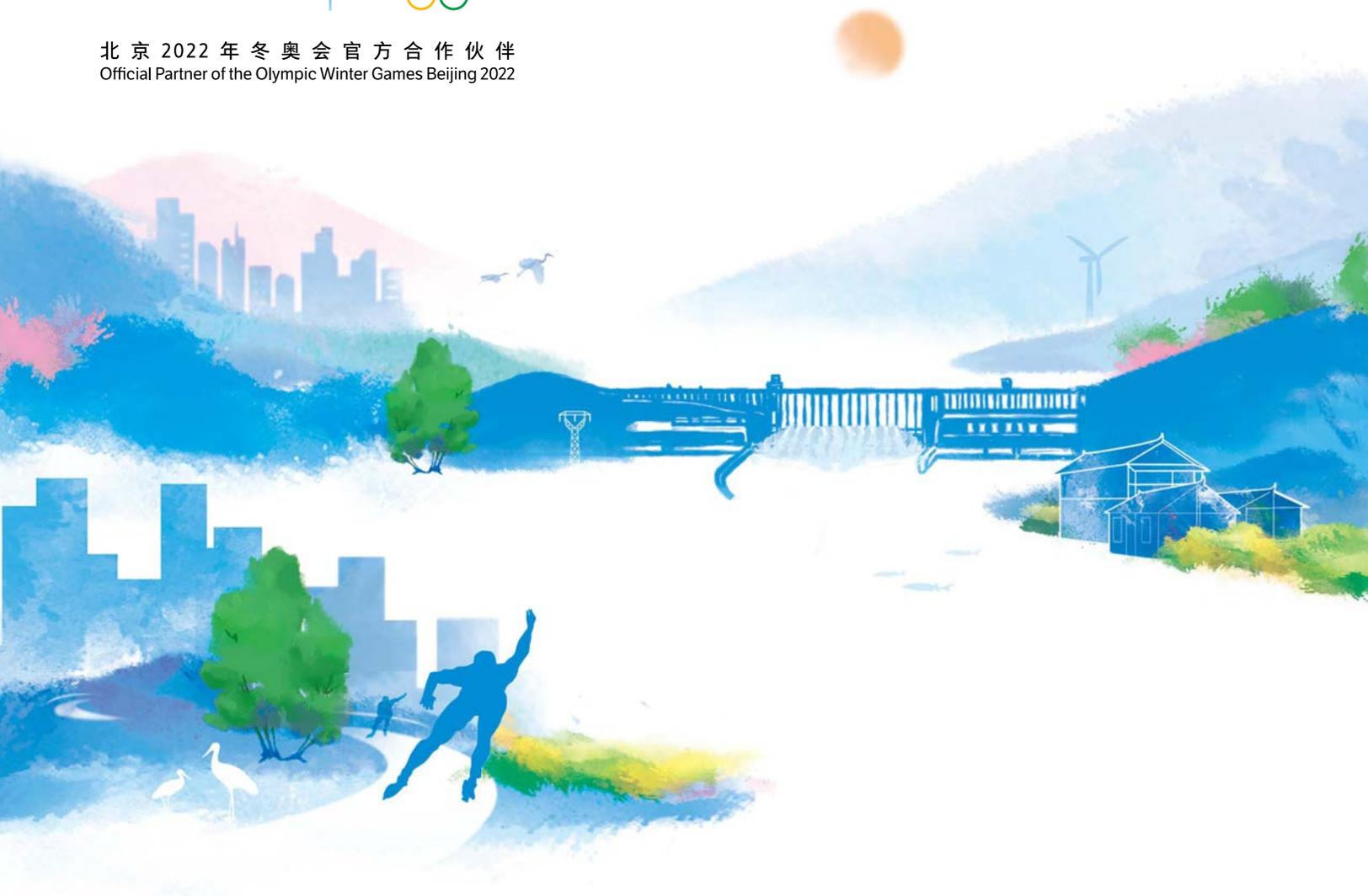




北京 2022 年冬奥会官方合作伙伴  
Official Partner of the Olympic Winter Games Beijing 2022



# 2020 Sustainability Report

Wudongde Hydropower Station is a major national project for transporting electricity from the west to the east. We should persist in the new development philosophy and seek technological breakthroughs fearlessly, complete subsequent construction work up to high standards, and build Wudongde Hydropower Station into a quality project. We should always put ecology and green development first, advance the development of Jinsha River's hydropower resources in a scientific and orderly manner, coordinate the development and protection of the Jinsha River basin, and thus enhance people's wellbeing.

**—Instruction of President Xi Jinping on the operation of the first group of generating units at Wudongde Hydropower Station**

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## Message from the Chairman



Lei Mingshan  
Board Chairman and Secretary of Party Leadership Group  
of China Three Gorges Corporation

## CTG: An enterprise dedicated to betterment of the people

The year 2020 saw China Three Gorges Corporation (CTG) advance with the times. With rock-solid confidence, we made Herculean efforts for high-quality development. In 2020, the first batch of generators of Wudongde Hydropower Station went into operation. Chinese President Xi Jinping spoke highly of the success and of the overall work, and called for efforts to "adhere to the new development philosophy, continue to scale the heights of science and technology, and strive to build high-quality projects and bring more benefits to the people". This is the greatest confirmation and honor for us, and points out the direction of high-quality development, laying down the fundamental guideline for us to work to benefit the people at a higher level and in more areas. CTG employees will keep President Xi's instruction in mind, work hard to live up to his expectations, and strive to accomplish a series of challenging, difficult but worthwhile projects, opening up new ground for CTG's reform and development.

To bring more benefits to the people as instructed by President Xi, we must further establish ourselves as a patriotic and responsible entity while pursuing corporate development. Bearing in mind the national and people's interests in mind is a fine tradition we have long cherished, and also our due responsibility. In the course of building major national projects, and while advancing reform and development, the CTG spirit of "Building the Three Gorges for a Greater China" came into being. We always see it as our ultimate pursuit to serve the long-term national interests, and those of the entire Chinese people, and translate our inexhaustible love for the motherland into concrete actions to contribute

to national prosperity and rejuvenation and social wellbeing. As we try to build ourselves into a great enterprise offering greater benefits the people, we always put their interests first place, shoulder our responsibilities, and continue to show our deep love for the Chinese people, as well as those in the rest of the world, to deliver a better life for all.

To bring more benefits to the people as instructed by President Xi, we must give full play to the backbone role in tough times. In early 2020, in the face of the sudden outbreak of COVID-19, we worked proactively and went all out to ensure the supply of electricity, gas, and heating to Hubei Province, meeting a third of the province's total demand. We were among the first to make donations and deliver aid where it was most needed, and also one of the first in the industry to resume project construction and thus help to stabilize employment, contributing to "stability on six key fronts and security in six key areas". With the cascade reservoirs system centered on the Three Gorges Reservoir, we managed to withstand the test of the most severe flood peak since the Three Gorges Reservoir was built, greatly enhancing flood control on the middle and lower reaches of the Yangtze River and effectively protecting people's lives and their property. In targeted poverty alleviation, we tailored our policies to local conditions, made genuine investment and input and delivered substantial outcomes. With our help, four state-designated poor counties: Wushan and Fengjie of Chongqing, Wan'an in Jiangxi Province, and Baarin Left Banner in Inner Mongolia, three ethnic minorities with a small population in Yunnan province and

the Yi ethnic people in Liangshan of Sichuan Province, all managed to emerge from poverty. The Wudongde, Baihetan and Changlongshan hydropower stations were completed up to high standards, consolidating our competitiveness in the hydropower sector. Meanwhile we continued to lead the development of offshore wind power and improved our onshore new energy business, in a bid to ensure our carbon emissions peak by 2023 as an important step to achieving carbon neutrality by 2040. We will strive to build a clean, low-carbon, secure and efficient energy mix and help China achieve its goals of achieving a carbon peak and then carbon neutrality. The well-coordinated environmental conservation of the Yangtze River is always on top of our agenda. In 2020, we stepped up ecological restoration in the Yangtze River Basin while advancing the energy revolution, explored paths to green traditional industries and development of an the ecological conservation industry, and made headways in promoting joint, well-coordinated environmental conservation of this vital waterway. The Three Gorges water treatment model has now been spread to the rest of the country.

To bring more benefits to the people as instructed by President Xi, we must uphold the vision of a community with a shared future for all humanity. We are not alone on the Great Way, for and the whole world is one family. The COVID-19 pandemic has brought home to the world the importance of building a community with a shared future for all humanity. A world-class enterprise should have the interests of the entire world in the mind. In 2020, CTG lent its hand to the fight against the virus outside China and made every effort to protect

our overseas project teams from the virus. Together with our foreign partners, we donated RMB 58.78 million worth of protective materials to Portugal, Peru, Brazil and Pakistan to support local coronavirus control and economic and social recovery. The *Paris Agreement* on combating climate change represents the global trend of green and low-carbon transition. CTG has strengthened its international cooperation on clean-energy production, and is building an international clean-energy corridor under the Belt and Road Initiative, to support the post-COVID-19 transition to low-carbon energy and to achieve the goal of sustainable energy for all. By so doing, we hope to contribute to the implementation of the UN 2030 Agenda for Sustainable Development and to the wellbeing of people around the world.

In 2021, Baihetan Hydropower Station will put its first group of generating units and Wudongde Hydropower Station all its remaining units into operation to generate electricity - two further milestones in CTG history. In this year, we will remain true to our original aspiration and keep our mission firmly in mind, work hard to realize a two-pronged strategic business layout featuring clean energy development and eco-environmental protection of the Yangtze River, and actively give full play to our "Six Roles". We will continue to enhance the benefits for the people, and strive to contribute more to promoting green and low-carbon development, building a better home for humanity and better serving the people all over the world.

# An Interview with the President



韩君

Han Jun

Director of the Board, President and Deputy Secretary of  
Party Leadership Group of China Three Gorges Corporation

## Amid the COVID-19 pandemic, how has CTG been playing its role as a “pillar” in advancing “stability on six key fronts and security in six key areas”?

CTG actively took on the responsibility as a central SOE, rising to meet difficulties, and acting proactively. We mobilized the human power and resources of the whole group to support the battle against COVID-19 in Wuhan and Hubei Province, and were one of the first among the central SOEs to make donations to the cause. We donated RMB 170 million and more than 250,000 pieces of medical protective equipment to Hubei Province, and also donated RMB 58.78 million worth of protective materials to foreign countries. We supplied a third of the electricity, natural gas, and heat consumed by Hubei Province. We were among the first to resume work and production, launching a number of new energy projects and projects and those that promote well-coordinated environmental conservation along the Yangtze River. We planned to implement investment projects worth more than RMB 200 billion in Hubei, and comprehensively strengthened the measures to keep the payroll stable and create more jobs on the premise of pandemic control, playing a demonstrative and leading role in raising employment. We have released recruitment plans with more than 5,700 jobs, and made solid progress in poverty alleviation. Through all these efforts, we have fully demonstrated the role of central enterprises as the “stabilizer” and the “ballast stone” of the Chinese economy.

## In a year of a decisive victory for the poverty alleviation, what key measures did CTG take, and what results did it achieve?

CTG unswervingly contributed to the decisive victory for poverty alleviation, with its Party Leadership Group providing overall guidance. The accountability leading group developed the overall plans, and all departments and organizations undertook concerted efforts. Built upon the spirit to prevail and pragmatic measures, we have accomplished all the annual targets and tasks. We invested more than RMB 1.7 billion in poverty alleviation funds throughout the year, and implemented 275 poverty alleviation projects in total. In the first quarter of 2020, we appropriated all the funds for poverty alleviation in national targeted poor counties at one time, which helped four national targeted counties, one county in the partnership assistance program launched by the central government, a number of provincial-level poor counties, and four ethnic minorities get rid of poverty. Last year, we purchased and supported the sale of RMB 66.31 million worth of agricultural products from poor areas, which effectively prevented local farmers from slipping back into poverty due to the COVID-19 pandemic. We made solid progress in providing assistance for resettled residents from reservoir areas, as well as aiding Tibet, Xinjiang, and Qinghai. We continued to develop public welfare projects, such as the Three Gorges Seed Fund and those aiming to lift people out of poverty through education and medical services.

## What role did the Three Gorges Project play in the face of a catastrophic flood unseen in a century in the Yangtze River Basin? What benefits did it bring as a key water conservancy project?

In the flood season of 2020, CTG put people's interests and lives first. We resolutely obeyed the State's overall planning on flood control, adhered to the principle that power generation regulation must follow water regulation, and fully leveraged the role of the cascade hydropower plants in flood control and peak reduction. The cascade hydropower plants along the mainstream of the Yangtze River and the Qingjiang River retained a total of 38.8 billion m<sup>3</sup> of flood water. We issued accurate flood warnings when the largest flood peak was about to pass, and scientifically coordinated cascade reservoirs for joint dispatching. We intensified inspections to cater for navigation needs. The role of the Three Gorges Dam to retain and store floodwater and reduce the peak flooding helped us effectively avoid the use of diversion and storage areas along the Jingjiang River and saved 600,000 people living in the flood diversion areas from having to face evacuation, and prevented 32,867 hectares of arable land and more than 6,667 hectares of aquaculture waters from being flooded. Thanks to the concerted flood control and storage in the cascade reservoirs of Wudongde-Xiluodu-Xiangjiaba along the Jinsha River, the water level at the Chongqing Cuntan Hydrometric Station was lowered by more than two meters, and the flood prevention pressure in the Yangtze River's middle and downstream areas was greatly eased. The cascade reservoirs have provided basic guarantees for the development of the Yangtze River Economic Belt.

## How has CTG fulfilled its mission in the well-coordinated environmental conservation of the Yangtze River as a key role together with provinces and cities along the river?

CTG prioritizes ecological conservation, pursues green development, and makes all-out efforts to protect the Yangtze River. Our efforts in this respect have covered all 11 provinces and municipalities directly under the Central Government across the basin. The five major business platforms are operating well, with the special funds fully utilized. The water treatment programs in the four pilot cities have begun to show early results. We have promoted the “Three Gorges Model” for urban sewage treatment across the board, and also established the “Capital Plus” model in the areas along the river. We initiated the Developer Alliance of the Yangtze River Delta Eco-Green Integration Development Demonstration Zone, and nearly a hundred businesses have joined the Yangtze Ecology and Environmental Industry Alliance. By the end of 2020, CTG has signed 109 agreements with local governments along the Yangtze River on promoting well-coordinated environmental protection of the river, with total investment of RMB 155 billion, directly serving 17,700 km<sup>2</sup> of urban areas and benefiting 23.11 million people.

## In the face of various difficulties and challenges, how did CTG reach new heights in various indicators of business development?

Faced with various risks and challenges, CTG resolutely fought against the COVID-19 pandemic and floods, stabilized growth and also launched groundbreaking measures for reform and development, ensuing remarkable strategic results and overfulfilled all the annual production and business objectives in 2020. With 12.66 GW of new installed capacity, we generated 330.5 TWh of electricity throughout the year, with total assets close to RMB one trillion. We have achieved all the goals for the 13th Five-Year Plan period, and made contributions to China's efforts to ease the downward pressure on the economy and boost economic growth.

## President Xi Jinping proposed that China aims to peak CO<sub>2</sub> emissions before 2030 and achieve carbon neutrality before 2060. How will CTG contribute to the two goals?

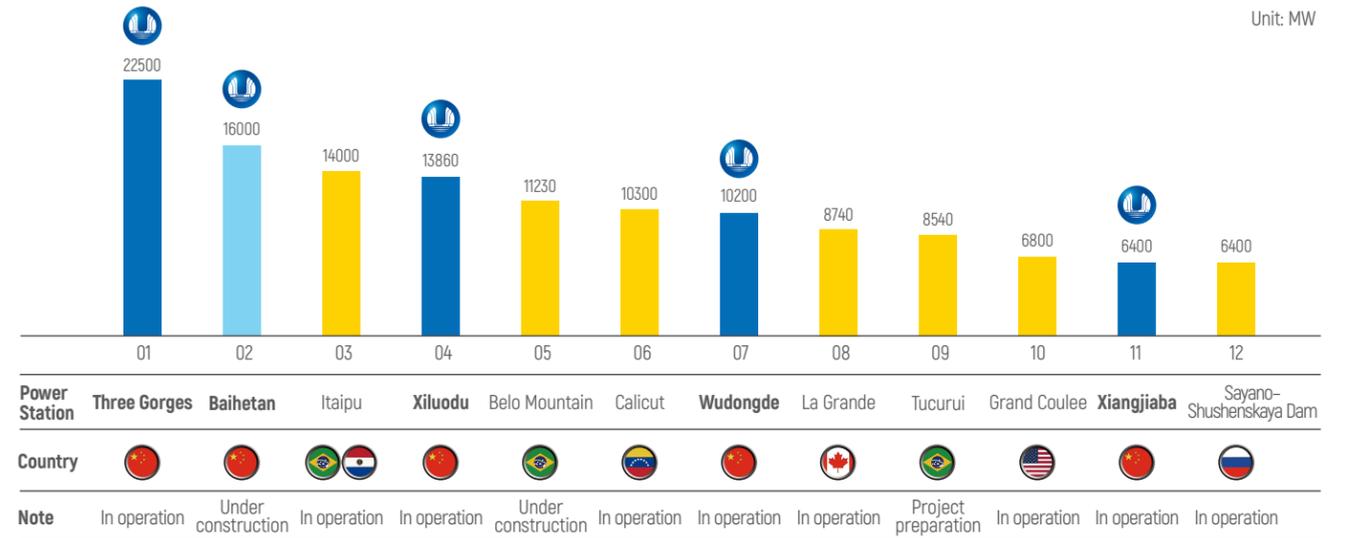
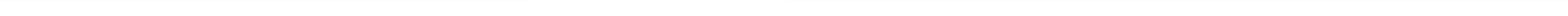
As the world's largest hydropower developer and operator and China's largest clean energy group, CTG boasts a total installed capacity of which 95% is from clean energy sources, and the electricity from clean energy is equivalent to saving nearly one billion tons of standard coal. CTG will continue to leverage its advantages in the clean energy sector, and will accelerate the utilization of other clean energy sources such as wind power and solar power while consolidating hydropower generation, thus promoting the upgrade and innovative development of the clean energy sector. We will step up efforts to develop green finance for achieving our energy conservation and emission reduction targets through hydropower generation. We strive to reach a peak in CO<sub>2</sub> emissions before 2023 and achieve carbon neutrality before 2040, thereby making greater contributions to national energy security and high-quality development.

# About CTG

China Three Gorges Project Corporation was founded on September 27, 1993 with the approval of the State Council. On September 27, 2009, it was renamed as China Three Gorges Corporation (CTG). Following a restructuring of its corporate system, CTG became a solely state-owned company headquartered in Beijing. CTG's strategic positioning is to actively serve the major national strategies such as the development of the Yangtze River Economic Belt and the "Belt and Road Initiative"; play a backbone role in the integration into the Yangtze River Economic Belt in an in-depth manner and the well-coordinated environmental conservation in the Yangtze River Basin; provide basic guarantee for promoting regional sustainable development; take the lead in promoting the upgrade and innovation of the clean energy industry; and continue deepening the reform of the enterprise so as to speed up the process of developing CTG into a world-class transnational clean energy group with strong innovation capabilities and global competitiveness. Committed itself to the main business of clean energy, CTG has formed eight business segments, namely project construction and consultation, power generation and operation, river basin cascade dispatching and comprehensive management, international energy investment and contracting, ecological & environmental protection investment and operation, new energy development and operation management, capital operation and financial services, and asset management and base services. After 27 years of development, our business covers 31 provinces, autonomous regions and municipalities in China. We also expand footprints to over 40 countries and regions around the world, realizing leapfrog development from the Three Gorges to the Yangtze River, from Hubei Province to the whole country, from inland to the ocean, and from China to the world. In December 2018, CTG was included in the list of pilot central SOEs for building world-class model enterprises.

