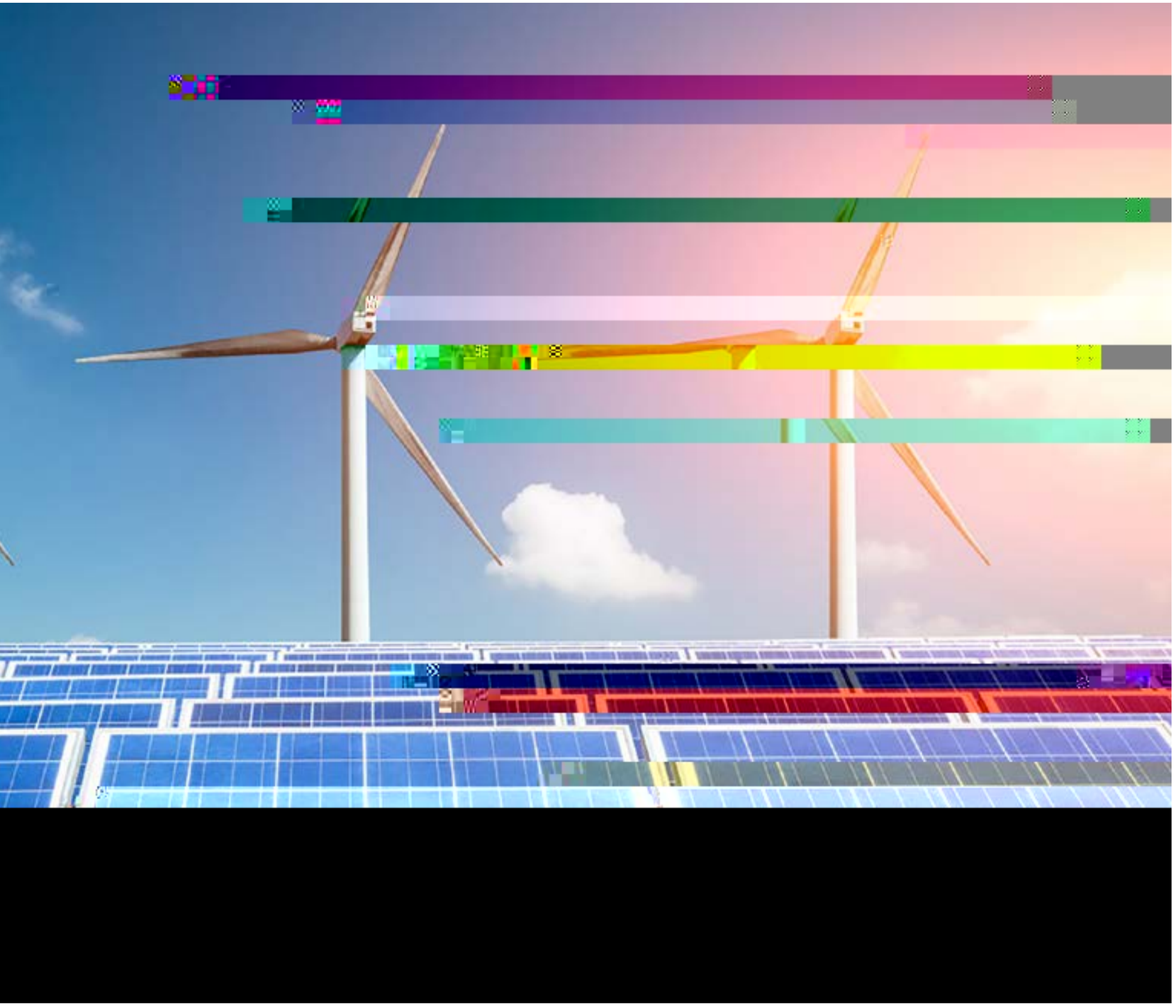
China Longyuan Power Group Corporation Limited is referred to as “Longyuan Power”, “Longyuan” and “the Company” in the report.

Coverage

This report shares its fulfillment of economic, social and environmental responsibilities by Longyuan Power and its subsidiaries.

Time Frame

January 1 – December 31, 2019. Certain parts may go beyond this time frame.



