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

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Jia Yan Bing
Chairman

LETTER FROM THE CHAIRMAN

Operating with original heart, shouldering responsibility as mission

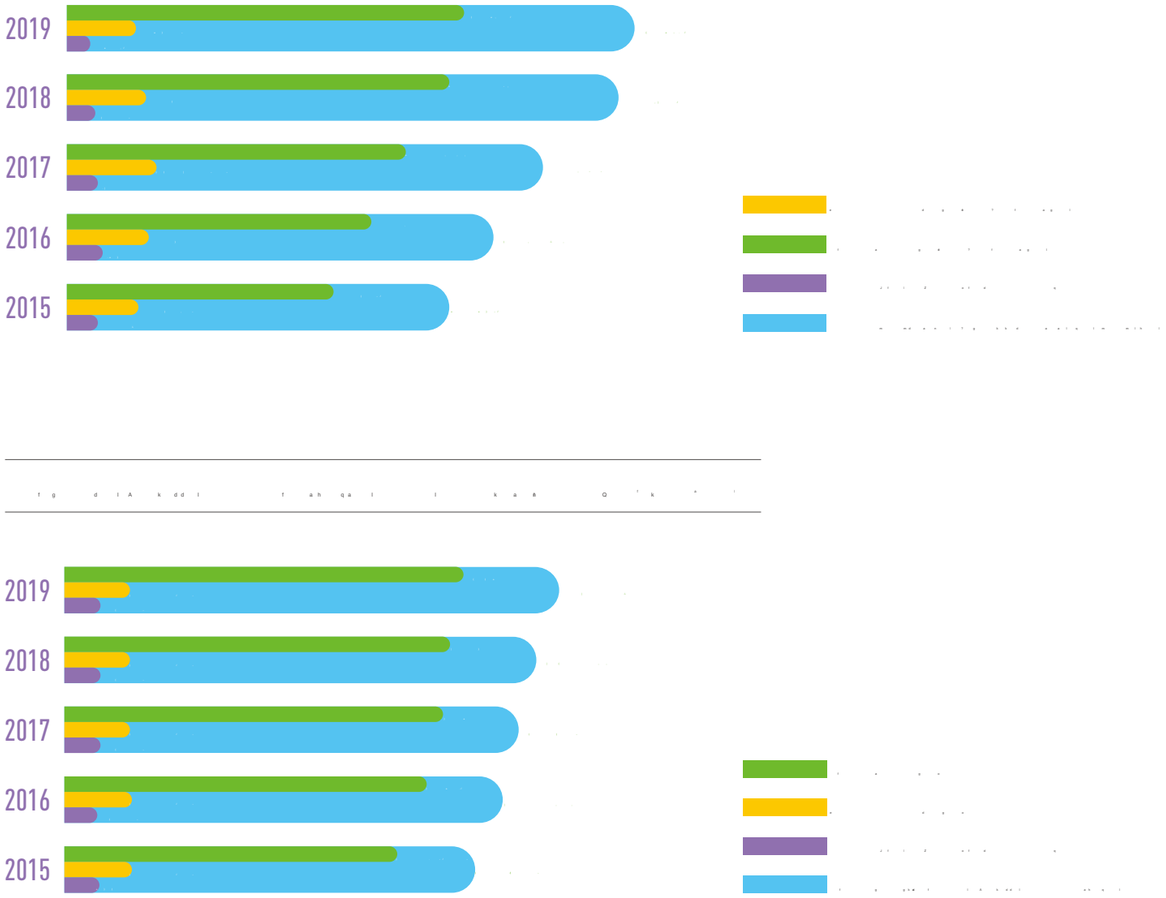
2019

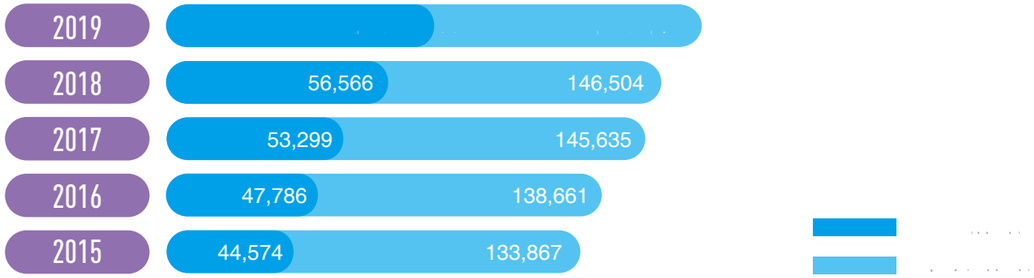
resident

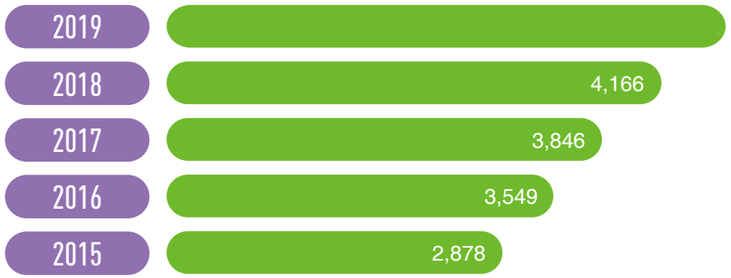
LETTER
FROM THE PRESIDENT

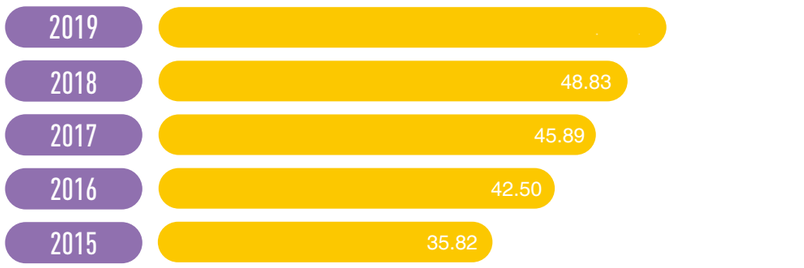
COMPANY PROFILE

KEY PERFORMANCE









f g g k o k

RESPONSIBILITY FEATURE

Longyuan Power won the "Overseas Corporate Responsibility Model Award"

Early Childhood Education Center Invested by Longyuan South Africa Company.

On December 25, 2019, Longyuan Power won the "Overseas Corporate Responsibility Model Award" at the 2019 China Corporate Social Responsibility Report Summit and the Eighth Annual Shared Responsibility Summit hosted by the China Social Responsibility 100 Forum and the China Corporate Social Responsibility Report Rating Expert Committee in Beijing.

In recent years, Longyuan Power has actively implemented the Belt and Road initiative by enhancing international energy and technology cooperation as well as fulfilling its responsibilities, serving local communities so as to have a good image of Chinese enterprises. Given a full consideration of its core business, corporate sustainable development and the actual situation of South Africa's development, Longyuan South Africa company proposes a local initiative featuring helping students, building dreams, cultivating people to contribute Chinese help to South Africa's education. Longyuan South African company formulates a scholarship program investing four million rand annually to fund 40 excellent poor freshmen in the Northern Cape Province to go to college which is appreciated by the South African Department of Energy. Longyuan South African company funds South African Department of Energy for its college student learning week activities and investes four early childhood education centers with an annual investment of about two million rand to carry out pre-school education for local poor or a total of 300 local children. Longyuan South Africa company spends four million rand purchased rand each year to provide free medical services to nearly 10,000 local children, women, the elderly and other special poor people. As a typical case, the company's performance of responsibility in South Africa was included in the "Blue Book of Central-Government Owned Enterprise Overseas Social Responsibility (2019)" compiled by the State-owned Assets Supervision and Administration Commission of the State Council and the Chinese Academy of Social Sciences.