**The largest hydropower developer and operator in the world**  
**The largest clean energy group in China**

<p><b>35.52<sup>TWh</sup></b> Annual power generation overseas</p>	<p><b>40</b> Countries (regions) covered by CTG clean energy and sustainable infrastructure projects</p>	<p><b>RMB 58.78 million</b> Total value of anti-COVID supplies donated overseas</p>
<p><b>87.6<sup>GW</sup></b> Consolidated installed capacity in operation</p>	<p><b>26.73<sup>GW</sup></b> Installed capacity under construction</p>	<p><b>26.19<sup>GW</sup></b> Minority-equity based capacity</p>
<p><b>17.24<sup>GW</sup></b> Cumulative installed capacity of new energy</p>	<p><b>330.5<sup>TWh</sup></b> Annual power generation</p>	



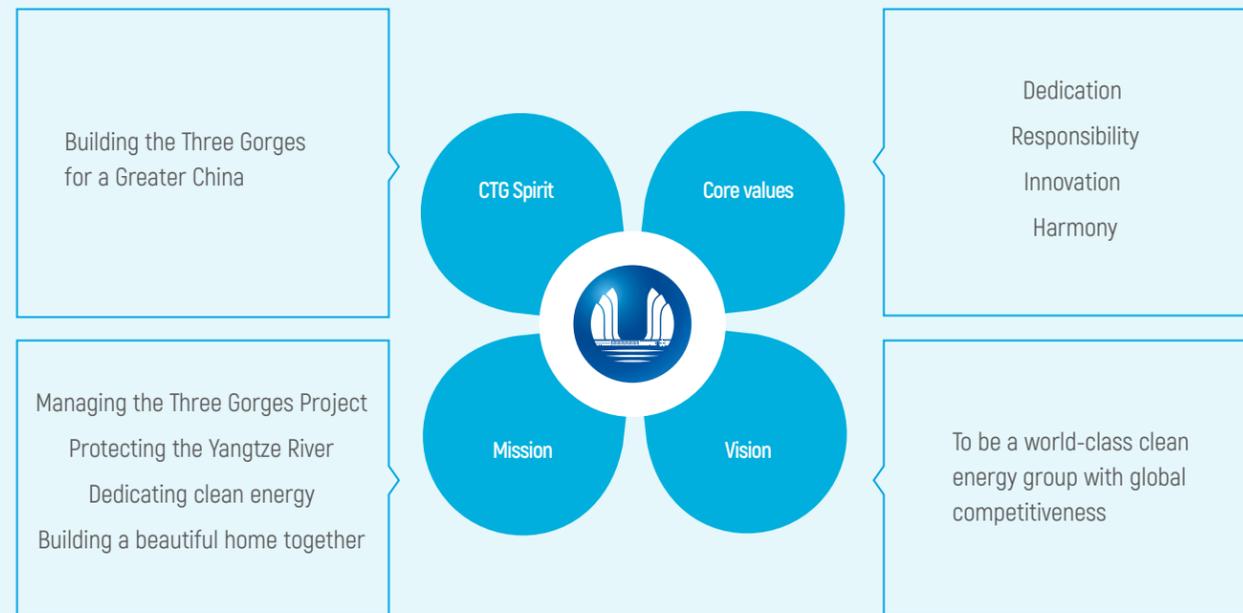
5 of the top twelve hydropower stations in the world will be built, operated and managed by CTG.

## Development Strategy

We adhere to the general principle of seeking progress while maintaining stability, and adhere to the new development philosophy for pursuing high-quality development. Focusing on supply-side structural reform, we maintain reform and innovation in line with our strategic development positioning, and strive to realize a two-pronged strategic business layout featuring clean energy development and eco-environmental protection of the Yangtze River region, and give full play to our "Six Roles" in building a world-class enterprise.



## Core Philosophy



## Six Roles

Play a fundamental role in guaranteeing and furthering the development of the Yangtze Economic Belt

Play a backbone role in promoting well-coordinated environmental conservation in the Yangtze River Basin

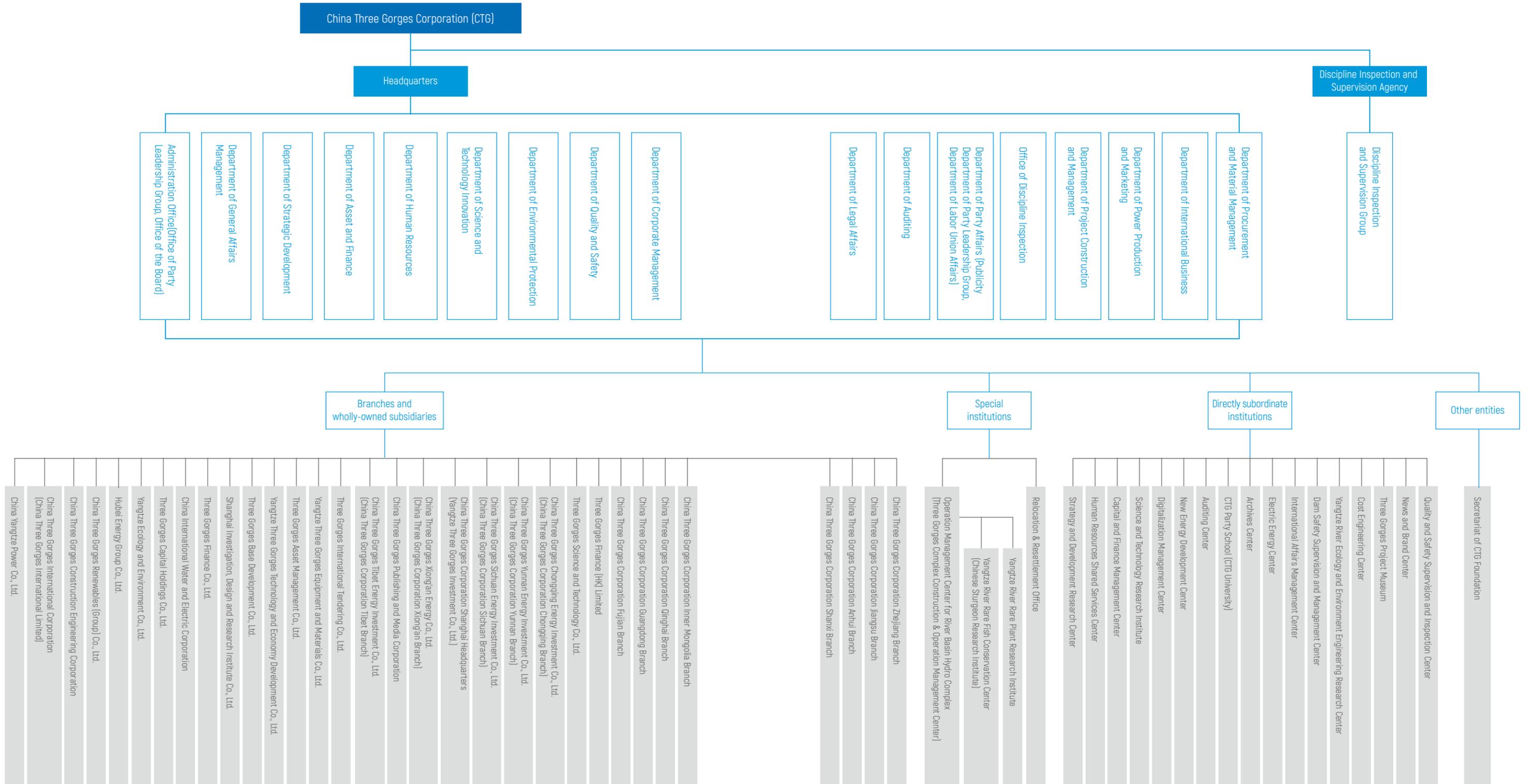
Play a leading role in China's hydropower industry to "go global" endeavour

Play a constructive role in promoting the industrial upgrading of clean energy

Play a demonstrative role in deepening SOE reform

Play an exemplary role in assuming social responsibility

# Organizational Structure



## Corporate Governance

We revised and implemented the *Measures for the Implementation of the "Three Majors and One Large" Decision-making System*, the *Administrative Measures for the Authorization of the Board of Directors*, and the *Work Rules for the Party Leadership Group*, to better regulate the division of powers and responsibilities as well as the operation of the corporate governance structure, and optimize our scientific and efficient decision-making system. Giving full play to the Party Leadership Group's role in determining the developmental direction of development, managing the overall situation, and promoting the implementation of major policies, the Board of Directors' role in developing strategies, making decisions, and preventing risks, and the management's role in guiding business operations, supervising the implementation of major policies, and enhancing management capabilities, we can ensure that all governance bodies fully undertake their due responsibilities without "crossing the line".



Lei Mingshan, Board Chairman



Han Jun, Director of the Board



Lei Mingshan, Secretary of the Party Leadership Group and Board Chairman



Han Jun, Director of the Board, President and Deputy Secretary of Party Leadership Group of China Three Gorges Corporation



Wang Yilin, External Director/Outside Director



Xia Dawei, External Director/Outside Director



Qu Dazhuang, External Director/Outside Director



Wang Liangyou, Member of Party Leadership Group, Executive Vice President



Fan Xiaxia, Member of Party Leadership Group, Executive Vice President



Zhang Dingming, Member of Party Leadership Group, Executive Vice President



Mi Shuhua, External Director/Outside Director



He Guangbei, External Director/Outside Director



Cai Yongzhong, Employee Director



Chen Ruiwu, Head of Discipline Inspection Team, Member of Party Leadership Group



Zeng Yi, Member of Party Leadership Group, Chief Financial Officer (CFO)



Lv Tingyan, Member of Party Leadership Group, Executive Vice President

Board members

Management staff

## Excellent Operation

### Law-based Management

**Improving the construction of compliance organizations:** Compliance Committee has been set up to coordinate and implement compliance management.

**Improving the compliance system:** CTG has formulated the *Compliance Manual* and the *Guidelines for Compliance Management of Eco-environmental Protection* to strengthen compliance management throughout the whole lifecycle. We have also compiled the *Administrative Measures for Compliance Management of Overseas Operations* to ensure the global coverage of our compliance management system.

**Strengthening compliance risk management:** CTG has made and constantly updated its *Risk Management and Control List*. Besides, the risk grading standard has been improved and a risk management information system established. We have also proactively responded to major overseas compliance risks according to our compliance risk response plans targeting overseas operations.

**Strengthening compliance audit and supervision:** CTG continues to strengthen the audit and supervision of the implementation of major policies, key production and operational areas, high-risk areas, and key internal control links. We support the National Audit Office's audits regarding use of the fund for the relocation project related to construction of the hydropower station downstream on the Jinsha River and construction of the Baihetan Hydropower Station.

**Promoting law-based corporate governance:** In compliance with the arrangements and requirements of the State-owned Assets Supervision and Administration Commission of the State Council (SASAC) for the construction of law-abiding central SOEs, CTG has made every effort to provide legal services for project construction, resolved legal disputes in an appropriate manner, and carried out legal education and training actively to create a new era of law-based corporate governance.

**Enhancing compliance training:** CTG has carried out compliance management training to enhance awareness of all employees and launched the Three Gorges Compliance Forum to foster a compliance culture with Three Gorges characteristics.

### Quality and Safety

0

Annual employee fatalities

0

Annual major equipment accidents

Xiluodu, Xiangjiaba, Gezhouba, and Wudongde Hydropower Stations guaranteed "zero unplanned power outage" in 2020.

#### Carrying out special actions on quality and safety

We have made arrangements for eight key tasks and developed 141 specific measures that focus on establishment and staffing of safety management organizations, and established a reward and punishment system for safety-related matters. Through the Yangtze River Protection Quality Improvement Year and related quality improvement activities, we have completed 18 key tasks in five areas, effectively improving the quality of projects related to the protection of the Yangtze River.

#### Establishing a sound quality and safety management system

CTG has promoted quality improvement actions and the reform and development of work safety in all aspects, and improved the quality and safety management system to fully tap its potential in motivating and restraining employees. We have upgraded the "QEOMS" system (Quality, Environment, Occupational Health & Safety) covering all CTG's main businesses, business processes, and affiliated institutions.

#### Prevention and control of quality and safety risks

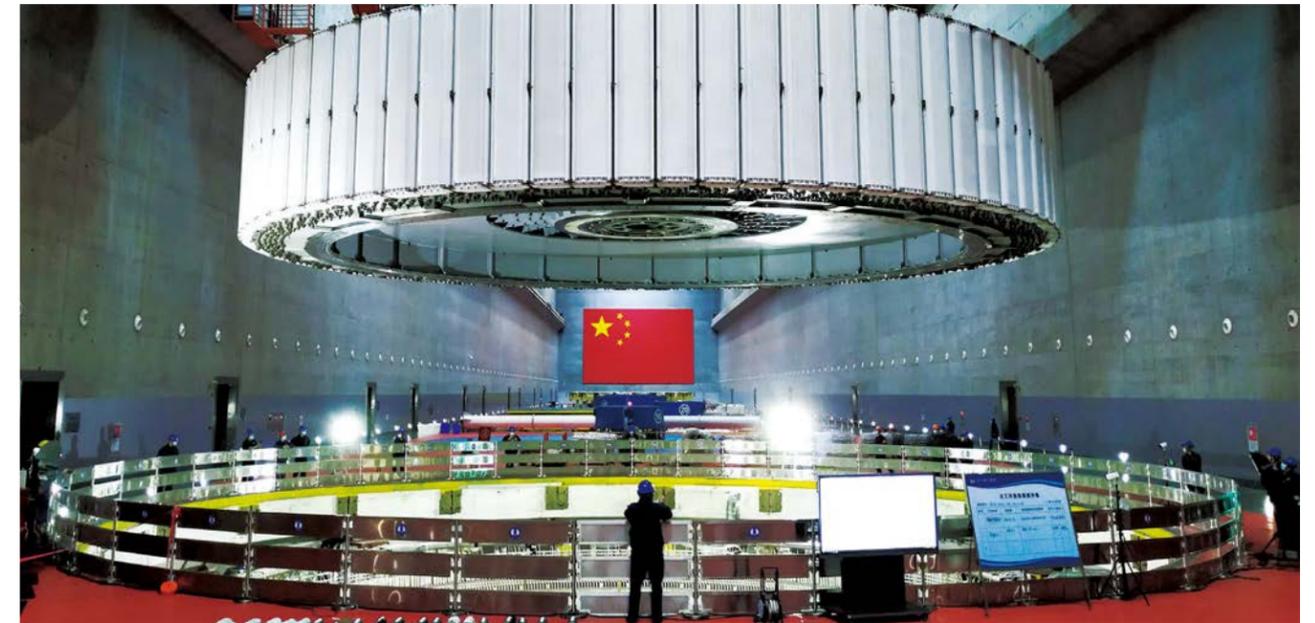
CTG continues to strengthen the dual prevention mechanism comprising hierarchical risk control and hazard investigation and management, and advances risk prevention to the earliest process. We eliminate quality and safety hazards through effective risk control and hazard investigation, and effectively prevent and resolve major risks.

#### Strengthening quality and safety supervision and inspection

CTG has set up a quality and safety supervision and inspection center. This center aims to strengthen the rectification of problems and the investigation and rectification of similar problems by circulating notices of criticism for wrongdoings and violations at monthly quality meetings, directly supervising the handling of problems and so on, effectively supervising the fulfillment of quality and safety responsibilities.

#### Creating a quality and safety culture

CTG holds comprehensive training on quality management and work safety emergency management to enhance staffs' quality and safety management capabilities and skills. We organize quality and safety activities, such as quality competitions and special lectures on work safety, to fully enhance employees' awareness of safe development.



Annual overhaul of the Three Gorges Hydropower Station

#### Case: Taking measures to build the safest power station

Work safety has always been the top priority during the operation of the Three Gorges Hydropower Station under China Yangtze Power Co., Ltd. It has built a strong defense line for work safety by revising 10 safety management systems throughout the year. The company investigated hazards conscientiously and eliminated 28. In addition, it organized safety training on 16 topics throughout the year, effectively enhancing employees' safety awareness and maintaining a good work safety atmosphere. The station registered new records in the total hours of full-capacity operation and the total amount of power generated, and has been striving to build the safest power station possible.



Equipment inspection

## Responsible Procurement

Guided by the principle of "fairness, justice and transparency", we carry out mutually beneficial cooperation to boost the entire industry's development. By optimizing the bidding and procurement process and supplier management, we strive to build a responsible supply chain.

### Supplier management

We continue to optimize supplier management and have established a relevant management system. Besides, we carry out credit rating and training of suppliers, and further promote the application of supplier evaluation results in the bidding and procurement process. At the 2020 online supplier conference, we introduced to suppliers the requirements of bidding and procurement management, quality and safety management, and clean government management, thus helping supplier enhance their capabilities.



### Transparent procurement

We compiled and revised 15 systems covering bidding and procurement, contracts, and material management, and compiled 15 new procurement regulations in 2020. Our bidding and procurement authorization and management process was comprehensively enhanced, and the upgraded electronic procurement platform completed its trial run. We preliminarily built up an intensive material management system, improving the overall efficiency of the supply chain.

## Technological Innovation

CTG has deepened the reform of the S&T system and strengthened the integration of internal and external S&T innovation resources. In addition, efforts have been made to optimize the overall management of scientific research projects, and increase investment in R&D projects. The application of technological achievements and the protection of intellectual property rights are also comprehensively strengthened. By so doing, we have won numerous scientific and technological achievements.

## Enhancing Comprehensive Management of R&D Projects

We have optimized the management of R&D projects by improving the incentive mechanism and the coordinated development of R&D projects, encouraging employees to make S&T innovations, and appropriating sufficient grants for R&D work, thus effectively promoting technological innovation.

### An open competition mechanism

We sort out basic, strategic, and forward-looking projects highly relevant to the development strategy of CTG, to which we apply an open competition mechanism based on the project guide to encourage employees to take a leading role in technological breakthroughs.

### Implementation of key special projects

We solicit key special projects among CTG's subsidiaries while increasing and regulating our grants for demonstration projects related to key generic technologies, import substitution, and the application of major technological achievements.

### Strengthening autonomous rights in science

Project managers can adjust the research plan and technology roadmap based on a fixed research direction and up-to-standard assessment indicators according to the progress of a project. They should be enabled to have a greater say in budgeting and be able to adjust the use of project funds within the same type of budgets.

75

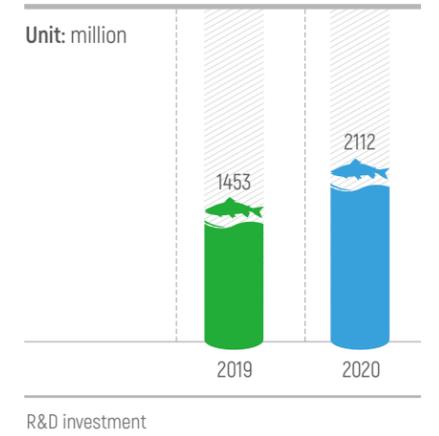
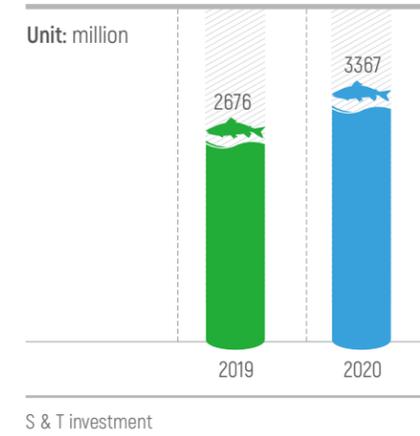
Public collection of key projects

993

S&T achievements rewarded

## Increasing R&D Investment

CTG fully implements the government's requirements for rectifying problems found in inspections and audits and increases R&D investment by various means. We increase budgetary estimates, production and operational costs, and management costs, by increasing related investment in R&D.



## Deepening the Reform of S&T System and Mechanism

To build a more innovative team, we have increased the amount of bonus for S&T achievements and included S&T-related work into the performance appraisal of some departments and subsidiaries. By deepening the reform of the S&T system and mechanism, we aim to unleash employees' enthusiasm for S&T innovation.

## Building Innovation Capacity

Aligning with the innovation-driven development strategy, we seek to coordinate the rich S&T resources of the government, companies, universities, and research institutes, and have stepped up our efforts to develop independent innovation platforms, and improve those of collaborative innovation platforms. We have established multi-disciplinary technological innovation platforms at the national, provincial, ministerial, and enterprise levels.

2

National-level technological innovation platforms

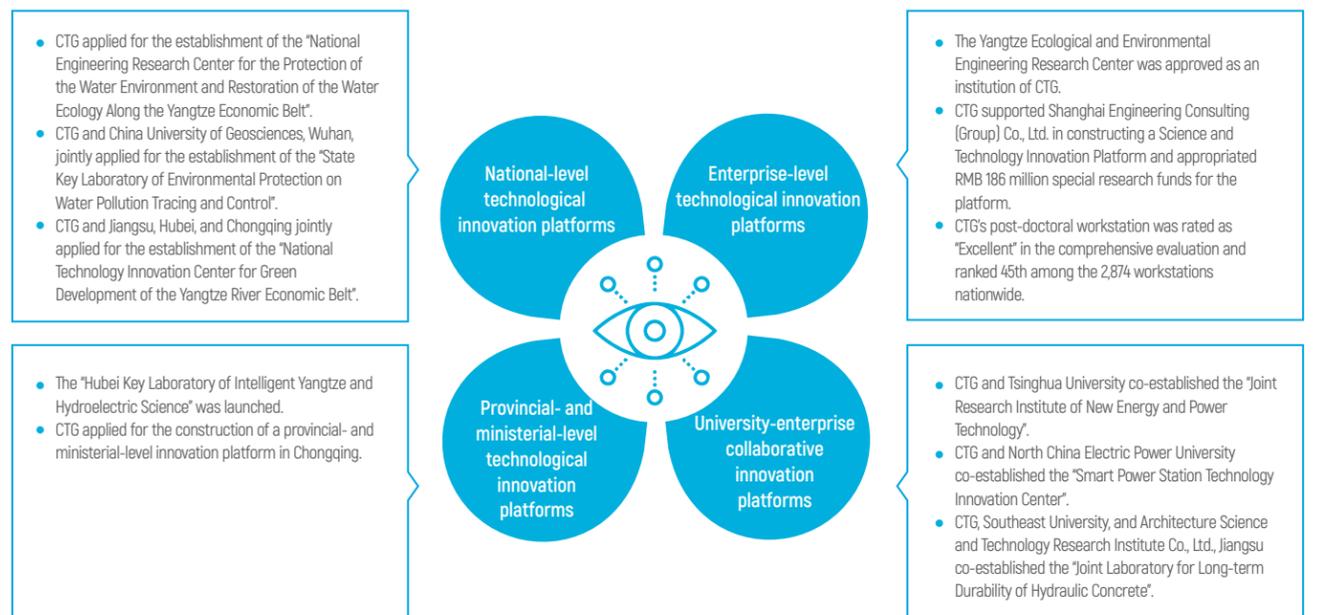
7

Provincial- and ministerial-level technological innovation platforms

7

Enterprise-level technological innovation platforms

Note: As of the end of 2020.