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LETTER FROM THE CHAIRMAN

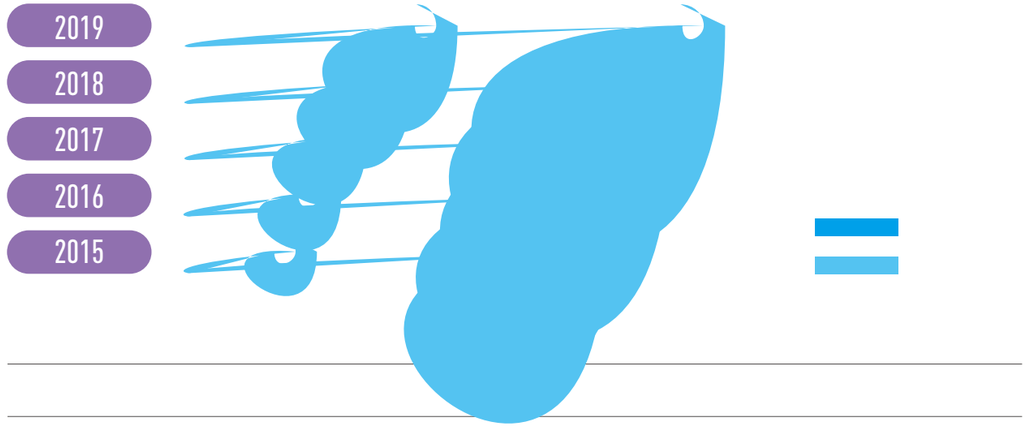
Operating with original heart, shouldering responsibility as mission

COMPANY PROFILE

KEY PERFORMANCE













In October 2019, Zhang Xi, president of Longyuan Tibet Company, as a representative of the central-government owned enterprise staff, was invited to participate "Spring Tide" phalanx floats in the mass parade during the military parade and mass parade to celebrate the 70th anniversary of the founding of the People's Republic of China.

In November 2019, Longyuan Zhongneng Company won the first prize of the 2019 Electric Power Science and Technology Innovation Award for the "Key Technology and Engineering Application for Design and Construction of Shallow Overburden Offshore Wind Power Single Pile Foundation".

In November 2019, "Inheritance from Pursuing the Wind and the Waves" of Longyuan Fujian Company was awarded as excellent works in an event held by Cyberspace Administration of China and the All China Federation of Trade Unions.

"Led by Innovation, deeply integration of information technology and energy production and comprehensively enhanced equipment







RESPONSIBILITY MANAGEMENT



	È Safe and stable electricity supply È Maintain and increase the value of state-owned assets È Comply with laws and pay taxes È Maximize shareholders' long-term benefits	È Guarantee their rights and benefits È Provide professional development È Realize their value È Care for them physically and psychologically È Corporate culture	È Provide sufficient, stable, safe, and environment-friendly electricity at a reasonable price È Enhance service quality	È Abide by commercial morals, laws and regulations È Strengthen standardized safety management È Be credible for a win-win situation	È Participate in the discussion and research on public policies and industrial standards È Follow the industrial development trend and policies È Promote the sustainable development of the Company and the industry	È Protect the community environment È Participate in community construction È Support public welfare
	È Participate in the discussion on relevant policy formulation and contribute its experience È Assert positive influence on public policies È Talk with the government in the operational area È Increase information disclosure	È Staff representatives from the Supervisory Board È Labor unions of different levels È Staff Congress È Increase information disclosure	È Pay regular visits to customers È Publish product quality information È Provide service activities È Seek for customers' opinion È Increase information disclosure	È Business negotiation and technical exchanges È Publish management regulations on suppliers and contractors È Share management experience and technical standardswww È Contract negotiations È Routine business communication È Increase information disclosure	È Provide corporate experience È Participate in relevant activities È Enhance international exchanges È Increase information disclosure	È Talk with local governments È Support community welfare È Community visits and exchanges È Increase information disclosure
	È Execute the national energy policies È Open to supervision, inspection and evaluation È Regularly hold meetings of shareholders È Regularly hold meetings of the Board of Directors È Hold meetings with investors	È Strengthen employees' training and cultivate their skills È Improve living and working facilities È Continue with the Green Care Campaign È Insist on employees' occupational health check	È Refine quality management system and recommend products' technical upgrade	È Establish transparent and fair regulations for bidding È Compile legitimate and fair contracts for cooperation È Improve the system and procedures of project construction supervision È Actively communicate and coordinate with contractors and create a safe and healthy working environment È Provide fair competitions to suppliers	È Take part in industrial organizations È Communicate about concerned problems in various methods È Participate and support the international environmental standardization	È Conduct educational donations, disaster relief, and crisis rescue È Support the new rural construction È Support and promote local economic development by constructing major projects È Carry out employee volunteering activities È Invest in environmental protection projects
	È Fees and taxes È Power production È Dividend-payout ratio È Stock value	È Occupational health check rate È Number of trainings given to employees È The guarantee of salaries and vacations È Donations to employees in difficulties	È Electricity sales	È Contract implementation rate	È Number of organizations and people to take part in and the number of activities	È Social welfare investment È Number of employee volunteers and the number of activities

