



# 光大綠色環保 Everbright Greentech

中國光大綠色環保有限公司  
CHINA EVERBRIGHT GREENTECH LIMITED  
(於開曼群島註冊成立之有限公司)  
(Incorporated in the Cayman Islands with limited liability)  
(STOCK CODE 股份代號: 1257)

## 2018 Sustainability Report 可持續發展報告



To Create  
**Better**  
**Investment Value**  
and Undertake  
**More**  
**Social Responsibility**

創造 更好投資價值  
承擔 更多社會責任





WANG TIANYI  
王天義  
Chairman  
主席

2018 is a year of exceptional significance in the development of China's ecological civilisation. Being included in the master plan for "balanced economic, political, cultural, social and ecological progress" in the report of the 19th National People's Congress of the Communist Party of China, the concept of ecological civilisation was incorporated into the Constitution of the PRC, ecological civilisation assumed an increasingly important role and status in the national governance regime. The Ministry of Ecology and Environment was established by the State Council of the PRC, signifying a new phase of development for China's ecological and environmental protection. In addition, a number of heavy-weight action plans have been progressively implemented, including the "No-waste City" Pilot Construction Work Plan, Soil Pollution Prevention and Control Law of the PRC, Notice in Relation to the Integrated Development of Bulk Solid Waste Utilisation Industry, etc.

In China, the full-scale battle for the protection of blue sky, clear water and clean land has begun, Everbright Greentech has thrived in a larger context where opportunities and challenges co-existed. Meanwhile, it will remain committed to pursuing development that is driven by technological innovation, seeking continuous improvement with strong foundation, and contributing to the sustainable development of the environmental protection industry in China.

零一八年是中國生態文明建設進程中意義非凡的一年，十九大報告把生態文明建設納入「五位一體」總體佈局，明確寫入國家憲法，進一步提升生態文明建設在國家治理體系中的地位與作用。國務院組建生態環境部，標誌著我國生態環境保護事業進入全新的發展階段。此外，多個重量級環保實施方案亦已相繼推出，包括《「無廢城市」建設試點工作方案》、《中華人民共和國土壤污染防治法》、《關於推進大宗固體廢棄物綜合利用產業聚集發展的通知》等。

中國的藍天、碧水、淨土保衛戰已全面展開，光大綠色環保亦在機遇與挑戰並存的大環境下蓬勃發展，並將一如既往，堅持以技術創新為引領，在穩健發展的基礎上不斷改革提升，行穩致遠，為中國環保行業的持續健康發展作出貢獻。

**EVERBRIGHT GREENTECH  
SUSTAINABILITY REPORT  
光大綠色環保可持續發展報告**

# 2018

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China Everbright Greentech Limited (“Everbright Greentech” or the “Company”, together with its subsidiaries, the “Group”) is a professional environmental protection service provider in China, focused on integrated biomass utilisation, hazardous and solid waste treatment, environmental remediation and solar energy and wind power business, which has been listed on the Main Board of The Stock Exchange of Hong Kong Limited (the “Stock Exchange”) since 8 May 2017 (stock code: 1257).

The Sustainability Report 2018 (the “Report”), is the Group’s second standalone sustainability report, which covers the Group’s key sustainability statistics and achievements during the period from 1 January 2018 to 31 December 2018 (the “Reporting Period”). This Report has been prepared in accordance with the GRI Standards: Comprehensive option<sup>(1)</sup>, its Electric Utilities Sector Disclosures as well as the Environmental, Social and Governance (“ESG”) Reporting Guide published by the Stock Exchange. By these means, the material issues were covered in a more comprehensive manner. Besides, the Sustainable Development Goals (“SDGs”) of the United Nations (“UN”) have been fully integrated into the Group’s environmental and social management strategies to reflect its commitment to tackling the world’s most pressing issues.

The data and information disclosed in the Report were based on materiality assessment, stakeholder engagement and other relevant sustainability reporting guidelines, covering the sustainability performance of the Group’s headquarters in Hong Kong and Shenzhen, and all operating projects under the Group’s operational control during the Reporting Period<sup>(2)</sup>. The relevant entities of the Group can be found in the Group’s Annual Report 2018 (“Annual Report 2018”) – Notes to the Financial Statements. Relevant guidelines or standards in international or local context were used as the basis for data collection and analysis of the Report, including the use of the Clean Development Mechanism (“CDM”) approved methodologies for the estimation of the projects’ greenhouse gas (“GHG”) emissions and offset. All data included in the Report were rounded except integers and data already disclosed in the Annual Report 2018.

The Group commissioned the Hong Kong Quality Assurance Agency as the third-party verification institution to conduct an independent audit and verification on the content and data of the Report, and the related verification statement is appended to the Report. The board of directors of Everbright Greentech (the “Board”) reviewed and approved the content and scope of the Report to demonstrate that the Board had considered sustainability issues as part of its strategic formulation, determined the material ESG factors and overseen the management and monitoring of those factors.

The Report is available in both Chinese and English versions and has been uploaded onto the websites of Everbright Greentech ([www.ebgreentech.com](http://www.ebgreentech.com)) and the Stock Exchange ([www.hkex.com.hk](http://www.hkex.com.hk)). If there is any inconsistency or discrepancy between the Chinese version and the English version, the Chinese version shall prevail; in the event of any inconsistency or discrepancy between the Report and the Annual Report 2018, the Annual Report 2018 shall prevail unless otherwise stated<sup>(3)</sup>.

The Group welcomes all stakeholders and the public to provide valuable feedback on our work and performance via email to [info@ebgreentech.com](mailto:info@ebgreentech.com), in a joint effect to drive sustainable development.

#### Notes:

- (1) GRI refers to Global Reporting Initiative.
- (2) Unless otherwise specified, data of contractors and subcontractors is not disclosed in the Report.
- (3) During the Reporting Period, the Group extended the use of CDM calculation methodologies to re-calculate the GHG emissions offset by the Group’s operations. Such data supersedes all information previously published by the Group.

中國光大綠色環保有限公司（「光大綠色環保」或「本公司」）及其附屬公司（統稱「本集團」）為中國專業環保服務提供商，專注於生物質綜合利用、危廢及固廢處置、環境修復及光伏發電及風電業務，於二零一七年五月八日在香港聯合交易所有限公司（「聯交所」）主板上市（股份代號：1257）。

二零一八年可持續發展報告（「本報告」）是本集團的第二份獨立的可持續發展報告，涵蓋了本集團於二零一八年一月一日至二零一八年十二月三十一日（「報告期」）期間的主要可持續發展數據和成效。本報告書是依循GRI準則：全面選項<sup>(1)</sup>、其《電力行業披露》及聯交所發佈的《環境、社會及管治報告指引》編寫，務求報告更全面涵蓋實質性議題。此外，本集團將聯合國（「聯合國」）可持續發展目標（「SDGs」）全面融入環境及社會管理戰略中，以展示應對全球最迫切議題的決心。

本報告所披露的數據及信息是基於實質性評估、持份者參與和其他相關的可持續發展報告指引釐訂，涵蓋了本集團在報告期內本集團香港及深圳總部以及本集團擁有運營控制權的運營項目的可持續發展表現<sup>(2)</sup>。本集團的相關實體資料可參閱二零一八年年報（「二零一八年年報」）中的財務報表附註。本報告的資料收集及分析乃根據相關國際或當地指引及準則進行，包括使用清潔發展機制（「CDM」）核准的計算方法估算項目的溫室氣體排放及抵消。除了整數數據及二零一八年年報已公佈的數據外，本報告所載的所有數據均已作捨入調整。

本集團已委託香港品質保證局作為第三方審核機構，為本報告的內容及數據進行獨立審計及認證，相關核實聲明已附載於本報告中。本報告的內容及範圍亦經過光大綠色環保董事會（「董事會」）審閱及批准，以證明董事會已將可持續發展議題視為戰略制定的一部份，確定了主要的環境、社會及管治（「環境、社會及管治」）議題，並對該等議題的管理和監測進行了監督。

本報告備有中英文版本，已上載至光大綠色環保網站（[www.ebgreentech.com](http://www.ebgreentech.com)）及聯交所網站（[www.hkex.com.hk](http://www.hkex.com.hk)）供下載及閱覽。如中、英文版本有任何抵觸或不相符之處，應以中文版本為準；若本報告和二零一八年年報有任何抵觸或不相符之處，應以二零一八年年報為準。

本集團歡迎各位持份者和公眾就各方面電郵至 [info@ebgreentech.com](mailto:info@ebgreentech.com) 提供寶貴意見，以攜手推動可持續發展。

#### 附註：

- (1) GRI是指全球報告倡議組織。
- (2) 除非另有註明，承包商及分包商的數據不會於本報告中披露。
- (3) 報告期內，本集團擴大使用了CDM的計算方法以重新計算本集團運營的溫室氣體排放抵消量，此數據取代本集團先前出版的所有相關資料。

The year of 2018 is the commencing year for China's full implementation of the principles of the 19th National People's Congress of the Communist Party, as well as a crucial year for the further implementation of "13th Five-Year Plan" underpinned by ongoing execution of existing initiatives and the commencement of new ones. The report of the 19th National People's Congress of the Communist Party expressly stated that, in the new era, the idea of "Lucid waters and lush mountains are invaluable assets" must be firmly established and put into practice through the rigorous implementation of an ecological protection system. Subsequently, a number of heavy-weight policy documents on environmental protection, including the Environmental Protection Tax Law, Reform Program of the Ecological Environmental Damage Compensation System and Opinions on Strengthening the Protection of the Ecological Environment in All Aspects and Firmly Winning the Battle of Preventing and Controlling Environmental Pollution, came into effect in 2018 in a significant move to step up with reforms of the ecological civilisation regime and drive green development, providing robust driving force for a new cycle of demand for environment-related services.

In view of a marketplace underpinned by rapid changes and favourable government policies, the Group adopted a business philosophy of "Integrity, Efficiency, Pragmatism and Innovation" and sought prudent and determined progress during the year, as it made steady advances in market development, project construction, operating results, technological research and development ("R&D"), corporate management and industry participation and reported further improvements in business scale and profitability on the back of efforts guided by technology and innovation.

In terms of market development, the Group reported strong momentum and encouraging results in business expansion. The Group has reached the threshold of "100" in 3 aspects: the total number of projects held exceeded 100, the aggregate designed capacity of biomass power generation exceeded 1 million kW, and the aggregate designed capacity of hazardous waste processing exceeding 1 million tonnes. Everbright Greentech secured 24 new projects during the Reporting Period, extended the footprint of its environmental business in China to 14 provinces and municipalities in further enhancement of its position in the industry.

二零一八年是我國全面貫徹「十九大」精神的開局之年，也是深入實施「十三五」規劃承上啟下的關鍵一年。十九大報告明確指出，在新時代下，必須樹立和踐行「綠水青山就是金山銀山」的理念，實行最嚴格的生態環境保護制度。其後，《環境保護稅法》、《生態環境損害賠償制度改革方案》、《關於全面加强生態環境保護堅決打好污染防治攻堅戰的意見》等多部重量級環保政策陸續於二零一八年實施生效，對於加快生態文明體制改革以及推動綠色發展意義重大，也為環保服務需求的新一輪釋放增添了強勁的動力。

在日新月異、政策向好的市場環境下，本集團於年內奉行「誠信、高效、務實、創新」的經營理念，穩字當頭，銳意進取，穩步推進市場拓展、項目建設、經營業績、技術研發、企業管理和行業參與等工作，以科技和創新為引領，實現了業務規模和效益的進一步提升。

業務拓展方面，本集團勢頭強勁，成績驕人，實現了「三個一百」的目標：項目總數超過100個，總生物質發電裝機容量超過100萬千瓦，以及總危廢設計處理能力超過100萬噸。報告期內，光大綠色環保共取得24個新項目，在中國的環保版圖拓展至14個省份及直轄市，行業地位得以進一步提升。

As a result of the staff's concerted efforts and diligence, the Group was included in the Hang Seng Corporate Sustainability Benchmark Index during the Reporting Period, awarded "Sustainability and Social Responsibility Reporting Awards – Special Mention (Non-Hang Seng Index Category) (Medium Market Capitalisation)" in the "Best Corporate Governance Awards 2018" presented by Hong Kong Institute of Certified Public Accountants, and named a "Listed Company with Best Investment Value" at the 8th China Securities Golden Bauhinia Awards, in acknowledgment of the Group's effort in environmental protection, social responsibility and corporate governance.

### Green Concept

To promote the idea of green development to more cities and to build up its premium brand, the Group insists on its three-pronged development strategy, which targets to extend its value chain, enhance its market penetration and broaden its business scope, and facilitate sustainable business development. On top of ensuring rapid business development, we have consistently carried out stringent implementation of the requirements in environmental, safety, health and social responsibility ("ESHS") management system ("ESHS Management System"), and has earned trust from the local communities.

### The Priority of Human Resources

The "People-oriented" strategy has been providing continuous motivation for the Group's rapid development. The Group has highly valued human resources management. In order to maintain a talent pool, in addition to recruitment through the market and campuses, the Group has organised internal recruitment and selection competition to strengthen the selection and training of reserved talents and encourage those with high caliber and ambition to undertake more appropriate posts to fully capitalise on their talents and enhance efficiency. To enhance technical exchanges and capitalise on its technical resources, the Group made active efforts to build an internal team of lecturers during the Reporting Period and improve their teaching through selection examination, training and education. The Group has also established good technical and business cooperation with many well-known institutions and corporates, and has continuously improved the professional skills of the team.

受惠於企業上下一心、辛勤耕耘，本集團於報告期內獲納入恒生可持續發展企業基準指數，獲得由香港會計師公會頒發的「最佳企業管治大獎2018」之「可持續發展及企業社會責任報告獎－評判嘉許（非恒指成份股（中市值）組別）」，並且獲第八屆中國證券金紫荊獎評為「最具投資價值上市公司」，肯定了本集團在環保、社會責任和企業管治方面所作的努力。

### 堅持綠色理念

為將綠色發展的理念傳播到更多縣市，打造光大綠色環保優質品牌，本集團堅持「三度並舉」，即延長產業鏈的長度、挖掘市場佔領的深度以及拓展業務範圍的寬度，推進業務可持續發展。在業務高速增長的同時，我們一如既往嚴格執行環境、安全、健康及社會責任「(ESHS)」管理體系「(ESHS管理體系)」的各項要求，贏得了各地方社區的信任。

### 重視人力資源

「以人為本」的人才策略一直為本集團的高速發展提供持續動力。本集團特別重視人力資源管理工作，為進一步做好人才儲備，本集團除了透過從市場及校園招聘發掘新力軍外，更透過競聘及選拔活動內部挖潛，加強後備人才的選拔及培養，讓有能力、有理想的員工擔任更適當的崗位以發揮所長，提高效率。我們還於報告期內積極建設內部講師隊伍，通過選拔考試、培訓教育等方式加強技術交流，並與國內眾多知名院校、企業建立良好的技術與業務合作關係，不斷提升團隊的專業技能。

## Technology Innovation

The Group adheres to “Technology Leads Development”. The Group successfully applied for 2 projects under the 2018 key research programme of the Ministry of Science and Technology during the Reporting Period. They included the “Integrated demonstration and development of technologies for zone-based synchronised solid wastes treatment in Zhangjiagang”, a key project under the category of “Solid waste recycling”, as well as the “New technologies and equipment for in-situ sampling of soil and underground water at polluted sites” under the category of “Causes of soil pollution at sites and treatment technologies”. In addition, the Group participated in the project of “Key Technology and Application of Recycling and Controlling Pollution of Typical Hazardous Waste” led by Tongji University, and the results of the project received the Higher Education Outstanding Scientific Research Output Awards (second-class award in Scientific and Technological Progress) from the Ministry of Education in 2018.

Moreover, the key R&D projects of Everbright Greentech Research Institute continued to progress in a systematic manner. Our biomass power generation projects achieved ultra-low emission (concentration level of NO<sub>x</sub> emissions below 50mg/m<sup>3</sup>) through the research, investigation and adoption of technologies such as low-nitrogen combustion, flue gas recirculation, optimisation of selective non-catalytic reduction (SNCR) denitrification and ozone oxidation. Everbright Greentech Research Institute has also built the Group’s first highly reactive thionyl chloride (SOCl<sub>2</sub>) processing line of commercial scale to facilitate emergency treatment of SOCl<sub>2</sub>. It was the first large-scale facility for the processing of hazardous wastes containing SOCl<sub>2</sub> in China and elsewhere, providing a solid foundation for the Group’s ongoing effort to drive development through technological innovation. As of 31 December 2018, the Group held 25 patents and software copyrights.

## 創新技術引領發展

本集團堅持「科技引領發展」。報告期內，本集團成功申報兩個國家科技部二零一八年重點研發計劃項目，分別為隸屬於「固廢資源化」重點專項的「張家港市固廢園區化協同處置技術開發與集成示範」項目，以及隸屬於「場地土壤污染成因與治理技術」重點專項的「污染場地土壤及地下水原位採樣新技術與新設備」項目。此外，由同濟大學牽頭、本集團參與的科技成果「典型危險廢物污染控制與資源化關鍵技術及應用」獲得國家教育部二零一八年度高等學校科學研究優秀成果獎—科技進步獎二等獎。

此外，光大綠色環保研究所的各項重點研發課題有序推進。其中，通過研究探索採用低氮燃燒、煙氣再循環、選擇性非催化還原(SNCR)脫硝技術優化、活性分子氧化等技術，生物質發電項目實現了超淨排放(NO<sub>x</sub>排放濃度低於50mg/m<sup>3</sup>)；針對危廢處置項目氯化亞砷(SOCl<sub>2</sub>)的應急處理，光大綠色環保研究所建成了首條批量處置高活性危廢氯化亞砷的生產線，此為國內外首次規模化處理含氯化亞砷的危險廢物，為本集團繼續踐行以技術創新引領發展奠定了堅實基礎。截至二零一八年十二月三十一日，本集團持有專利及軟件著作權共計25項。



## Engagement in Corporate Social Responsibility (CSR)

Adhered to its core value “To create better investment value and undertake more social responsibility”, Everbright Greentech dedicates resources to community care and charitable activities. With the commencement of production and the establishment, improvement and development of the biomass intake and storage system, the Group seeks to facilitate targeted poverty alleviation as it develops the integrated biomass utilisation business in rural areas by investigating possibilities to provide business and job opportunities for local farmers. In addition, the Group is committed to offering a helping hand to the underprivileged and implementing supporting programmes as well as measures to enhance their self-reliant abilities.

## Prospect and Conclusion

With the unveiling of the full-scale battle for the protection of blue sky, clean water and clean land following the promotion of quality economic development and ecological environmental protection, and the adoption of implementation guidelines of the Paris Agreement at the UN Climate Change Conference, the transformation into a green and low-carbon nation and the globe is irreversible. In 2018, Everbright Greentech has accomplished a satisfying result, each step that we made towards all the new business areas is a huge step for the Group’s sustainable development. The Group will continue to follow the instruction to be “Prudent, Proactive and Practical”, bearing in mind its initial commitment and mission as it strives incessantly to become a leader in China’s environmental business sector.