As exchange with hundreds people and mass all being its catchword, the China Social Responsibility 100 Forum was established on October 30, 2016 aiming to create a mechanism for government leaders, experts, scholars, and entrepreneurs to participate in their personal capacity to build high-end platform for China society responsibility development. A total of 150 guests from all parties including the State-owned Assets Supervision and Administration Commission of the State Council, the Ministry of Industry and Information Technology, outstanding enterprise representatives, and mainstream media attended the meeting. The conference initiated the compilation of the "Chinese Corporate Social Responsibility Reporting Guide (CASS-CSR5.0)" and released the "Chinese Corporate Social Responsibility Report Research (2019)" for the ninth consecutive year.

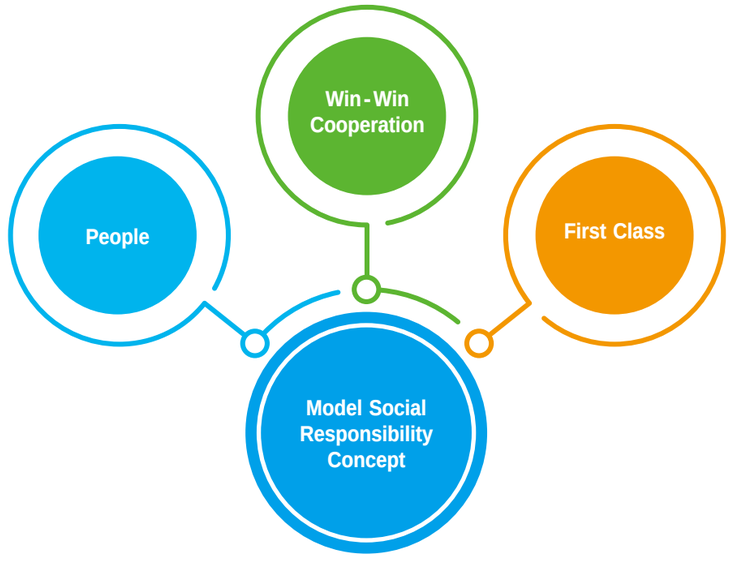
Longyuan Ranks in Global Top 500 New Energy Enterprises for Seven Consecutive Years

On October 22, 2019, the 2019 Taiyuan Energy Low-Carbon Development Forum was held in Taiyuan, Shanxi. The conference at the same time announced the results of the selection of the Global Top 500 New Energy Enterprises in 2019. Longyuan Power has been listed for seven consecutive years.

work guideline of making progress while maintaining stability, continues to apply the new development philosophy, solidly promotes quality development, constantly optimizes its layout, focuses on the development of high-quality wind resources in the central, eastern, southern and southeastern coastal areas, maintaining its position as the world's largest wind power operator.

Longyuan Power has been awarded “2019 Global 500 New Energy Enterprise” by search committee in a big public welfare activity authoritative research and evaluation of the new energy industry, which has been successfully held for nine sessions. The event provides an indicator of global new energy industry feature, new changes and important trend. The Global Top 500 New Energy Enterprises Research Foundation, which is the basis of this selection activity, was listed as a soft science topic of the National Energy Administration in 2011.

RESPONSIBILITY MANAGEMENT



2019 Corporate Social Responsibility Report

Clean Energy · Beautiful China

Stakeholders	Government & Shareholders	Employees	Customers	Partners	Social Institutions	Community
Target & focus						
Communication channels						
Major actions						
Key performance indicators						