1	I I i 1
Carry out social responsibility risk management	Completed
Establish social responsibility work information system	Completed
Incorporate performance evaluation indicators into the evaluation system and conduct a comprehensive social responsibility performance evaluation	Completed
Carry out internal social responsibility investigations and optimize the management system based on performance evaluation and investigation results	Completed
Participate in the formulation of social responsibility standards at home and abroad, and contribute to the development of domestic and international social responsibility	Completed



ECONOMIC RESPONSIBILITY

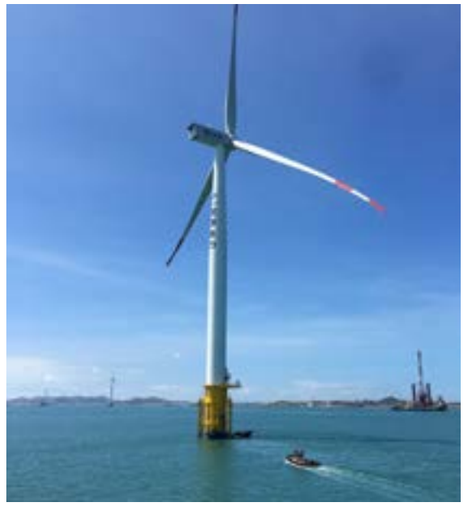


01 /





Longyuan Hubei Company and Zishi Town signed a 135,000 kilowatt photovoltaic development agreement



Longyuan Fujian Company's offshore wind farm staff sails to work



CLASSIC CASE

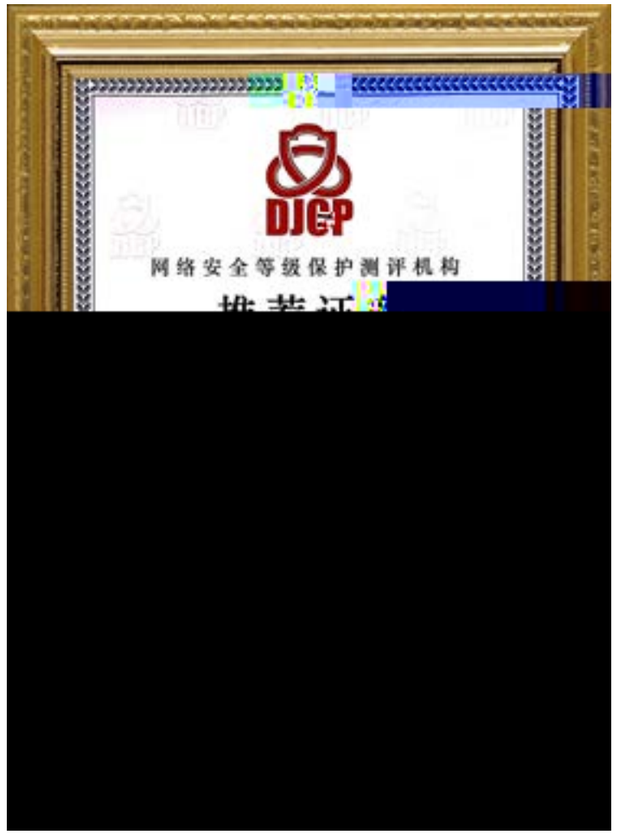
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05/







In July 2019, Longyuan Zhongneng Company successfully obtained the qualifications of national network security evaluation institutions, marking the frst time that domestic new energy industry obtaining such qualification licenses which provides effective guarantee for energy information security.

01/





On June 26, 2019, a group of East China Power Grid Company came to Longyuan Jiangsu Company Dongyuan Wind Farm to carry out power station and grid network activities.