**Qian Xiaodong**  
Chief Executive Officer

20 June 2019

## 承擔社會責任

秉承著「創造更好投資價值，承擔更多社會責任」的理念，光大綠色環保將資源投放於社區關懷及公益活動。隨著項目的投產以及燃料收儲體系的完善發展，本集團在開展生物質綜合利用業務的同時也會考慮與精準扶貧的對接，並探索為當地農民提供創業和就業機會的可能性，更落實幫扶計劃及措施，務求增強幫扶對象的自我發展能力。

## 展望與總結

隨著生態環境部與各地方政府協同推動經濟高質量發展和生態環境高水平保護，藍天、碧水、淨土保衛戰全面展開，聯合國氣候變化大會通過《巴黎協定》實施細則，我國乃至全球的綠色低碳轉型的大勢已不可逆轉，環保行業將迎接新一輪的機遇與挑戰。光大綠色環保在二零一八年取得了令人滿意的成績，在所有新領域邁出的每一步，都是集團可持續發展關鍵的一大步。本集團將繼續堅持「穩、進、實」的發展思路，不忘初心，牢記使命，為發展成為中國環保行業的翹楚不懈奮鬥。

**錢曉東**  
行政總裁

二零一九年六月二十日

# 03

We promote  
**CLEAN ENERGY AND  
CREATE A GREEN CHINA**  
推廣潔淨能源，打造綠色中國



## One of China's top 3 leading investors and operators specialised in integrated biomass utilisation and harmless treatment of hazardous waste

Everbright Greentech is a professional environmental protection service provider under China Everbright International Limited ("Everbright International", listed on the Main Board of the Stock Exchange, stock code: 257), with its businesses focusing on integrated biomass utilisation, hazardous and solid waste treatment, environmental remediation and solar energy and wind power. Upholding its philosophy of leading the way through business innovations, Everbright Greentech took a pioneer role to introduce integrated urban and rural waste treatment projects in China. Currently, the Group has its business coverage spanning across 14 provinces and municipalities in China, and in Germany.

As of 31 December 2018, the Group had 96 environmental protection projects with a total investment of approximately RMB24.468 billion; and independently undertook 9 environmental remediation projects, with a total contract amount of approximately RMB187 million. In 2018, the Group's revenue amounted to approximately HK\$7,001,820,000, an increase of 53% over 2017. EBITDA amounted to approximately HK\$2,161,227,000, an increase of 42% over 2017. Profit attributable to equity shareholders of the Company for the year was approximately HK\$1,324,871,000, which was 39% more than recorded in 2017.

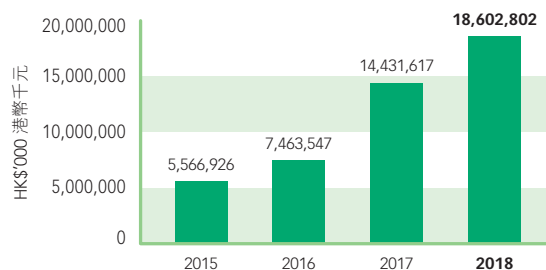
## 全國三大生物質綜合利用、危廢無害化處置投資運營商之一

光大綠色環保是中國光大國際有限公司（「光大國際」，聯交所主板上市公司，股份代號：257）旗下的專業環保服務提供商，專注於生物質綜合利用、危廢及固廢處置、環境修復、光伏發電及風電業務。光大綠色環保堅持以業務創新引領發展，率先在國內推出城鄉垃圾統籌處理項目。目前，本集團業務已覆蓋中國境內14個省份及直轄市，並遠播德國。

截至二零一八年十二月三十一日，本集團已落實的環保項目總數合計96個，總投資額達約人民幣244.68億元，自主承接環境修復項目9個，總合同金額約人民幣1.87億元。二零一八年，本集團錄得收益約港幣7,001,820,000元，較二零一七年增加53%。除利息、稅項、折舊及攤銷前盈利約港幣2,161,227,000元，較二零一七年增加42%；本公司之權益股東應佔盈利約港幣1,324,871,000元，較二零一七年增加39%。

### Total Assets

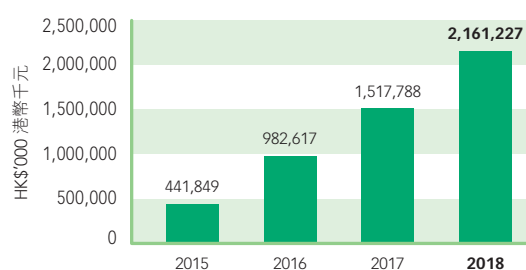
#### 資產總額



Compound Annual Growth Rate  
複合年均增長率  
49.5%

### EBITDA

#### 除利息、稅項、折舊及攤銷前盈利



Compound Annual Growth Rate  
複合年均增長率  
69.7%

## Our Business

### Integrated Biomass Utilisation

The Group mainly utilises biomass raw materials to generate electricity and heat. Biomass raw materials are categorised into yellow culms and grey culms. Yellow culms consist of agricultural residues, such as wheat straw, rice straw, corn straw, rice husks, peanut husks, etc.; while grey culms consist of forestry residues such as branches, barks and other manufacturing wood wastes, etc.

In addition, the Group has developed a unique business model of urban-rural integration, combining integrated biomass utilisation projects and waste-to-energy projects by sharing the grid system, the water treatment system and other ancillary systems, which in turn, treated agricultural and forestry residues and rural household waste more effectively.

As of 31 December 2018, the Group had a total of **51** integrated biomass utilisation projects:

- aggregate power generation designed capacity of **1,073**MW;
- aggregate biomass processing designed capacity of approximately **8,699,800** tonnes per annum;
- aggregate household waste processing designed capacity of approximately **9,350** tonnes per day.

### Hazardous and Solid Waste Treatment

The Group is principally engaged in the safe treatment and integrated utilisation of wastes including general industrial solid wastes, hazardous wastes and infectious animal carcasses. Currently, the Group conducts the disposal by ways of incineration, landfill, physicochemical treatment and integrated utilisation, etc.

The Group is capable of safely disposing of 43 out of 46 categories of hazardous wastes listed in the National Catalog of Hazardous Wastes. During the Reporting Period, the Group further diversified its business to integrated hazardous waste utilisation, giving its the ability to fully meet customers' requirements on the back of its solid technical strengths and ability to provide one-stop services.

As of 31 December 2018, the Group had a total of **36** hazardous and solid waste treatment projects, with an aggregate annual processing designed capacity of approximately 1,181,030 tonnes.

## 我們的業務

### 生物質綜合利用

本集團主要利用生物質原材料發電及供熱。生物質原材料分為黃稈和灰稈，黃稈主要為農業廢棄物，如麥稈、稻稈、玉米稈、稻殼、花生殼等；灰稈主要為林業廢棄物，如樹枝、樹皮及其他生產木材廢料等。

除此之外，本集團開發出獨特的城鄉一體化業務模式，通過共用電網系統、水處理系統及其他配套系統，將生物質綜合利用項目與垃圾焚燒發電項目融為一體建設，更有效率地統籌處理農林廢棄物及農村生活垃圾。

截至二零一八年十二月三十一日，本集團共擁有**51**個生物質綜合利用項目：

- 總設計發電裝機容量達**1,073**兆瓦；
- 生物質總設計處理能力約每年**8,699,800**噸；
- 生活垃圾總設計處理能力約每日**9,350**噸。

### 危廢及固廢處置

本集團主要從事一般工業固廢、危險廢棄物、病死動物等廢棄物的安全處置和綜合利用，目前採用的處置方式包括焚燒、填埋、物化處理及綜合利用等。

本集團可安全處置《國家危險廢物名錄》所列46類危廢中的43類，並於報告期內進一步拓展至危廢綜合利用領域，雄厚的技術實力、一站式的服務能力令本集團可全面滿足各類客戶需求。

截至二零一八年十二月三十一日，本集團共擁有**36**個危廢及固廢處置項目，總設計處理能力約每年1,181,030噸。

## Environmental Remediation

The Group's environmental remediation business mainly covers the restoration of industrial contaminated sites, restoration of contaminated farmland, ecological restoration of mines and landfills, treatment of industrial flue gases, integrated treatment of oil sludge, treatment of river/lake sediments and industrial sludge, construction and operation of wetland parks, environmental stewardship services and anti-seepage at landfill sites.

As of 31 December 2018, the Group independently undertook **9** environmental remediation projects, with a total contract amount of approximately RMB187 million.

## Solar Energy and Wind Power

The Group develops, manages and operates solar energy and wind power projects. Our solar energy generating facilities consist of arrays of solar panels which convert the energy from sunlight into electricity. Such electricity is then supplied to the local power grid companies. For wind power projects, wind turbine, which are connected to electricity generators, convert wind power into electricity.

Wind turbines are equipped with a control system which optimises electrical production and adjusts to the varying wind speed and direction. We use a remote monitoring system to monitor our wind power projects which allows for offsite operation and supervision.

As of 31 December 2018, the Group has **7** solar energy projects and **2** wind power projects, providing an aggregate power generation designed capacity of **125.9MW**.

## 環境修復

本集團的環境修復業務主要涵蓋工業污染場地修復、污染農田修復、礦山及填埋場生態修復、工業廢氣治理、油泥綜合治理、河湖底泥及工業污泥治理、濕地公園建設和運營、環保管家服務及填埋場防滲工程等。

截至二零一八年十二月三十一日，本集團共自主承接**9**個環境修復項目，涉及合同金額約人民幣1.87億元。

## 光伏發電及風電

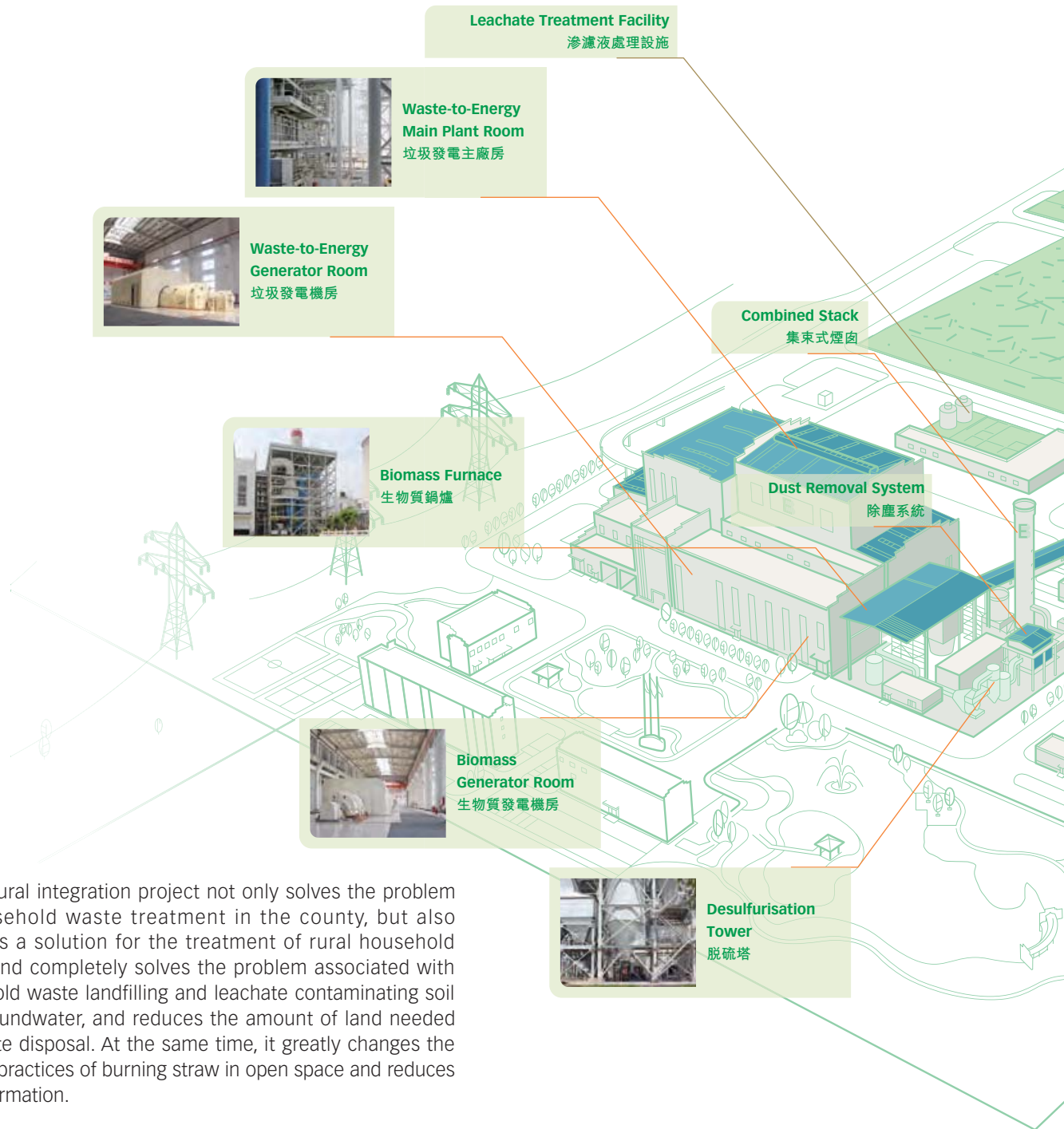
本集團開發、管理及運營光伏發電項目及風電項目。我們的光伏發電設備包括太陽能電池板陣列將太陽光的能量轉化為電力，再售予地方電網公司；我們風電項目的風機則透過與發電機組相連，將風能轉化為電力。

風機裝設控制系統，以就不同風速和風向作出調整，優化電力生產。我們的遠程監控系統使我們得以對風電項目進行場外運行及監管。

截至二零一八年十二月三十一日，本集團共有**7**個光伏發電項目以及**2**個風電項目，總設計發電裝機容量為**125.9**兆瓦。

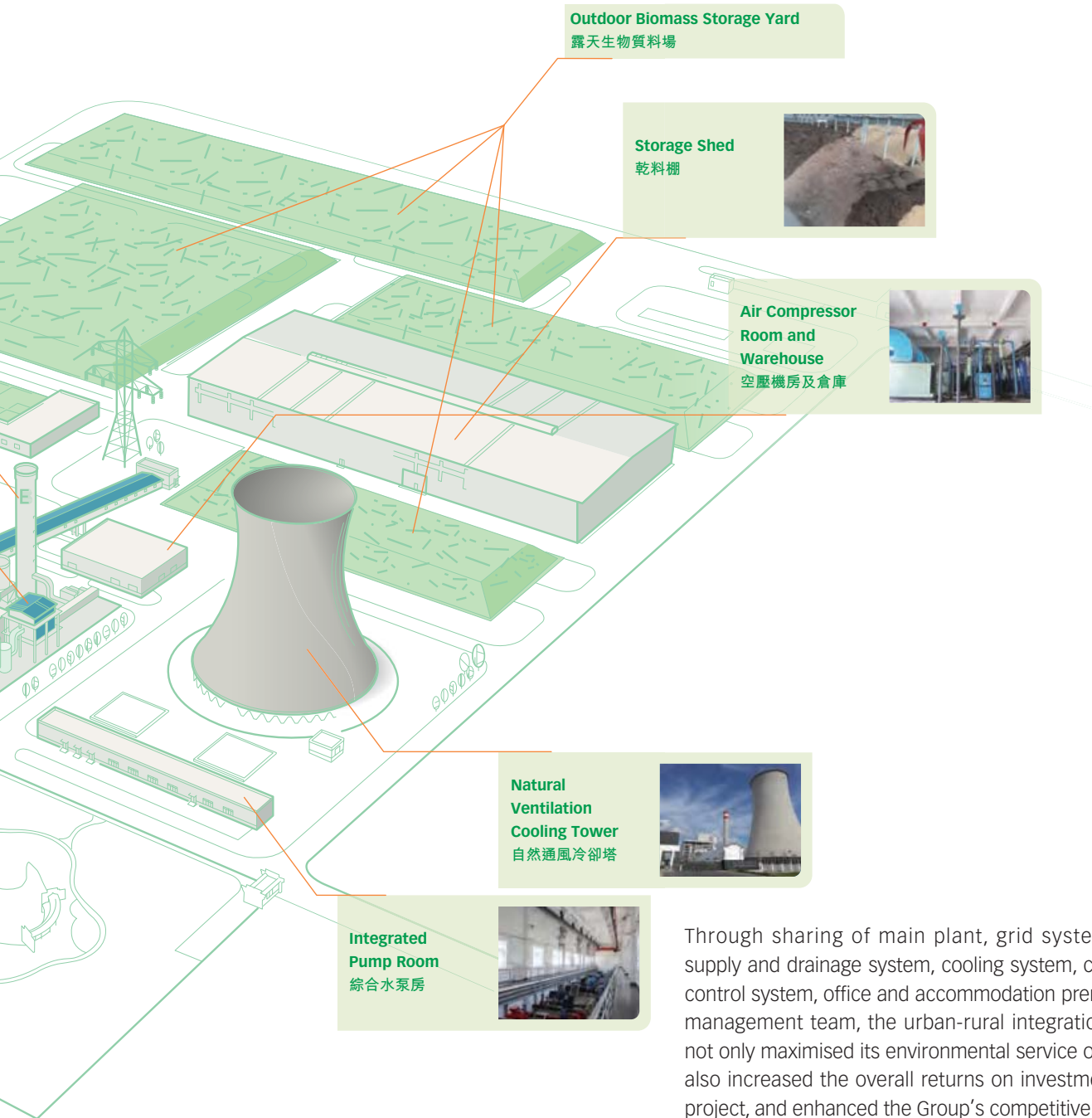
## Key Facilities of Urban-Rural Integration Projects

### 城鄉一體化項目的主要設施



Urban-rural integration project not only solves the problem of household waste treatment in the county, but also provides a solution for the treatment of rural household waste and completely solves the problem associated with household waste landfilling and leachate contaminating soil and groundwater, and reduces the amount of land needed for waste disposal. At the same time, it greatly changes the current practices of burning straw in open space and reduces smog formation.

城鄉一體化項目不僅可以解決縣城內的生活垃圾問題，還可以為農村生活垃圾處理提供出路，徹底解決生活垃圾填埋及滲濾液污染土壤及地下水問題，可節約因填埋垃圾佔用的大量土地，同時極大程度上改變農村露天焚燒秸稈的現狀，減少霧霾的形成。

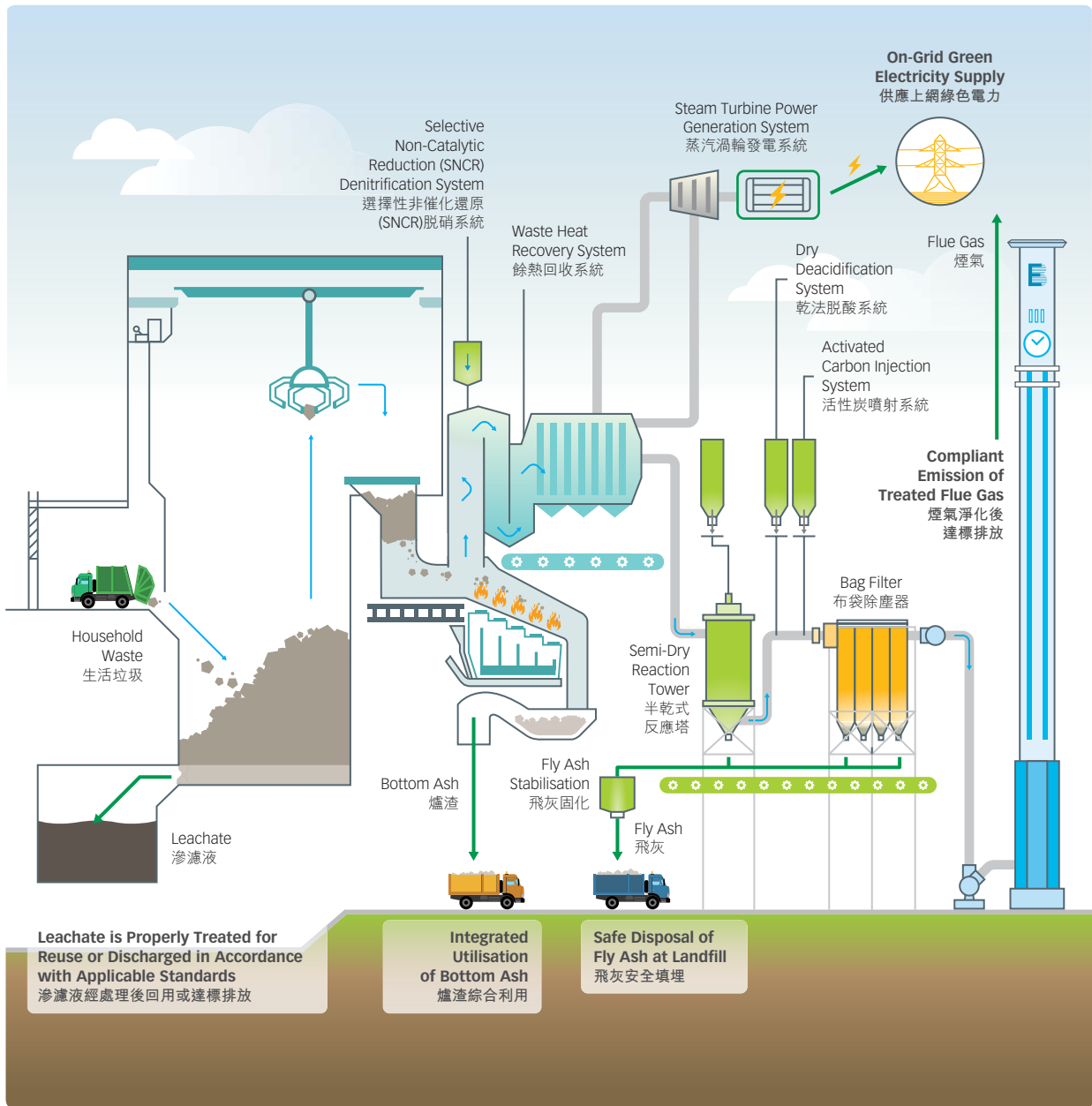


Through sharing of main plant, grid system, water supply and drainage system, cooling system, centralised control system, office and accommodation premises and management team, the urban-rural integration project not only maximised its environmental service output, but also increased the overall returns on investment of the project, and enhanced the Group's competitiveness.