Roadmap of CSR 2019	Implementation of CSR 2019

ECONOMIC RESPONSIBILITY

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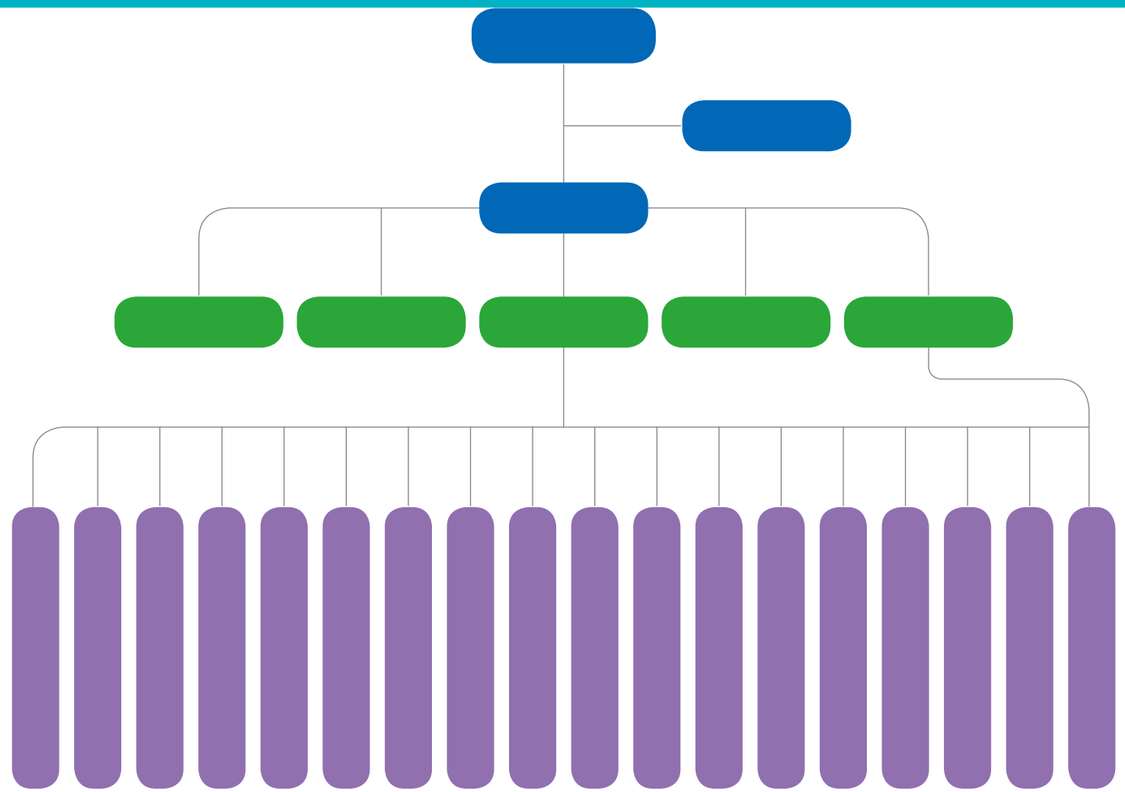
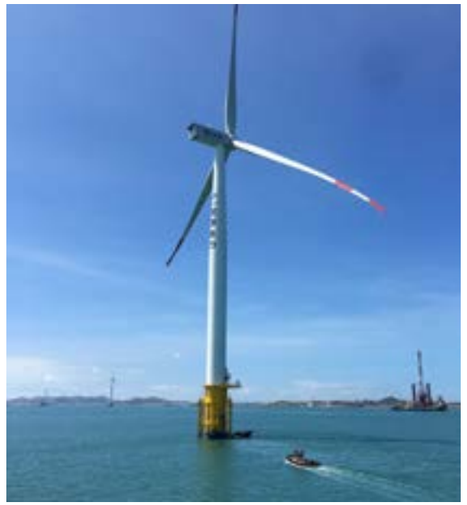
01 /



06 /

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

02 /

On November 26, 2019, the first wind turbine of Longyuan Tianjin Yangjiapo 50MW Wind Power Project was completely installed as the third fan blade of the No. 3 stand was slowly seated.

In 2019, the first phase of the Wucheng project of Longyuan Shandong Company kicked off and finished installation of its first wind turbine on October 10th.