02/



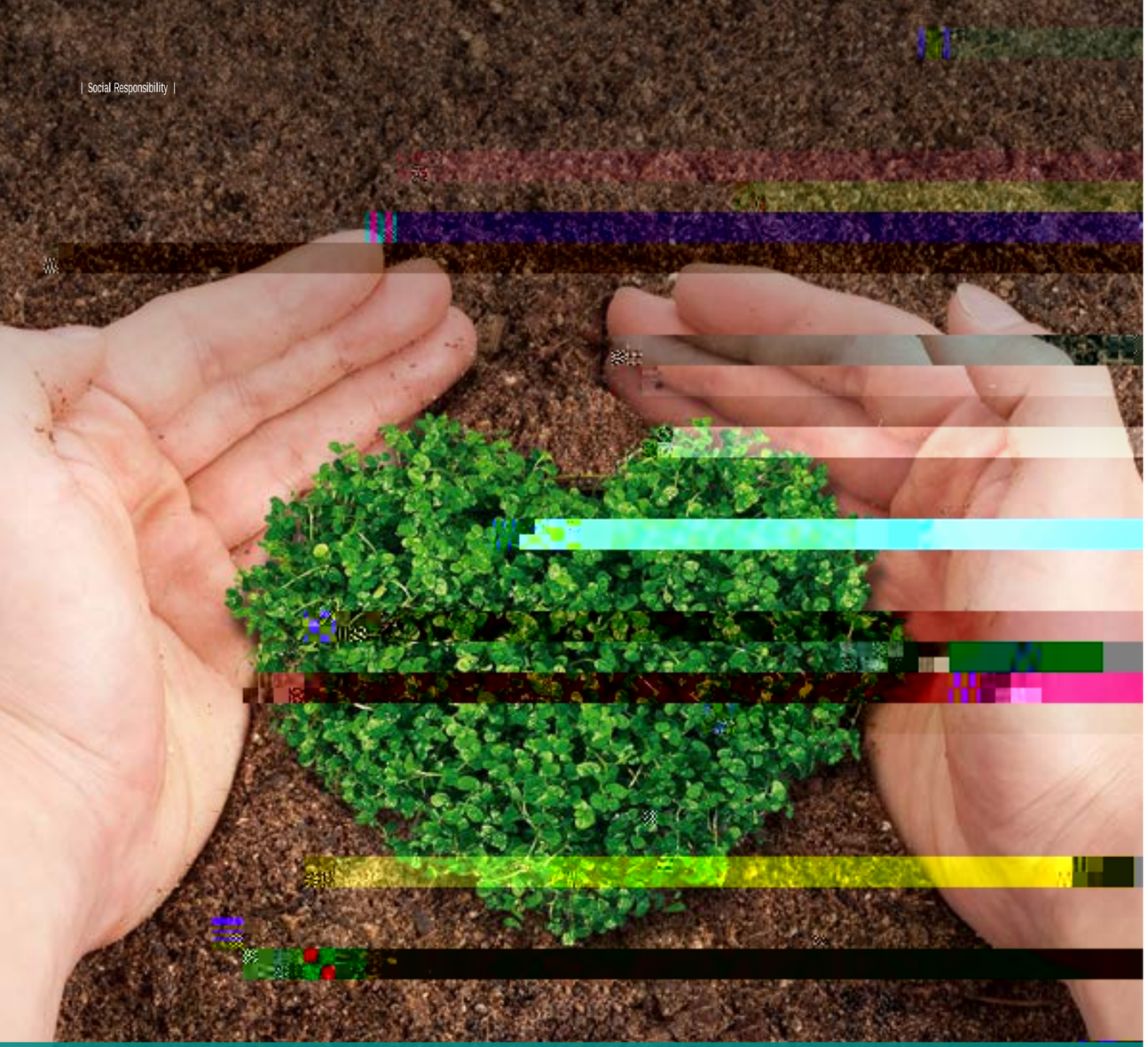
On August 23, 2019, journalists and news reporters from Xinhua News Agency and other ten mainstream media, industry media and new media summoned by State-owned Assets Supervision and Administration Commission of the State Council and Cyberspace Administration of China visited Longyuan Zhejiang Wenling Jiangxia Tidal Test Power Station to conduct research and interview with the theme of Grow with the PRC, New Media into New State-Owned Enterprises.