城鄉一體化項目通過共用主廠房、電網系統、給排水系統、冷卻系統、中控系統、辦公住宿場所及管理團隊等，既能提高環境服務產出，也能增加項目整體投資回報並提升本集團的競爭力。

### Waste-to-Energy System 垃圾發電系統

### Process Flow Diagram 工藝流程圖





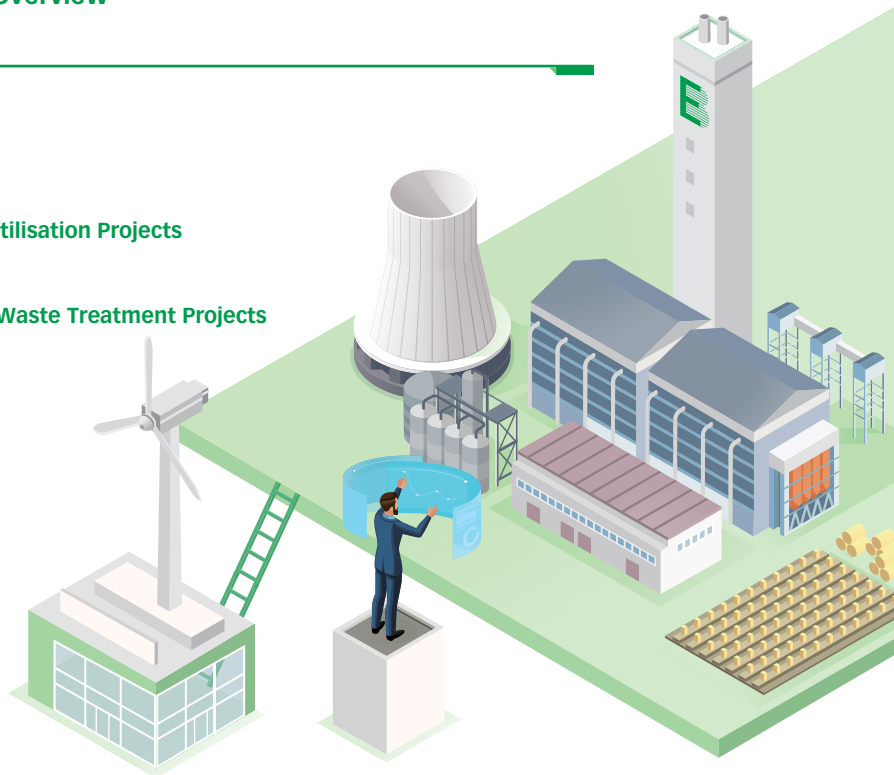
## 2018 Projects in Operation Overview

二零一八年項目運營情況一覽

### Projects in Operation

運營項目

- 22** Integrated Biomass Utilisation Projects  
生物質綜合利用項目
- 12** Hazardous and Solid Waste Treatment Projects  
危廢及固廢處置項目
- 7** Solar Energy Projects  
光伏發電項目
- 2** Wind Power Projects  
風電項目



**84.99** km  
公里

Total length of aboveground transmission lines  
地上輸電線路總長度

**20.32** km  
公里

Total length of underground transmission lines  
地下輸電線路總長度

### Operation Performance

運營表現

**3,159,990** tonnes  
噸

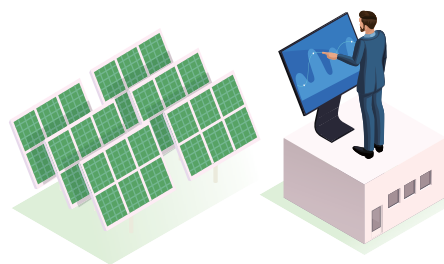
Biomass raw materials processed  
處理生物質原材料

**881,254** tonnes  
噸

Household waste processed  
處理生活垃圾

**127,052** tonnes  
噸

Hazardous and solid waste processed  
處置危廢及固廢



**2,873,870,000** kWh  
千瓦時

On-grid green electricity supplied  
供應綠色上網電量

**809.2** kWh/tonne  
千瓦時/噸

Average on green electricity supplied per tonne of biomass  
平均每噸生物質燃料綠色上網電量

## Key Projects

**Lingbi Integrated Biomass and Waste-to-Energy Projects** have a designed annual biomass material processing capacity of 300,000 tonnes and a daily household waste processing capacity of 400 tonnes. The project is the first of its kind in China as an urban-rural integration project constructed at the same time. Its completion of construction and commencement of operation marked a new start for China's urban-rural waste integrated treatment sector. It also made a breakthrough in China's existing model of separately constructing biomass and waste-to-energy projects.



**Yu'an Biomass Electricity and Heat Cogeneration Project** has a designed annual raw biomass material processing capacity of 300,000 tonnes. The project is mainly responsible for processing biomass raw materials such as straw and other agricultural waste from the Yu'an District and its surrounding areas. It is of practical significance and provides a driving force for the local areas in terms of promoting the development of the circular economy and the agricultural machinery sector, absorbing surplus of rural labour force, and supporting agriculture, farmers and rural areas.



## 重點項目展示

靈璧生物質及垃圾發電一體化項目設計規模為年處理生物質材料30萬噸、日處理生活垃圾400噸，是國內首個一次性建成的城鄉一體化項目。項目的建成投運開創了國內城鄉垃圾統籌處理的先河，亦打破了國內生物質和垃圾發電項目分開建設的固有模式。

裕安生物質熱電聯供項目設計規模為年處理生物質原材料30萬噸，主要負責處理裕安區轄內及周邊的農作物秸稈等生物質原材料。該項目對促進當地循環經濟、農機產業發展、解決當地農村富餘勞動力和服務三農具有現實意義和推動作用。

**Suzhou Hazardous Waste Landfill Project** has a combined designed annual hazardous waste treatment capacity of 40,000 tonnes. The project is the first hazardous waste treatment project invested by the Group, and the largest hazardous waste landfill site in scale to have completed construction in Jiangsu Province.

**蘇州危廢填埋項目**總設計規模為年處置危廢4萬噸，是本集團的首個危廢處置項目，也是江蘇省已建成規模最大的危險廢物填埋場。



**Lianyungang Hazardous Waste Incineration Project** has a combined designed annual hazardous incineration and treatment capacity of 11,650 tonnes. Phase I of the project treats medical waste through high temperature steaming, while phase II of the project focuses on processing industrial hazardous waste through incineration. The project is the Group's first hazardous waste project adopting high temperature steaming sterilisation equipment for the safe treatment of medical waste.

**連雲港危廢焚燒項目**總設計規模為年焚燒處置危廢1.165萬噸。項目一期以高溫蒸煮方式處置醫療廢棄物，二期專注於焚燒處置工業危廢。該項目是本集團首家採用高溫蒸煮滅菌設備安全處理醫療廢棄物的危廢項目。



**Changzhou Rooftop Solar Energy Project** has a designed power generation capacity of 3.70 MW. The project is located on the rooftops of some companies in the Wujin Hi-tech Zone of Changzhou City, which is the first exemplary green construction cluster and the first low-carbon demonstration park in China. It was the first to have passed the inspection test conducted according to the New Guidance on Solar Energy, and the first to have passed the acceptance test for commissioning in 2011 among all other solar energy projects in Jiangsu Province.



常州屋頂光伏發電項目設計發電裝機容量3.70兆瓦。項目位於全國首個綠色建築產業聚集示範區、全省首個低碳示範區—常州武進高新區內的部份企業屋頂，是二零一一年江蘇省首個通過光伏發電新大綱質量檢查的項目、江蘇省眾多光伏發電項目中第一個順利通過啟動驗收的項目。

**German Ground Solar Energy Project** located at Schönewalde, eastern Germany, has a designed power generation capacity of 3.70 MW. The Group acquired the project in 2011 – its first overseas investment project and the largest ground silicon-based thin-film solar energy generation system in Germany at that time. The project has been running steadily for eight years with high energy efficiency, providing long-term stable electricity supply to the local communities.



德國地面光伏發電項目設計裝機容量3.70兆瓦，位於德國東部舍訥瓦爾德市，本集團於二零一一年收購該項目，為公司首個海外投資項目，也是德國當時最大的地面矽基薄膜光伏電站。該項目已穩定運行8年，發電效益優異，為當地的電力供應提供長期、穩定的支持。

**Ningwu Wind Power Project** includes **Changfangshan Project Phase I** and **Zhaojiashan Project Phase I**, which have a combined designed power generation capacity of 96MW and generate 230 MWh of electricity per annum. The project followed the philosophy of “Producing Quality Projects and Building a Quality Brand” throughout the construction process. It is the only wind power project that received the “Fen River Cup Award for Construction Projects”, the highest award for excellent quality construction in Shanxi Province.

寧武風電項目包括長房山風電項目一期和趙家山風電項目一期，總設計裝機容量為96兆瓦，年均發電量合共達2.3億千瓦時。項目秉承「建精品、創品牌」的理念建成，是山西省內迄今為止唯一榮獲山西省優質工程最高獎「建設工程汾水杯獎」的風電項目。



### Development of PPP Project

We leverage our practical experience to actively promote the PPP<sup>(1)</sup> model, jointly invest and develop environmental protection projects with local governments. Ecological development and environmental protection projects are the main areas applying the PPP model. The Group's integrated biomass utilisation, solar energy and wind power projects are entitled to a number of policy support initiatives including preferential on-grid tariffs, mandatory off-take of electricity, government subsidies, preferential tax treatments, etc. The Company's hazardous and solid waste treatment projects also benefit from preferential taxation policies and government subsidies. In 2018, the Group received a total of approximately RMB97,010,000 in government grants and approximately RMB50,239,000 in value-added tax refunds in 2018.

Note:

<sup>(1)</sup> Public-Private Partnership.

### PPP業務發展

依託自身實踐經驗，我們積極推行PPP<sup>(1)</sup>模式，與各地政府合力開發環保項目。生態建設和環保類項目是PPP模式的重點推行領域，受惠於政府對環保行業的支持，本集團的生物質綜合利用及光伏發電及風電項目均享有優惠上網電價、全額購電、政府補貼及稅收優惠待遇等政策支持，危廢及固廢處置項目亦享有稅務政策優惠和政府補貼。二零一八年，本集團共獲批政府各類補貼約人民幣97,010,000元及增值稅退稅約人民幣50,239,000元。

附註：

<sup>(1)</sup> 政府和社會資本合作。

## 04

We establish a path to sustainability,  
and achieve eternal harmony between

## HUMAN SOCIETY AND NATURE

開可持續發展之路，達天人合一之矢



## Goal, Mission and Corporate Philosophy

## 理想、使命及企業信念

Corporate Mission 企業使命	Devoted to Ecology and Environment for a Beautiful China 情繫生態環境，築夢美麗中國
Core Value 企業追求	To Create Better Investment Value and Undertake More Social Responsibility 創造更好投資價值，承擔更多社會責任
Development Philosophy 發展理念	Taking Quality as the Top Mission, Keeping Efficiency as the Priority, and Pursuing Growth in Business Scale 質量第一、效益優先、規模發展
Operation Philosophy 經營理念	Pursuing Excellence and Close to Zero Discharge 精益求精、追求完美、近零排放、追求卓越
Management Philosophy 管理理念	People-oriented, Pragmatism, Creativity and Systematic Management 以人為本、求真務實、開拓創新、規範管理

## Corporate Governance

## 企業管治

The Group believes that maintaining sound and high standards of corporate governance is not only a key element in safeguarding the interest of the shareholders, but also a way to enhance the corporate value and strengthen the accountability and transparency of the Group. Echoing the Company's theme of "Laying a Solid Foundation and Keeping Pace with Times", the Group has constantly reinforced its internal control, risk prevention and management, corporate governance through a set of rules and regulations. The Group strives to inculcate the risk management and sustainable development concept into its operation and business for cultivating the strong backup to the breakthrough development of the Company's business.

本集團相信維持穩健及高水平企業管治，不單是保障股東權益的要素，更能提升企業價值及加強本集團的問責性及透明度。通過一系列規章制度，本集團不斷加強內部監控、風險防控與企業管治，與本公司年度主題「牢築根基 • 與時俱進」相呼應。本集團致力將風險管理和可持續發展的理念，融入本公司運營與業務，為本集團業務的突破性發展，打造強大後盾。

For details of the Group's corporate governance, please refer to Annual Report 2018.

有關本集團二零一八年度企業管治的工作，請參閱二零一八年年報。

## The Board and its Diversity

The Board is responsible for formulating business policies and strategies, directing and supervising management of the Group, adopting and monitoring internal business and management control, approving and monitoring annual budgets and business plans, reviewing operational and financial performance, reviewing and monitoring the Company's systems of corporate governance, internal control and risk management. It oversees the task of making decisions in the best interest of the Company and maximising the financial performance of the Company. The Board has delegated the daily operations and the execution of Board policies and strategies by formulating and implementing of annual work plans and medium-term development plans for the Group to the management committee of the Company.

The Board consists of 9 members, including 3 executive directors, 3 non-executive directors, and 3 independent non-executive directors. The Board believes that the ratio between executive directors, non-executive directors and independent non-executive directors is reasonable and adequate to provide sufficient checks and balances that safeguard the interests of the shareholders and the Group. Conforming to the international trend on board diversity, a female director was appointed. The Board also believes that the views and participations of the independent non-executive directors in the Board and committee meetings provide independent judgment on the issues relating to strategy, performance, conflict of interest and management process to ensure that the interests of all the shareholders are considered and safeguarded. Besides, the directors come from diverse background with varied expertise in finance, legal and business fields.

## 董事會及其成員的多元化

董事會負責制定業務政策及策略、引導及監督本集團管理層、採納及監控內部業務及管理控制、審批及監察年度預算及業務規劃、審議運營及財務表現、審議及監察本公司企業管治、內部監控及風險管理系統，同時負責本著本公司最佳利益，監督決策工作及盡可能提升本公司財務表現。董事會已委派本公司管理委員會，透過制定及執行本集團年度工作計劃及中期發展計劃，辦理日常運營及執行董事會政策及戰略。

董事會由九名成員組成，三位執行董事，三位非執行董事及三位獨立非執行董事。董事會相信，執行董事、非執行董事與獨立非執行董事的比例合理，足以提供充分制衡，保障和本集團利益。遵從董事會成員多元化的國際化趨勢，我們委任了一位女性董事。董事會亦相信，獨立非執行董事參與董事會和委員會會議，提出各種意見，能夠為策略、績效、利益衝突和管理流程等方面的課題，提供獨立研判，確保股東利益得到考慮和保障。此外，董事來自不同背景，各具所長，深諳金融、法律及商業各領域之專業知識。

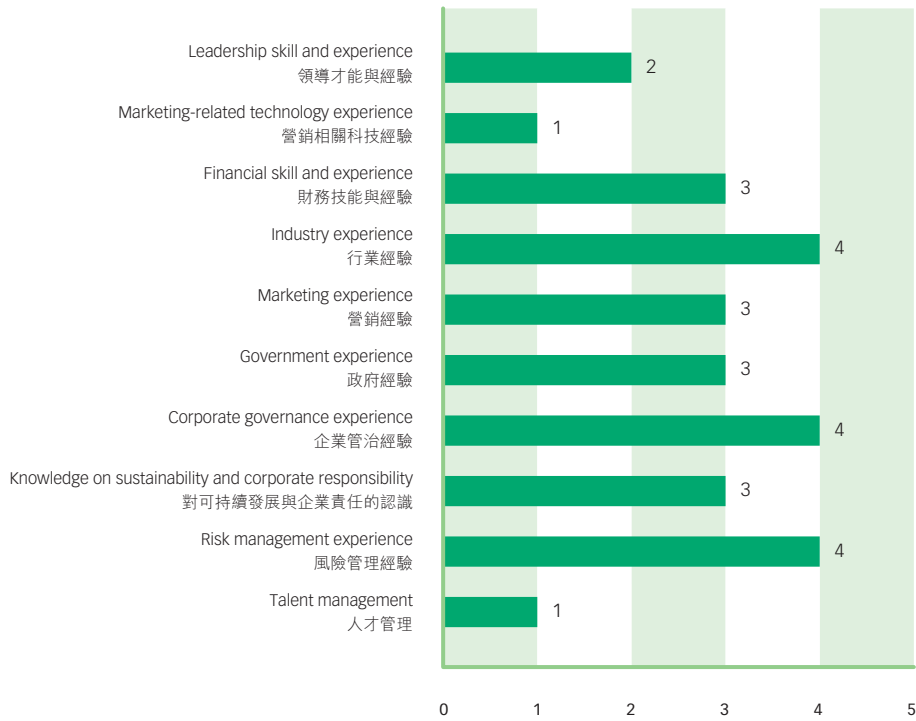


As of 31 December 2018, the diversity of the Board is as below: 於二零一八年十二月三十一日，董事會多元化分佈情況如下：





## Skills and Experiences 技能及經驗



For details of the Board and the three Board committees, namely audit and risk management committee, remuneration committee, and nomination committee, please refer to Annual Report 2018.

有關董事會及董事會轄下的三個董事委員會，即審核與風險管理委員會，薪酬委員會及提名委員會的詳情，請參閱二零一八年年報。

## The Directors' Active Engagement

Other than attending the Board meetings, committee meetings and annual general meeting, the directors take an active interest in the Company's affairs and obtain a general understanding of its business. The executive directors visited the project companies frequently to personally monitor and scrutinise the operation and internal control. In November 2018, all the independent non-executive directors together with Mr. YANG Zhiqiang, the executive director of the Company visited Fengyang Integrated Biomass and Waste-to-Energy Project and Changzhou Hazardous Waste Incineration Project. During the visits, independent non-executive directors were briefed on the management and operation of each project. They met with the project general managers and non-managerial workers of the sites and understand the working environment and needs of the local staffs. Independent non-executive directors have expressed their views to the Chief Executive Officer afterward. In addition, the Board will also review the Group's sustainable development topics regularly and approve the annual sustainability report at the meetings.