25

Provincial-, ministerial-, and industry-level technical awards

### Tackling Key Technological Problems

Through original and integrated innovation, we have tackled key technological problems and made significant breakthroughs in the construction, production and operation of hydropower projects, new energy development, and the protection of the Yangtze River, with many major achievements.

Undertaking major national projects

- CTG undertook the national key R&D project during the 13th Five-Year Plan period – The Demonstration Project of Integrated Treatment of Multi-source Sludge in Typical Cities from the Yangtze River Economic Belt. Along with other organizations and institutions, CTG successfully applied for seven key projects funded by the National Natural Science Foundation of China.

- CTG, National Natural Science Foundation of China, and the Ministry of Water Resources co-established the "Yangtze River Hydrosience Joint Fund".
- CTG and the Ministry of Ecology and Environment co-establish the "Joint Research Fund for Eco-environmental Protection and Restoration of the Yangtze River".
- CTG and the Changjiang Water Resources Commission jointly set up the special S&T project of "Research on Key Technologies of the Operation and Dispatching of the Three Gorges Reservoir".

Bringing government and social resources together

Enterprise-level technological breakthroughs

- Centered on a two-pronged business strategy featuring clean energy development and eco-environmental protection of the Yangtze River, we promoted enterprise-level technological breakthroughs and set up 85 projects in eco-environmental protection, water conservancy and hydropower application, new energy, and other fields with a total investment of RMB 864 million.

Compiled or coedited by CTG in 2020

17

National standards

10

Industry standards

5

International standards

#### Case: Successful trial run of the "One-button A-Category Black Start" project of the Xiangjiaba Hydropower Station

On December 11, 2020, CTG successfully carried out the "One-button A-Category Black Start" experiment on the giant hydro-turbine generator units in Xiangjiaba Hydropower Station. It is the first successful black start experiment done with "hybrid EPS + batteries". In the event of an outage across the power station, it took only four minutes and 28 seconds to restore power supply in the power station and help the grid to recover. It is the shortest time to black start large hydro generating units, which could minimize economic losses caused by power outages.

### Protection of Intellectual Property Rights

CTG strengthens the protection of intellectual property rights (IPRs) through overall planning and effective management and protects IPRs throughout the entire lifecycle of research projects from project approval to acceptance. Through patent mining and international patent applications, we have further increased the number and quality of our patents and unleashed employees' ability to innovate and promote the creation of a new development pattern.



The first domestic suction tube jacket turbine in Yangjiang City, Guangdong Province



# CSR Features

## Feature I: Fighting COVID-19



In 2020, CTG always put the people's interests first - nothing is more precious than people's lives. We unswervingly took on our social responsibilities for ensuring stability on the six fronts and security in the six areas. Giving full play to the role of central enterprises as the "stabilizer" and the "ballast stone" of the Chinese economy, we made all-out efforts to fight the pandemic.

### Fulfilling the Mission of Defeating COVID-19 with Solidarity



RMB **170 million**  
Total donations to Hubei Province during the pandemic

Over **250,000** pieces  
Medical protective equipment donated by CTG

RMB **16.07 million**  
Rent reductions for 322 medium-sized, small and micro enterprises

RMB **58.78 million**  
Total value of anti-COVID-19 supplies donated to Portugal, Peru, Brazil and Pakistan

### Creating More Jobs to Ensure Livelihoods

Promoting employment by launching targeted recruitment programs



**2,744**  
College graduates recruited in 2020

**123%**  
Year-on-year growth

**1,300**  
Experienced workers recruited in 2020

**145%**  
Year-on-year growth

**330**  
Employees from impoverished areas in 2020

**146,000**  
Migrant workers employed for projects under construction

Promoting employment with stable investment

**25**  
New energy projects launched

**17,000**  
Jobs created by the construction of new energy projects

RMB **58 billion**  
Total investment in new energy projects

### Meeting People's Power Supply Needs

In the first five months of 2020

**15.33 TWh**  
Total amount of electricity transmitted to Hubei Province

**298,200 tons**  
Total heating supply

**1,750,300 tons**  
Total amount of coal transported

**688 million SCF**  
Total amount of natural gas transported



Ezhou Power Plant of the Hubei Energy Group Co., Ltd. was awarded the honorary title of "Outstanding Collective of Central SOEs in Fighting COVID-19".

Yang Peng, a shift leader from the Operation Department of Three Gorges Hydropower Station of China Yangtze Power Co., Ltd., a subsidiary of CTG, was awarded the honorary title of "National Outstanding Individual in Fighting COVID-19 and National Outstanding Communist Party Member".

### Boosting the Resumption of Work and Production as a Responsible Central SOE



RMB **32.354 billion**  
Investment in environmental conservation in the Yangtze River Economic Belt in Hubei Province

CTG donates special funds amounting to RMB **500 million** to Hubei Province for the treatment of waters and regions along the Yangtze River that were affected by COVID-19 (including water environment treatment and water ecological restoration)

RMB **104 million**  
Investment in supporting the resumption of work and production of the Yangtze River environmental conservation projects



Medical workers were sent to aid Pakistan for pandemic prevention and control

# Feature II: Winning the Battle Against Poverty



CTG vigorously fulfills its corporate social responsibility, and has made solid progress in supporting targeted poverty alleviation and aiding Xinjiang, Tibet, and Qinghai, as well as for ethnic minorities in Sichuan and Yunnan and resettled residents from the reservoir areas. At the same time, we keep promoting the well-coordinated environmental conservation of the Yangtze River and a range of social welfare programs.

We have helped four national targeted counties, one county under the pairing assistance program launched by the central government, a number of provincial-level poor counties, and four ethnic minorities to get rid of poverty. These ethnic groups include Nu, Pumi, Jingpo, and also the Yi people living in Liangshan, Sichuan.

RMB **8.64** billion  
Total contribution in poverty alleviation over the years

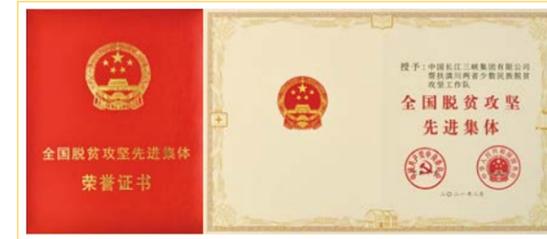
**1,420**  
Poverty relief projects launched by CTG

**150**  
Counties (cities, districts) that have benefited from CTG's poverty alleviation efforts

RMB **1.064** billion  
Total funds contributed to the Central SOEs Industrial Investment Fund for Poor Areas

The working group that helped the ethnic minorities in Yunnan and Sichuan get rid of poverty won the honorary title of "National Outstanding Collective in Poverty Alleviation".

Wang Ronggang, who was sent to work as a vice magistrate of Wushan County, was awarded the title of "National Outstanding Individual in Poverty Alleviation".



Providing people access to education and helping them build aspirations

RMB **720** million  
Total contribution in poverty alleviation through education improvement

**172**  
Kindergartens, elementary schools, middle schools, and vocational schools that have been built or expanded

**10** consecutive years  
The "Summer Camp for Children from the Reservoir Area to Three Gorges" has been held

Improving Basic Healthcare Services

RMB **300** million  
Total contribution in medical services in impoverished areas

**44**  
County hospitals, and health clinics in towns and townships that have been built with funds from CTG

**58**  
Village clinics that have been built or expanded

Ensuing Housing Supply and Support

RMB **1.2** billion  
Total contribution in housing projects in poor areas

**40,000**  
Households that have benefited from residences built or renovated by CTG

Improving Infrastructure for a Convenient Life

**104**  
Rural roads built or improved

**60**  
Drinking water projects for humans and domestic animals repaired

**52**  
Water supply and drainage projects newly built

Alleviating Poverty Through Agricultural Support

RMB **18** million  
Total amount of funds donated through the "Three Gorges Seed Fund"

**40,000** people  
Beneficiaries (including workers and those who have been indirectly benefited) of the "Three Gorges Seed Fund"

Stabilizing Employment Through Skill Improvement

**5,749**  
Poverty alleviation officials trained

**19,795**  
Participants in skills training programs

Consumption-driven Poverty Alleviation According to Market Demand

**1,000** households  
Total number of households assisted by CTG with the sale of unsalable produce

RMB **21.31** million  
Total value of agricultural products purchased through online platforms

RMB **68** million  
Total value of agricultural products (such as plums produced in Wushan) purchased by cooperative units and social organizations

Note: Data on this page as of the end of 2020.

# Feature III: Fighting the Catastrophic Floods

Since the flood season in 2020, heavy rains had led to floods severely affecting the Yangtze basin and its tributaries. That round of floods was described as the third worst since the founding of the People's Republic of China, only following the floods in 1954 and 1998. The inflow flood peak of the Three Gorges project reached 75,000 m<sup>3</sup> per second, the largest volume since it was opened in 2003. While fighting the floods on the front line, CTG adhered to the principle of "putting people's interests and lives first" and strictly followed the instructions from the State Flood Control and Drought Relief Headquarters and the Yangtze River Flood Control and Drought Relief Headquarters. We fully leveraged the role of the cascade reservoirs in flood control and storage to secure a victory over the floods in the Yangtze River Basin and protect people's lives and property.

## Prompt Response

We established a sound flood control mechanism comprising the *Flood Control Work Plan 2020* and the *Jinsha River Downstream - Three Gorges Cascade Hydropower Plants Flood Control Manual* to ensure the effective implementation of flood control measures.

## Accurate Forecasting and Early Warning

We accurately anticipated floods, and issued and responded to **ten** flood warnings. In 2020, the 24-hour flood forecast accuracy of the Three Gorges Reservoir reached **98%**.

## Scientific Coordination

Through scientific coordination of the cascade reservoirs, we confronted the floods by organizing **nine** single-reservoir operations and operations of coordinated reservoirs, and successfully withstood five numbered floods.

## Strengthening Inspection

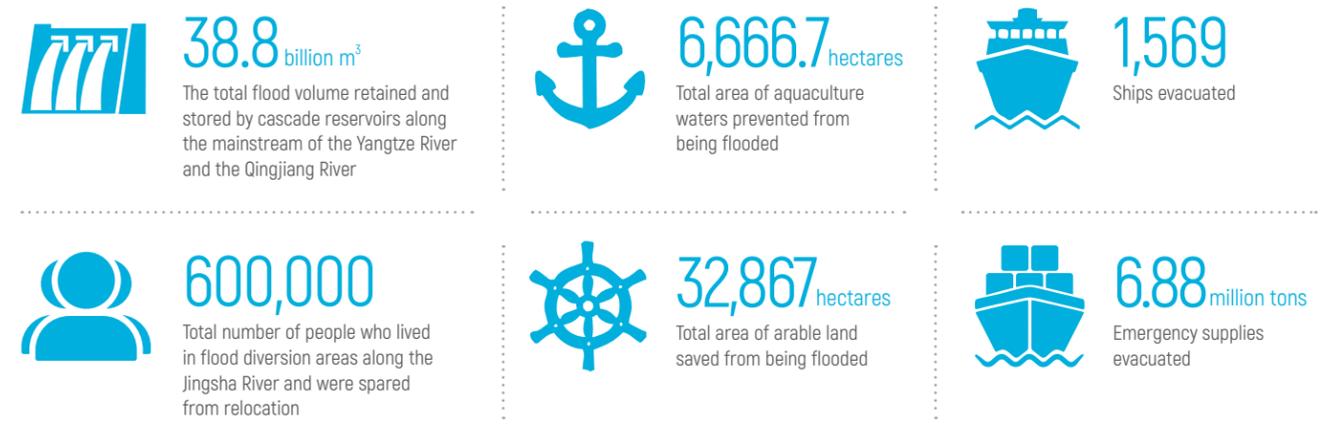
We carried out special safety inspections of equipment and facilities, reservoir slopes, etc., and strengthened the monitoring of spillway structures to ensure their good condition during the flood season.

## Meeting Navigation Needs

We formulated scientific plans and measures to create favorable conditions for the evacuation and navigation of ships in the Three Gorges Dam - Gezhouba Dam section.

### Note

A water inflow of **75,000** m<sup>3</sup> per second can fill up a West Lake in about **three** minutes, and a Taihu Lake in about **16** hours.



Three Gorges Dam, the guardian of the Yangtze River

## Feature IV: Clean Energy for "Green Winter Olympics"

In 2020, CTG was announced as the Official Electricity Generation Partner of the Olympic and Paralympic Winter Games Beijing 2022. CTG is committed to providing clean energy to light up the events and promote the development of a beautiful China. We will totally fully fulfill our responsibilities by exerting our strengths and taking concrete steps in implementing the concept of "powering Beijing 2022 with clean energy". It is hoped that the corporation will convey to the world China's commitment to hosting a green Olympics and pursue overall green development, and make new contributions to the development of China's clean energy industry and ecological civilization. The glorious history of the Olympics for more than a century shines more brilliantly with the Chinese people's dream of developing the Yangtze River for nearly 100 years. The Olympic motto, *citius, altius, fortius* (faster, higher, stronger), also complements the unstoppable power of the Chinese nation.

"After it was announced as the Official Electricity Generation Partner of the Olympic and Paralympic Winter Games Beijing 2022 on December 15, 2020, CTG has acted swiftly with effective measures, and cooperated with the work of the Beijing Organizing Committee for the 2022 Olympic and Paralympic Winter Games. CTG will power Beijing 2022 with clean energy and provide a strong guarantee for the preparation of Beijing 2022."

—Beijing Organizing Committee for the 2022 Olympic and Paralympic Winter Games

We aspire to be a contributor to clean energy

By increasing the supply of electricity generated in green ways. The Laozhanggai Wind Farm Project in Kangbao County, Hebei Province, constructed by CTG, was connected to the grid as scheduled. As one of the key power sources of the ±500 kV Zhangbei Flexible DC Transmission Project, the wind farm project undertakes the important task of generating green electric power for Beijing Olympic 2022 and China's capital. We are committed to providing clean energy to light up the Beijing 2022 Games and promote the development of a beautiful China.

We strive to become a narrator of the "Beijing 2022 story"

By launching the initiative of "Leading a Green and Low-Carbon Lifestyle and Building a Beautiful Home for Mankind," and meticulously planning a series of brand promotion activities with CTG characteristics that highlight the Olympic spirit and showcase China's image as a major country. These activities included inviting the publicity team of the Beijing Olympics 2022 to visit CTG, holding employee winter sports activities and brisk walking activities for welcoming the Winter Olympics, establishing CTG Winter Sports Association, etc.

We endeavor to become a facilitator of coordinated development

The corporation, along with the Beijing 2022 Games will make forward-looking plans and deployments for developing high-quality clean energy and eco-environmental business in the Beijing-Tianjin-Hebei region, so as to help the region achieve a new landscape of integrated development amid an all-round green transformation.



Group photo at the signing ceremony

Striving to become a "contributor", "narrator," and "facilitator", CTG will work together with the Beijing Organizing Committee for the 2022 Olympic and Paralympic Winter Games to write a new chapter in the history of the Olympics, and bring new vitality to Beijing, the first city in the world to host both the Summer and Winter editions of the Olympic Games.

**2003-2008:** CTG was one of the builders of the National Aquatics Center, also nicknamed the "Water Cube".

**2008:** Relay of the Olympic torch passes through the Three Gorges Dam.

**2018:** Participation in the construction of venues for the Beijing 2022 Games.

**2018:** CTG became the official power generation partner of the Beijing 2022 Games.

Extended reading:  
The bond between CTG and the Olympics



Scan the QR code: Watch the music video *Let's Cheer for Beijing 2022*, a song written and performed by CTG employees from all over the world.



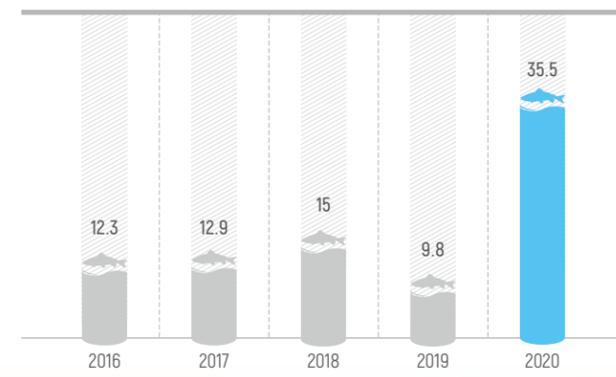
Scan the QR code: Read our proposal for "Living a Green and Low-Carbon Life and Building a Beautiful Homeland."

# Feature V: Achieving High-quality Development During the 13th Five-Year Plan Period

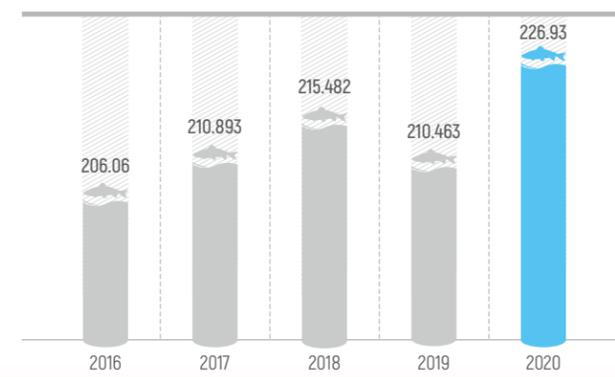
During the 13th Five-Year Plan, CTG applied a new vision of development and proactively followed national strategies. Focusing on China's strategic goals of transforming its growth model and economic structure in the new era, we continued to optimize our business layout and structure, and promoted the concentration of state-owned capital in fundamental areas that are closely related to the national economy and people's livelihood, such as clean energy and environmental protection. We forged ahead and overcame difficulties in our two-pronged development strategy for clean energy and environmental conservation in the Yangtze River Basin, picked up the pace in striving towards our goal of becoming a world-class company, and set the stage for high-quality development in the new era.

## Fulfilling our duties as a central SOE through the comprehensive benefits of water conservancy projects

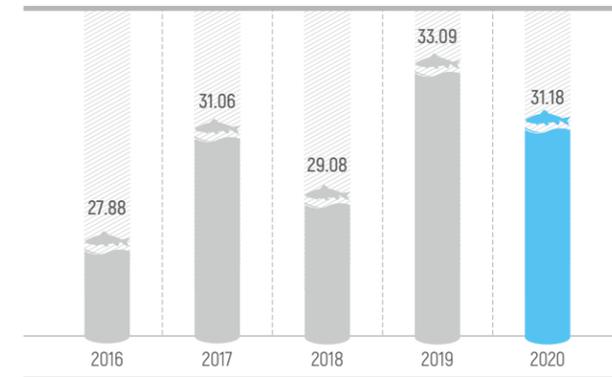
Total floodwater retention volume at the Three Gorges, Xiluodu, and Xiangjiaba Dams (billion m<sup>3</sup>)



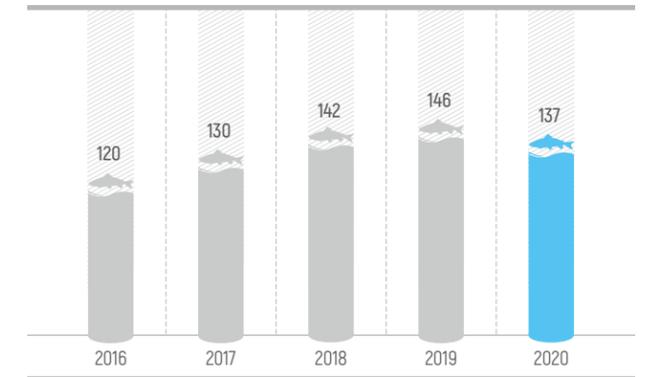
Electricity generated by cascade hydropower stations (TWh)



Amount of water released into the middle and lower reaches of the Yangtze River during dry seasons (billion m<sup>3</sup>)

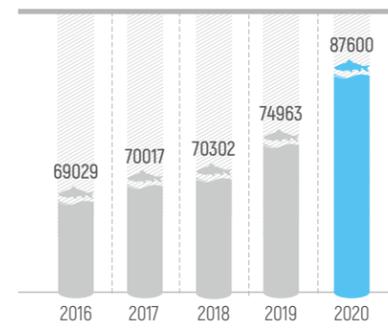


Cargo throughput at the Three Gorges ship locks (million tons)

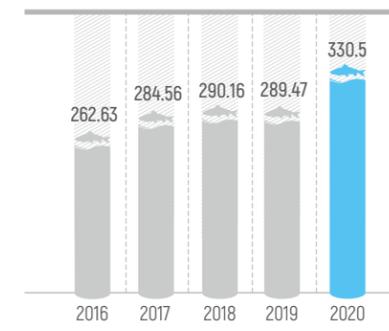


## Safeguarding national energy security by consolidating the foundation for the development of our main business

Consolidated installed capacity (MW)



Power generation (TWh)



**138<sub>GW</sub>**  
Consolidated installed capacity, minority-equity based installed capacity and installed capacity under construction worldwide

**47%**  
Growth in consolidated installed capacity since the end of the 12th Five-Year Plan period



**1,220.84<sub>TWh</sub>**

Total amount of clean electricity generated in China over the 13th Five-Year Plan period



Nearly **10** years

of annual electricity demand in Beijing (based on 2019 electricity consumption of 116.64 TWh due to the impact of COVID-19 in 2020)





381 million tons

Fossil fuel savings in terms of standard coal equivalent through the 1,220.84 TWh of clean electricity generated during the 13th Five-Year Plan period



992 million tons

Reduction in CO<sub>2</sub> emissions



2.72 million hectares

Total acreage of broad-leaved forests needed to absorb such an enormous amount of CO<sub>2</sub>



## Promoting well-coordinated environmental conservation in the Yangtze River Basin and a new stage in green development

109

Cooperation agreements signed between CTG and local governments in the Yangtze River Basin on promoting well-coordinated environmental conservation in the region

RMB 155 billion

Total investment in well-coordinated environmental conservation in the Yangtze River Basin

17,238 km

Total length of pipeline networks built and operated by CTG

23.11 million

Number of people benefitting from our ability to treat more than 10 million tons of wastewater each day

25,000

Rare plants protected through ex situ conservation in 2020

5.03 million

Chinese sturgeons of all sizes that have been released in the Yangtze River

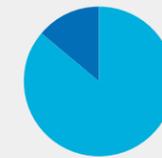


## Making new technological breakthroughs through greater reform and innovation

CTG was named by the SASAC as one of the first ten **pilot central SOEs for building world-class model enterprises**

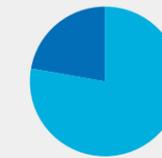
The Three Gorges Project won **special prize in the 2019 National Science and Technology Progress Awards**

CTG has implemented **49** major R&D projects, mastered the key GIL overhauling technology, and achieved a number of innovations in fields such as intelligent dam construction, special maintenance robots for hydropower stations, and smart water governance systems.