In 2019, a-week-long Clean Coal and Clean Energy Exchange and Training for APEC economies was held in Ningbo, Zhejiang. As an important part of the event, Longyuan Zhejiang Zhoushan Jintang Wind Farm welcomed a delegation of 45 people from APEC economies from nine countries and regions in the Asia-Pacifc region for their visit on May 10.



In June 2019, Longyuan Mengdong Company Daiqingtala Wind Farm and Daiqingtala Central School jointly organized the school-enterprise network activity.



SOCIAL RESPONSIBILITY

Longyuan actively shoulders its responsibility for the government, Enhances the leading role of party-building, adheres to practicing integrity, strengthens the construction of the rule of law, actively abides by national energy rules and related policies, safeguards the safe and stable supply of electric power, thus creating a good corporate atmosphere

CLASSIC CASE



The Party committee of Longyuan Jilin Company carried out the traditional revolution education with the theme of remaining true to our original aspiration and keeping our mission firmly in mind by retaking the road of united forces.





On April 17, 2019, Longyuan Jiangsu Company carries out the law-enforcement activities on the theme of “sending the law to the wind farm and law entering the construction site” to prevent legal risk in construction of xuyi project.



In December 2019, Longyuan Yunnan Company held a civil lawsuit moot court on National Constitution Day.



Longyuan Hubei Company carried out warning education activities during the Party conduct and integrity Government Education Month, and distributed honest and clean administration bookmarks to key post personnel to advocate integrity practices.

In November 2019, Longyuan Tibet Company organized Party members, leading cadres and employees to go to Tibet Million Serf Memorial Hall to carry out Party and patriotic education.



On August 13, 2019, Longyuan Guangxi Company completed the land acquisition and sociyÐ ъ ！ O¾ᴹ ъ ƨ nd $ B Y c

Population	, 4
Male Population	
Female Population	
Proportion of first-line production staff	
Proportion of first-line production female staff	
Proportion of mid- or high-level manament female staff	
Number of foreign employees	



Longyuan Ningxia Company carried out the on-site employees' skills training



Longyuan Heilongjiang Company Shuguang Practical Training Base conducts training for electric transmission and transformation equipment operation

05 /



Chairman of the Board of Directors Jia Yanbing visited and sent regards to the frontline employees in affliated Xinjiang company

06 /



On July 15, 2019, 55 labor models, advanced individuals, front-line workers and family members from remote and poor area in 23 affliated units of Longyuan gathered in Yichun, Lindu to carry out the first batch of advanced labor rehabilitation activities of Longyuan this year.



Longyuan Hubei Company sent regards and granted allowance to employees in need.

07 /



Sun Jinbiao, the president of the Company, visited and sent regards to the frontline employees in affliated Hainan company



Longyuan Jilin Company organized study and rehabilitation activity for the frst time to learn from the model, advanced individuals and frst-line outstanding employees.



01 /

The staff from Longyuan Hainan Company is explaining and demonstrating the correct way of wearing the full body safety belt for the employees' family



Longyuan Shaanxi Company's Zhouwan Wind Farm actively responded to the invitation of Wuqi County Government to participate in the 2019 National Safe Production Month activity themed as preventing risks, eliminating hidden dangers and reducing accidents, to popularize the knowledge of safe production for the masses of Wuqi County and to raise the masses awareness of safe production, creating an environment of safe production.



On the eve of the Super Typhoon Lekima's landing, the wind farms of Longyuan Jiangsu Company carried out special inspections to investigate and eliminate hidden troubles.

In June 2019, Longyuan Hebei Company carried out investigation and elimination of hidden problems, digging deep into hidden safety risks, and consolidated the foundation of safe production.



In July 2019, Longyuan Zhongneng Company successfully completed the intelligent inspection fight test of UAV blades for offshore wind farms in Nanri, Fujian. UAV blade inspections began to enter the offshore wind farm operation and maintenance.



Longyuan actively takes the responsibility as a corporate citizenship, insists on the principle of "developing enterprise and nurturing society in synchronization", actively conveys warmth and care, fulfills its due obligations in serving the community, participating in public welfare and volunteering, takes part in social public welfare activities, contributing more to the harmonious development of the society.



01



The Party branch of Dabancheng of Longyuan Xinjiang Company extended regards to police officers of Chaiwobao Police Station, greeted and expressed gratitude with Spring Festival blessings to the front-line personnel fghting against terrorism and maintaining stability.