Under the assessment of nomination committee, even though some of the directors are sitting on multiple boards or having significant commitments at works in university, they devoted sufficient time and effort to discharge their duties and responsibilities.

## Anti-Corruption

The Group's Code of Conduct (the "Code") requires all employees to maintain a high standard of integrity and honesty when handling their affairs and performing their duties. Over the years, we have reviewed the Code on a regular basis and revised it as needed. The Code, contains a set of business principle, have provided a framework for ethical business practices and strategies to prevent corruption, bribery, conflicts of interest, discrimination, money laundering and violation of the confidentiality and security of information. We have regular assessments to reward employees who have outstanding performance and adhere to the relevant ethical practices. We will also punish those who perform poorly, neglect their duties, cause losses, reveal confidential information and commit bribery. In 2018, no cases on corruption, fraud, political donation, monopolistic practices and other misconduct were recorded.

## 董事的積極投入

除出席董事會會議、委員會會議及股東週年大會外，董事亦積極關注本公司事務，通盤掌握其業務狀況。執行董事經常考察項目公司，親自對其運營與內部監控進行仔細監察。二零一八年十一月，本公司全體獨立非執行董事聯同執行董事楊志強先生，對鳳陽生物質及垃圾發電一體化項目和常州危廢焚燒項目進行了考察。考察期間，獨立非執行董事聽取了有關各個項目管理運營的簡報。獨立非執行董事亦與項目總經理和非經理級項目員工會晤，了解當地員工的工作環境與需求。其後，獨立非執行董事向行政總裁表達了他們的意見。此外，董事會更會定期檢視本公司的可持續發展議題，並於會議上審批每年的可持續發展報告。

據提名委員會評核所得，儘管部份董事身兼多個董事職位，或在大學擔任要務，他們仍能投入充分的時間與精力，以履行其職責。

## 反腐倡廉

本集團的《員工守則》（「守則」）要求所有員工在處理事務及履行職責時，秉持高水準的操守及誠信。多年來，我們定期檢視該守則並依需要進行修訂。守則包含一系列商業原則，為道德商業慣例及策略提供框架，以防止貪污、賄賂、利益衝突、歧視、洗黑錢及違反資料的機密性及安全性。我們設有定期考核，對表現出色、恪守相關道德行為守則的員工予以獎勵。對表現欠佳、疏於職守者；貽誤工作、造成損失者；洩露機密者；及貪污受賄者予以懲罰。於二零一八年，我們並無關於貪污、欺詐、政治獻金、壟斷及其他不當行為的違反記錄。

## Internal and External Whistleblowing Policy

In order to enhance the transparency, integrity and accountability of the Group and to retain a consistently high standard of corporate governance, the Company has adopted the internal and external whistleblowing policy. This policy applies to the employees/the related persons (including but not limited to investors, lenders, suppliers, customers, services providers and government etc.) of the Group. It is designed to provide the employees/the related persons with the confidential whistleblowing channels to report to the Group the actual or suspected illegal activities and misconducts in corporate financial reporting, internal control or other areas in which the Company's attention should be drawn and investigation should be initiated. The valid whistleblowing method is posted in the Company's website. In 2018, there was no case reported through the whistleblowing channels.

## Risk Management

Strengthening corporate governance and risk control are the foundation for ensuring efficient, healthy and sustainable corporate development. The Group's risk management system and its management policy are formed in accordance with the Company Law of the People's Republic of China, the Central Enterprise Comprehensive Risk Management Guidelines, the Basic Standards for Internal Control of Companies and the relevant regulations on corporate governance from the Stock Exchange. Requirements are formulated to improve risk prevention and control capabilities, increase core competitiveness, and ensure a sustainable, stable and healthy development of the Company.

## 內部及外部舉報政策

為提升本集團的透明度、誠信及問責性，以及致力保持一貫高度的企業管治標準，本公司已採納內部及外部舉報政策。該政策適用於本集團的員工／相關人士，包括但不限於投資者、貸款人、供應商、客戶、服務供應商及政府等，旨在向員工／相關人士提供保密的舉報渠道，以向本集團呈報於本公司財務匯報、內部監控或本公司須注意並展開調查的其他方面的實際或疑似非法活動及不當行為。有效之舉報方法已列示於本公司網站。於二零一八年，沒有通過舉報渠道收到任何個案報告。

## 風險管理

加強企業管治和風險控制是確保企業高效、健康和可持續發展的基礎。本集團的風險管理系統及管理制度根據《中華人民共和國公司法》、《中央企業全面風險管理指引》、《公司內部控制基本規範》等法律、法規和聯交所有關企業管治的監管要求制定，務求提高風險防範與管控能力，增加核心競爭力，保證公司持續、穩定、健康發展。

## Risk Management Process

The Board formulates the Risk Management System Policy and risk tolerance in a prudent manner through the audit and risk management committee, and the management identifies and prioritises the major risks in accordance with source of risks, the extent of its impact, events involved and its potential impact. We assess the significant risks faced by the Group on continuous basis: we determine the primary risk level of the main risk, have each risk bearing unit carrying out risk management and control measures, evaluate risk control measures, determine the residual risk level of the main risk, and optimise risk management work based on the conditions of major risk control. A report, which contains the implementation of risk control measures and the results of risk management, as well as details of the risk-related incidents, shall be submitted to the risk management department by each risk bearing unit on a quarterly basis. The risk management department will then prepare the Risk and Internal Control Report and submit the same to the management of the Company who will evaluate the status of risk management and optimise the relevant measures. Also, the report will be submitted to members of the audit and risk management committee, for them to review and be aware of the latest risks and internal control of the Group.

During the Reporting Period, the Group formulated and implemented effective and viable risk alleviation measures against evaluated and identified significant risks by improving its internal environment, enhancing the method of information communication and conducting investigation on special items. We conducted three major risk inspection exercises during the Reporting Period, and also engaged an external professional body to enhance the ability in identifying risks, procuring closed-loop rectification wherever problems were identified. To complement effort of the internal audit department, "Risk management-oriented auditing" was incorporated into our audit process, whereby reviews on the operating conditions and viability of our risk management system were conducted from an audit point of view to ensure all management systems were effectively implemented with rigorous execution.

## 風險管理流程

董事會透過審核及風險管理委員會慎重地制定了《風險管理系統政策》及風險承受能力，管理層以風險來源、影響範圍、涉及事件及其潛在影響等就主要風險進行識別及排序。我們持續評估集團面對的重大風險：透過確定主要風險原始風險等級，由各風險責任單位開展風險管控措施後，再進行主要風險管控措施效果評估、確定主要風險剩餘風險等級，並根據主要風險管控情況，對風險管理工作進行優化。此外，各風險責任單位需每季度向風險管理部提交報告，彙報風險管控措施實施情況及風險管控效果情況，同時在報告中收集風險事件。風險管理部據此編製《風險及內控管理報告》並呈報本公司管理層，以讓管理層適時瞭解風險管控情況並完善風險管控措施。同時，該報告呈報審核及風險管理委員會成員，以讓他們得悉本集團最新的風險及控情況。

報告期內，本集團針對已經評估及識別到的重大風險，通過改善內部環境、強化資訊傳遞、專項檢查等方式，制定並落實了可行有效的風險緩解措施。於報告期內共開展了三次風險大檢查工作，並聘請外部專業安全機構強化風險識別，對隱患及時整改閉環。此外，我們更配合內部審計部將「風控導向審計」植入審計工作，從審計角度檢視風險管理系統的運作情況及可行性，確保各項管理制度有效落地並嚴格執行。

## Risks Management Culture

Sound communication and ongoing education are among some of the effective means adopted by the Group to cope with material risk and internal control issues. Members of the audit and risk management committee actively furnish specific opinions to the management in relation to the development and operation of the Company's risk management system and the building of a risk management culture, while the management carried out the tasks of implementing the risk management system and promoting the risk management culture with pragmatic efforts to strengthen the risk management awareness of frontline staff.

In 2018, Everbright Greentech organised training sessions on risk management and internal audit hosted by the general manager of the risk management department and the general manager of the internal audit department, respectively, who briefed the project general managers and directors of construction work on how to foster awareness for the risk management accountability regime as well as overall risk awareness, while also investigating issues identified in the current stage of the Company's internal audit and related proposals. Through this training session, frontline personnel gained a clear understanding of issues faced by other projects. While reflecting on the problems of their own projects, they also developed a sense of solidarity by sharing experiences with the staff of other projects. When issues similar to those discussed during training were identified in actual business operations, the officers-in-charge of some project company officers would contact and discuss with the internal audit department in a proactive manner to reduce preventable risks. Our staff are involved in the co-management of risks as working partners of the Company.

For details of risk management, please refer to Annual Report 2018.

## 風險管理文化

良好的溝通及持續的教育是本集團處理當前的重大風險及內部監控問題的有力手段。審核及風險管理委員各成員積極地對本公司的風險管理系統建設、運作及風險管理文化建立向管理層提供了不少具體意見，管理層務實執行推動風險管理系統運作及宣揚風險管理文化的工作，鞏固前線工作人員的風險管理意識。

於二零一八年，光大綠色環保舉辦風險管理及內部審計培訓，由風險管理部及內部審計部總經理主講，分別向各項目總經理及工程總指揮等就如何樹立風險管理責任體系意識、全局意識及公司現階段內部審計發現的問題及建議展開了闡述與探討。通過培訓，使前線人員清楚瞭解其他項目的問題，反思自身項目的同時，亦透過各方交流，令前線員工產生共鳴；及當在業務上實際發現有類似培訓提及過的問題，部份項目公司負責人員會主動先與內部審計部聯繫及討論，減低一些可預先避免的風險。員工是公司的夥伴，共同管理風險。

有關風險管理的詳情，請參閱二零一八年年報。

## Environmental and Social Management

The Group's ESHS management system focuses on the major risk control issues during the operation and construction phase. It has an ESHS management organisation structure, with a standard management system including regulations, standards, Standard Operation Procedure ("SOP"), checklists, etc. We also establish a comprehensive ESHS inspection, supervision and evaluation, and reporting mechanism. In 2018, the Group continued to enhance its ESHS systems and regimes with the publication of amended versions of the Safety Management Manual, Safety Management Standard Regime, Implementation Rules on Production Safety Accountability for Typical Positions at Project Companies and Standards for the Installation of Safety Facilities. Our organisational regime has also been optimised through the establishment of a safety management structure comprising the "Safety Committee – Safety Sub-Committee – Safety Branch Committee" to facilitate the effective implementation of safety management responsibilities at all levels. The Privacy Policy of the Group sets out the scope, standards, and procedures for employees and suppliers to handle customer information in a secured manner. We also require all parties to respect intellectual property rights by outlining the clauses in the policy.

For details of the Group's ESHS management, please refer to "Excelling in Environmental Management" chapter in the Report.

## 環境和社會管理

本集團的ESHS管理體系以運營和建設期的重大風險管控議題為核心，設有ESHS管理組織架構，配套以標準管理體系（包括制度、標準、標準作業程式（「SOP」）、檢查表等），設立了完善的ESHS檢查、監督考核和上報機制。於二零一八年，本集團繼續健全ESHS管理體系，修訂發佈《安全管理手冊》、《安全管理標準體系》、《項目公司典型崗位安全生產責任制實施細則》、《安全設施配置標準》等，並優化組織體系，建立「安委會—分安會—支安會」安全管理架構，促進各級安全管理責任有效落實。本集團的《私隱政策》清楚列明員工及供應商在處理客戶私隱及資料時的範圍、標準及程序以確保客戶的資料受到保護。此外，該政策亦訂立了防止侵犯版權的條文，務求各方尊重知識產權。

有關本集團ESHS管理更多的詳細策略和工作，請參閱本報告「卓越環境管理」章節。

## Supplier Management

In addition to internal risk control, the Group has extended our excellent ESHS management to the entire value chain. We have set a fair and transparent code for the selection and management of suppliers and contractors. The Group's Supplier Management Measures strengthen the management of suppliers and ensure their products and services meet the Company's requirements on quality and sustainability. The management methods covers topics on division of responsibilities, rank and evaluation of suppliers, development of new suppliers, dynamic management of suppliers, management of unqualified suppliers, and punishment on misconduct. It covers suppliers of equipment, main materials, construction units, design units, operation centers, etc.

We have conducted evaluation on suppliers on a regular basis. Suppliers are categorised into four classes, A to D, based on their professional standards, financial status and compliance records. Suppliers with the lowest class that fail to provide evidence that it is capable of fulfilling the requirements of the Group will be removed from the list. In addition, our Project Tender Management Measures, Management Measures for Appraisal Expert Database, Contractor ESHS Management Standard, and Supplier Management Measures can further improve business partners' sustainability performance.

During the Reporting Period, the Group arranged numerous visits to our major suppliers, and our major suppliers paid return visits to some of our projects in light of the service conditions, so as to further refine the list of suppliers.

## Supplier Code of Conduct

We have developed the Supplier Management Measures to systematically regulate suppliers' behavior with respect to economic, environmental, and social dimensions, while encouraging our suppliers to treat their suppliers with the same standards and improve the sustainability of the overall supply chain. All suppliers are required to comply with this code when conducting business with the Group.

## 供應商管理

除了內部風險監控，本集團更將我們優秀的 ESHS 管理延伸到整條價值鏈。我們為供應商及承包商的選擇及管理訂立了公正和透明的守則。本集團的《供應商管理辦法》加強了供應商的管理工作，確保其產品和服務符合公司在質量和可持續發展方面的要求。該管理辦法包括職責分工、供應商等級及評價、新供應商的開發、供應商動態管理、不合格供應商的管理和違規處罰等，涵蓋設備、主材料、施工單位、設計單位、運營中心及供應商等。

我們對供應商進行定期評估，將他們劃分為 A 至 D 四個等級，準則包括供應商的專業水平、財務狀況及合規記錄等，而等級最低的供應商若未能證明能夠達到本集團的要求，我們將會終止與其的合作。除此以外，我們的《項目招標管理辦法》、《評審專家庫管理辦法》、《承包商 ESHS 管理標準》及《供應商管理辦法》等進一步引領業務夥伴提升其可持續發展表現。

於報告期內，本集團組織了多次供應商考察活動，並針對主要供應商的服務情況進行項目回訪，進一步優化供應商庫。

## 供應商行為準則

我們制定了《供應商管理辦法》以系統地規範供應商在經濟、環境及社會領域的行為，同時更鼓勵我們的供應商以相同的標準對待他們的供應商，提升整體供應鏈的可持續性。所有供應商在與本集團進行業務來往或參與任何與本集團有關的活動時都應遵守此準則。



Key Points of the Supplier Code of Conduct

供應商行為守則要點

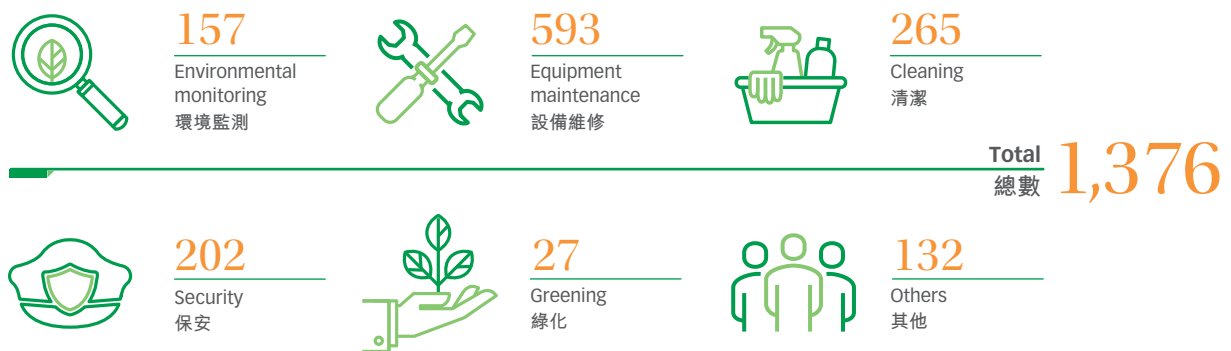
<b>Economic</b> 經濟	Business should be done from an ethical standpoint and operate with honest attitude. 我們規定供應商業務的進行應從道德觀點出發，以誠實的態度進行經營。
<b>Environmental</b> 環境	Suppliers should minimise any negative environmental impact in their operation, increase monitoring, and pay attention to environmental issue. 我們要求供應商在其運營中盡量減少對環境的負面影響，加大監控力度，重視環境問題。
<b>Social</b> 社會	We expect suppliers to comply with relevant national labour policies and regulations, including avoiding any slavery, forced labour, bonded labour, child labour and abuse, to protect the basic human rights of employees, and to consider public welfare. 我們期望供應商遵守國家的有關勞工政策和法規，當中包括避免任何奴役、強迫勞動、抵押勞工、使用童工及虐待行為，保護員工基本人權，並考慮公眾社會的福利。
<b>Management System</b> 管理制度	We encourage suppliers to improve their management responsibilities, enhance corporate responsibility performance, and increase employees' training. 我們鼓勵供應商提升管理職責，提升企業責任績效，加大員工培訓力度。

As of 31 December 2018, the Group engaged a total of 113 suppliers, all of which were located in the Mainland China.

截至二零一八年十二月三十一日，本集團建立合作關係的供應商共有113個，所有的供應商均位於中國內地。

Number of Outsourced Service Workers in 2018

二零一八年外判服務工人數目



## Supplier Sustainability Risk Assessment

To further enhance the sustainability development of supply chain and master the ESHS performance of various categories of suppliers, the Group regularly conducts sustainability risk assessments of selected suppliers, covering electrical equipment, project construction, lifting machinery, pumping equipment, air system technology, water treatment equipment, etc. The main scope of assessment includes the qualifications of suppliers in production, operation and safety, product quality, environmental and social management systems, etc.

## Sustainable Development Strategies and Goals

The SDGs are a series of international development goals announced by the UN aimed at making improvements in three dimensions of development issues – social, economic and environmental – in an integrated approach from 2015 to 2030, calling for a switch to the path of sustainable development and endeavouring to create a fairer and more environmentally friendly world with all countries.

As a corporate citizen, the Group has actively focused on the SDGs and has been striving for each SDG throughout the years. We will continue to incorporate the SDGs into our core decision-making process, and hope to integrate the SDGs with our daily operations to create new opportunities for sustainable development.