83.99%

Growth in technological investment since the 12th Five-Year Plan period



78%

Proportion of mixed-ownership subsidiaries among the companies in our consolidated financial statements



230

National, provincial and ministerial-level science and technology awards

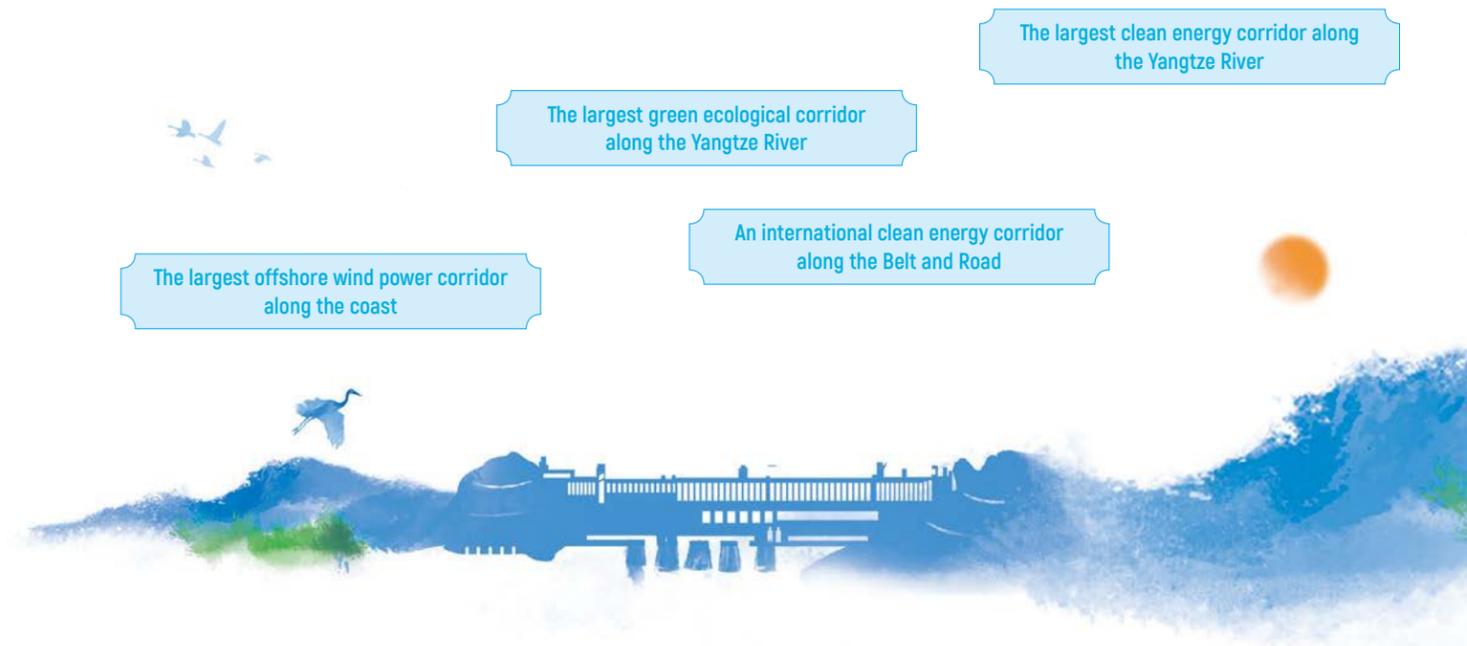
Looking forward to the 14th Five-Year Plan, CTG will follow the guidance of President Xi Jinping, and strive to become stronger, do better, and grow bigger. By 2025, we will have basically accomplished our goal of becoming a world-class developer of clean energy and a leading company in environmental protection in China. We will implement our two-pronged development strategy for clean energy and environmental conservation in the Yangtze River Basin. We will work towards our goal of building four major corridors: the largest clean energy corridor and the largest green ecological corridor along the Yangtze River, the largest offshore wind power corridor along the coast, and an international clean energy corridor along the Belt and Road.

The largest clean energy corridor along the Yangtze River

The largest green ecological corridor along the Yangtze River

An international clean energy corridor along the Belt and Road

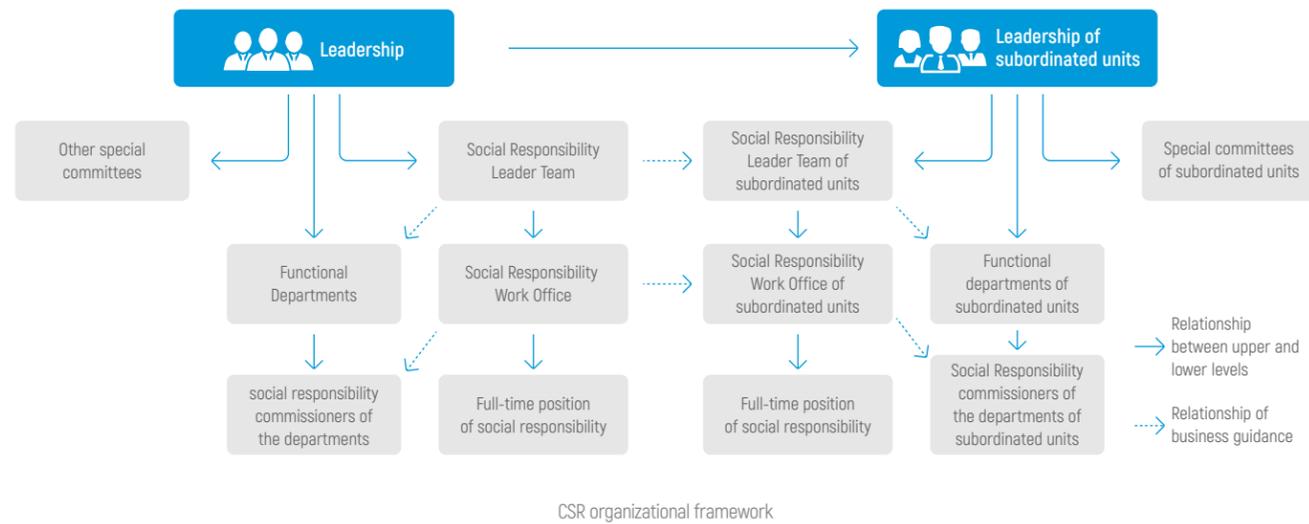
The largest offshore wind power corridor along the coast



# Sustainability Management

We have comprehensively analyzed the implementation of the Social Responsibility Plan of CTG During the 13th Five-Year Plan, and actively made plans for our CSR efforts during the 14th Five-Year Plan period. By strengthening our CSR capabilities, pursuing innovative project management, and promoting the application of information technology in sustainable development efforts, we will continue to incorporate CSR concepts and requirements into our operating methods and paths in innovative ways, thereby laying a solid foundation for sustainability management.

## Framework



### Main responsibilities of the Social Responsibility Leader Team:

- Identifying the globally recognized standards, codes of ethics and principles that need to be followed
- Providing guidance for the development of systems for CSR efforts and relevant procedures
- Guiding and studying the formulation of mid- and long-term plans, annual plans, work tasks and budgets for CSR efforts
- Regularly checking the progress of CSR projects and the use of funds, evaluating project outcomes, summarizing completed tasks, and planning follow-up tasks

### Main responsibilities of the Social Responsibility Work Office:

- Make relevant rules and regulations, and work procedures of CTG social responsibility
- Organize the preliminary investigation at the initial stage of CTG social responsibility projects and propose project suggestions and budgets
- Organize and implement CTG social responsibility projects and coordinate related work

### Main responsibilities of full-time and part-time personnel engaging in CSR:

- Communicate and promote social responsibility practice
- Communicate and cooperate with stakeholders
- Make plans of social responsibility practice for departments
- Collect topics on social responsibility practice for departments and submit the information about departments' practice of social responsibility

## Advancing CSR Efforts

**Building a CSR brand.** We will enact unified plans and implement sophisticated management to strengthen closed-loop lifecycle management of CSR projects. Through well-regulated, sustained and transparent project operations, we endeavor to deliver a batch of targeted, innovative, and influential CSR projects. These include the Three Gorges Seed Fund, Summer Camp for Children from the Reservoir Area to Three Gorges, Three Gorges Scholarship Program, Three Gorges Remote Class Program, Three Gorges Inspirational Class, and Three Gorges Candlelight Action. Through targeted communications efforts, we will share our experiences, measures and ideas in poverty alleviation through the publication of the *Three Gorges Contributions to Poverty Alleviation* series of outreach materials. These will include pictorial collections and white papers on our poverty alleviation practices, and books on poverty alleviation research.

**Strengthening CSR information disclosure.** We will improve the quality of CSR information disclosure by disclosing relevant information in a timely, accurate, and standardized manner. We will progressively build mechanisms for regular CSR information disclosures, which will include the publication of specific reports on targeted poverty alleviation, country-based CSR reports for our operations in foreign countries such as Laos and Peru, and special reports on environmental conservation in the Yangtze River Basin. We will also encourage subsidiaries such as CYPG and Hubei Energy to publish their own CSR reports. We will use the internet and various media channels to implement new forms of information disclosure and expand the reach of our CSR reports.

**Formulating CSR plans.** We will comprehensively analyze the implementation of the *Social Responsibility Plan of CTG During the 13th Five-year Plan*, and actively formulate CSR plans for the 14th Five-year Plan period to lay a foundation for becoming a world-class company in terms of CSR performance. We will carry out research to consolidate our achievements in poverty alleviation and effectively integrate poverty alleviation with rural revitalization. We will plan ahead for related projects.



## Improving the Transparency of Accountability Information

CTG attaches importance to identifying core stakeholders and their key expectations, and try to meet their expectations in practice. Besides, CTG continues to enrich communication channels and carriers for stakeholders, guarantees stakeholders' rights to know, participate and supervise, and continuous improve the social responsibility management and practice, thus optimizing the comprehensive value for stakeholders.

Stakeholders	Core appeals	Communication Activities
Investors	<ul style="list-style-type: none"> <li>Maintenance and appreciation of investment</li> <li>Supervision and assessment</li> <li>Compliance management</li> </ul>	<ul style="list-style-type: none"> <li>CTG published the <i>China Three Gorges Corporation Annual Report</i>, <i>China Three Gorges Corporation Annual Report on Environmental Protection</i>, <i>China Three Gorges Corporation Informatization Annual Report</i>, <i>the Yangtze River and Three Gorges Project Ecology and Environmental Monitoring Bulletin</i>, <i>Social Responsibility Report of China Yangtze Power Co., Ltd.</i>, <i>Social Responsibility Report of Hubei Energy Group Co., Ltd.</i>, etc.</li> <li>CTG's Chinese official website had 889,556 page views and 314,722 visits, and the English version has page views of 7,796, and 2115 visits.</li> <li>The total number of fans of CTG's WeChat official account "WeChat CTG" reached 68,144.</li> </ul>
Resettled people in reservoir area	<ul style="list-style-type: none"> <li>Arranging resettlement in cooperation with the government</li> <li>Promoting the sustainable development of resettled people</li> </ul>	<ul style="list-style-type: none"> <li>CTG invested heavily on resettlement of residents as well as poverty alleviation in the Three Gorges Reservoir area and the Jinsha River Reservoir area.</li> </ul>
Community	<ul style="list-style-type: none"> <li>Charity</li> <li>Promoting economic and social development</li> </ul>	<ul style="list-style-type: none"> <li>CTG provided assistance to the reservoir areas, minorities in Sichuan and Yunnan as well as Xinjiang and Tibet.</li> <li>CTG opened official news channels on Xuexi Qiangguo, Toutiaohao, Renminhao, The Paper, Baijiahao, and other media platforms, which registered 11,281,267 pageviews in total in 2020.</li> </ul>
Employees	<ul style="list-style-type: none"> <li>Protecting labor rights and interests</li> <li>Salary and welfare</li> <li>Career Development</li> </ul>	<ul style="list-style-type: none"> <li>CTG carried out activities to foster democracy and held workers' congress.</li> </ul>
Customers	<ul style="list-style-type: none"> <li>Coordinated development</li> <li>Win-win cooperation</li> <li>Stable and safe electric power</li> </ul>	<ul style="list-style-type: none"> <li>CTG's annual power generation reached 330.5 billion kWh.</li> </ul>
Environment	<ul style="list-style-type: none"> <li>Ecological Protection</li> <li>Energy conservation and emission reduction</li> <li>Responding to climate change</li> </ul>	<ul style="list-style-type: none"> <li>CTG prepared the 16th Annual Report on Environmental Protection, which objectively reflected the environmental performance of CTG and answered the questions of stakeholders in a truthful and comprehensive manner.</li> <li>Carrying out the China Yangtze River Three Gorges Release Program.</li> </ul>
Partners	<ul style="list-style-type: none"> <li>Fair operation</li> <li>Responsible procurement</li> <li>Win-win cooperation</li> </ul>	<ul style="list-style-type: none"> <li>CTG compiled and revised systems about bidding and procurement, contracts, and material management, and compiled new procurement regulations.</li> <li>The upgraded electronic procurement platform completed the trial run.</li> <li>CTG carried out credit rating and training of suppliers.</li> <li>Held 2020 Supplier Webinar on line.</li> </ul>
Provinces and cities in Yangtze River Basin	<ul style="list-style-type: none"> <li>Flood control and drought relief</li> <li>Improving shipping</li> </ul>	<ul style="list-style-type: none"> <li>CTG facilitated the cooperation between enterprises and local governments to promote well-coordinated environmental conservation in the Yangtze River Economic Belt.</li> </ul>

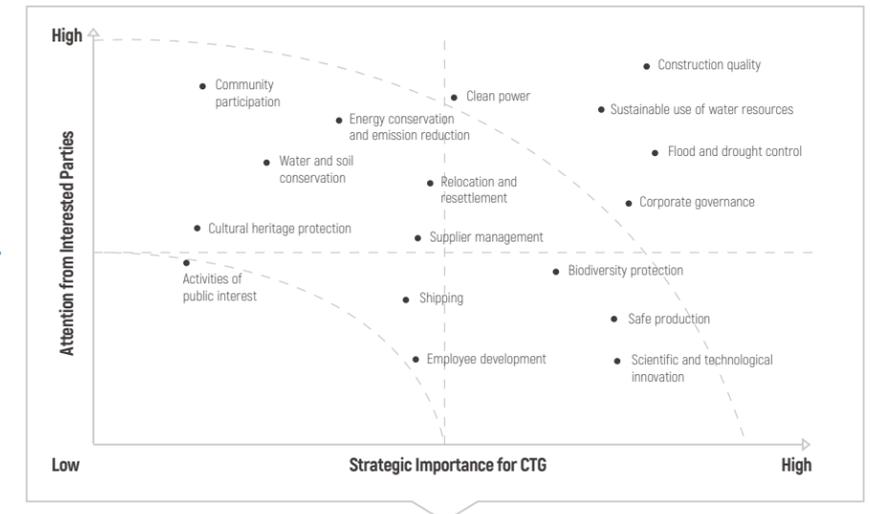
## Materiality analysis of sustainable development

According to the requirements of the guidelines on social responsibility reporting, CTG has included more topics and defined the limits to address the concerns of stakeholders, made a material topic matrix, and defined the disclosure degree and boundary of issues from two dimensions - its significance in CTG strategy and the degree of attention from the stakeholders, so as to accurately and thoroughly disclose the related information about its operation and management to the maximum.

### Recognition

Main sources	Topics
<ul style="list-style-type: none"> <li>The proposals of the democratic life meetings for employees and the employee representative meetings</li> <li>The attention from clients like power grid enterprises</li> <li>The feedback on the official CTG website</li> <li>The collection of opinions of migrants</li> <li>The communication with local governments and the signing of strategic cooperation agreements</li> <li>The opinions and feedbacks at the communication meetings for suppliers</li> <li>The collection of opinions of communities</li> <li>The comments on environmental impact</li> <li>The opinions from such NGOs as WWF and TNC</li> <li>The seminars in the hydropower industry</li> <li>The feedback from hydropower experts</li> <li>The participation in the making of industrial standards</li> <li>The participation in international and industrial organizations</li> </ul>	<ul style="list-style-type: none"> <li>Development strategy</li> <li>Corporate governance</li> <li>International operation</li> <li>Construction quality</li> <li>Community participation</li> <li>Supplier management</li> <li>Responsibility purchase</li> <li>Combat with climate change</li> <li>Employee rights protection</li> <li>Remuneration and welfare</li> <li>Human rights protection</li> <li>Law observance and compliance</li> <li>Transparent operation</li> <li>Employment management</li> <li>Employee development</li> <li>Energy conservation and emission reduction</li> <li>Biodiversity protection</li> <li>Sustainable use of water resources</li> <li>Water and soil conservation</li> <li>Protection of cultural heritage</li> <li>Flood and drought control</li> <li>Shipping</li> <li>Clean power</li> <li>Relocation and resettlement</li> <li>Scientific and technological innovation</li> <li>Environment management</li> <li>Making of industrial standards</li> <li>Activities of public interest</li> </ul>

### Sorting



### Verification

Internal	External
<ul style="list-style-type: none"> <li>Review by social responsibility management institutions</li> <li>Review by related departments and subordinate companies</li> <li>Examination and approval by company leaders</li> </ul>	<ul style="list-style-type: none"> <li>Participation of NGOs</li> <li>Participation of the third-party consulting institutions</li> <li>Report rating</li> <li>Communication meetings for interested parties</li> </ul>



# Exploring Comprehensive Benefits of Cascade Hydropower Stations



## Management philosophy

Giving full play to the role of the TGP as an ecological project and livelihood project and effectively promoting the development of the Yangtze River Economic Belt through our knowledge on water, expertise of utilizing water and efforts to conserve water.

## Management objectives

Giving full play to the comprehensive benefits in flood control, shipping improvement, power generation, water replenishment and ecological protection of the TGP, Gezhouba, Xiluodu, Xiangjiaba and other hydropower projects through engineering measures or technical means and scientific regulation, so as to further improve the capabilities of guaranteeing the flood control safety, ecological safety, shipping safety, water supply safety and energy safety in the Yangtze River Basin.

## Management strategies

- Building two world-class megasized power stations (Wudongde and Baihetan).
- Operating efficiently the cascade hydropower stations with the TGP as the core.
- Promoting the establishment of a joint dispatching mechanism of cascade hydropower stations in the Yangtze River Basin for comprehensive utilization of water resources.

**35.5** billion m<sup>3</sup>

Floodwater retention by cascade reservoirs in 2020\*

**137** million tons

Cargo throughput at the Three Gorges ship locks in 2020

**226.93** TWh

Power generation by cascade hydropower stations in 2020

\*Note: Cascade reservoirs and cascade hydropower stations refer to the four mega-clusters of cascade hydropower stations and their accompanying dams operated by CTG in the mainstream of the Yangtze River, i.e. the Three Gorges Project (TGP), Gezhouba, Xiluodu and Xiangjiaba Hydropower Stations.