03 /

04 /

The Company deeply implemented China Energy revenue and

CLASSIC CASE

Longyuan Qinghai Company participated in the first market-oriented transaction between Qinghai Energy Storage Power Station and new energy companies

Signing Ceremony

05 /

one national standard and four energy industry standards

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/

The Company takes integrity as the

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 of integrity and legitimacy which provides an important guarantee for the corporate's healthy development.

01 / Party Building

The Company insists on studying and implementing Xi Jinping Thought on Socialism with Chinese Characteristics for a New Era and the spirit of the 19th CPC National Congress and its forth Plenary Session as the primary political task, strengthens the overall leadership of the Party, vigorously improves Party conduct and uphold integrity, incorporates the construction of integrity administration and combating corruption into daily operation and management, strengthens supervision and discipline, promotes the construction of an integrity culture, and adheres to practicing integrity. Improving Party conduct and upholding integrity provides a strong political, ideological and organizational guarantee for the healthy development of the company.

CLASSIC CASE

Carry out education activity themed as remaining true to our original aspiration and keeping our mission firmly in mind

In 2019, Longyuan carried out education activity with the theme of remaining true to our original aspiration and keeping our mission firmly in mind. The Company's leadership investigated in 18 grassroots, listened to their opinions and suggestions, produced 29 reports, collected 34 reflected problems, all of which are being handled. The Company set up five steering groups to steadily promote the completion of 41 grassroots units work tasks, making the themed education a full coverage of the Company.

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 June 21, 2019, the Longyuan Power Party Committee held a cadres education seminar with the theme of remaining true to our original aspiration and keeping our mission firmly in mind and a learning session of the Party committee theory center group (enlarged).

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 ᵐ ᵠ a ʜÆ ʌ ɹ ɣ ᵑ ɹ ђ Âmъ ᵀ Â ivit Â Âmъ ƀMſ C ǐ = a

Longyuan Power actively shoulders its responsibility for the employee, regards employees as the most valuable wealth of the company, perfects position systems which suits the market and company's development, continuously improves the job system which adapts to the market requirements and the scale of enterprise development and the competitive labor and employment mechanism, constantly optimizes the labor and employment structure, and strives to provide employees with secure jobs and broad growth space.

Population and proportion statistics of Longyuan (As of the end of 2019)	
	7,834
	6,653
	1,181
	74%
	15%
	25%
	13

Longyuan Tianjin Company carried out educational activities in the theme of learning from example around and striving to be a pioneer in the post to learn from model Zhang Liming. As an outstanding representative of electric power workers, Zhang Liming has won the honorary titles of "Model of the Times", "Pioneer of Reform", "Model of Morality", "Most Beautiful Fighterr" awarded by the country.

Zhang Xi from Longyuan Tibet Company was invited to phalanx foats as a representative of new energy industry in National Day to show exemplary spirit, to demonstrate Longyuan staff spirit and to deliver the positivity of endeavors.

03 / Employee Development

CLASSIC CASE

Deeply promote the construction of "Chief System"

In 2019, Longyuan further improves the professional development system of the three teams of "administration, technicians and technical staffs" and further promoted the construction of the "chief system". Throughout the year, 90 additional chiefs at all levels were certified including six company-level chiefs and three grassroots chiefs. A total of 358 chiefs at all levels were certified throughout the year including 15 company-level chiefs (ten technician and five technical) and 32 grassroots chiefs (16 technician and 16 technical). The establishment of the chiefs team has effectively promoted outstanding employees' development, fully exerted the leading role of excellent talents, and achieved fruitful results in education and training, technical research and project research, forming an environment where attracts, solicits, educates and staffs talents.