## 供應商可持續發展風險評估

為進一步提升供應鏈可持續發展，瞭解各類型的供應商於ESHS方面的表現，本集團每年均選擇不同供應商進行可持續發展風險評估。供應商的業務涵蓋了電力設備、工程施工、起重機械、泵類設備、空氣系統技術、水處理設備等。評估的範圍主要包括供應商的生產、運營及安全方面的資質，以及質量、環境和社會方面的管理體系等。

## 可持續發展策略及目標

可持續發展目標是聯合國的一系列國際發展目標，旨在從二零一五年到二零三零年間以綜合方式改善社會、經濟和環境三個維度的發展問題，轉向可持續發展道路，與各國一同創造一個更公平、更環保的世界。

作為企業社會公民的一份子，本集團積極關注聯合國可持續發展目標，並在過去數年一直朝著各可持續發展目標奮鬥。我們將可持續發展目標逐步融入企業核心決策過程，希望將可持續發展目標與項目的日常運營更加緊密地結合，創造可持續發展的新契機。

# SUSTAINABLE DEVELOPMENT GOALS

# 可持續發展目標

## Environment 環境



Ensure access to affordable, reliable, sustainable and modern energy for all  
確保人人獲得負擔得起的、可靠和可持續的現代能源



Build resilient infrastructure, promote inclusive and sustainable industrialisation and foster innovation  
建造具備抵禦災害能力的基礎設施，促進具有包容性的可持續工業化，推動創新



Make cities and human settlements inclusive, safe, resilient and sustainable  
建設包容、安全、有抵禦災害能力和可持續的城市和人類住區



Take urgent action to combat climate change and its impacts  
採取緊急行動應對氣候變化及其影響



Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss  
保護、恢復和促進可持續利用陸地生態系統，可持續管理森林，防治荒漠化，制止和扭轉土地退化，遏制生物多樣性的喪失

## Social 社會



End poverty in all its forms everywhere  
在全世界消除一切形式的貧困



Ensure healthy lives and promote well-being for all at all ages  
確保健康的生活方式，促進各年齡段人群的福祉



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all  
確保包容和公平的優質教育，讓全民終身享有學習機會



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all  
促進持久、包容和可持續經濟增長，促進充分的生產性就業和人人獲得體面工作



Reduce inequality within and among countries  
減少國家內部和國家之間的不平等



Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels  
創建和平、包容的社會以促進可持續發展，讓所有人都能訴諸司法，在各級建立有效、負責和包容的機構

## 05

We work with collective wisdom and efforts, and  
**CREATE A PROSPEROUS FUTURE  
FOR OUR STAKEHOLDERS**

群策群力，為持份者締造光輝前景





**W**e believe that stakeholders provide valuable insights to our business development, which support us in developing sustainable and long-term strategies. Therefore, we invited stakeholders to join us on a regular basis, throughout the whole project life cycle from the planning stage to the operation stage, to express their views on issues that are relevant to our operational and environmental performance, thus identifying priority issues within all our operations and the associated concerns pertinent to sustainability.

We actively communicate with our stakeholders on our businesses, operations and sustainable development through processes that are collaborative, transparent and responsive. We also implement the expectations and requirements of each stakeholder in the daily operations of the Group and commit to create a greater shared value for investors, customers, employees, government and local communities.

### Identifying Stakeholders

We identify our stakeholders based on the following five principles:

Responsibility 責任	Influence Power 影響力	Proximity 鄰近性	Dependency 倚靠性	Representation 代表性
Stakeholders linked to us through legal, financial, operational regulations, contracts, and/or policies 通過法律、財務、運營規則、合約及/或政策與我們聯繫的持份者	Stakeholders with formal decision-making power or informal influence on the Company 對本公司具有正式決策權或非正式影響力的持份者	Stakeholders who live close to our operating plants and that we interact closely with 居於我們運營廠房附近及與我們的日常運作關係密切的持份者	Stakeholders who are most dependent on our operations 在很大程度上倚靠我們業務運營的持份者	Stakeholders who are representatives from the most relevant sectors 來自與我們聯繫最緊密的業界代表的持份者

**我**們相信持份者的聲音能為本集團的業務發展帶來真知灼見，有助我們制定持續和長期的發展策略。因此，我們在項目的各個週期，從初始的規劃階段至運營階段都會定期邀請持份者發表對我們運營和環保表現的意見，以識別所有運營項目中的優先議題及備受關注的相關可持續性事項。

我們積極通過具協作性、透明度和反應度的渠道，就業務、運營及可持續發展事宜與持份者溝通，並將各持份者的期望與要求貫徹於集團的日常運營中，不斷地為投資者、客戶、員工、政府及當地社區等創造更大的共享價值。

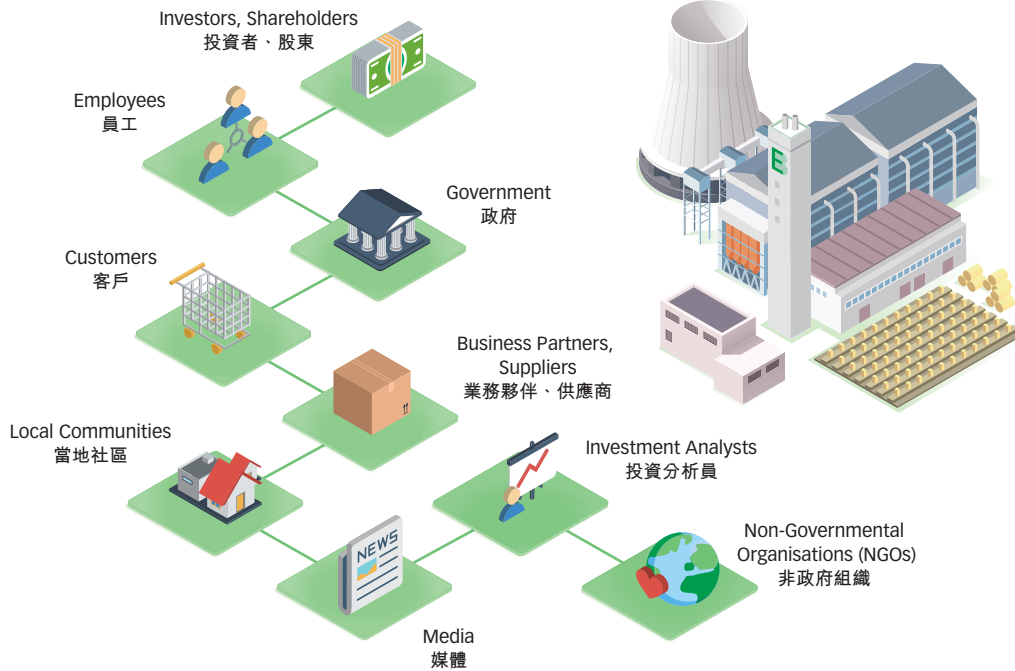
### 持份者的界定

我們對持份者的界定基於以下五個原則：



Stakeholder Groups and Channels of Communication

主要持份者及溝通途徑



Investors, Shareholders 投資者、股東	Employees 員工	Government 政府	Customers 客戶	
Annual/extraordinary general meeting Press release/announcement Interim report/annual report Non-deal roadshow Circular/meeting 週年/特別股東大會 新聞稿/公告 中期報告/年報 非交易性路演 通函/會議	Work meeting/project meeting Interim/year-end performance review meeting Phone/email Face-to-face meeting Everbright publication Charity 工作會議/專題會議 年中/年末表現 評估會議 電話/電郵 當面會談 光大報刊 公益活動	Progress Report Site visit Meeting WeChat and QQ Phone/email 進度報告 現場考察 會議 微信及QQ 電話/電郵	Phone/email Customer satisfaction survey 電話/電郵 客戶滿意度調查	
Business Partners, Suppliers 業務夥伴、供應商	Local Communities 當地社區	Media 媒體	Investment Analysts 投資分析員	Non-Governmental Organisations (NGOs) 非政府組織
Procurement tender Phone/email Questionnaire WeChat and QQ 採購招標會 電話/電郵 調查問卷 微信及QQ	Project visit Survey Public hearing 項目參觀 意見調查 公聽會	Project visit Press release Management interview 項目參觀 新聞稿 管理層採訪	Project visit Meeting Press release/announcement Interim report/annual report 項目參觀 會議 新聞稿/公告 中期報告/年報	Seminar Meeting Phone/email 講座 會議 電話/電郵

Corporate Memberships

企業會籍

Associations Joined by Everbright Greentech 光大綠色環保參與的協會	Key Activities in 2018 二零一八年重點活動
<p><b>Biomass Energy Industry Productivity Association ("BEIPA"), China Association for the promotion of Industrial Development</b> 中國產業發展促進會 生物質能產業分會 (「生物質能產業促進會」)</p>	<p>Attended the National Technology and Innovation Symposium for Waste-to-Energy Industry 2018 參加二零一八年全國垃圾焚燒發電產業技術創新交流大會</p> <p>Attended the National Innovation and Development Summit for Agricultural and Forestry Biomass Energy Industry 2018 參加二零一八年全國農林生物質發電行業創新與發展高峰論壇</p> <p>Attended the International Symposium on Utilisation of Clean Biomass Energy 參加生物質能清潔利用國際研討會</p> <p>Participated in the production of: 參與錄製拍攝：</p> <ul style="list-style-type: none"> <li>- Promotion video on agricultural and forestry biomass co-generation industry 農林生物質熱電行業宣傳片</li> <li>- Promotion non-commercial video on biomass energy industry 生物質能源行業公益宣傳片</li> </ul> <p>Participated in the complication of: 參與編制：</p> <ul style="list-style-type: none"> <li>- Waste-to-Energy Report 2018 《二零一八年垃圾焚燒發電報告》</li> <li>- China Biomass Energy Industry Ranking Report 2018 《二零一八年中國生物質能發電產業排名報告》</li> <li>- China Agricultural and Forestry Biomass Waste-to-Energy and Co-generation Industry Development Report 2018 《二零一八年中國農林生物質發電及熱電聯產產業發展報告》</li> <li>- Research Report on Biomass Energy Tariff 《生物質電價政策研究報告》</li> </ul>
<p><b>Anhui Environmental Protection Federation</b> 安徽省環保聯合會</p>	<p>Attended the training for environmental monitoring and technical personnel 參加環境監測及相關技術人員培訓班</p> <p>Attended the training for operational staff of environmental protection facilities 參加環境保護設施運行人員培訓班</p>
<p><b>Suzhou Environmental Protection Industry Association</b> 蘇州市環保產業協會</p>	<p>Attended the 7th session of the 3rd council meeting 參加第三屆七次理事會</p>

## Materiality Assessment

To identify significant sustainability risks and opportunities of Everbright Greentech, we conduct a comprehensive materiality assessment on an annual basis. This assessment guides the prioritisation of topics identified during the stakeholder engagement process and helps us determine the economic, environmental and social issues that are of most concern to the Group and its stakeholders, so that we could make corresponding adjustments to allocate resource and enhance critical clarity in the reporting and communications of the sustainability report.

### The Major Steps of Our Materiality Assessment



#### Identification of Potential Issues 識別潛在議題

#### Prioritisation of Material Topics 實質性議題的排序

#### Validation of Material Topics 核實實質性議題

### Identification of Potential Issues

The identification of material topics was carried out by our independent sustainability consultant. A list of over 30 significant issues was compiled from the evaluation of Everbright Greentech's major impacts on economic, environmental, labour, human rights and other social issues in terms of sustainability. These key topics were determined from extensive sources of information, including GRI Standards, opinions from the stakeholders, Everbright Greentech's policies and management strategies, internal publications and media reports, etc.

### 實質性評估

為辨別光大綠色環保的重大可持續發展風險及機遇，我們每年均會進行一次全面的實質性評估。評估將對從持份者參與過程中識別出來的議題進行優先排序，確定本集團及持份者最為關切的經濟、環境和社會議題，從而調整資源投放，並使可持續發展的報告和通訊更具針對性。

### 實質性評估的主要步驟

### 識別潛在議題

實質性議題的識別經由本集團的獨立可持續發展顧問進行。評估收集了超過30個光大綠色環保於經濟、環境、勞工、人權及其他社會事項的重大可持續發展議題。這些關鍵議題乃透過廣泛資料來源所得，其中包括GRI準則、持份者的意見、公司政策及管理策略、內部刊物及媒體報導等。





### List of Sustainability Issues 可持續發展議題列表

Economic 經濟	Environmental 環境	Social 社會	
<ul style="list-style-type: none"> <li>Economic Performance 經濟績效</li> <li>Market Presence 市場地位</li> <li>Indirect Economic Impacts 間接經濟衝擊</li> <li>Procurement Practices 採購行為</li> <li>System Efficiency 系統效率</li> <li>Technological R&amp;D 科研及開發</li> <li>Anti-Corruption 反貪腐</li> <li>Anti-Competitive Behaviour 反競爭行為</li> </ul>	<ul style="list-style-type: none"> <li>Materials and Resources Usage 物資及資源使用</li> <li>Energy Efficiency 能源效益</li> <li>Usage of Water 水資源消耗</li> <li>Greenhouse Gas management and Climate Change Mitigation 溫室氣體管理及氣候變化的應對</li> <li>Waste Water and Waste Management 污水及廢棄物處理</li> <li>Biodiversity 生物多樣性</li> <li>Environmental Compliance 環保合規的遵循</li> <li>Suppliers' Environmental Assessment 供應商環境評估</li> <li>Construction Management 在建項目施工管理</li> </ul>	<ul style="list-style-type: none"> <li>Employee Welfare 員工福利</li> <li>Occupational Health and Safety 職業健康與安全</li> <li>Training and Education 培訓及教育</li> <li>Diversity and Equal Opportunity 多元化及平等機會</li> <li>Non-Discrimination 非歧視</li> <li>Internal Communication 內部溝通</li> <li>Suppliers' Social Assessment 供應商社會評估</li> <li>Rights of Indigenous People 原住民權利</li> </ul>	<ul style="list-style-type: none"> <li>Human Rights Assessment 人權評估</li> <li>Child Labour and Forced Labour 童工或強制勞工</li> <li>Participation of Local Community 當地社區參與</li> <li>Social Compliance 社會法規的遵循</li> <li>Customer Privacy 客戶私隱</li> <li>Disaster/Emergency Planning and Response 災難及應急預案規劃</li> <li>Customer Health and Safety 顧客健康與安全</li> </ul>

### Prioritisation of Material Topics

A stakeholder engagement survey was conducted by our independent sustainability consultant to obtain the order of priority of the material topics identified in Stage 1 from 9 key stakeholder groups. The findings were summarised and analysed by the consultant as a materiality matrix based on two parameters: perceived importance to the stakeholders and impacts significant to Everbright Greentech. The top 10 prioritised material topics perceived by both the stakeholders and the Group as having the highest importance form the focus of disclosure of the Report.

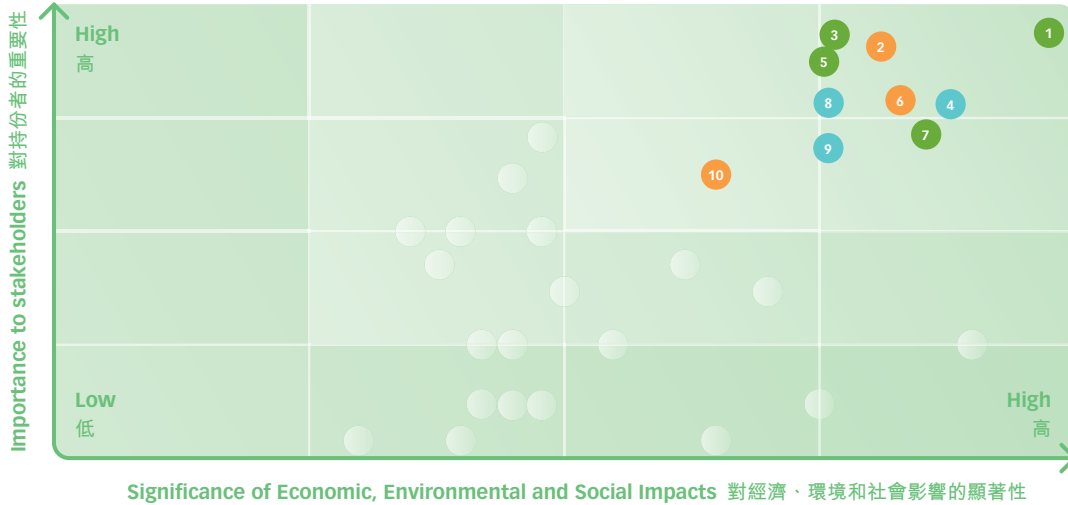
### 實質性議題的排序

我們的獨立可持續發展顧問對九個重點持份者組別進行問卷調查，依據調查結果為第一階段識別的實質性議題作優先排序。顧問隨即根據持份者對議題的取向和議題對光大綠色環保的重要性兩個層面，對這些議題的得分進行統計及分析，並將結果以矩陣表達，從而確定在兩個層面最為重要的議題。前十個於持份者和集團層面最為重要的實質性議題即為本報告的披露重點。



Materiality Matrix

實質性矩陣



Economic 經濟	Environmental 環境	Social 社會
<ul style="list-style-type: none"> <li>4 Economic Performance 經濟績效</li> <li>8 Technological R&amp;D 科研及開發</li> <li>9 Market Presence 市場地位</li> </ul>	<ul style="list-style-type: none"> <li>1 Energy Efficiency 能源效益</li> <li>3 Environmental Compliance 環保法規的遵循</li> <li>5 Waste Water and Waste Management 污水及廢物處理</li> <li>7 Materials and Resources Usage 物資及資源使用</li> </ul>	<ul style="list-style-type: none"> <li>2 Occupational Health and Safety 職業健康與安全</li> <li>6 Disaster and Emergency Planning and Response 災難及應急預案規劃</li> <li>10 Employee Welfare 員工福利</li> </ul>

Validation of Material Topics

The 10 prioritised material topics and boundaries were validated by Everbright Greentech’s senior management to ensure the rationality, balance and completeness of the Report. Following this process, our independent sustainability consultant reframed the material topics into GRI Topic-specific Standards for ease of reporting. The established systematic data collection and monitoring mechanisms managed by our specialists in the operation management department of the Company ensures that all project companies provide accurate and comprehensive data on a regular basis.