The Three Gorges Dam releases flood

## SDG Mapping



# CSR Actions

## Flood Control in the Yangtze River Basin

- We strengthened monitoring, forecasting and early warning to improve our capabilities in science-based forecasting.
- We optimized the integrated dispatching of cascade reservoirs, including the TGP, Wudongde, Xiluodu, Xiangjiaba, and Gezhouba Hydropower Stations, to reduce the volume of water released without generating electricity. This allowed our cascade hydropower stations to generate an additional 9.856 TWh of electricity, achieving a 4.54% increase in hydropower capacity factor in 2020.
- We formulated the 2020 Downstream Jinsha River - Three Gorges Hydropower Station Integrated Dispatching Plan to build a system for precise integrated dispatching management. Through our water resources decision-making system, we improved the integrated dispatching and forecasting for the reservoirs and enabled comprehensive evaluation of the benefits.
- We launched a pilot run of the integrated dispatching management system for the reservoirs in the Yangtze River Basin to improve the quality and efficiency of integrated dispatching.

## Providing Clean Energy

- We developed the *Power Generation Management Plan* to ensure stable power supply and improve the quality and efficiency of our operations.
- We strengthened safety oversight and inspections. A holographic monitoring system for hydro-generators was operated for the first time to detect and address potential power station hazards in a timely manner.
- We developed a maintenance support system for the Yangtze River Basin to enhance the application of information technology in the operation of hydropower stations in the region. The equivalent availability factor for the cascade hydropower stations reached 94.26% in 2020.
- Total electricity generated by the TGP, Gezhouba, Xiluodu, and Xiangjiaba cascade hydropower stations reached a record high of 226.93 TWh in 2020.



## Boosting Shipping and Tourism

- The Three Gorges ship locks registered 9,798 safe gate operations throughout the year. A total of 39,446 vessels carrying 137 million tons of cargo passed through the ship locks. The serviceability rate of principal equipment stood at 100%.
- The Xiangjiaba ship lift completed its first night-time trial run. Annual throughput of the ship lift reached 1.3 million tons in 2020, exceeding its design capacity of 1.12 million tons for the first time.
- The Three Gorges Tourism Area received 1,004,800 tourists.

## Drought Alleviation and Water Replenishment

- The Three Gorges Reservoir has achieved its pilot goal of maintaining water impoundment levels of 175 meters for 11 consecutive years.
- The Three Gorges Reservoir replenished 22.92 billion m<sup>3</sup> of water to downstream regions of the river during dry seasons. A total of 31.18 billion m<sup>3</sup> of water was released to downstream regions by the four cascade reservoirs.

## Promoting Ecological Restoration

- Experimental ecological regulation has been conducted for 10 years in a row to promote the natural reproduction of the four major Chinese carps.
- A total of 377,000 m<sup>3</sup> of floating debris was salvaged and rendered harmless over the year.



# CSR Cases

## Completion and acceptance of the Three Gorges Project (TGP)

The TGP, the world's largest water conservancy project, was completed on November 1, 2020. The acceptance inspection indicated that the TGP had satisfied all relevant engineering specifications and design requirements. It has maintained sound quality of operations and fully played its role in flood control, power generation, shipping, and the utilization of water resources. As of end-2020, the Three Gorges Reservoir has retained 184.14 billion m<sup>3</sup> of floodwater and released more than 290 billion m<sup>3</sup> of water to downstream regions. The TGP has also generated a total of 1,399.1 TWh of electricity. More than 1.5 billion tons of cargo have passed through the Three Gorges ship locks.

Total floodwater retention volume of **184.14 billion m<sup>3</sup>**  Reservoir capacity of **12,886 West Lakes<sup>①</sup>**

**290 billion m<sup>3</sup>** of water released to downstream regions  Annual water consumption of **673 million people<sup>②</sup>**  Beijing's water consumption for **69.5 years<sup>③</sup>**

**1.5 billion tons** of cargo throughput at the ship locks  **Two-year** cargo throughput of ports in Shanghai <sup>④</sup>

- Notes: ① Based on West Lake reservoir capacity of 14.29 million m<sup>3</sup>.  
 ② Based on national water consumption of 431 m<sup>3</sup> per capita in 2019.  
 ③ Based on total water consumption of 4.17 billion m<sup>3</sup> in Beijing in 2019.  
 ④ Based on cargo throughput of ports in Shanghai of 716.6995 million tons in 2020.

## First ecological regulation experiment for natural reproduction of fish spawning viscid and demersal eggs in the Three Gorges Reservoir Area

In May 2020, the Three Gorges Reservoir Area carried out its first ecological regulation experiment for natural reproduction of fish spawning viscid and demersal eggs. Unlike previous ecological regulation experiments to promote natural reproduction of the four major Chinese carps, this test was targeted at fish spawning viscid and demersal eggs that included carp and crucian species highly sensitive to water temperatures and levels. Implemented through careful planning and multi-party coordination, the experiment had a positive impact on the reproduction of these fish species. Approximately 533 million eggs were spawned in the monitored section in 2020.

**533 million**

Total number of eggs spawned in the monitored section in 2020



The TGP sets new world record in electricity generation

111.8 TWh of electricity can support approximately **RMB 1.5 trillion** of GDP in China.

Note: The calculation is based on the fact that China's total GDP was RMB 101.5986 trillion in 2020, during which 7,511 TWh of electricity was consumed.

## The TGP sets world record for annual power generation

In 2020, the TGP generated 111.8 TWh of electricity, breaking the world record of 103.098 TWh set by Itaipu Dam in 2016. This provided the electricity needed for daily life and economic activities in many provinces and cities along the Yangtze River, which supported the recovery of the national economy and contributed to the high-quality development of the Yangtze River Economic Belt.

# Comments from Stakeholders

"The 10,200 MW Wudongde Hydropower Station will be able to generate 38.9 TWh of electricity per year after its 12 generating units commissioning. I expect that this amount of clean energy will allow a significant positive impact in southwest China with a considerable amount of energy conservation and reduction of regional harmful emissions through the reduced reliance on fossil fuels."

---Michael F. Rogers, President of the International Commission on Large Dams

# Driving Clean Energy Development

# DMA

## Management philosophy

CTG is committed to building a worldclass clean energy group, and playing a leading role in promoting the industrial upgrading of clean energy according to the requirements of national energy strategy and energy supply-side structural reforms.

## Management objectives

CTG strives to become the leader in terms of scale, management, technology, standard, talent and brand, so as to promote the large-scale development and sustainable development of offshore wind power in China.

## Management strategies

- Continuously improving the core competence and influence in the hydropower industry.
- Accelerating the cluster development of offshore wind power.
- Actively exploring new technologies, models and forms of energy development.

Over **7.5** GW  
Total installed capacity of onshore wind power

Over **1.4** GW  
Total installed capacity of offshore wind power

Over **6.6** GW  
Total installed capacity of photovoltaic power

Shuangliao Agricultural Photovoltaic Power Station, Jilin Province

## SDG Mapping



# CSR Actions



## Hydropower Projects

We have promoted the development of hydropower resources in the lower reaches of the Jinsha River in a science-based and orderly manner and completed the construction of Wudongde Hydropower Station and Baihetan Hydropower Station in line with high standards and quality.

### Wudongde Hydropower Station

- The world's first 300-meter arch dam poured with low-heat cement concrete reached the top
- First batch of generating units were commissioned
- Level of water impoundment at the Wudongde Reservoir reaches 965 meters
- First batch of generating units achieves two targets: Safe and stable operations for 100 days
- Power generation of over 10 TWh
- Eight generating units commissioned over the year

### Baihetan Hydropower Station

- The world's first hydro-generator with a "zero counterweight" runner meets acceptance requirements
- The world's largest inverted arch plunge pool is completed
- Completion of concrete pouring for the world's largest underground plant
- Completion of concrete pouring for the first batch of 300-meter hyperbolic and super-high arch dam sections
- Successful completion of flood discharge facilities
- Successful hoisting of the runners for five 1-GW hydro-generators within the year

- **The largest single-phase onshore wind power project in its time in Asia.** We have completed the construction of a 400-MW wind farm in Siziwang Banner, Inner Mongolia. This has had a positive impact on accelerating the large-scale development and management of onshore wind power.
- **The first high-altitude wind power project in China.** The 100-MW wind farm in Xitieshan, Qinghai Province has been an exemplary model for the utilization of wind energy resources in high-altitude areas in China.
- **VSC-HVDC supporting project for the Beijing 2022 Games** The 150-MW wind farm in Kangbao, Hebei Province plays a significant role in promoting the energy revolution, putting the concept of a Green Olympics into practice, and optimizing the electricity mix.

## Optimizing Onshore Wind Power Development

Through independent R&D and cooperation-based M&As, we have continued to consolidate the advantages of concentrated development efforts in regions such as Inner Mongolia and Qinghai. Focusing on central and southeast China and UHV transmission base projects, we have continually optimized our development plans. Our onshore wind power projects in operation cover 25 provinces and regions.

## Making every effort to develop offshore wind power

Committed to implementing our strategic plans for becoming a leader in offshore wind power, we have vigorously promoted offshore wind power as the strategic core of our new-energy operations and actively implemented development plans in coastal areas. We have launched the offshore wind farm development planning of eastern Guangdong and advanced the construction of large offshore wind power bases. This has preliminarily shaped a large-scale development landscape with network effects. Five gigawatt-level offshore wind power bases in provinces such as Jiangsu, Guangdong, and Fujian are taking shape.

- A 10-MW single-unit offshore wind turbine, the largest in the Asia-Pacific region, was successfully connected to the power grid in Xinghua Bay, Fujian Province.
- Zhuanghe Project, the first offshore wind power project in Northeast China, was fully connected to the grid.
- Construction of China's first ±400 kV VSC-HVDC offshore wind power project commenced in Rudong County, Nantong City, Jiangsu Province.
- Full construction works on a 17-GW offshore wind power project in China, the largest in the country, commenced in Yangjiang, Guangdong Province.

- The first new-energy base in Ulanqab City, Inner Mongolia was inaugurated. It hosts the world's largest source-grid-load-storage project, which has a capacity of 3 GW.
- Litong Phase I, Ningxia's largest single-phase photovoltaic project with a capacity of up to 200 MW, was successfully connected to the grid.
- The agriculture(fishery)-solar complementary project of the Sihong Photovoltaic Power Plant in Jiangsu Province was connected to the grid as scheduled.
- The photovoltaic+eco-fishery model in Weishan County, Jining City, Shandong Province was launched.

## Accelerating Pumped Storage Projects

We have further accelerated the development and construction of pumped-storage projects to ensure that such stations are commissioned as scheduled. As the safest and most stable energy storage method at this stage, pumped storage plays a key role in supporting the building of new power systems and attaining peak carbon emissions and carbon neutrality.

- The dams of the upper and lower reservoirs of the Changlongshan Pumped-Storage Power Station in Zhejiang Province were completed to impound water.
- An agreement was signed on the Pingtanyuan Pumped Storage Project in Luotian County, Huanggang City, Hubei Province.

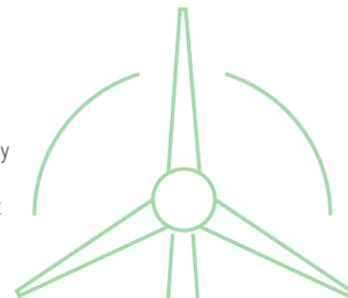
## Promoting diversified development in photovoltaic power generation

We have actively pushed ahead with diversified solar power development and built large-scale centralized photovoltaic power plants in an orderly manner. We have also explored diverse business models such as agriculture-solar complementary projects, fishery-solar complementary projects, and solar-storage integrated projects, with the goal of empowering large-scale photovoltaic development through individual projects.

The Inner Mongolia Chahar Industrial Park Project has received the **2020 China Energy Innovation Project** award

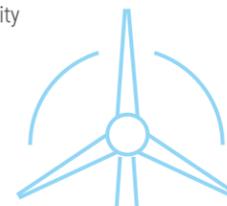
**51** GW

New clean energy project added to the development pipeline



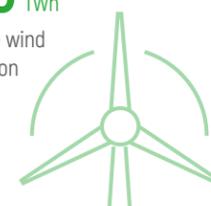
Around **6** GW

Approved for the development of new clean energy generation capacity



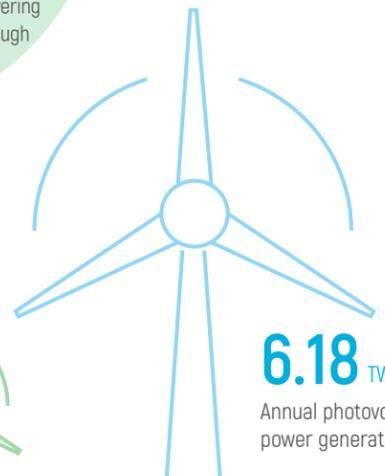
**13.155** TWh

Annual onshore wind power generation



**6.18** TWh

Annual photovoltaic power generation



# CSR Cases

8

850-MW mega generating units commissioned over the year

13.429<sup>TWh</sup>

Total amount of electricity generated

## Commissioning of the first batch of generating units at Wudongde Hydropower Station

Wudongde Hydropower Station is a 10-GW giant hydropower project commissioned after the 18th CPC National Congress. It is one of the "smartest" dams on the planet, with the thinnest 300-meter super-high arch dam and the tallest underground power plant in the world. On June 29, 2020, the first batch of generating units at the Wudongde Hydropower Station were commissioned. In this regard, President Xi Jinping expressed the hope that the Wudongde Hydropower Station would become a high-quality project that develops the hydropower resources in the Jinsha River in a science-based and orderly manner, and protects the Jinsha River for the better wellbeing of the people.

## Hoisting of the runner of the world's first gigawatt-level hydropower generating unit at Baihetan Hydropower Station

CTG has continued to upgrade its installation technologies and techniques and has extensively applied new technologies and materials to ensure that major indicators of the runner can meet quality standards for gigawatt-level generating units. In June 2020, the runner of the world's first gigawatt-level generating unit of Baihetan Hydropower Station was hoisted, representing an important milestone in the installation of generating units in Baihetan Hydropower Station that will drive comprehensive progress in China's hydropower industry.



Commissioning of the first batch of generating units at Wudongde Hydropower Station

Successful hoisting of the runner of the world's first gigawatt-level hydropower generating unit at the Baihetan Hydropower Station

### Grid connection of the largest single-phase PV project in Ningxia Hui Autonomous Region

On January 15, 2020, we started the construction of Litong Phase I 200MW PV Project in Ningxia Hui Autonomous Region despite difficulties such as winter weather conditions and COVID-19. Even while implementing strict COVID-19 control measures, we carried out construction tasks by coordinating the completion of relevant procedures, construction planning, equipment supply, and on-site construction. We followed fixed schedules for key tasks to ensure successful connections with the power grid. We ensured that our projects met high quality and efficiency standards, and promoted the development of new energy.

### Grid connection of the largest offshore wind turbine in the Asia-Pacific region

In July 2020, the Phase II offshore wind farm in Xinghua Bay, Fujian Province officially began transmitting clean wind power to tens of thousands of households. Independently developed by China, this is the largest single-unit offshore wind turbine in the Asia-Pacific region and the second largest in the world. It is a major achievement in the domestic manufacturing of major offshore wind turbines that demonstrates our accomplishments in building China's expertise in this field. Its successful connection to the power grid indicates that China's capabilities in wind power development has achieved leapfrog progress, which will make greater contributions towards China's offshore wind power research and development and promote the development of new energy.

### Inauguration of the world's largest source-grid-load-storage demonstration project

On October 31, 2020, CTG and Ulanqab City of Inner Mongolia Autonomous Region jointly built the world's largest and China's first source-grid-load-storage demonstration project in the Inner Mongolia Chahar Industrial Park. The "source-grid-load-storage" project is an operation model that includes holistic solutions that encapsulates all four aspects, which can effectively resolve problems of low overall efficiency in power systems, insufficient source-grid-load coordination, and inadequate complementarity between different power sources. The project can also boost the ability of regional power grids to ensure adequate power supply during peak seasons and provide solutions for clean energy consumption and grid volatility.

### Full-capacity grid connection of the offshore wind farm of the highest latitude in China

On November 25, 2020, the Zhuanghe III 300-MW offshore wind power project in Dalian, Liaoning Province was connected to the grid at full capacity. This was the first offshore wind power project in Northeast China and the largest one in the northern region. Faced with multiple challenges during construction, such as uncertain weather conditions, long winter interludes, short construction windows, and winter sea ice, the project team introduced advanced technologies, such as the anti-ice cone structure of offshore oil platforms, to achieve full-capacity grid connection.



Offshore Wind Farm in Xinghua Bay, Fujian Province



Zhuanghe Offshore Wind Farm in Dalian, Liaoning Province



Weishan Fishery-Solar Complementary Project in Jining, Shandong Province

## Ecological improvement of coal mine subsidence areas through fishery-solar complementary projects

In October 2020, the CTG Weishan project team in Jining City, Shandong Province explored the integration of photovoltaic power, which causes zero pollution and emissions, and ecological aquaculture by carrying out fish farming in the test waters with more than 10,000 fish seed. Since the integration of photovoltaic and aquaculture operations, Weishan County has liberated itself from reliance on coal mining. The development of the new-energy industry and ensuing ecological benefits will become an important part of the local economic structure.

## Peak installation phase of the Changlongshan Pumped-Storage Power Station

On August 31, 2020, the runner of the No. 1 power generator of the Changlongshan Pumped Storage Power Station of CTG in Zhejiang Province was installed after trial lifting, formal hoisting, moving and descending into its seat. The runner, the core component of the pumped-storage unit and the key to power generation or water pumping, is also called the "heart" of the unit. Its successful hoisting marks that the pumped storage power station with the highest hydraulic head in China has officially entered the peak phase of equipment installation.

## Comments from Stakeholders

"CTG is a long-term partner of Inner Mongolia. It has made important contributions to the economic and social development of the Region over the years. The source-grid-load-storage demonstration project planned and built with our joint efforts has created a new model for the development and utilization of new energy in China."

—Bu Xiaolin, Deputy Party Secretary and Chair of the Inner Mongolia Autonomous Region, and Secretary of the Government Party Group

# Maintaining Balance in the Natural Environment



## Management philosophy

Sticking to the idea of creating a "whole basin, whole life cycle, open and scientific research-oriented protection of environment", CTG realizes major historical transition from "Building the Three Gorges project and developing the Yangtze River" to "Managing the Three Gorges project and protect the Yangtze River".

## Management objectives

CTG develops and strengthens the ecological and environmental protection industry in the Yangtze River Economic Belt through marketized, specialized and corporatized operations, so as to play a key role in the deep integration into the development of the Yangtze River Economic Belt and the ecological conservation of the Yangtze River, and better accomplish the new tasks and missions assigned by the State.

## Management strategies

- With the goal of fundamentally improving the quality of the water environment, and taking urban sewage treatment as the starting point, we implement pilot projects in pilot cities first.
- Established Yangtze Ecology and Environment Co., Ltd, China Yangtze River Green Development Investment Fund, set up a national environmental engineering research center, and established Yangtze River eco-environmental protection industry alliance and special funds.
- Pooling in technology, talents and capabilities to the Yangtze River Economic Belt through cooperation, mergers and acquisitions and shareholdings.

RMB **155** billion

Total investment in well-coordinated environmental conservation in the Yangtze River Basin

**17,700** km<sup>2</sup>

Urban areas directly served

**23.11** million

Beneficiaries of our environmental conservation efforts

## SDG Mapping



# CSR Actions

## Well-coordinated environment conservation in the Yangtze River Basin

We have fully participated in water pollution control, water ecological restoration, water resources conservation in the Yangtze River Basin, and signed cooperation agreements on well-coordinated environment conservation in the Yangtze River Basin with 101 provinces, cities, districts and counties. This has formed a system of water governance in which our operations in the Yangtze River Basin have been fully expanded and the role of investor cooperation as a bridge has been continuously strengthened.

**102**  
Member of the Yangtze Ecology and Environmental Industry Alliance

**109**  
Cooperation agreements on well-coordinated environment conservation in the Yangtze River Basin signed with local governments in the region

**17,238** km  
Total length of pipeline networks built and operated by CTG

Based on the characteristics of regions and watersheds and the needs of urban water environment treatment, we took actions to improve existing sewage systems, shore up weaknesses in new sewage systems, eliminate black and malodorous water bodies in cities, implement integrated sewage treatment in urban and rural areas, undertake systematic and comprehensive watershed-based treatment, and integrate investment, construction and operation. The principle of "one strategy for one city" has improved the effectiveness of sewage treatment.

We have continued to enhance cooperation with the government, relevant enterprises, universities, and scientific institutions to mobilize multi-party resources for the balanced development of implementation platforms, co-construction platforms, supporting platforms, research platforms, and fundraising platforms. The synergies of the five platforms have been further demonstrated.