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

04 / Employee Training

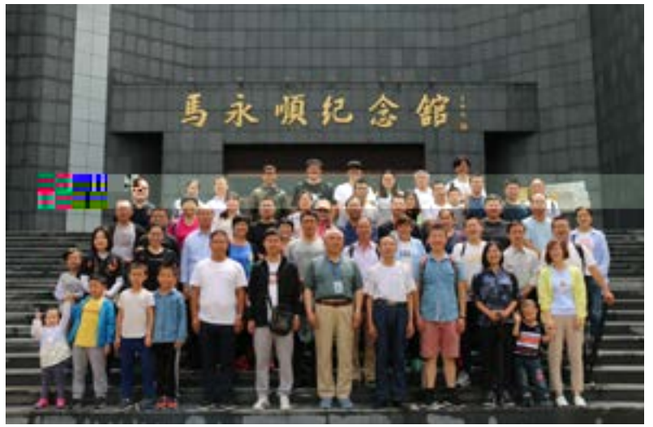
of developing through talents and fully promotes the

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

05 / Employee Compensation

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.

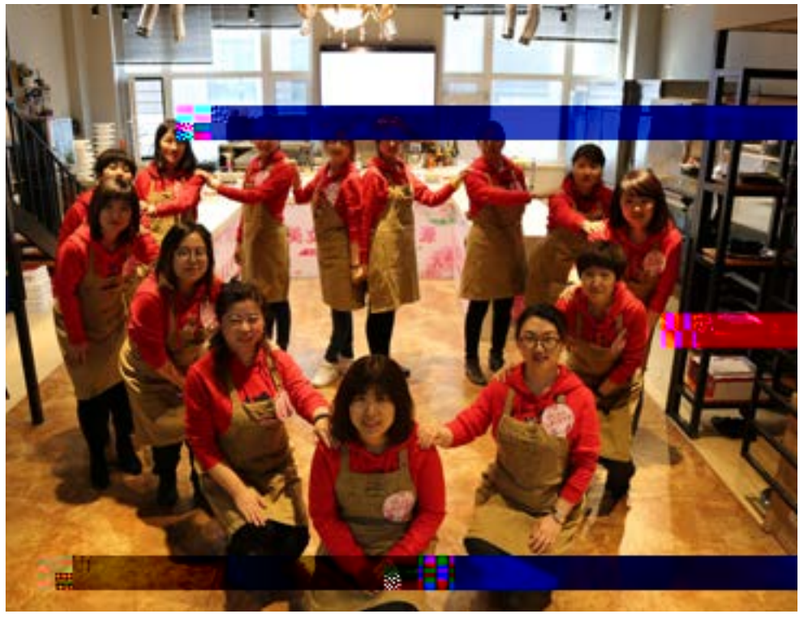
07 / Caring Program

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.

08/

Longyuan held Staff Calligraphy and Painting Exhibition in name of celebrating the Seventieth Birthday of the Motherland



In order to celebrate the 109th International Women's B ' s tęMIτ ᵈ n $iv n l. I

Longyuan Xinjiang Company held the Red Song Party themed as My Motherland and I stride together Celebrating the 70th Anniversary of the Founding of PRC

01 / Safety Culture

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.

03/

The Company has intensified safety

strengthened safety supervision and

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.

04/

Longyuan Ningxia Company carried out with the goal of "doing a good job in deep maintenance and restoring the performance of the equipment", made an actively deployment in response to the problems, solidly promoted the deep maintenance of wind turbines, and injected new impetus into the company's high-quality development.

The Longyuan Heilongjiang Company 's Bianfushan Wind Farm fully played the role of the youth power in the 80-day ensuring safety and increasing power generation corporate competition. Young employees rushed over the snow for repairing the wind tower battery feed failure, making every effort to ensure the safe and stable operation of the wind farm.

Members of Longyuan Shanxi Company's Renlong Innovation Studio carried out innovation and profit-making work on common failures of variable pitch slip rings.

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 / Serving the Community

CLASSIC CASE

Longyuan Canada participates in local community activities

In 2019, Longyuan Canada actively fulfills its social responsibilities and established close collaboration with the communities and government agencies where the Dufferin Wind Farm is located. It became a diamond-level sponsor for the autumn agricultural trade fair held by local Dundalk Town Government; it supported local youth hockey team activities and hockey games in the community, establishing a good corporate image and reputation of Dufferin Wind Farm, setting up harmonious community relations, winning appreciation from the local community and the government.