核實實質性議題

光大綠色環保的高級管理人員對這十個經優先排序的實質性議題及其邊界作驗證，以確保報告的合理性、平衡性及完整性。隨後，我們的獨立可持續發展顧問將實質性議題轉換為GRI特定主題準則，方便報告之用。本公司運營管理部的專員透過系統式的數據收集和監測機制，確保所有項目公司定期提供準確、全面的可持續發展數據作報告之用。



## Top 10 Material Topics of Everbright Greentech

## 光大綠色環保的十大實質性議題

Material Topics 實質性議題	Impact and Boundaries 影響及範圍									GRI Topic-specific Standards GRI特定主題準則	Relevant SDGs 相關的 可持續發展目標
	Investors, Shareholders 投資者、股東	Employees 員工	Government 政府	Local Communities 當地社區	Customers 客戶	Business Partners, Suppliers 業務夥伴、 供應商	Investment Analysts 投資分析員	Media 媒體	NGOs 非政府組織		
1 Energy Efficiency 能源效益	✓	✓	✓	✓	✓	✓				GRI 302 Energy 能源	 
2 Occupational Health and Safety 職業健康與安全	✓	✓	✓					✓	✓	GRI 403 Occupational Health and Safety 職業安全衛生	
3 Environmental Compliance 環保法規的遵循	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 307 Environmental Compliance 有關環境保護的 法規遵循	 
4 Economic Performance 經濟績效	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 201 Economic Performance 經濟績效	 
5 Waste Water and Waste Management 污水及廢物處理	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 306 Effluent and Waste 廢污水和廢棄物	 
6 Disaster/Emergency Planning and Response 災難及應急預案規劃	✓	✓	✓	✓	✓	✓		✓	✓	Disaster/Emergency Plan (GRI Electric Utilities Sector Disclosures) 災難/緊急應變計劃 (GRI電力行業披露文件 的特定標準披露)	



Material Topics 實質性議題	Impact and Boundaries 影響及範圍									GRI Topic-specific Standards GRI特定主題準則	Relevant SDGs 相關的 可持續發展目標
	Investors, Shareholders 投資者·股東	Employees 員工	Government 政府	Local Communities 當地社區	Customers 客戶	Business Partners, Suppliers 業務夥伴· 供應商	Investment Analysts 投資分析員	Media 媒體	NGOs 非政府組織		
7 Materials and Resources Usage 物質及資源使用	✓	✓			✓	✓	✓	✓	✓	GRI 301 Materials 物料	
8 Technological R&D 科研及開發	✓	✓	✓	✓	✓	✓	✓	✓		Research and Development (GRI Electric Utilities Sector Disclosures) 科研及開發 (GRI電力行業披露文件的特定標準披露)	
9 Market Presence 市場地位	✓	✓		✓					✓	GRI 202 Market Presence 市場地位	
10 Employee Welfares 員工福利	✓	✓						✓	✓	GRI 401 Employment 勞雇關係	   

## Voices of Stakeholders

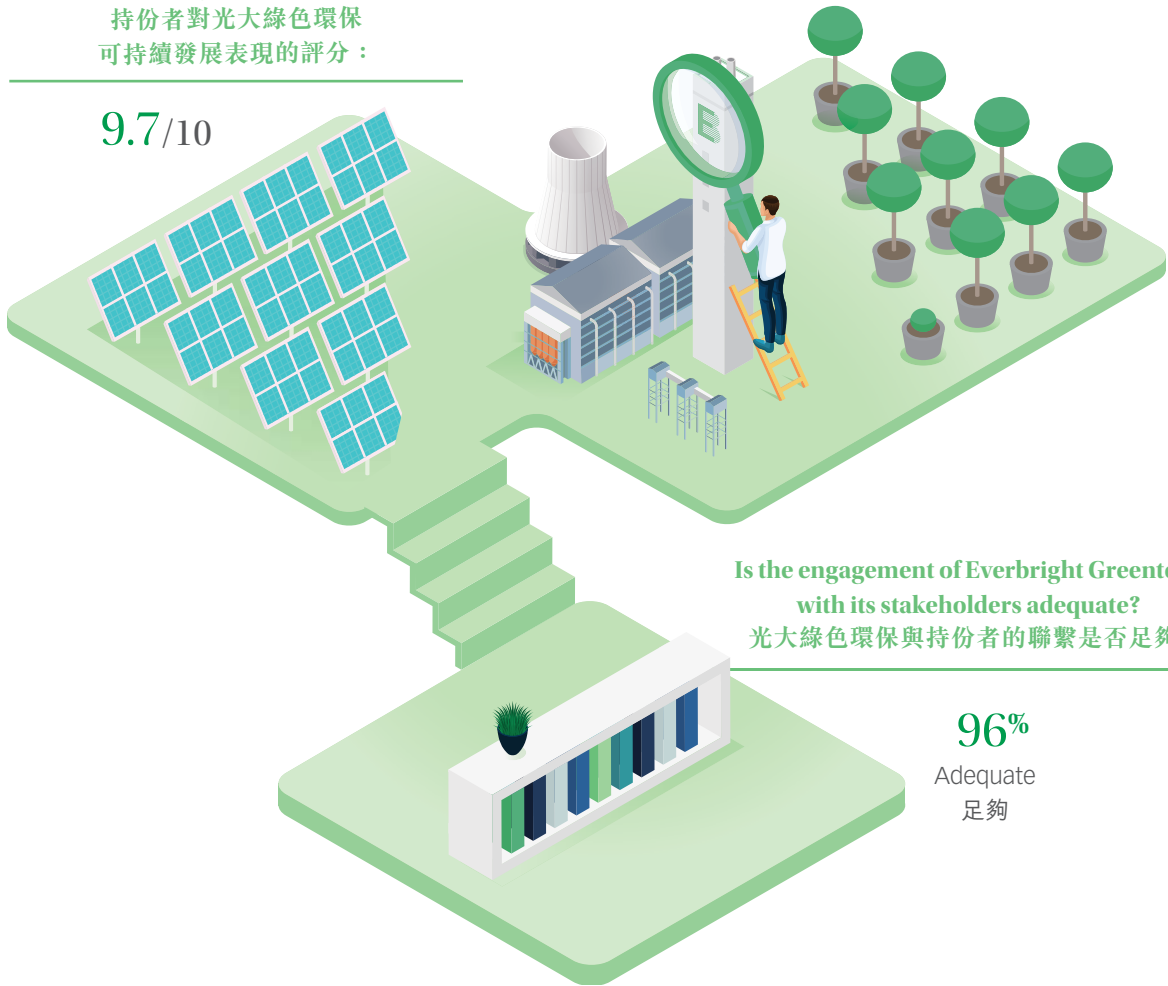
## 持份者心聲

Stakeholders' rating for the sustainable development performance of  
Everbright Greentech:  
持份者對光大綠色環保  
可持續發展表現的評分：

9.7/10

Stakeholders' rating for Everbright  
Greentech's Sustainability Report 2017:  
持份者對光大綠色環保二零一七年  
可持續發展報告的評分：

9.1/10



Is the engagement of Everbright Greentech  
with its stakeholders adequate?  
光大綠色環保與持份者的聯繫是否足夠？

96%  
Adequate  
足夠



“As an executive board member of the BEIPA, Everbright Greentech always actively supports the events organised by the Association and made positive contributions to the sustainable development of agricultural and forestry biomass cogeneration industry.”

「光大綠色環保是生物質能產業促進會常務理事單位，協會舉辦的一系列活動，光大綠色環保均積極支持參與，為農林生物質熱電行業的可持續發展做出了積極的貢獻。」

*NGO (BEIPA)*

非政府組織（生物質能產業促進會）



“As a pioneer in the environmental protection industry, Everbright Greentech has always been advancing all operations in persistent adherence to a “Prudent, Proactive and Practical” approach to development, while seeking consistent improvements in management awareness and systems to further enhance its core competitiveness.”

「光大綠色環保作為環保行業的先行者，始終遵循「穩、進、實」的發展思路推進各項工作，不斷強化管理意識，完善管理制度，進一步提升核心競爭力。」

*Media*

媒體



“A very responsible environmental protection enterprise which places a strong emphasis on sustainable development.”

「很有責任和擔當的環保企業，注重可持續發展。」

“The information of Everbright Greentech’s projects is highly transparent. Their communications with us are frequent and smooth.”

「光大綠色環保項目資訊公開度高，與我們溝通很頻繁且順暢。」

*Government*

政府



“Timely communication through email, WeChat, and other channels. The company is organised; works are properly divided; communication is effective and accurate.”

「聯繫較為充分，郵件、微信等渠道，溝通及時，組織明確，分工得當，資訊傳遞有效、準確。」

*Employee*

員工

## 06

We commit to protecting clear water and blue sky,  
**AND BUILDING A BETTER HOME**

保護藍天碧水，共建美好家園





In 2018, National Conference on Ecological and Environmental Protection with the highest order ever seen was held to further emphasise the importance of the building of ecological civilisation as a “fundamental blueprint” for the lasting development of the Chinese race. Action plans and implementation proposals such as Opinions on Strengthening the Protection of the Ecological Environment in All Aspects and Firmly Winning the Battle of Preventing and Controlling Environmental Pollution and Three-year Action Plan for Winning the Battle of Blue Sky Protection were announced successively to unveil the full-scale battle for the protection of blue sky, clear water and clean land. As a provider of specialised environmental protection services in China, Everbright Greentech always adheres to the concept of green development, closely follows national policies, and devotes itself as a new force contributing to the ecological civilisation and environmental protection in China.

## Environmental Management Strategy

The Group’s Operations Manual, Environmental and Social Management System (“ESMS”) and ESHS Management System have set a clear instruction on air and greenhouse gas emissions, discharges into water and land, generation of hazardous and non-hazardous waste, as well as the efficient use of energy, water and other raw materials. The Group strives to minimise any impacts on the environment and natural resources arising from its operations. The Group also proactively promotes ISO 14001 Environmental Management System in its operating environmental projects.

In order to allow public supervision on the Group’s environmental management, all of the Group’s projects in operation have completed matching in online monitoring systems for flue gas and waste water discharge, etc., and have linked up with the government’s regulatory/public announcement platforms to facilitate uploading of real-time discharge data for governmental and public supervision. The Group has also developed an environmental information system with real-time connection with the national automatic monitoring and baseline database system for major pollution sources (the “Guofa platform”) to exercise regulation over supervision over pollutant discharge by project companies, regardless of whether they are connected to the Guofa platform. As required by the government, the Group has also disclosed environmental impact assessment report, environmental monitoring data, inspection/testing data for occupational health factors and other information via various media to facilitate public supervision.

二零一八年，史上規格最高的全國生態環境保護大會召開，將生態文明建設的高度進一步提升為關係中華民族永續發展的「根本大計」；《關於全面加強生態環境保護堅決打好污染防治攻堅戰的意見》、《打贏藍天保衛戰三年行動計劃》等多個作戰計劃和實施方案陸續出台，藍天、碧水、淨土保衛戰全面展開。作為一家中國專業環保服務提供商，光大綠色環保始終堅持綠色發展理念，緊扣國家政策，致力成為中國生態文明建設和環境保護的生力軍。

## 環境管理策略

本集團的《運營手冊》、《環境與社會管理制度》（「ESMS」）及ESHs管理體系對運營所涉及的廢氣及溫室氣體排放、向水及土地的排污以及有害及無害廢棄物的產生，以及有效使用能源、水及其他原材料方面提供了明確的指引，致力減低本集團的運營對環境及天然資源造成的影響。本集團亦積極於運營環保項目內推行ISO 14001環境管理標準體系。

為加強公眾參與本集團的環境管理，本集團要求旗下所有運營項目迅速地完成煙氣、污水排放等線上監測系統的比對工作，並與政府監管／公示平台聯網，即時上傳排放數據，接受政府及公眾監督。本集團亦建成環境資訊系統，並實時對接國家重點污染源自動監控與基礎數據庫系統（「國發平台」），對納入或未納入國發平台的項目公司排放情況進行監管。本集團亦根據政府要求，通過各種媒體手段對項目環境影響評價報告、環境監測數據、職業健康因素檢測資料等進行公示，接受公眾監督。

During the Reporting Period, the Group continued to optimise its ESHS Management System and put in place the SOP. The Group also formulated emergency response plans and conducted a comprehensive review on the execution to rectify any identified issues.

### Overall Contribution to the Environment

Our business model stresses on environmental friendliness, delivering cleaner energy, better environment, health and wellbeing to our stakeholders. Our integrated biomass utilisation projects convert biomass raw materials such as agricultural and forestry residues into electricity and heat, which avoid open burning of such raw materials and helps alleviate the serious air pollution and smog problem in China. We have also developed a unique business model combining biomass utilisation and waste-to-energy operations, providing a one-stop holistic solution for integrated treatment of agricultural and forestry residues and urban-rural household wastes, thus reducing the adverse per capita environmental impact in the rural areas. Together with our solar energy and wind power projects, the green energy generated by Everbright Greentech provides electricity support to various regions, and increases the share of renewable energy in the regional energy mix, demonstrating Everbright Greentech's dedication to the green energy era in China.

During the Reporting Period, our power generation projects supplied approximately 2,873,870,000 kWh of green electricity, which can meet the annual electricity consumption of 2,394,892 households. In addition to the substantial increase in electricity supply of 72.35% compared with 2017, 2,480,116.54 tonnes of carbon dioxide (CO<sub>2</sub>) equivalent emissions were offset, equivalent to 373,603,100 trees planted.

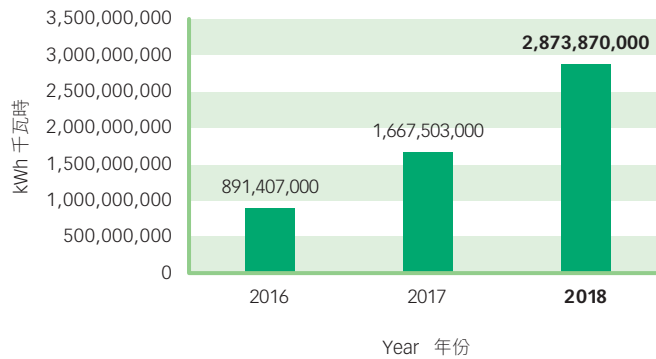
報告期內，本集團繼續完善ESHS管理體系，貫徹執行SOP、制定了事故應急預案並對具體執行情況開展了全面檢查活動，針對發現的問題實現了有效的整改。

### 整體環保貢獻

我們以環保為本的業務模式為各持份者提供更清潔的能源及更佳的环境、健康和福祉。我們的生物質綜合利用項目將農林廢棄物等生物質原材料轉換為電力和熱能，避免各地露天焚燒該等原材料，從而改善中國日益嚴重的空氣污染及霧霾問題。除此之外，我們更開發出獨特的一體化業務模式，將生物質綜合利用與垃圾發電運營融為一體建設，統籌處理農林廢棄物及城鄉生活垃圾，從而減少農村地區的人均環境影響。連同我們的光伏發電及風電項目，光大綠色環保產生的綠色能源為眾多地區提供電力支援，增加了可再生能源在區域能源總量的比重，在中國綠色能源時代展現了光大綠色環保的貢獻。

報告期內，本集團的發電項目提供了綠色電力約2,873,870,000千瓦時，能滿足相等於2,394,892戶家庭一年所需的用電量。除供電量較二零一七年大幅上升72.35%外，更合共抵消二氧化碳(CO<sub>2</sub>)當量排放2,480,116.54噸，相等於種植樹木373,603,100株。

### On-Grid Green Electricity Supplied 供應綠色上網電量



### Emissions Control

We accord top priority to environmental performance of our projects, and effectively minimise public health hazard through clean production. Hence, we strictly control flue gas emissions such as particulate matter, sulphur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>) in all combustion operations. We have further implemented stringent operational procedures with frequent inspections and extensive supervision, aiming at effectively controlling fugitive emissions at our projects. All of our biomass combustion operations meet the “Emission Standard of Air Pollutants for Thermal Power Plants” (GB13223-2011)<sup>(1)</sup> and “Emission Standard of Air Pollutants for Boiler” (GB13271-2014), while our waste-to-energy operations fully comply with the “Standard for Pollution Control on the Municipal Solid Waste Incineration” (GB18485-2014)<sup>(2)</sup>, with the daily average values of online continuously monitored parameters well below the respective emission limits as stipulated under the European Union Industrial Emissions Directive (2010/75/EU) (“Euro 2010”).

Notes:

- (1) Key air pollutants regulated by relevant national laws and regulations include particulate matter, sulphur dioxide (SO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>);
- (2) Key air pollutants regulated by relevant national laws and regulations include dioxins, particulate matter, sulphur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), hydrogen chloride (HCl), carbon monoxide (CO), mercury and other heavy metals (and their compounds), and malodourous pollutants.

### 控制氣體排放

我們高度重視項目的環保表現，致力通過清潔生產減低公眾的健康風險。故此我們嚴格控制所有焚燒運營的顆粒物、二氧化硫(SO<sub>2</sub>)及氮氧化物(NO<sub>x</sub>)等煙氣排放。我們更採納了嚴謹的操作程序、高頻率的檢查及嚴格的監督，旨在有效地控制項目的無組織氣體排放。我們所有生物質燃燒的運營均達《火電廠大氣污染物排放標準》(GB13223-2011)<sup>(1)</sup>及《鍋爐大氣污染物排放標準》(GB13271-2014)；而垃圾發電的運營則完全符合《生活垃圾焚燒污染控制標準》(GB18485-2014)<sup>(2)</sup>，當中煙氣在線監測指標日均值全面優於歐盟《工業排放指令》(2010/75/EU)（「歐盟2010」）中的相關排放限值。

附註：

- (1) 受相關國家法律及規例規管的大氣污染物主要包括顆粒物、二氧化硫(SO<sub>2</sub>)、氮氧化物(NO<sub>x</sub>)；
- (2) 受相關國家法律及規例規管的大氣污染物主要包括二噁英、顆粒物、二氧化硫(SO<sub>2</sub>)、氮氧化物(NO<sub>x</sub>)、氯化氫(HCl)、一氧化碳(CO)、汞和其他重金屬（及其化合物）、惡臭污染物。

## Air Emissions of Operating Projects in 2018

## 二零一八年運營項目煙氣排放總量

Particulate Matter 顆粒物	Sulphur Dioxide (SO <sub>2</sub> ) 二氧化硫	Nitrogen Oxides (NO <sub>x</sub> ) 氮氧化物
93.18	667.38	1,469.85

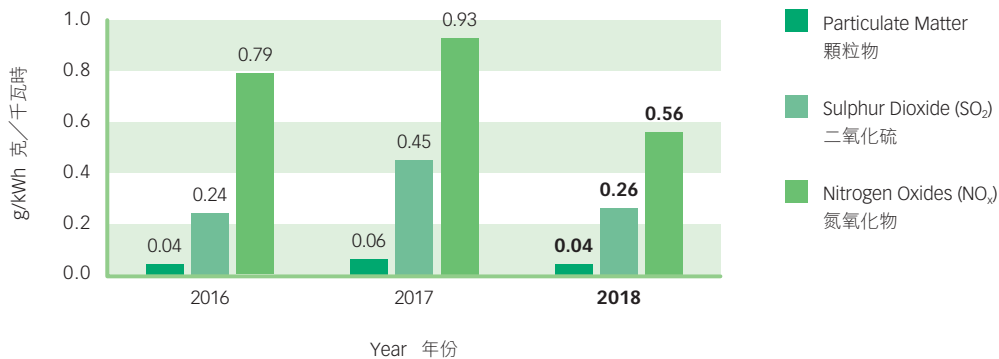
Unit: tonne  
單位：噸

In addition, other air pollutants such as dioxins and various heavy metals are tested by Everbright Greentech with frequencies beyond national requirements. For instance, the testing of dioxins has reached at least four times a year, which is significantly higher than the national requirement of once per year. Dioxins concentrations of all samples were substantially lower than the emissions limits of the "Standard for Pollution Control on the Municipal Solid Waste Incineration" (GB18485-2014).

此外，光大綠色環保對煙氣二噁英和各種重金屬等污染物均以高於國家的要求作更頻密的檢測，而當中煙氣二噁英的檢測頻率更達每年至少四次，遠高於國家每年一次的檢測要求，所有檢測樣本濃度均遠低於《生活垃圾焚燒污染控制標準》(GB18485-2014)中所列的限值。

### Air Emissions per kWh of On-grid Green Electricity Supplied

#### 每千瓦時綠色上網電量的煙氣排放量



Note:

- (1) Includes all power-generating integrated biomass utilisation projects of Everbright Greentech.

附註：

- (1) 包括光大綠色環保的所有生物質綜合利用發電項目。

“Technology Leadership” is the key for us to achieve our emission reduction goals. During the Reporting Period, our biomass power generation projects achieved ultra-low emission (concentration level of NO<sub>x</sub> emissions below 50mg/m<sup>3</sup>) through the research, investigation and adoption of technologies such as low-nitrogen combustion, flue gas recirculation, optimisation of the selective non-catalytic reduction (SNCR) denitrification and ozone oxidation. We will continue to improve our technology, and dedicate to lead the technological upgrading of green technology industry in China. The flue gas emissions database has been completed and is connected to the Guofa platform for flue gas data on a weekly basis, while supervision of various projects has been enhanced with timely reporting to environmental authorities in case of irregularities.

Everbright Greentech Research Institute has also built the Group’s first highly reactive thionyl chloride (SOCl<sub>2</sub>) processing line of commercial scale to facilitate emergency treatment of SOCl<sub>2</sub>. It was the first large-scale facility for the processing of hazardous wastes containing SOCl<sub>2</sub> in China and elsewhere, providing a solid foundation for the Group’s ongoing effort to drive development through technological innovation.

We have been using calculation methodologies of CDM under the United Nations Framework Convention on Climate Change to estimate the GHG emissions of our operating projects as it is standardised, accurate, and internationally recognised. During the Reporting Period, we extended the use of the CDM methodologies to calculate the carbon dioxide (CO<sub>2</sub>) equivalent emissions offset by our operations for the first time. The revised calculation protocol takes into account the GHG emissions of the baseline scenarios as if our integrated biomass utilisation projects do not exist, including the fugitive methane emissions released from the decomposition of waste at landfill sites, decay of biomass, and the use of electricity generated from non-renewable sources. This methodology not only accurately reflects our contributions to GHG offsetting in a scientific manner, but also makes it easier for stakeholders to be aware of our efforts in energy conservation and emission reduction.