### Overall planning for sewage treatment

### Constant enhancement in synergy among the Five Major Platforms

### Exploring cooperation-based business models

### "Capital Plus" Fully Rolled Out

Following the guidance of the National Development and Reform Commission on price mechanisms, we have enhanced government-enterprise cooperation to jointly advance reforms in the price mechanisms for municipal sewage treatment. Specifically, we have established a market-oriented price mechanism for urban sewage treatment in line with the principles of compensation for operation costs, reasonable profits, dynamic adjustments, and differentiated charges. We have also signed contracts with the cities of Zhenjiang and Nanjing in Jiangsu Province to jointly promote pilot reforms in sewage treatment price mechanisms.

Our "capital plus" mode has been popularized and applied in Wuhan, Nanjing, and Changsha, extending our industrial chain and value chain. By ramping up investment, we have enlisted the joint efforts of various industries in the environmental conservation of the Yangtze River Basin.

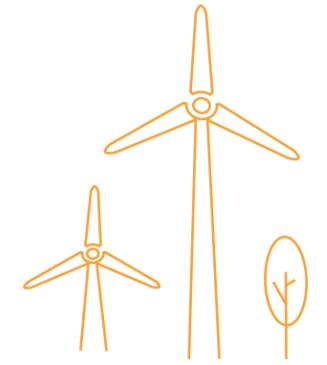
**643**  
Sewage treatment plants constructed

**10**  
Joint venture platforms launched in 7 cities nationwide

## Addressing Climate Change

- **Reducing emissions from reservoirs:** To protect the natural environment and statistics-based management of vegetation cover in dam areas, CTG adopts ecological regulation to manage carbon emissions in the drawdown zone of the dams.
- **Controlling emissions from production activities:** We have strengthened equipment overhaul to ensure 100% recovery of sulfur hexafluoride in electrical equipment. In addition, we have introduced new materials and technologies and enhanced the management of equipment and facilities to reduce heat consumption in our hydropower plants.

- **Building a low-carbon workplace:** We have introduced energy-saving electrical appliances to reduce the amount of energy used for lighting and air conditioning. Remote conferences have reduced carbon emissions generated by business trips.
- **Carrying out carbon trading:** We have organized the development of Chinese Certified Emission Reduction (CCER) products and offset part of our carbon emissions by developing and using new-energy products voluntarily.



**277.1** TWh  
Clean electricity generated in 2020



**84.9** million tons  
Fossil fuel savings in terms of standard coal equivalent



**232.21** million tons  
Equivalent reduction in carbon dioxide emissions

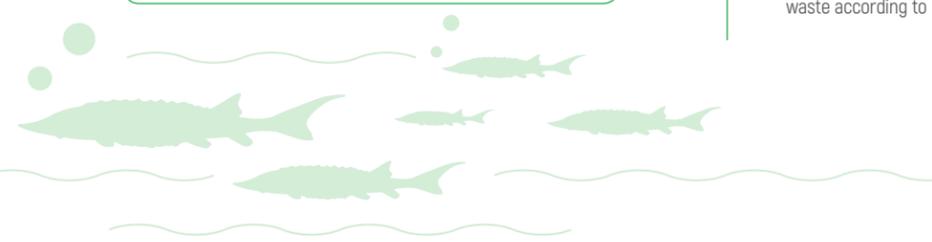
## Protecting Biodiversity

- **Rare terrestrial plants:** We have conducted surveys of wild plant resources in the Yangtze River Basin, carried out ex-situ conservation and breeding of endemic and rare plants, studied the preservation of plant germplasm resources, and promoted the use of rare endemic plants. We protected **1,181** species of rare and endemic plants in the Yangtze River Basin.
- **Rare fish species:** With support from the Yangtze River Rare Fish Conservation Center and Chinese Sturgeon Research Institute, Rare and Endemic Fish Proliferation and Release Stations at Xiluodu and Xiangjiaba Hydropower Stations, and Rare and Endemic Fish Proliferation and Release Stations at Wudongde and Baihetan Hydropower Stations, we have made breakthroughs in technologies for the artificial breeding of more than ten rare and endemic fish species. In 2020, we released a record **750,000** fish fries, including those of the Chinese sturgeon, in the Yangtze River.

Xiluodu and Xiangjiaba Hydropower Stations were named National Soil and Water Conservation Eco-projects.

## Reinforcing Pollution Prevention

- **Sewage treatment:** To implement the "three-simultaneous" system, we have improved the treatment of domestic and industrial sewage. We have continuously strengthened the management of project operations, improved sewage treatment facilities and pursued innovation in sewage treatment technologies to ensure up-to-standard sewage discharge.
- **Waste gas management:** We have implemented air pollution prevention measures to control and reduce vehicle exhaust and construction dust, and prioritized flue gas desulfurization and denitrification. In 2020, the capacity of flue gas desulfurization and denitrification units accounted for **100%** of coal-fired units, and the capacity of ultra-low emission limit units accounted for **96.24%** of coal-fired units. All highly polluting units have been shut down.
- **Noise Control:** We have strengthened whole-process management of the acoustic environment, and effectively controlled noise sources and the transmission of construction noise and traffic noise by putting up noise barriers, reasonably arranging construction schedules, and setting no-honking and speed-limit signs.
- **Waste Disposal:** We have surveyed problems of solid waste along the Yangtze River Basin, organized inspections of hazardous waste in the Yangtze River Economic Belt, and disposed of hazardous waste according to related rules and regulations.



## CSR Cases

### Focusing on sewage treatment and promoting CTG's experience

Starting from pilot cities, CTG has expanded its cooperation with cities to further promote urban sewage treatment, contributing our experience to the environmental conservation of the Yangtze River.

- Upper reaches of the Yangtze River:** We explored and implemented integrated management of small watersheds in mountainous cities.
- Hubei Province:** We explored an integrated watershed management model that features "unified planning, construction, payment, supervision, acceptance, operation and maintenance", and worked with Wuhan East Lake High-tech Development Zone to explore and implement CTG's "Water Steward" model of government-enterprise cooperation throughout the area.

- Hunan Province:** We have promoted a wastewater governance model where sewage pipeline networks and treatment plants form an integrated system. This model has been applied in areas around the Dongting Lake, as well as Xiangjiang River, Zijiang River, Yuanjiang River, and Lishui River basins.
- Jiangxi Province:** Creating a "Plant-Pipe Network-River Integration" smart linkage system.
- Anhui Province:** Exploring and practicing the "Supply-Drainage Integration" model.
- Jiangsu Province, Zhejiang Province, and Shanghai:** We have built the Demonstration Zone for Integrated Ecological Development of the Yangtze River Delta and jointly built a cooperation demonstration zone.



### The "Well-Coordinated Environmental Conservation in the Yangtze River Basin + Clean Energy" project in Wuhu City, Anhui Province put into operation

In October 2020, the Distributed Photovoltaic Phase I Project of the Wuhu Sewage Treatment Plant in Anhui Province was fully connected to the grid. It is the first "Well-Coordinated Environmental Conservation in the Yangtze River Basin + Clean Energy" project by CTG, which makes full use of the idle space above the ponds and roof of the sewage plant to develop distributed photovoltaic generation, providing clean, safe, convenient, and high-quality electricity at low cost. The project is a good attempt to create synergy between clean energy and environmental conservation, contributing to multi-disciplinary and multi-field collaboration.

### Ezhou Power Plant Phase I Unit Ultra-Low Emission Transformation

In the Phase I project of the upgrading of existing environmental protection facilities of Ezhou Power Plant under Hubei Energy Group Co., Ltd. in 2020, the company adopted a plan that integrates denitrification, installation of agglomerators to dust removers, overall transformation of electrostatic dust collectors, modification of induced draft fans, and desulfurization. After the transformation, the concentrations of air pollutants, soot and sulfur dioxide meet relevant standards for ultra-low emissions, while nitrogen oxide emissions intensity meets the Announcement on Implementing Special Emission Limits of Air Pollutants in Some Key Cities, effectively reducing air pollution. The project is an essential move in green development that contributes to the Blue Sky Protection Campaign.



The new secondary absorption tower for Ezhou Power Plant Phase I Unit under Hubei Energy Group Co., Ltd.

## The seedling establishment rate of *Myricaria Laxiflora* seeds bred by CTG reaches a record high

In 2020, CTG planted more than 2,000 *myricaria laxiflora* seeds, a rare plant species unique to the Three Gorges Reservoir area, along the banks of Maoping River below the auxiliary dam of the Three Gorges Reservoir. Over 95% of the seeds germinated and over 85% of them grew into seedlings, both reaching a record high. This is of great significance to the conservation of germplasm resources, guarantees the continuation and expansion of *myricaria laxiflora* populations, and plays an important role in ecological applications, such as slope stabilization and bank protection, and soil and water conservation.



Transplanting *Myricaria Laxiflora* seedlings into pots

## A new record in the release of second-generation Chinese sturgeons

On April 22, 2020, CTG released 10,000 second-generation Chinese sturgeons into the Yangtze River, which was the largest release of second-generation Chinese sturgeons since the first release of Chinese sturgeons in 2009. The release included adult and juvenile Chinese sturgeons as well as fries, including ten all-male Chinese sturgeons born in 2009, and was thus of great significance for enriching the age groups of wild Chinese sturgeons, improving the genetic diversity of wild populations, and balancing the sex ratio of Chinese sturgeons in the wild.



Second-generation Chinese sturgeons return to the Yangtze River

63

Chinese sturgeon release activities



Cleaning robot at Gezhouba Hydropower Station

# Comments from Stakeholders

"Over the past two years, CTG has conscientiously implemented the guiding principles of a series of important speeches made by President Xi Jinping. Under the overall coordination of the leading group office, we have acted resolutely to promote urban sewage treatment through concerted efforts with local governments along the Yangtze River, and made significant progress."

—Hu Zucai

Deputy Director of the Office of the Leading Group for Promoting the Development of the Yangtze River Economic Belt and Deputy Director of the National Development and Reform Commission

"In the past, the river was so smelly that I would never want to open the windows. Now the environment is much better, the water is clearer, and there are more green areas. We can appreciate the beautiful scenery and take exercise right at our doorstep. I feel overjoyed."

—A resident living near the lower reaches of Shili River in Jiujiang City, Jiangxi Province

# Supporting Employee Growth



Putting people first, CTG strives to create a good work environment where all employees are respected and valued. We respect that our employees are independent individuals, safeguard their legitimate rights and interests, encourage them to innovate and provide paths for their all-around development.

### Management philosophy

We respect work and talent, and are committed to providing employees with equal opportunities and strong safeguards for their rights and interests. We work hard to build harmonious and stable labor relations, a healthy work environment and a broad career development platform for employees so that every employee can share in the fruits of corporate development as part of a safe, warm and happy CTG family.

### Management objectives

- We protect the rights and interests of our employees, and strictly abide by all laws and regulations of China as well as countries and regions where our projects are operated. We are committed to equal employment, strong democratic management, and have formulated mechanisms for incentive pay and wage increments.
- We care for employees by organizing a variety of cultural and sports activities for them, and helping current and retired employees in need.
- To protect employees' occupational health and safety, we have strengthened routine management of occupational health, and provided mental health consultation facilities.
- We have improved staff training by building a composite training model based on on-the-job training and job rotations, and guided by centralized training and individualized training. We have also strengthened professional training programs via all-round training activities.

### Management strategies



**100** %  
Completion rate of proposals from employees' congresses

**100** %  
Employees with formal labor contracts

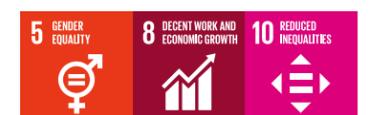
**100** %  
Social insurance coverage

**100** %  
Staff included in our health record system

**0** %  
Occupational disease occurrence rate

Group photo of the members of the Youth Civilization Project of the Dam Project Department of the Baihetan Project Construction Department

### SDG Mapping



# CSR Actions

## Protecting the Rights and Interests of Employees

We protect the rights and interests of our employees in strict accordance with the laws and regulations of China as well as countries and regions where our projects are operated. We have built harmonious and stable labor relations to constantly enhance employees' sense of fulfillment, happiness and security.

### Upholding equal employment

We follow all international conventions, laws and regulations on labor rights. We have extended equal treatment to all employees regardless of their background, and eliminated all forms of discrimination, thus creating a diverse, inclusive and fair workplace for our staff.

### Advancing democratic management

We have ramped up efforts to review proposals submitted by employees, strengthened information disclosure to ensure their right to information, participation and exercise of oversight, and worked to address issues of their concern.

### Improving remuneration and benefits

#### Optimal remuneration systems

- We have carried out salary surveys and promoted best practices in each corporate unit.
- We have formulated special incentives for performance-based salary and total wages to improve the structure of our remuneration system.

#### Employee benefits

- We have made all required old-age insurance, medical insurance, unemployment insurance, work injury insurance, maternity insurance and housing provident fund contributions for our employees. We have increased the size of our enterprise annuity to better support the retirement of our employees.
- We provide employees with assistance in applications for employment and residence permits as well as residence permits for accompanying spouses to improve their job satisfaction.

## Enriching Life at the Workplace

We have held a wide variety of cultural and sports activities, and organized cohesion activities for young staff members. These have helped employees achieve work-life balance and enhanced staff cohesion.

### Organizing cultural and sports activities

We have held cultural activities such as poetry recitation concerts and cultural performances, and established a variety of CTG cultural and sports clubs. These have contributed towards a united, harmonious and healthy corporate culture.

### Caring for employees

We have supported employees facing personal hardships, regularly reached out to our retired staff and female employees, organized family activities for employees, and held birthday celebrations for our staff members.

### Respecting local cultures

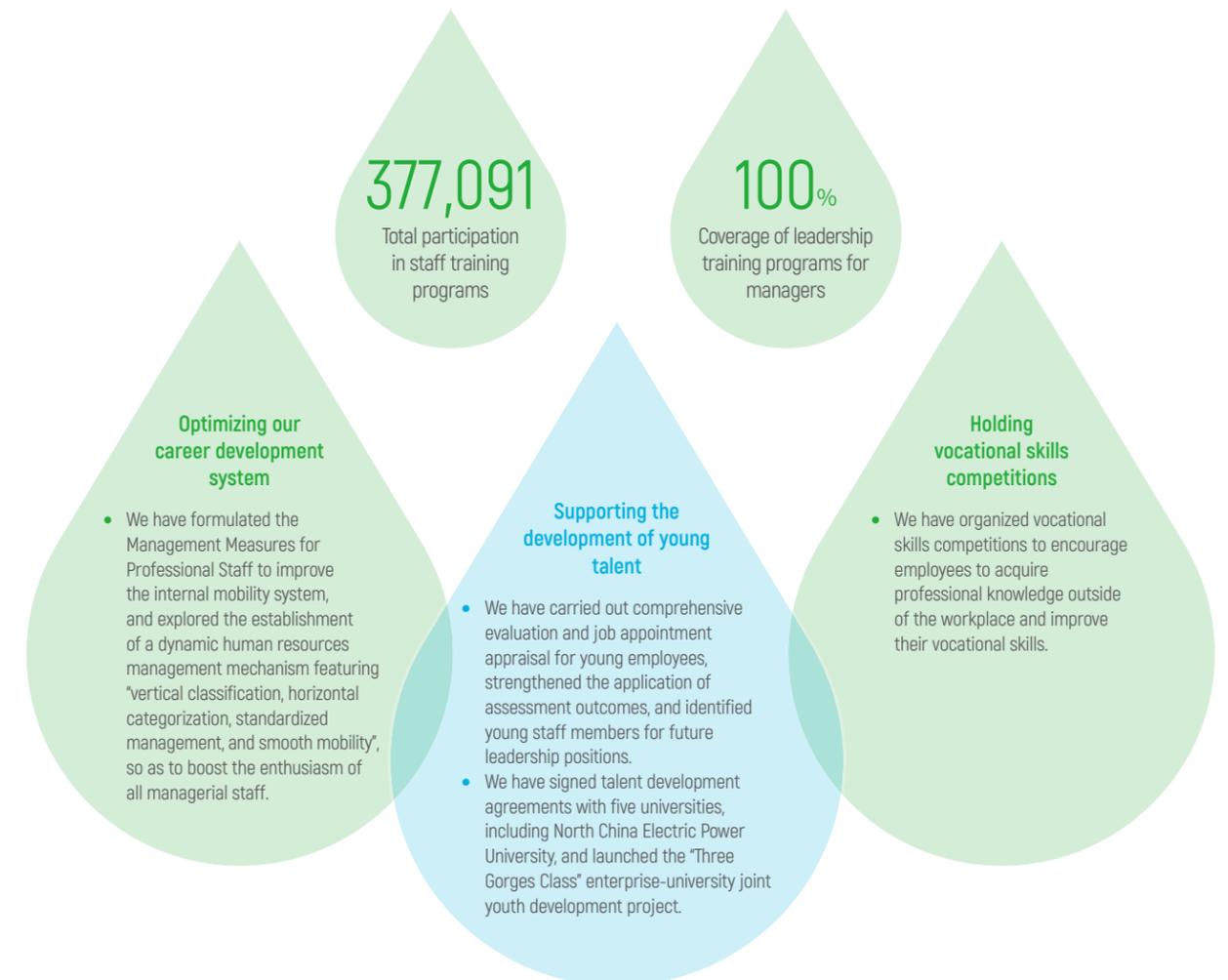
We have respected the cultures and customs of employees from different countries and regions, granted special allowances during festivals, and adjusted work arrangements during special festivals.

## Prioritizing Occupational Health

To safeguard the health of our employees, we have carried out occupational health awareness programs and provided staff members with counseling services. In the face of COVID-19, we instituted precautionary measures that prioritized the physical and mental health of our staff. We encouraged employees to work from home as far as possible, carried out all necessary workplace disinfection measures, and ensure adequate medical supplies.

## Supporting Employee Development

We have improved our talent development system through regular training programs throughout the course of our employees' careers and enhanced human resource management to promote the all-round development of our staff.



## CSR Cases

### Protecting employees' mental health

In the spring of 2020, when COVID-19 was raging in many parts of the world, China International Water and Electric Corporation (CWE) launched a project to provide psychological care for employees and their immediate family members, aiming to help them weather the mental stress caused by the pandemic. Upholding the concept of "always standing by our employees," the project instituted a well-structured system for meeting employees' psychological needs through services such as employee care hotlines, online platforms, youth care days, physical and mental health monthly magazines, and mental health support groups.

### Ensuring the safety of employees during the pandemic with comprehensive planning

In view of the large number of workers from diverse places in construction areas and their high turnover, employee health was a high priority for CTG during the pandemic. We made adequate preparations in terms of planning, materials, and personnel arrangements. We made sound arrangements regarding the arrival dates and quarantine measures for short-staffed positions and key positions, adopted closed-off management, and worked with local governments to ensure adequate production materials and living amenities. We comprehensively strengthened the cleaning and disinfection of office areas, and purchased supplies such as masks and infrared thermometers for employees in the wake of the pandemic. In addition, in order to ensure the safety of all employees, CTG Party organizations as well as their members at all levels stepped forth to support frontline COVID-19 precautionary measures. They took responsibility for employee outreach efforts and COVID-19 awareness campaigns in their respective local areas.

### Construction areas of Baihetan and Wudongde Hydropower Stations established a Communist Youth League work system

In order to strengthen Party leadership and serve the development of young employees, Communist Youth League organizations in the construction areas of the Baihetan and Wudongde Hydropower Stations established a Communist Youth League work system with Party building experience as the theoretical basis and organizational support.

#### Strengthening the leading role of Party spirit

- We encourage employees to read excellent works such as The Governance of China, and have started a column named "Keep in mind the trust placed in us by President Xi" on our WeChat official account.
- We have launched the "Runmiao" and "Dunmiao" workshops for young employees, and carried out training programs in historical bases of the Chinese revolution such as Jinggangshan, and Yan'an.

#### Enhancing employees' competence

- Based on Communist Youth League and Party building efforts, the construction areas of Baihetan and Wudongde have created more than 30 excellent youth groups and youth commandos who focus on urgent, difficult, dangerous, new and important tasks in project construction.

#### Improving young employees' skills

- We have introduced the "two-to-one" mentorship system.
- We have created the "Youth Innovation Workshop" and "Youth Research Group" to enable young employees to improve their skills through teamwork.

### Launching employee care activities on International Women's Day

On March 8, 2020, CTG celebrated International Women's Day by issuing a thank-you letter to female employees, and commending the "best families" to show our concern for employees' family life. Various corporate divisions also launched a variety of novel employee activities, including the online talks by the "best families," distribution of care packages, cooking skill demonstrations, and production of videos with the theme of "all-round female employees".



Employees at the San Gaban III Hydropower Project in Peru celebrate International Women's Day

## Comments from Stakeholders

"I love my job. I learn every day and grow with the company. I have witnessed its rapid transformation into the second largest private power company in Brazil, and I am proud to be part of it!"

—Geicielle Aparecida Vaz, an employee from the Jupia hydropower plant in Brazil

"I'm grateful to my Chinese friends for their selfless help towards Pakistan. The China-Pakistan Economic Corridor has brought tangible benefits to my country. It is a great privilege to serve a project on the corridor, because I am working not only for a Chinese company, but also for the development of Pakistan."