02 /

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.

On April 12, 2019, the Youth League Committee of Longyuan Jiangxi Company and Tonggu County No. 2 Middle School carried out the "Wind Power Knowledge into the Campus" hiking research activity.

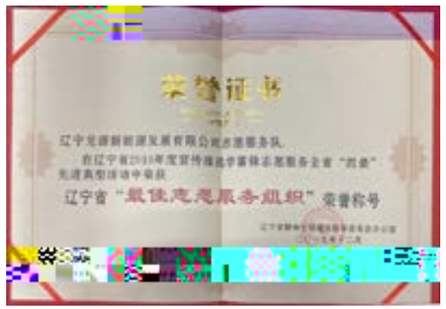
On September 1, 2019, Longyuan Jiangsu Offshore Wind Power staff discovered and successfully rescued in time the members of the Rare Bird Conservation Association who fell and were trapped in the sea during routine monitoring and inspection work.

In November 2019, Longyuan Yunnan Company participated in civilized transportation promotion and intervention volunteer work themed as Civilized Cities Model for Civilized Units.

Cai Chengpeng, a young volunteer from Longyuan Zhejiang Company's Wenling Jiangxia Tidal Power Station, as the only candidate recommended by the China Energy Group Youth League Committee, participated in the fourth national volunteer trainer course jointly organized by the Youth League and the China Youth Volunteers Association.

03/

The Company strongly supports employees to provide



In December 2019, the volunteer service team of Longyuan Liaoning Company was awarded the title of "Excellent Volunteer Service Organization for Learning from Leifeng".

Longyuan Gansu Qiaodong Wind Farm was selected as Nankai University social practice base for Serving Belt and Road Initiative.

ENVIRONMENTAL RESPONSIBILITY

Energy Conservation and

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 benefits.

CLASSIC CASE

Longyuan Inner Mongolia Company Xiaonanying Wind Power Clean Heating Technology Reform Project Contributes to Blue Sky and White Clouds

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 relationship between the speed of development and the quality of the project, the expansion of the scale and the economic benefts, the ecological red line and the bottom line of environmental protection are strictly observed to ensure that no environmental safety accidents and no debt of environmental protection and water conservation will occur. During the reporting period, there were no violations of national environmental laws, regulations and policies.

During the construction period, the Longyuan Ningxia Company Yanchi West Dajing Project Department always adhered to the principle of protecting nature and was awarded a Green Energy, Harmonious Development banner by the local government.

Longyuan Guizhou Company Weining Xiaohai Wind Power Project implemented the principle tht water and soil conservation construction designs, constructs and puts into operation with the major engineering construction. The picture shows the water and soil conservation governance achievement demonstration.

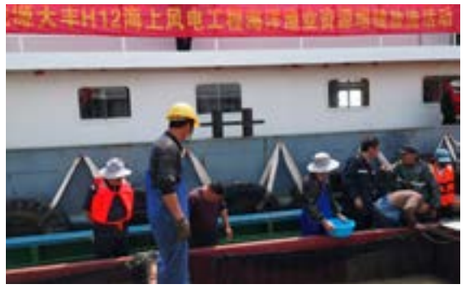
02 /

The Yilan river protection volunteer team from Longyuan Heilongjiang Company picked up white garbage along the Songhua River in Yilan County, cleaned up the riverside and carried out a live and on-site teaching of ecological environment protection.

Longyuan Zhejiang Company Wenling Jiangxia Tidal Power Station was selected as the eighth batch of National Important Heritage Conservation Unit.

Longyuan Hunan Company carried out Green Project Grows Hope voluntary tree planting activity.

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

Professional Appraisal

FEEDBACK

Bad

Bad

Bad

Bad

Bad

Yes

Yes

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