「科技引領」是我們實現減排目標的另一重點。於報告期內，光大綠色環保通過研究探索採用低氮燃燒、煙氣再循環、選擇性非催化還原(SNCR)脫硝技術優化、活性分子氧化等技術，生物質發電項目實現了超淨排放(NO<sub>x</sub>排放濃度低於50mg/m<sup>3</sup>)。我們將持續提升科研水準，致力引領中國綠色科技產業的技術升級。我們亦完成了煙氣排放資訊系統建設，並每週對接國發平台煙氣資料，加強對各項目的監管，對異常情況及時向環保主管部門備案。

針對危廢處置項目氯化亞砷(SOCl<sub>2</sub>)的應急處理，光大綠色環保研究所建成了首條批量處置高活性危廢氯化亞砷的生產線，此為國內外首次規模化處理含氯化亞砷的危險廢物，為本集團繼續踐行以技術創新引領發展奠定了堅實基礎。

我們一直使用《聯合國氣候變化框架公約》中的CDM的溫室氣體排放計算方法來估算運營項目的溫室氣體(「GHG」)排放量，因為該方法較標準化、準確及受國際認可。報告期內，我們首次延伸使用CDM方法來估算我們的運營所抵消的二氧化碳(CO<sub>2</sub>)當量排放。該計算準則考慮了在沒有生物質綜合利用項目的基線情況下的溫室氣體排放，包括垃圾在填埋場分解所釋放的無組織甲烷排放、生物質降解以及非再生能源電力的使用。此方法更具科學性並可更準確地反映了我們在溫室氣體抵消方面的貢獻，也方便持份者更客觀地了解我們一直以來在節能減排上投入的努力。

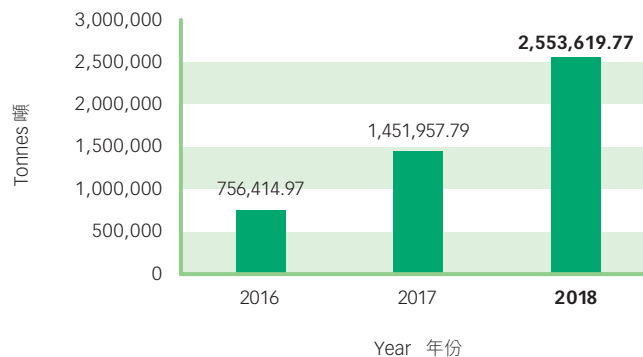
## GHG Emissions in 2018

## 二零一八年的溫室氣體排放量統計

Scope 1 (Direct Emissions) 範疇一 (直接排放)		Scope 2 (Energy Indirect Emissions) 範疇二 (能源引致的間接排放)		Scope 3 (Other Indirect Emissions) 範疇三 (其他間接排放)		Total GHG Emissions 溫室氣體 總排放量
Sources 來源	Emissions 排放量	Sources 來源	Emissions 排放量	Sources 來源	Emissions 排放量	
Integrated biomass utilisation projects: - Incineration of household waste - Combustion of biomass raw materials - Consumption of auxiliary fuels - Fugitive methane emissions from leachate 生物質綜合利用項目： - 生活垃圾焚燒 - 生物質原材料燃燒 - 輔助燃料消耗 - 滲濾液的無組織甲烷排放	964,172.83	Consumption of purchased non-renewable electricity in operating projects 運營項目消耗的外購非再生能源電力	15,538.28	- Fuel consumption for the delivery of biomass by third parties - Air travel by employees - 第三方運送生物質的燃料消耗 - 員工飛機差旅	6,960.64	986,671.75

Unit: tonne CO<sub>2</sub> equivalent  
單位：噸二氧化碳當量

### GHG Emissions Offsets 溫室氣體排放抵消量



## Notes:

- The calculation of GHG emissions and offset is referenced to CDM methodologies "ACM0018: Electricity Generation from Biomass Residues in Power-only Plants (Version 3.0)", "ACM0006: Electricity and Heat Generation from Biomass (Version 14.0)", "AMS-I.C.: Thermal Energy Production With or Without Electricity (Version 20.0)", and "ACM0022: Alternative Waste Treatment Processes (Version 2.0)".
- GHG emissions (scope 1) from the incineration of household waste are calculated based on the fraction of fossil carbon in total carbon content of the household waste. The amount of such GHG emissions may substantially fluctuate from time to time due to the varying composition of the received household waste, which is beyond Everbright Greentech's control.
- GHG emissions from air travel by employees are calculated by International Civil Aviation Organisation Carbon Emissions Calculator.

## 附註:

- 溫室氣體的排放及抵消的計算參照CDM方法《ACM0018：純發電廠利用生物廢棄物發電(3.0版)》、《ACM0006：生物質熱電聯供(14.0版)》、《AMS-I.C.：電力或非電力用戶提供熱能(20.0版)》及《ACM0022：多選垃圾處理方式(2.0版)》。
- 生活垃圾焚燒引致的溫室氣體排放(範疇一)以生活垃圾中化石碳佔總碳的比例為計算基礎。因此，生活垃圾成分的差異可對此溫室氣體排放不時造成大幅波動，這不屬於光大綠色環保的控制範圍之內。
- 員工飛機差旅的溫室氣體排放以國際民航組織的碳排放計算器計算得出。

## Energy and Material Usage

Everbright Greentech is highly committed to green operations to reduce energy and material usage. During the Reporting Period, our project companies successfully reduced the overall internal power consumption rate and fuel consumption in operating projects through the organisation of internal contests on “Expenditure Reduction, Efficiency Enhancement, Energy Saving and Cost Control”, meeting the energy reduction targets as planned.

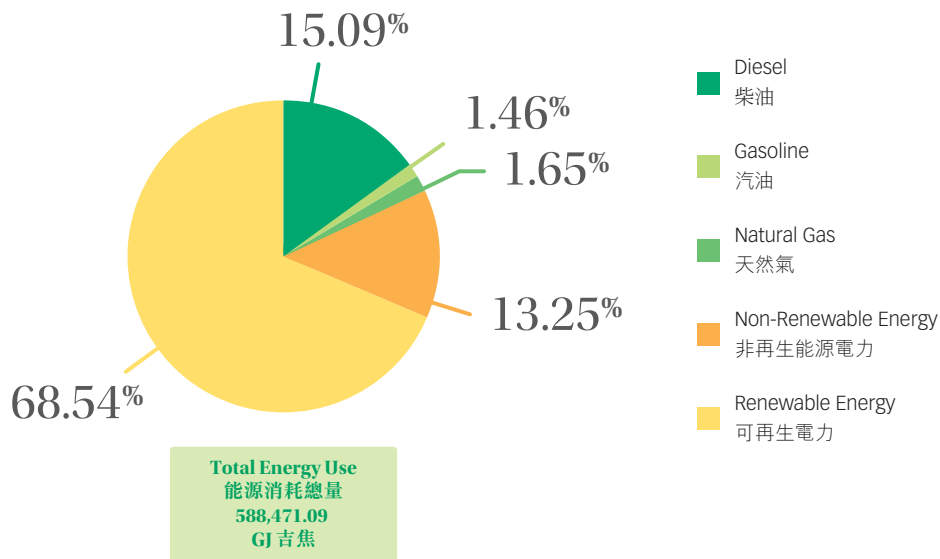
Near 70% of the fuel we use in our daily operation comes from renewable energy. We will explore the possibility of further increasing the proportion of renewable energy use, thereby, reducing the use of non-renewable energy such as diesel and gasoline.

## 能源及物料使用

光大綠色環保高度提倡綠色運營以減低能源及物料消耗。報告期內，本集團全面開展「比節支節流，比開源增效，比能耗下降，比成本降低」的內部競賽，成功降低了各項目的綜合廠用電率及於運營中消耗的燃料，達到了預期的節能目標。

我們在日常運營中所使用的燃料，接近70%是來自可再生能源。我們將不時探討進一步提升可再生能源使用比例的可能性，從而減少使用柴油、汽油等非再生能源。

**Direct Energy Consumption Statistics of Operating Projects in 2018**  
二零一八年各運營項目的直接能源消耗統計



Notes:

- (1) Relevant energy conversion factors from “China Energy Statistics 2017” are adopted.
- (2) Due to rounding, the values do not sum up to 100%.

附註：

- (1) 能量轉換計算採用《中國能源統計年鑒2017》的相關能量轉換因子。
- (2) 由於捨入關係，數值加總不等於100%。

In order to ensure an effective energy and storage management, each project company records the consumption of energy and key materials on a monthly basis, so that we are able to keep track on the material usage during business development and make adjustment accordingly. The data record also facilitates the Group's long-term strategy on resource management and reduces wastage of resources.

為了確保良好的能源和庫存管理，我們每個月都會詳細記錄各項目公司的能源和主要物料的使用量。透過所收集的數據，我們能夠清楚瞭解自身在業務發展過程中的資源利用狀況，繼而對能源和物料使用作出相應的調整。數據紀錄亦有利於本集團制定長遠的資源管理策略，減少資源浪費。

### Key Materials Consumption Statistics of Operating Projects in 2018

### 二零一八年各運營項目的主要物料使用量統計

		Consumption 使用量
<b>Production Materials</b> 生產物料	Lime 石灰	26,448.17
	Activated carbon 活性碳	236.31
	Ammonia 氨水	20,654.47
	Cement 水泥	5,337.17
	Chelating agent 螯合劑	576.49
<b>Office Materials</b> 辦公室物料	Paper, metals and plastics 紙、金屬及塑料	57.22
<b>Total</b> 總計		<b>53,309.83</b>

Unit: tonne  
單位：噸

### Water Usage and Management

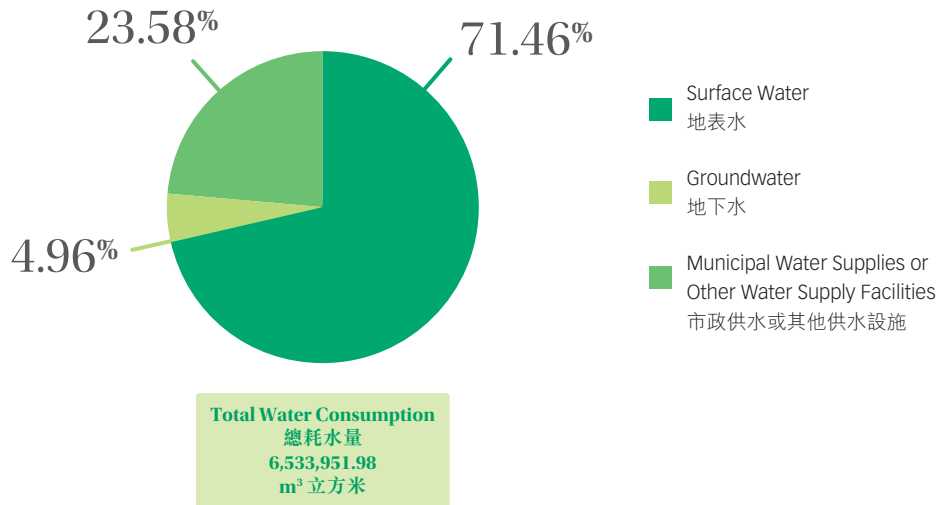
As an environmental protection service company, the Group closely follows the national water policy, and strives to reduce the water consumption in our projects. Our power generation projects have followed the "Reuse of Urban Recycling Water – Water Quality Standard for Industrial Uses" (GB/T19923-2005), the "Reuse of Urban Recycling Water – Water Quality Standard for Scenic Environment Use" (GB/T18921-2002), and/or other standards in leachate treatment and municipal waste water treatment. The waste water will be reused as supplemental water in our waste-to-energy power plants after the reverse osmosis from the leachate treatment meets the recycling water standards. During the Reporting Period, the Group has treated 143,676 m<sup>3</sup> of leachate and reused 57,885 m<sup>3</sup> of treated leachate. The Group did not have any spilling accidents in 2018.

### 水資源使用及管理

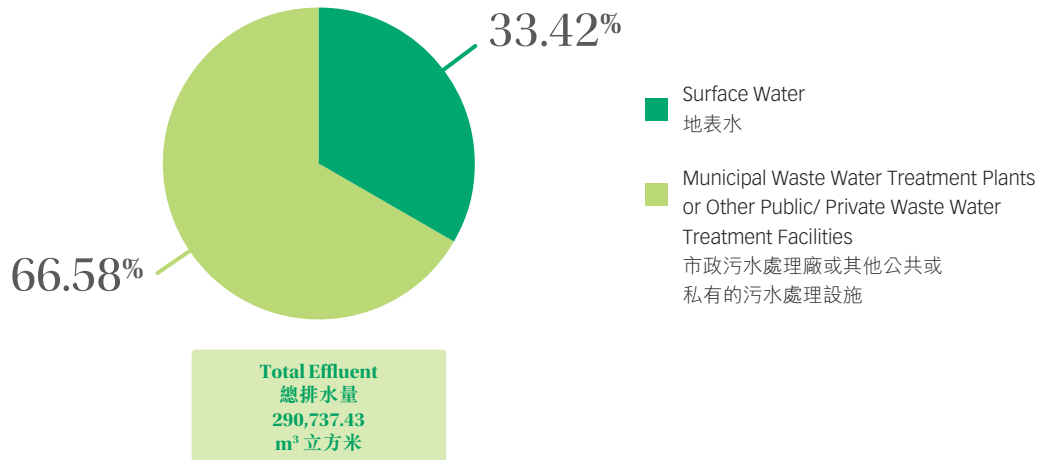
作為一間環保服務公司，本集團緊跟國家相關用水節水政策，致力減少項目耗水。我們的發電項目均遵照《城市污水再生利用 工業用水水質》(GB/T19923-2005)以及《城市污水再生利用 景觀環境用水水質》(GB/T18921-2002)及／或其他水循環標準處理滲濾液及生活污水，滲濾液處理後的反滲透出水達到循環補充水水質標準後，回用於垃圾焚燒發電項目循環補充水。我們於報告期內處理滲濾液約143,676立方米並把57,885立方米的已處理滲濾液回用。本集團於二零一八年沒有發生洩漏事故。



### Water Consumption Statistics of Operating Project in 2018 二零一八年各運營項目的耗水統計



### Effluent Statistics of Operating Projects in 2018 二零一八年各運營項目的排水統計



## Waste Management

“Use Less, Waste Less” is crucial in our environmental management work. The Group strives to achieve green management on the entire life cycle of all wastes and reduces their discharge into air, water and soil through a comprehensive recycling plan.

Fly ash and bottom ash are the main wastes generated from the operation of the waste incineration projects. Fly ash produced from the incineration of household waste is considered as hazardous waste, which is first solidified by a chelating agent in compliance with the “Standard for Pollution Control on the Landfill Site of Municipal Solid Waste” (GB16889-2008) before being sent to a designated area in the landfill site or a hazardous waste landfill for safe disposal, preventing secondary pollution. Bottom ash produced from the waste-to-energy project can be utilised in brick-making, while fly ash produced from the biomass combustion projects can be used to produce fertilisers, thus supporting sustainable development and agriculture.

### Fly Ash and Furnace Ash Generated and Processed in 2018

## 廢物管理

惜物減廢是我們環境管理工作的重要一環。本集團務求達至對所有廢物全生命週期的綠色管理，並透過全面的回收計劃，減少它們排入空氣、水和土壤。

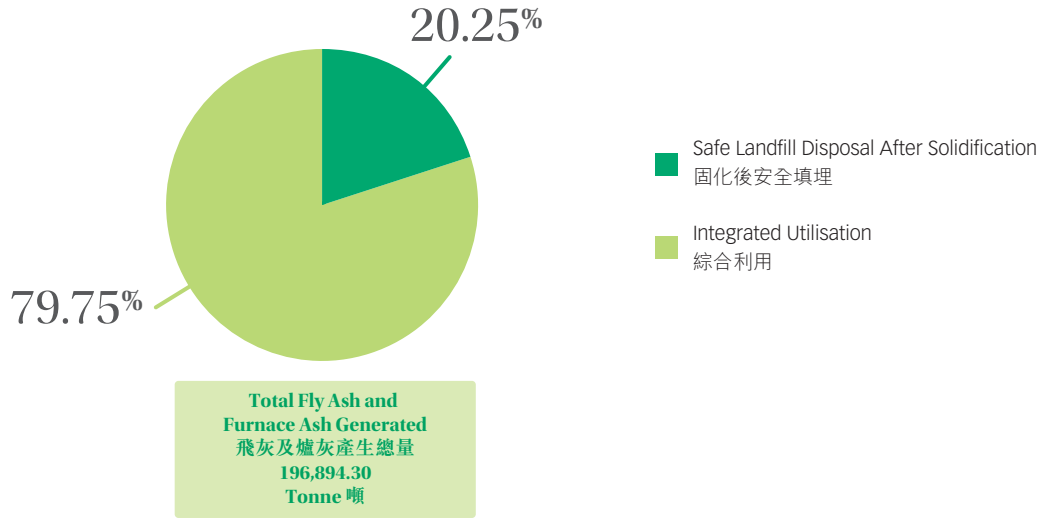
本集團的主要廢物為燃燒／焚燒項目中產生的飛灰和爐渣。生活垃圾焚燒所產生的飛灰屬於危險廢物，處理方法為經螯合劑螯合固化滿足《生活垃圾填埋場污染控制標準》(GB16889-2008)後，送往垃圾填埋場單獨分區填埋，或進入危廢填埋場進行安全填埋，杜絕二次污染。生活垃圾發電項目產生的爐渣可被綜合利用於製磚，生物質燃燒產生的爐灰則可用於製作肥料，以支持可持續建設及農業發展。

### 二零一八年飛灰及爐灰產生量及處置方式

Types of Operation	運營類型	Safe Landfill Disposal After Solidification 固化後安全填埋	Integrated Utilisation 綜合利用
<b>Fly Ash</b>	<b>飛灰</b>		
Integrated Biomass Utilisation Projects (Waste-to-energy)	生物質綜合利用項目 (垃圾發電)	31,879.55	–
Hazardous Waste Incineration Projects	危廢焚燒項目	1,582.85	–
<b>Furnace Ash</b>	<b>爐灰</b>		
Integrated Biomass Utilisation Projects (Biomass)	生物質綜合利用項目 (生物質)	6,404.36	157,027.54

Unit: tonne

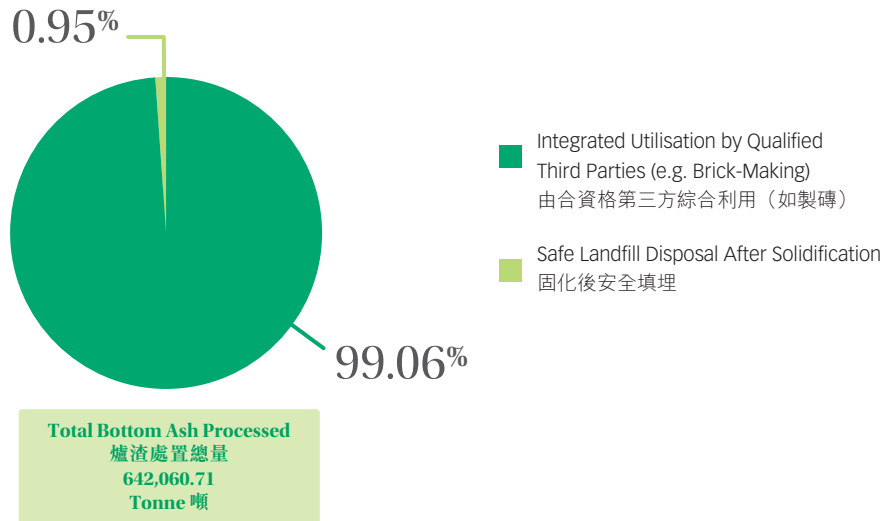
單位：噸



**Bottom Ash Generated and Processed in 2018**

**二零一八年爐渣處置量及處置方式**

		<b>Integrated Utilisation by Qualified Third Parties (e.g. Brick Making)</b> 由合資格第三方綜合利用 (如製磚)	<b>Safe Landfill Disposal After Solidification</b> 固化後安全填埋
Integrated Biomass Utilisation Projects (Waste-to-energy)	生物質綜合利用項目 (垃圾發電)	216,041.69	-
Integrated Biomass Utilisation Projects (Biomass)	生物質綜合利用項目 (生物質)	419,968.06	-
Hazardous Waste Incineration Projects	危廢焚燒項目	-	6,050.96



Note:

(1) Due to rounding, the values do not sum up to 100%.