—Adil Ashraf, an employee from Three Gorges Wind Farm Pakistan (Pvt.) Limited

# Being a Good Global Corporate Citizen



**35.52** TWh  
Power generation overseas  
in 2020

**58.78** million  
RMB  
Total value of anti-COVID supplies  
donated overseas

**40**  
Countries and regions covered by  
CTG's clean energy and sustainable  
development infrastructure projects

Local employees in Three Gorges Brazil

## DMA

### Management philosophy

To achieve shared growth through joint consultation and collaboration, CTG is an active adherent to the "Going Global" strategy and the Belt and Road Initiative, driving China's entire hydropower industrial chain of China to "Go Global".

### Management objectives

By promoting orderly cooperation and transformation, we will engage in global competition as a national team by pooling China's leading hydropower enterprises together, and enhance China's hydropower equipment and technology and industry standards, in order to upgrade the industry and compete globally.

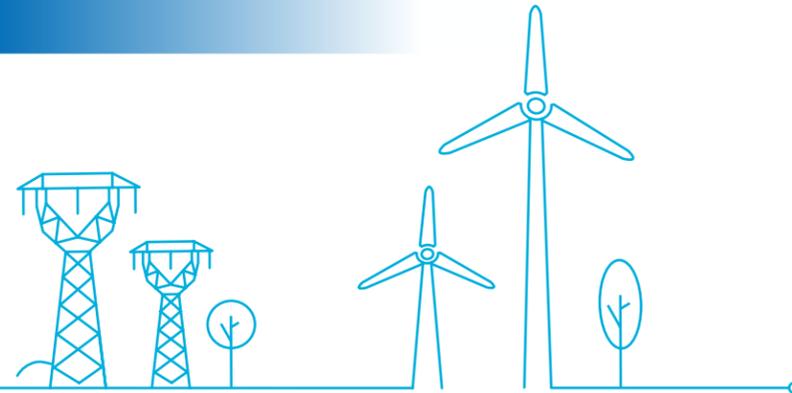
### Management strategies

- Giving full play to industrial investment capacity and advantages from industrial chain integration.
- Building the "Going Global" platform for upstream and downstream enterprises within the hydropower industrial chain through industrial alliances or joint ventures.
- Establishing a platform for international cooperation with key domestic equipment manufacturers with project development as the carrier.

### SDG Mapping



# CSR Actions



China Three Gorges International Corporation (CTG) was named a **Belt and Road Green Productivity Forerunner**.

Nam Kong 1 Hydropower Plant in Laos was named an **Overseas Development Project with Excellence in Safety**.

The 500-kV Transmission Line (Xiengkhuang - M.Naxaythong) project in Laos was named an **International Engineering Project with Excellence in Green Supply Chain Management**.

CTG's Music Bridges International Friendship Against COVID-19, a story about songs for boosting people's morale in the fight against COVID-19, was selected as one of the **Top 10 Outstanding Case Studies in the Overseas Brand Image Building of Chinese Corporations in 2020**.

## Guaranteeing Energy Supply

Upholding the principles of extensive consultation, joint contribution, and shared benefits, we focus on the construction of basic energy facilities and work to guarantee the supply of safe, stable, and sustainable clean energy. Through the construction of high-quality green and innovative projects that help improve people's well-being, we have supported the stable supply of clean energy in host countries.

- The water conservancy project in Santa Elena was accepted.
- Nam Kong 1 Hydropower Plant in Laos started reservoir impoundment.
- The intake tower and the hydropower plant of the Karot Hydropower Project in Pakistan were capped.
- The bridges and roads at the lower reach of the Isimba Hydroelectric Power Station, Uganda, were handed over as scheduled.
- The Upper Mardi Hydropower Station passed acceptance inspection and started to generate electricity 74 days ahead of schedule.

## Deepening Industry-Finance Integration

We have remained committed to mid- and long-term investments in overseas clean energy projects and the integration of global capital with the clean energy industry. We aim to create more large-scale sources of sustainable and renewable energy through overseas M&As and bond issuance.

- The equity of LdS in Peru has been successfully delivered to CTG and a project office in the Andes has been timely established.
- Global depository receipts (GDR) on the Shanghai-London Stock Connect have been successfully issued.
- Equity delivery of the Spanish Daylight photovoltaic power plant project was completed.
- EDP equity management strategies and plans were optimized.
- Successful signing of electricity purchase agreements for the Kohala Hydropower Project in Pakistan and its tripartite agreement with the Pakistani federal government and the AJK government.

## Contributing to Community Development

In line with the principles of long-term cooperation, integration into the local community, striving for balance and mutual benefits, we have participated in local community development programs, helped improve teaching conditions, and protected the local environment, striving to maximize the economic, social and environmental value for the local community.

- **For Europe**, we launched the fifth CTG-Portugal education scholarship activity, sponsored the reconstruction of the library of the Portuguese embassy in China and the sixth Xu Risheng scholarship program, and made donations to the German Autism Medical Center, the University of Applied Sciences Bremerhaven, the Confucius Institute in Bremen, and schools in Gardbusch.
- **In South America**, we sponsored local public welfare programs, including the Guri youth music education project in Brazil, the publication of books by Casarão Juca Antunes, and the "Happy Reading" campaign.
- **In Asia**, we funded the renovation and expansion of the boys' senior high school and girls' junior high school in Hora Village in Pakistan, schools in Viengxay Village and the Huamuer Primary School in Laos, and donated school supplies, cultural and sports supplies, and office supplies to them.

### Education Improvement

### Public Service Improvement

- **In South America**, we funded healthcare improvement in Brazil, donated thermometers, liquid alcohol, and medicines to the local governments and hospitals in places where our projects were launched.
- **In Asia**, we rebuilt or improved general hospitals, clinics, and break rooms, and built water supply projects, parks, and roads in Pakistani regions where our projects were launched. In Laos, we held the Annual Flood Prevention and Early Warning Lecture in collaboration with local organizations, and built wells and auxiliary facilities for villages near our project sites.

### Environmental Protection

- **In South America**, we released about **3.6** million fish fries in the reservoirs of Juvia Hydropower Station and Ilya Hydropower Station in Brazil.
- **In Asia**, we released **50,000** fish fries in the reservoir of Nam Lik 1-2 Hydropower Station and planted 800 trees. In addition, the Phaxay County Waste Treatment Plant, built along the 500-kV Transmission Line (Xiengkhuang - M.Naxaythong) project with donations from CTG, was put into operation.

## Deepening International Exchange

Leveraging international exchange and cooperation platforms and the international arena, CTG has contributed its experience and expertise to the sustainable development of the global clean energy sector.

### International Exchanges

- CTG representatives attended and addressed the Belt & Road Clean Energy Development Forum.
- CTG attended the International Forum on Tackling Climate and Environmental Crisis.
- CTG attended the 2020 Global Energy Interconnection (Asia) Conference
- CTG attended the ICOLD Annual Executive Committee Meeting (Online) as the Chairing Organization of the Special Committee on Joint Operation of Hydropower Stations and Reservoirs.

### Studying and Compilation of International Standards

- As an initiator and convenor of WG36, CTG participated in the revision of relevant standards by the Technical Committee 4 (Hydraulic Turbines) of the International Electrotechnical Commission (IEC/TC4 WG36).
- At IEA Hydro's 37th Executive Committee Meeting and Symposium, CTG introduced its progress in Research Topic 14 - Cascade Reservoir Management Model and released its promotion plan.

# CSR Cases

## Meerwind Offshore Wind Park in Germany sets new record in annual power generation

1.282<sub>TWh</sub>

Power generation of Meerwind Offshore Wind Park in 2020

The 288-MW Meerwind Offshore Wind Park is located in the German Bay of the North Sea. It is the first offshore wind power project in Germany to be fully certified by Det Norske Veritas and also the world's first offshore wind park to receive an investment grade credit rating. As of December 31, 2020, CTG's Meerwind Offshore Wind Park had generated 1.282 TWh of electricity over the year, setting a new record in annual power generation since operations began. It provided sufficient clean power for the local area and contributed to tackling global climate change.

Over 5<sub>TWh</sub>

Total electricity generated by the Nam Lik 1-2 Hydropower Plant over the years

## Nam Lik 1-2 Hydropower Plant wins Laos' National Labor Medal

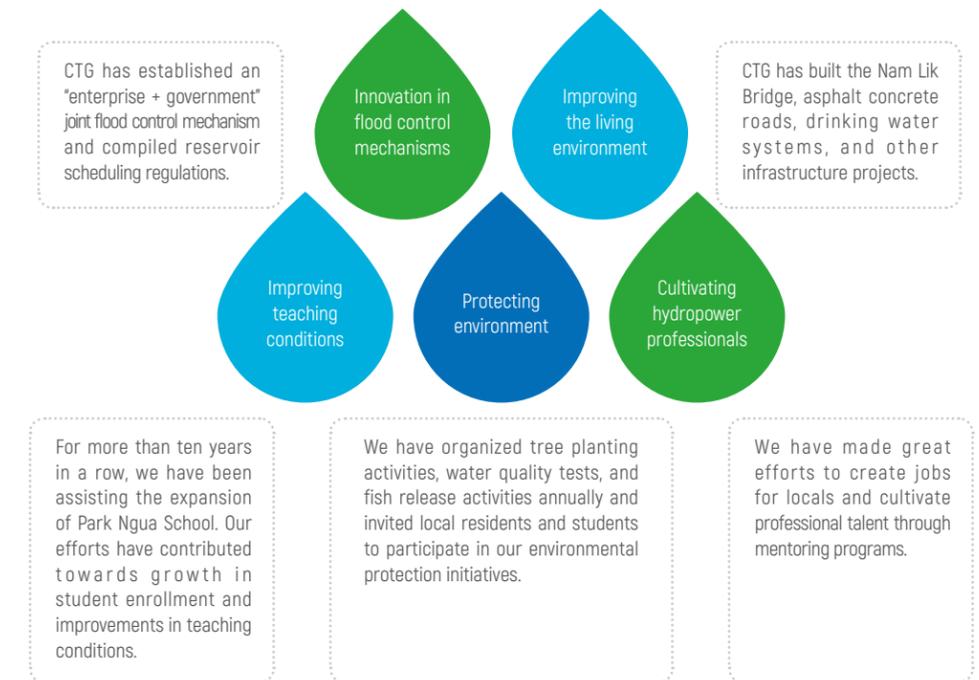
The Nam Lik 1-2 Hydropower Plant has been in operation for more than ten years since 2010. So far, the plant has generated more than 5 TWh of electricity and significantly enhanced the stability and reliability of the power supply in Vientiane and central Laos. The plant has also fulfilled its corporate social responsibilities through contributions towards infrastructure development and sustainable development in local communities.

## First group of generating units at the Souapiti Hydropower Plant Project in Guinea put into operation

450<sub>MW</sub>

Total installed capacity

Known as the "Three Gorges Project of West Africa," the Souapiti Hydropower Station is a key livelihood EPC project in Guinea as well as wider West Africa undertaken by China International Water and Electric Corporation (CWE). The station has an installed capacity of 450 MW and an average annual power generation capacity of 1.899 TWh. It is connected to the Keleta Substation through an 8.7-km double-circuit 225-kV transmission line. Once completed, the Souapiti Hydropower Station will fundamentally remedy power shortages in Guinea and accelerate the country's industrial development. Through interconnected power grids in West Africa, the station will be able to supply power to neighboring countries such as Senegal, Mali, and Guinea-Bissau, and benefit the peoples of many West African countries.



## CTG carries out largest GDR issuance in China

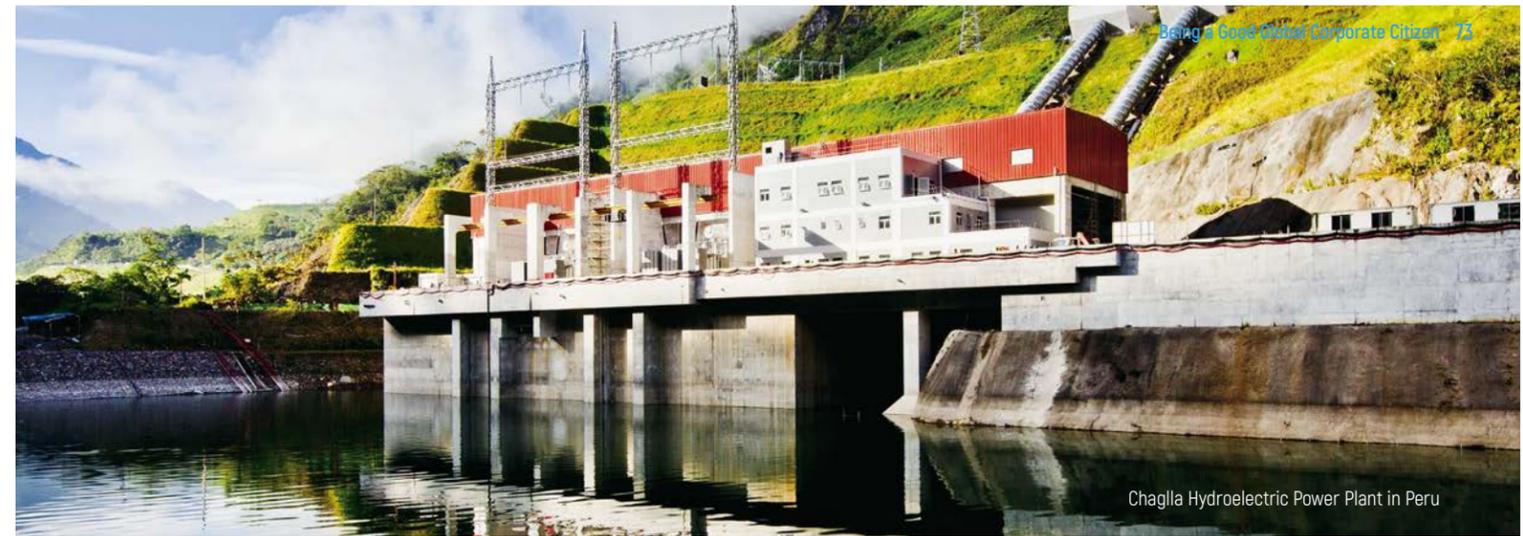
On September 25, 2020, China Yangtze Power Co., Ltd. (hereinafter referred to as "CYPC") issued 76 million GDR shares through the Shanghai-London Stock Connect based on 760 million A-shares, and was publicly listed on the London Stock Exchange on September 30. This GDR issuance is the largest by a Chinese company and also a milestone for the deep integration of Chinese companies in the international capital market and their further globalization. Since then, CYPC has officially become an A-share company with a GDR issuance.

## Acquisition of LdS, Peru was the largest acquisition in China's power sector in 2020

On April 24, 2020, CYPC completed the acquisition of 83.6% of the equity of Luz del Sur, Peru (hereinafter referred to as "LdS"). It is the largest acquisition in China's power sector and one of the most important global M&As in recent years. Fully respecting and trusting the company's current corporate governance structure and management team, CTG strives to bring out the best of complementary advantages and synergies between both sides, and support the company's development in hydropower development, distribution network technology innovation, and other fields through professional, market-oriented, and localized solutions. We aim to help LdS grow stronger, better, and bigger, and have joined hands with LdS to improve our services for the Peruvian people and improve local livelihoods.



CYPC-LdS equity delivery ceremony



# Comments from Stakeholders

"Among all the groups, CTG and EDP were the first to call us... CTG offered to help us before we made a request. We will always remember this."

—José Augusto Duarte, Portuguese Ambassador to China

"CTG provided us with medical supplies and equipment when we were in urgent need. I think this is a testimony of the long-term friendship between Peru and CTG."

—Luis Quesada, Peruvian Ambassador to China

"The hydropower projects and power transmission and transformation line projects undertaken by CTG in Laos, once completed, will make a significant difference to Laos' socio-economic development. First, the construction of power projects helps alleviate power shortage in Laos, thus reducing poverty in areas near these projects and promoting local social and economic development. Second, these power projects create jobs for local residents during their construction and operation, cultivate local talents in the construction and management of hydropower projects, and improve the skills of professionals in the local hydropower sector. Third, CTG actively fulfills social responsibility. It provides timely help to local people during difficulties and disasters to help them pull through."

—Mr. Sonexay SIPHANDON, Deputy Prime Minister of Laos

"Water availability has transformed our villagers' life overnight. The Chinese engineering team helped us repair the canals and irrigation stations. We now have sufficient water every day, and crop production has been increasing."

—Kimi, head of Progreso Village, Guayas Province, southwest Ecuador



# Giving Back to Society



## Management philosophy

Studying and practicing President Xi Jinping's important statements on the poverty alleviation, CTG is an active adherent to China's poverty alleviation policies. The Corporation assumes the social responsibilities as a central SOE and plays an exemplary role in the fight against poverty.

## Management objectives

CTG gives play to the role of hydropower project construction in driving local economic development with the focus on fixed-pointed poverty alleviation counties as well as areas in extreme poverty and the local residents, helping to lift impoverished counties out of poverty and supporting China in winning the anti-poverty war and building a moderately prosperous society in all aspects, so as to become a significant contributor to guarantee and improve people's well-being.

## Management strategies

- Continuously devoted to the fixed-point poverty alleviation.
- Aiding Xinjiang, Tibet and Qinghai actively.
- Taking targeted measures to help the minority groups in Sichuan and Yunnan shake off poverty effectively.
- Providing solid assistance to resettled residents in the reservoir areas.

RMB **3.4** billion  
Total funds donated by CTG in 2020

**389**  
CSR projects implemented

RMB **66.31** million  
Value of agricultural and sideline products purchased and sold by CTG in 2020

Aid to build a resettlement site for poverty alleviation and relocation in the old town of Yingjiang County, Yunnan Province, "Wuhe Jiyuan"

## SDG Mapping



# CSR Actions

## Resident Resettlement

CTG strives to realize the goals of smooth relocation and resettlement and providing relocated residents with the means to better themselves. We have steadily carried out resettlement efforts in reservoir areas of the Wudongde and Baihetan Hydropower Stations, and created a safe, comfortable and stable economic and living environment for resettled residents.

- **Baihetan Reservoir Area:** Homes in **12** resettlement sites in Yunnan Province have been delivered to local residents. Construction of public facilities have been basically completed and are ready for use. The construction of homes in **35** resettlement sites in Sichuan Province has been completed. Homes in 32 resettlement sites have been fully delivered or partially delivered by district.
- **Wudongde Reservoir Area:** The construction of homes in **24** resettlement sites has been completed along with most of the infrastructure. Local public services have been significantly improved compared to the past.

# 32,236

Resettled residents from the Wudongde Reservoir Area

# 101,343

Resettled residents from the Baihetan Reservoir Area

## Dedicated to Targeted Poverty Alleviation

CTG has continued to increase the allocation of funds for targeted poverty alleviation and developed multiple approaches and channels at all levels to fight against poverty in Wushan County and Fengjie County in Chongqing, Wan'an County in Jiangxi Province, and Bairin Left Banner in Inner Mongolia. We have increased funds for targeted poverty alleviation to RMB 100 million per county, and fulfilled our commitments made in the 2020 Letter of Responsibility for Target Poverty Alleviation in accordance with high standards and high quality.

- **4** leading executives and **4** first secretaries dispatched by CTG to undertake temporary positions.
- RMB **400** million allocated to 48 poverty alleviation projects implemented by CTG.
- **4,994** grassroots leaders and **5,033** technicians trained.

## Aiding Xinjiang, Tibet, and Qinghai

CTG has continued to increase its support for Xinjiang, Tibet, and Qinghai to promote ethnic solidarity as well as the prosperity and stability of the border areas at all levels and in all aspects.

- **Xinjiang:** We have donated RMB **10** million to support **1,958** tertiary and secondary vocational school students in Pishan County. We have also donated RMB **2.6** million to the renovation of campus buildings in primary and secondary schools and kindergartens in the county, and RMB **2.4** million to support capability development programs for local officials.
- **Tibet:** We have donated RMB 150 million to the fund for "developing border areas and enriching local residents," and RMB **3** million to the construction of multi-functional cultural activity rooms and supporting facilities in villages in Nagqu, Tibet. In addition, we have purchased more than RMB **3** million of products from Tibet.



Over RMB **1.7** billion

Total contribution in poverty alleviation in 2020



**275**

Poverty relief projects implemented in 2020

## Helping Ethnic Minority Groups in Sichuan and Yunnan

CTG has proactively allocated more funds to areas of extreme poverty in Tibet, the four southern administrative districts of Xinjiang, Tibetan areas of Qinghai, Sichuan, Yunnan and Gansu, Linxia Prefecture, Liangshan Yi Autonomous Prefecture and Nujiang Prefecture. We have helped all members of the Yi ethnic group in Liangshan, Sichuan Province, and the Nu, Pumi and Jingpo ethnic groups in Yunnan Province free themselves from poverty, ensuring that the solemn commitment of "leaving no one behind on the road towards a moderately prosperous society in all respects" is fully fulfilled.