The Party Committee of Longyuan Guizhou Company was awarded the title of Advanced Party Organization for Poverty Alleviation Endeavors in Bijie City.



Longyuan Zhongneng Company carried out the charity donation of Green Zhongneng Clothing Relationships with employees actively donating clothing.



Longyuan Guangdong Company donated money to help Longchuan fght against foods.



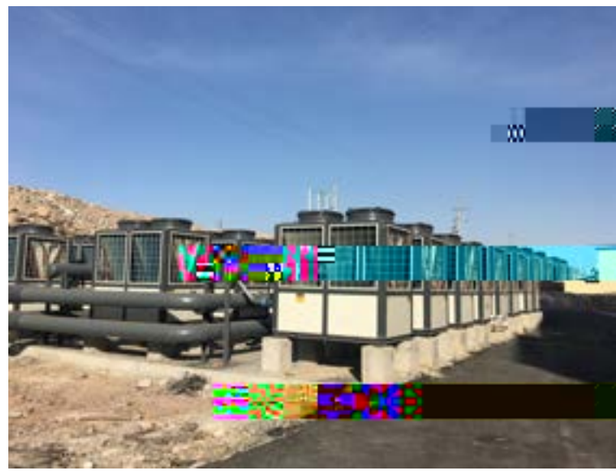
ENVIRONMENTAL RESPONSIBILITY

Longyuan actively shoulders its responsibility for environment, has long been sticking to the concept of green development, adhering to the environmental protection policy of "protecting the environment, preventing pollution, carrying out environmental governance according to law, and developing sustainable green power". It actively implements the national energy conservation and emission reduction policy and focuses on the development of clean energy. The Company's new energy power generation business itself is an environmentally friendly business that protects the environment and does not consume resources. The power generation process does not consume fossil fuels and water, nor emits exhaust gas, greenhouse gas, pollutants and hazardous waste, leaving no significant adverse effects on resources. While developing new projects, the Company does not forget to save energy and reduce emissions as well as strives to maximize green benefts.

CLASSIC CASE

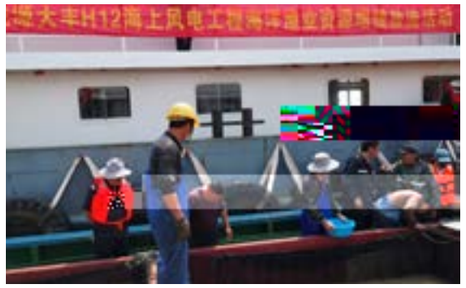
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In December 2019, Longyuan Inner Mongolia Company 's new energy wind power clean heating technology renovation project was launched to provide heat to a stone processing park in Ulanqab with a heating area of approximately 100,000 square meters, marking the success of Xiaonanying 's wind power heating technology renovation project start up and its entering to the trial operation phase. This wind power clean heating project is estimated to save more than 4,500 tons of coal annually, reduces annual carbon dioxide emissions by 11,790 tons, 38.25 tons of sulfur dioxide, 33.3 tons of nitrogen oxides, and 18 tons of soot. The Company actively responded to the “Win the Blue Sky Defense War” of the autonomous region, actively advocated and implemented a clean wind heating project, making great contributions to local energy conservation, emission reduction and environmental protection.



The Company constantly improves its environmental management system, strengthens environmental control, and raises awareness of environmental protection. It adopts various measures to strengthen environmental protection during the construction and operation phases of the project. The Company puts the environmental protection and management of water and soil conservation of the project construction at the same important position as the project safety and quality management. Under the regulatory control, the

Longyuan Power has always complied with the requirements of laws and regulations related to environmental protection, paid full attention to and considered the potential impact of the project on the surrounding environment, strictly carried out the preliminary environmental assessment of the project, carefully planned and implemented the vegetation restoration and environmental protection after project operation, constantly focuses on the integrity and protection of biodiversity in the protected area, so as to ensure that the ecological environment with reasonable structure and stable system was formed in the field. In 2019, the company continued to build and participate in a number of projects and activities to protect biodiversity, and continued to win the respect of the government and people where it operates.



In the spring and autumn of 2019, Longyuan Jiangsu Offshore successfully organized Dafeng (H12) 200MW offshore wind power project to carry out marine ecological restoration and rtificial propagation and release activities with 8.57 million fsh fry released throughout the year.

01 /





02 /

Responsibility Planning