- After investing RMB **3.6** billion in poverty relief funds for the Yi ethnic group in Liangshan Yi Autonomous Prefecture of Sichuan Province, and the Nu, Pumi, and Jingpo ethnic groups in Yunnan Province, we invested another RMB one billion from 2019 to 2020 to support the fight against poverty in poor areas such as Zhaotong, Yunnan Province, and Liangshan Yi Autonomous Prefecture in Sichuan Province.

## Providing All-Round Assistance in the Reservoir Areas

In line with our hydropower development philosophy of "building a hydropower station to facilitate local economy, improve the environment and benefit relocated residents," CTG attaches great importance to protecting the ecological environment in the Three Gorges Reservoir Area and the Jinsha River Reservoir Area, as well as assistance for resettled residents from these areas. We have continued to boost the endogenous impetus for economic growth in the reservoir areas to help lift local residents out of poverty and improve their living standards.

- CTG has invested RMB **275** million in 58 projects in the Three Gorges Reservoir Area.
- CTG has invested RMB **152** million in 60 projects in the Jinsha River Reservoir Area.

CTG has been rated Outstanding for the third consecutive year in the Annual Assessment for Performance in Targeted Poverty Alleviation among units of the central government and the Party, and was ranked third among all central SOEs nominated for the **Donor Award** and the **Donor Award for COVID-19 Response** during the 11th China Charity Awards.

CTG won the **Award for Poverty Alleviation** during the **15th People's Awards for Social Responsibility**.

CTG won the title of **Fighting Against Poverty-Top Ten Energy Contributors to Poverty Alleviation**.



## Engaging in Public Welfare

We have remained true to our original aspiration and striven to give back to society by engaging in public welfare undertakings and contributing to the harmonious development of society.

- We have invested about RMB **100** million to facilitate the resumption of our projects for well-coordinated environmental conservation in the Yangtze River Basin.
- We have invested RMB **500** million to support the development of Hubei Province after the COVID-19 pandemic.
- We have invested RMB **800** million in the Guangyang Island project in Chongqing.



## CSR Cases

### Residents settled in the first resettlement site in Baihetan Reservoir Area

On November 18, 2020, a total of 215 residents from 49 households moved into their new homes at the Mali resettlement site in Huidong County, Sichuan Province. This is the first resettlement site in the Baihetan Reservoir Area where all residents have been resettled, marking the start of the final stage in resettlement tasks for the Baihetan Hydropower Station and laying a solid foundation for the station to store water and generate electricity as scheduled.

With orderly rows of new houses and streetlights lining clean roads, as well as convenient transportation access and comprehensive public service facilities such as schools, hospitals, and markets, local residents have seen their living standards greatly improved.



The Mali resettlement site in Huidong County, Sichuan Province

### Helping all members of four ethnic minorities in Sichuan and Yunnan free themselves from poverty

Nujiang Prefecture in Yunnan Province and Liangshan Prefecture in Sichuan Province used to be areas of extreme poverty due to historical, natural, and social factors. CTG actively responds to the central government's poverty alleviation policies and strategies. Since 2016, we have signed agreements with the provincial governments of Yunnan and Sichuan to assist the Nu, Pumi, and Jingpo ethnic minorities in Yunnan Province and the Yi people living in Liangshan Prefecture, Sichuan Province, in the fight against poverty.

During a critical stage in poverty alleviation, CTG leveraged its strengths and invested a large amount of capital in poverty relief. Based on the economic, social and cultural characteristics of areas inhabited by ethnic minorities, we have taken measures to facilitate the construction of housing projects and infrastructure, and promote the development of local industries, education, health care, ecological protection. These have achieved the transition of poverty alleviation goals from "meeting basic needs" to "helping create prosperity for the people," as well as an expansion of poverty alleviation efforts from individual localities to the entire region. We have invested RMB 3.6 billion in poverty alleviation funds, directly or indirectly benefiting more than 270,000 people, and fulfilled the solemn commitment of "leaving no one behind on the road towards a moderately prosperous society in all respects." In November 2020, all members of these four ethnic minorities in Sichuan and Yunnan provinces were lifted out of poverty.

RMB **3.6** billion

Total funding to help four ethnic minorities in Sichuan and Yunnan lift themselves out of poverty over the years

**270,000**

People directly or indirectly benefited

### Supporting education in Liangshan Prefecture, Sichuan Province

On the seventh Poverty Alleviation Day, which fell in 2020, CTG donated RMB 19.971 million to Liangshan Prefecture, Sichuan Province through the CTG Educational Support program to improve the learning environment for impoverished students and help them change their destiny through education. Since the signing of the CTG Educational Support Framework Agreement with the Liangshan Prefecture People's Government in 2018, we have allocated a total of RMB 39,791,600 in educational funding for the Three Gorges Scholarship Program, the Three Gorges Remote Class Program, the Three Gorges Candlelight Action and the Three Gorges Inspirational Class. At present, the CTG Educational Support program has covered more than 30 districts and counties in 9 prefectures and cities in the Jinsha River Reservoir Area in Sichuan and Yunnan, bringing hope to local children and inspiring their growth.

RMB **19.971** million

Total funds donated to Liangshan Prefecture, Sichuan Province through the CTG Educational Support program in 2020

### CTG's poverty alleviation ultra-short-term financing bond received 2020 Best Renewable Energy Bonds of China award

CTG promotes innovative CSR financing. To fulfill our social responsibility as a central SOE, we have issued various labeled bonds for raising low-cost funds, thus contributing to COVID-19 response, poverty alleviation, and green development. We raised RMB 3.15 billion through two issuances of COVID-19 response bonds, and RMB 6 billion through two issuances of poverty alleviation bonds, among which an RMB 3 billion ultra-short-term poverty alleviation bond won the 2020 Best Renewable Energy Bonds of China award from The Asset magazine.

**RMB 126 million**  
 Medical assistance funds in Wushan County and Fengjie County of Chongqing City

## Healthcare security for impoverished residents

CTG is committed to improving basic healthcare conditions and services. We have invested RMB 126 million to establish medical assistance funds in Wushan County and Fengjie County of Chongqing City. In view of Chongqing's policy on one-stop settlement of medical expenses, we have provided assistance for needy patients who had to pay over 10% of their total medical bills by themselves. This has benefited more than 80,000 impoverished residents. The assistance funds have effectively alleviated financial pressures on needy patients and reassured them that illness does not mean a return to poverty.

## The most beautiful resettlement project in Nujiang Lisu Autonomous Prefecture, Yunnan

Most of the deeply impoverished people in Nujiang Lisu Autonomous Prefecture, Yunnan Province used to live in valleys surrounded by towering mountains. The poverty alleviation-oriented resettlement project in Zhiziluo Village, Pihe Nu Township, Fugong County, Nujiang Lisu Autonomous Prefecture, Yunnan Province, aided by CTG, turned thatched houses in the local area into safe and stable apartments, ending the need to live with livestock under the same roof. More than 400 Nu residents have moved to their new houses, greatly improving their living conditions. The eight apartment blocks are built in a traditional architectural style that complements the natural landscape, dotted with tea mountains nearby and the Huangguan Mountain right across the river. The project has come to be known as the most beautiful resettlement site in Nujiang Lisu Autonomous Prefecture, Yunnan Province.



CTG aids the construction of the resettlement project in Zhiziluo Village, Pihe Nu Township, Fugong County, Nujiang Lisu Autonomous Prefecture, Yunnan Province



Villagers in Xigou Village reap a bountiful harvest

## Empowering agriculture in Bairin Left Banner through technology

Given that three-fourths of the 533 hectares of arable land in Xigou Village, Bairin Left Banner, Inner Mongolia are dry and arid, crop yields depend heavily on weather conditions. In 2019, CTG joined hands with The Nature Conservancy to promote whole plastic-film sowing technology on double ridges in Xigou Village. These involve thin plastic films that can retain water, cover weed, and suffocate pests, thus helping local farms to save time and labor, as well as grow organic crops. The technology has helped local farmers double crop yields and increase their income from a hectare of millet by RMB 7,500. Villagers used the time saved to develop aquaculture and plant other crops, thus enriching industry diversity and broadening the paths towards prosperity. In 2020, Xigou Village expanded the application of whole plastic-film sowing technology on double ridges from 20 hectares to 333 hectares.

**RMB 7,500**  
 Increase in income from each hectare of millet

## Building beautiful villages to boost rural tourism

Since October 2019, CTG has assisted Ganyuan Village, Wushan County, Chongqing in building a rural vitalization demonstration project. Based on the popular agritourism model, CTG has helped renovate 36 homes belonging to 38 households in the village, as well as built public toilets, parking lots, sightseeing tracks, cultural manors, and other facilities, beautified 76.3 hectares of roadside landscapes, and upgraded waste recycling and transportation facilities.

In July 2020, Ganyuan Village was named one of the second batch of national key rural tourism villages. In September 2020, the village was named one of China's Beautiful Leisure Villages by the Ministry of Agriculture and Rural Affairs. The beautiful village is not only attractive to tourists, but has also attracted more local young farmers to return to their hometown to start businesses. In the past two years, more than 600 villagers have returned to their hometown to start businesses and help invigorate the village.



Ganyuan Village, Wushan County, Chongqing

## Leveraging CTG's strengths to create a new ecology in Wan'an County

Focusing on the new-energy sector, CTG fully leverages its own strengths in establishing a new-energy industry poverty alleviation fund in Wan'an County, Jiangxi Province. We have compiled the New-Energy Development Plan for Wan'an County to inspire local new-energy development. We won the bid for the 100-MW fishery-solar complementary project in Wan'an County, which is estimated to contribute RMB 10 million to local fiscal revenue and generate new areas of growth for the local clean energy sector. At the same time, we have actively promoted well-coordinated environmental conservation in the Yangtze River Basin, implemented the "poverty alleviation + ecological progress" targeted poverty alleviation model, and accelerated the construction of the "Well-coordinated Environmental Conservation in the Yangtze River Basin by Jiangxi: Demonstration Project of the Most Beautiful Coastline of Ganjiang River (Wan'an Section)," supporting Wan'an County in improving the natural environment and reducing poverty.



The Fishery-Solar Complementary Poverty Alleviation Project in Tongjin Village, Yaotou Town, Wan'an County, Jiangxi Province



CTG provides funding assistance for the tofu skin industry in Gaopi Town, Wan'an County, Jiangxi Province

# Comments from Stakeholders

"My family has lived in Dahua Village for generations. With support from CTG, we managed to move to a spacious and bright new house. This was something I did not even dare to imagine. With the help of the Party committee, the government, and CTG, I am now receiving training on culinary skills. I believe that with my own efforts, I will live a much better life in the future."

—Geyiza, a villager of Dahua Village, Yuexi County, Liangshan Yi Autonomous Prefecture, Sichuan Province

"We plant fruit trees and open rural inns. There are opportunities to make money everywhere in the countryside. I was born in the 1990s, I am full of confidence in rural revitalization."

—Peng Bin, a villager of Ganyuan Village, Quchi Township, Wushan County, Chongqing

## Outlook for 2021

In 2021, the world economy is expected to rebound and the Chinese economy is facing a more promising future. As the world's largest hydropower developer and operator and China's largest clean energy group, CTG will maintain its strategic positioning, strive to realize a two-pronged strategic business layout featuring clean energy development and eco-environmental protection of the Yangtze River, and give full play to its "Six Roles" to effectively support China's energy security. We aim to lead efforts for well-coordinated environmental conservation in the Yangtze River Basin, work to build ourselves into a world-class enterprise, and pursue the greatest benefits for the people. We will make every effort to contribute to rural revitalization and the attainment of peak carbon emissions and carbon neutrality. We will keep striving towards green and low-carbon development and a beautiful homeland for mankind.

## Communicating Key Sustainable Performance

### Economic Performance

#### Responsibility of Shareholders

Indexes	2018	2019	2020
Revenue (RMB billion)	93,938	99,255	111,656
Revenue growth rate (%)	4.36	5.66	12.49
Net profit growth rate (%)	2.92	-0.13	29.52
Return on net assets (%)	9.16	8.61	10.16

Note: As of the date of the release of the report, the data have not been audited.

#### Technological Innovation

Indexes	2018	2019	2020
Investment on technology and R&D (RMB million)	1,875,1524	2,676	3,366.93
Number of staff in science and technology (persons)	2,266	3,799	3,845
Proportion of staff in science and technology (%)	10.7	15.8	15.1
Applying patents (number)	361	629	751
New patents (number)	310	464	435
Major innovation awards (number)	30	22	25

#### Management of Supply Chain

Indexes	2018	2019	2020
Suppliers (number)	24,701	35,273	42,015
Annual new suppliers (number)	7,374	10,572	6,742
Annual suppliers evaluations (number)	8,041	9,434	11,027

#### Power Generation Abroad

Indexes	2018	2019	2020
Total consolidated capacity (MW)	8,658	9,349	9,487
Minority-equity based capacity (MW)	8,580	8,370	6,850
Under-construction capacity (MW)	1,250	1,300	1,390
Gross generation (GWh)	37,890	35,210	35,520

### Power Generation<sup>1</sup>

Indexes	2018	2019	2020
Total consolidated capacity (GW)	70.302	74.954	87.604
Minority-equity based capacity (GW)	21.69	24.51	26.19
Under-construction capacity (GW)	35.51	31.72	26.73
Proportion of clean energy capacity in total capacity <sup>2</sup> (%)	96.3	93.8	94.7
Gross generation (TWh)	290.16	289.48	330.5

Note: 1. Including overseas power generation. 2. Excluding minority-equity based capacity and capacity under construction.

## Environmental Performance

### Responsibility of Shareholders

Indexes	2018	2019	2020
Total investment in environmental protection (including water and soil conservation) (RMB million)	1,283	16,733	32,597
Assessment proportion of environmental and social impacts on undergoing new projects (%)	100	100	100
Emission reduction benefit of clean energy in China (equals to emission reduction of carbon dioxide, per million ton)	19,944.95	18,782.41	23,221
Emission reduction benefit of clean energy in China (equals to saving the use of standard coal, per million ton)	77.6975	73.1687	84.90

## Social Performance

### Government Responsibility

Indexes	2018	2019	2020
Total taxes (RMB million)	22,396	22,650	19,371
Proportion of legal review on corporate rules and regulations (%)	100	100	100
Proportion of legal review on corporate economic contracts (%)	100	100	100
Proportion of legal review on significant corporate economic decisions (%)	100	100	100

Note: The total tax contribution includes international taxation.

### Comprehensive Benefits

Indexes	2018	2019	2020
Total flood retention volume by the Three Gorges, Xiluodu and Xiangjiaba (billion m <sup>3</sup> )	15	9.8	35.5
Total days of water supplement for middle and lower reaches of the Yangtze River in dry season by the Three Gorges (day)	153	124	164
Water supplementing amount for middle and lower reaches of the Yangtze River in dry season by the Three Gorges (billion m <sup>3</sup> )	22.67	23.25	22.92
Actual loading freight volume of Three Gorges lock (million ton)	142	146	137

Note: There is an update to figures for water released to the middle and lower reaches of the Yangtze River by cascade reservoirs during dry seasons in 2018 and 2019.

### Employee Responsibility

Indexes	2018	2019	2020
On-duty staff (number)	23,404	23,996	25,472
Coverage of social insurance (%)	100	100	100
Membership rate of Labor Union (%)	98.77	99.8	99.6
Paid annual leave per capita (day)	9.3	9.5	9.5
Signing rate of labor contract (%)	100	100	100
Completion rate of proposals in the Workers' Congress (%)	100	100	100
Occupational injury rate (%)	0	0	0
Occupational disease rate (%)	0	0	0
Coverage of health insurance (%)	100	100	100
Female employees' returning rate after maternity leave (%)	100	100	100
Total training hours (h)	3,640,884	3,409,749	4,875,483
Number of trainees (person-times)	202,071	239,059	377,091
Employee satisfaction (%)	100	100	100

### Work Safety

Indexes	2018	2019	2020
Contingency plans (number)	1,257	2,042	2,307
Emergency drills (number)	1,756	1,015	1,525
Number of trainees (person-times)	98,625	157,680	185,637
Investment in work safety (RMB million)	5.65	5.92	6.19
Casualties (number)	0	0	0
Major equipment accidents (time)	0	0	0

### Community Engagement

Indexes	2018	2019	2020
Total amount of donations (RMB million)	1,412	2,600	3,400
Voluntary service team (number)	57	59	59
Voluntary service bases (number)	183	187	187
Registered volunteers (number)	9,866	10,360	10,360

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# Third-party Evaluation

2020 Sustainability Report of China Three Gorges Corporation (hereinafter referred to as "the report"), themed "An Enterprise Dedicated to Betterment of the People," includes concise content, vivid pictures, detailed and accurate data. It presents CTG's CSR philosophy, actions, and achievements from all aspects.

**CTG has aligned its CSR management with international standards.** In response to relevant requirements of the United Nations Global Compact, the report has carried out a materiality analysis centering on identified key topics, such as human rights, inclusion, environmental protection, and green development. In the "SDG Mapping" section, the report introduces CTG's CSR performance and contributions to UN SDGs. Per GRI Standards, the report has included a DMA section for disclosing CTG's management philosophy, management objectives, and management strategies. It has introduced CTG's efforts to become a world-class CSR model and its specific CSR initiatives in detail, and has set new trends for CSR management in the clean energy sector.

**CTG responds to hot-spot issues with CSR practices.** In the CSR Feature section, the report has focused on key hot-spot issues in 2020 and disclosed CTG's key CSR practices and performances in fighting COVID-19, poverty and devastating floods, the supply of clean power for Beijing 2022, and a summary of its efforts over the 13th Five-year Plan period. It fully demonstrates CTG's aspiration of "Building the Three Gorges for a Greater China," reflects CTG's persistence in putting the interests of the nation and the people first, and CTG's great sense of responsibility towards national development and the people's wellbeing.

**CTG has conducted CSR communication with sincerity and transparency.** The report honestly, comprehensively, and systematically discloses the risks and opportunities faced by CTG during its business operations and CSR fulfillment, as well as the comprehensive economic, social, and environmental value created by CTG. The "Comments from Stakeholders" section at the end of each chapter allows readers to truly understand the economic, social, and environmental value created by CTG and adds a warm touch to the report.

This is the 11th sustainability report released by CTG. In addition to maintaining the same high quality as previous reports, it has achieved many breakthroughs. It is an excellent report with innovative and substantive content, which demonstrate CTG's role of a "ballast stone" and "stabilizer" for the national economy as a central SOE, and shows CTG's confidence and resolve in responding to the requirements of the times and the concerns of stakeholders. I hope that CTG can further leverage its expertise during the 14th Five-year Plan period to create greater economic, social and environmental value, and become a world-class CSR model.

**Qian Xiaojun**

Associate Dean of Schwarzman College

Director of the Research Center for Green Economy and Sustainable Development

Tsinghua University

## Feedback Form

Dear Readers:

Thank you for reading *2020 Sustainability Report of China Three Gorges Corporation*. We hope to receive your feedback on our social responsibility work and this report. Your suggestions are an important for our continuous improvement of CSR management and practice. You can fill in this form or cut this form below and send the feedback to us by letter, email, or fax. Your valuable opinions will be appreciated.

Please tick "✓" the corresponding answer.

1. Do you think this report reflects the significant impact of CTG on the economy, society and the environment?

Yes                       Maybe                       No

2. Do you think the stakeholders and their relationship with CTG identified in the report is accurate and comprehensive?

Yes                       Maybe                       No

3. Do you think the information disclosed in this report is comprehensive?

Yes                       Maybe                       No

4. Do you think the information disclosed in this report is readable?

Yes                       Maybe                       No

### Open questions

1. What other issues or topics do you think should be disclosed in this report?

2. What other improvements can we make to this report?

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## About This Report

### Reporting Period

This report covers the period from January 1, 2020 to December 31, 2020 and also includes additional content and information that predates the stated reporting period.

### Reporting Cycle

This is an annual report and it is also the eleventh Sustainability Report released by China Three Gorges Corporation since 2010.

### Compliance Conformance

This report was compiled in accordance with *ISO 26000: Guidance on Social Responsibility(2010)*, the *GRI Standards* by the Global Reporting Initiative (GRI), *GB/T 36001-2015: Guidance on Social Responsibility Reporting and Guidelines on Corporate Social Responsibility Reporting for Chinese Enterprises (CASS-CSR4.0)* by the Chinese Academy of Social Sciences.

### Terms of References

China Three Gorges Corporation will be referred to herein as "CTG", "the Corporation" and "we".

### Reporting Scope

This report covers CTG as a whole.

### Data Sources

The data cited in this report derives from *China Three Gorges Corporation Annual Report 2020*, official documents of CTG, and statistics reports.

### Reliability Assurance

Information disclosed in this report is verified, reliable, and timely and is aligned with CTG's strategy for sustainable development. It addresses the major concerns of the stakeholders in this report, and it also summarizes CTG's Corporate Social Responsibility (CSR) performance.

### Obtaining the Report

This Report is available in Chinese and English versions and in print and electronic formats. For hard copies, please email [szbg@ctg.com.cn](mailto:szbg@ctg.com.cn) or call+86-10-57081850. For electronic copy, please visit this website: [www.ctg.com.cn](http://www.ctg.com.cn), or scan the QR code on the back cover of the print format to download.

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CTG Philanthropy

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