附註：

(1) 由於捨入關係，數值加總不等於100%。

On the other hand, our hazardous and solid waste treatment projects process over 90% of hazardous waste types listed in the National Catalogue of Hazardous Wastes by ways of incineration, landfill, physicochemical processing and integrated utilisation, ensuring that hazardous chemicals are properly detoxified before disposal. All of the Group's hazardous and solid waste treatment projects operate in compliance with respective requirements stipulated in the environmental impact assessment approved by the government as well as national standards including "Standard for Pollution Control on the Security Landfill Site for Hazardous Wastes" (GB18598-2001) and the "Pollution Control Standard for Hazardous Wastes Incineration" (GB18484-2001)<sup>(1)</sup>.

We did not import or export any hazardous waste from/to foreign countries in 2018.

Note:

- (1) Key air pollutants regulated by relevant national laws and regulations include smoke blackness, particulate matter, carbon monoxide (CO), sulphur dioxide (SO<sub>2</sub>), hydrogen fluoride (HF), hydrogen chloride (HCl), nitrogen oxides (NO<sub>x</sub>), mercury and other heavy metals (and their compounds), and dioxins.

另一方面，我們的危廢及固廢處置項目通過焚燒、填埋、物化處理及綜合利用等方式安全處置《國家危險廢物目錄》中百分之九十以上的危廢種類，以確保危險化學物質在棄置前適當進行無害化工序。本集團所有危廢及固廢處置項目遵照政府部門批准的環境影響評價、《危險廢物填埋污染控制標準》(GB18598-2001)及《危險廢物焚燒污染控制標準》(GB18484-2001)等國家標準的相關要求<sup>(1)</sup>運營。

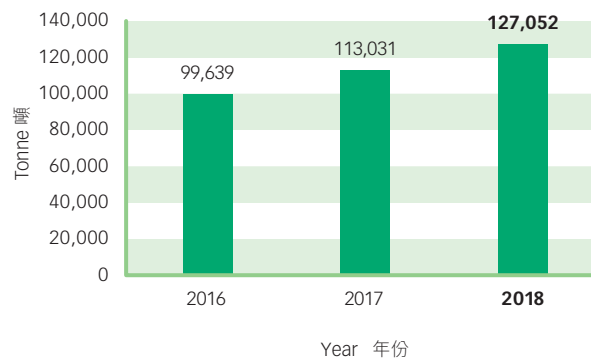
我們於二零一八年沒有從國外輸入或向其輸出任何危險廢物。

附註：

- (1) 受相關國家法律及例規管的大氣污染物主要包括煙氣黑度、顆粒物、一氧化碳 (CO)、二氧化硫 (SO<sub>2</sub>)、氟化氫 (HF)、氯化氫 (HCl)、氮氧化物 (NO<sub>x</sub>)、汞和其他重金屬 (及其化合物)、二噁英。

### Hazardous and Solid Waste Processed in the Past Three Years

#### 過去三年的危廢及固廢處置統計



## The Industry's First Highly Reactive Thionyl Chloride (SOCl<sub>2</sub>) Emergency Treatment System Passed the Test in Zibo Hazardous Incineration Waste Project

行業首個規模化氯化亞砷應急物化處置系統在淄博危廢焚燒項目試驗成功

SOCl<sub>2</sub> is a precursor chemical that is highly corrosive and irritating. In order to safely dispose more than 100 tonnes of the mixture of SOCl<sub>2</sub> and terephthaloyl chloride in stock as soon as possible, Zibo Hazardous Waste Incineration Project sought assistance from the Everbright Greentech Research Institute in early July. The institute immediately sent a professional team to conduct a comprehensive investigation on the SOCl<sub>2</sub> in Zibo Hazardous Waste Incineration Project. The team completed the testing of the melting point of SOCl<sub>2</sub>, the safe treatment method, and the experiment of adding chemical agents. Finally, the team decided to use a method of hydrolysis reaction to safely treat SOCl<sub>2</sub> and the mixture of terephthaloyl chloride.

氯化亞砷是一種易製毒化學品，具強腐蝕性、強刺激性。為盡快安全處理庫存的100餘噸氯化亞砷和對苯二甲酰氯混合物，淄博危廢焚燒項目於七月初向光大綠色環保研究所求援。研究所立即調派專業團隊，對淄博危廢焚燒項目庫存的氯化亞砷廢料了全面細緻的調研，完成了庫存氯化亞砷廢料熔點檢測、安全處理方式實驗、化學藥劑添加實驗等工作，最終確定通過水解反應的方法，安全處理氯化亞砷和對苯醯氯混合物。



### The Industry's First Highly Reactive Thionyl Chloride (SOCl<sub>2</sub>) Emergency Treatment System Passed the Test in Zibo Hazardous Waste Incineration Project 行業首個規模化氯化亞砷應急物化處置系統在淄博危廢焚燒項目試驗成功

The technical staff of Zibo Hazardous Waste Project have actively cooperated with the Everbright Greentech Research Institute, and completed tasks including the preliminary equipment inspection of SOCl<sub>2</sub> Emergency Treatment System, site formation, preparation of experimental materials, equipment installation and pilot experiment. They also proposed suggestions such as installing a flow valve in the washing tower, adding a temporary cover plate at the crusher installation port, sewage balance treatment, anti-freeze and anti-condensation in winter, etc., to promote a safe and stable operation of SOCl<sub>2</sub> Emergency Treatment System.

The successful trial run of the SOCl<sub>2</sub> Emergency Treatment System not only solved the issues on safe treatment of SOCl<sub>2</sub> in Zibo Hazardous Waste Incineration Project, but also provided technical support and experience to the scale development of physicochemical treatment facilities of Everbright Greentech and the environmental protection industry in the safe treatment of highly reactive and volatile hazardous wastes.

淄博危廢焚燒項目技術人員積極配合光大綠色環保研究所，先後完成了氯化亞砷物化處置系統的前期設備考察、場地平整、實驗物料準備、設備安裝和中試實驗等工作；並提出在洗滌塔加裝易流閥、在破碎機安裝口增設臨時蓋板、污水平衡處理、冬季防凍防凝等多項合理化建議，以促進氯化亞砷應急物化處置系統的安全穩定運行。



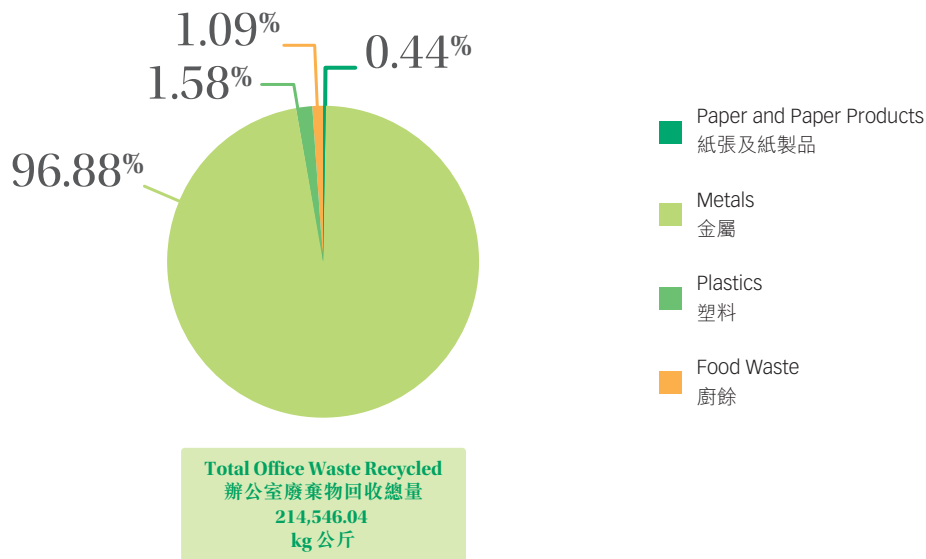
氯化亞砷應急物化處置系統的成功試驗，不僅為淄博危廢焚燒項目解決了庫存氯化亞砷安全處理問題，同時也為光大綠色環保建設規模化物化處置設施，及行業內安全處理活性危廢和高揮發性危廢提供了技術支撐和經驗借鑒。



Moreover, recycling and reusing are widely practiced in our facilities and even offices and staff quarters. We recycle wastes such as paper, metal, plastic, food waste, etc., striving to implement our philosophy of valuing resources through solid actions.

另外，我們從設施及至辦公室和員工宿舍等均執行廢棄物回收以及重用，回收的廢棄物包括紙張、金屬、塑料和廚餘等，務求以實際行動貫徹我們重視資源的理念。

**Office Waste Recycling Statistics in 2018**  
二零一八年辦公室廢棄物回收量統計



Note:

(1) Due to rounding, the values do not sum up to 100%.

附註：

(1) 由於捨入關係，數值加總不等於100%。



## 07

We ensure work happiness and  
**SHARE THE FRUIT OF SUCCESS**

保障工作幸福感，與員工共享成功

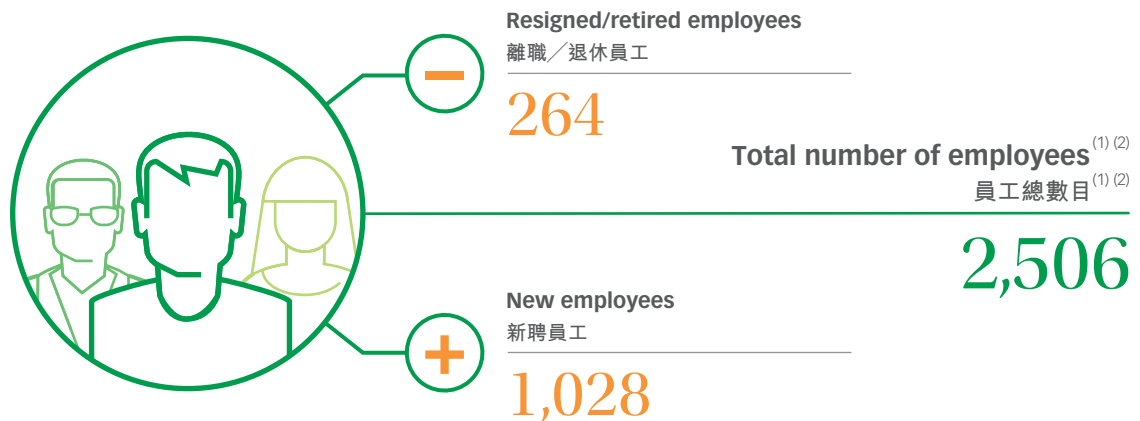




Everbright Greentech has always attached great importance to human resources management. We believe that a deep talent pool is essential for the efficiency and safe operation of the projects. It is also the key to the corporate's sustainable development. Hence, the Group has adopted a "People-Oriented" development strategy and continuously refine our human resources management system to provide attractive remuneration and benefits, high-quality trainings, as well as equal and safe working environment to all employees.

大綠色環保一向高度重視人力資源管理，相信豐富的人才儲備是項目高效和安全運營的有力保障，更是企業持續茁壯成長的關鍵。為此，本集團貫徹「以人為本」的發展策略，持續改善人力資源管理系統，為所有員工提供極具吸引力的薪酬福利、高質素的培訓及平等和安全的工作環境。

### Employee Statistics in 2018 二零一八年員工數據統計



Notes:

- (1) Amongst them, 2,504 were full-time employees and 2 were part-time employees.
- (2) Data as of 31 December 2018.

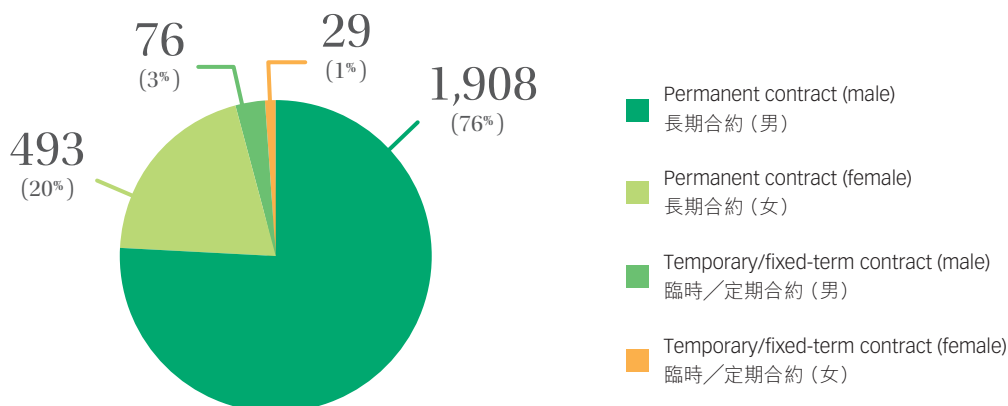
附註：

- (1) 其中，2,504名為全職員工，2名為兼職員工。
- (2) 數據截至二零一八年十二月三十一日。

### Statistics on Diversity of Employees in 2018

### 二零一八年員工多元化統計

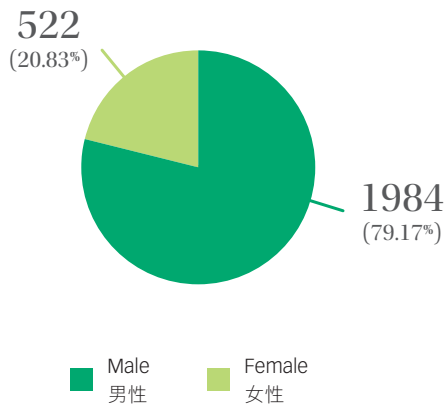
#### By type of employment and gender 按僱傭類型及性別劃分



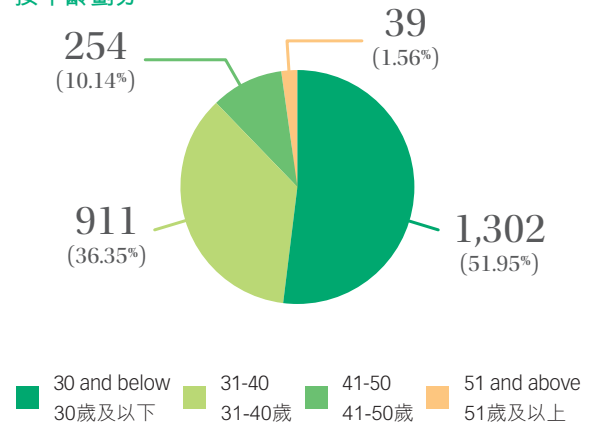
## Statistics on Diversity of Employees in 2018

### 二零一八年員工多元化統計

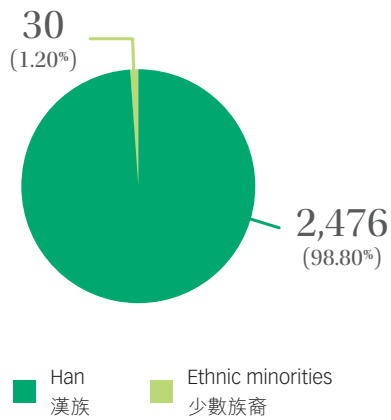
#### By gender 按性別劃分



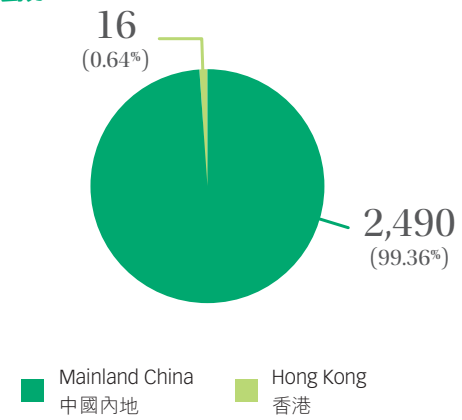
#### By age 按年齡劃分



#### By ethnicity 按民族劃分



#### By geographical region 按地區劃分



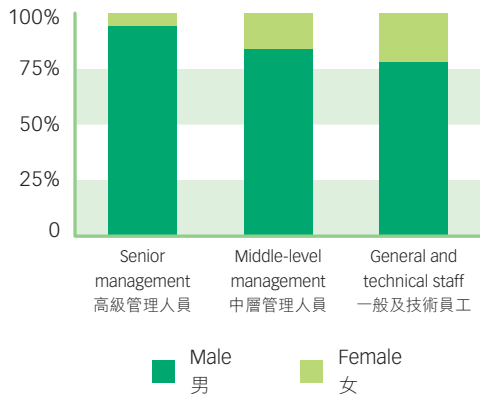
Note:

(1) Data as of 31 December 2018.

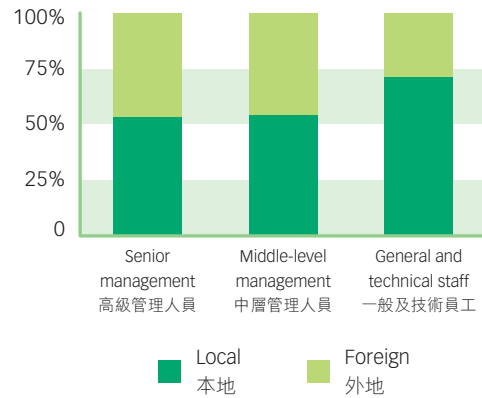
附註：

(1) 數據截至二零一八年十二月三十一日。

**Male to female ratio by employee ranking**  
各員工職級的男女比例



**Recruited employees by geographical region**  
按地區劃分的受僱員工



**Annual Ratio of Total Remuneration**

**年度總薪酬比例數據**

Indicator	指標	2018 二零一八年
Total remuneration of the highest-paid individual (HK\$)	最高薪人士的薪酬總額 (港幣元)	4,614,400.00
The median of the total remuneration of all employees (excluding the highest-paid individual) (HK\$)	全體員工薪酬總額的中位數 (不包括最高薪人士) (港幣元)	78,419.08
Indicator	指標	Ratio in 2018 二零一八年的比例
Ratio of the total remuneration of the highest-paid individual to the median total remuneration of all employees (excluding the highest-paid individual)	最高薪人士的薪酬總額與全體員工 (不包括最高薪人士) 薪酬總額的中位數的比例	58.84
Ratio of the annual percentage increase in total remuneration of the highest-paid individual to the median percentage increase in annual total remuneration of all employees (excluding the highest-paid individual)	最高薪人士薪酬總額的年度百分比增長與全體員工 (不包括最高薪人士) 薪酬總額中位數的年度百分比增長的比例	-0.87

**For details of the determination of remuneration and the Directors' remuneration information, please refer to Annual Report 2018.**

有關薪酬釐定的詳情及各董事的薪酬資料，可參閱本集團二零一八年年報。

Notes:

附註：

(1) Employees hired from the same province in Mainland China are regarded as local employees, whereas the employees hired from other provinces in Mainland China are regarded as foreign employees.

(1) 在中國內地同省受聘的員工被視為本地員工，而在中國內地外省受聘的員工則被視為外地員工。

## Talent Recruitment and Retention

Facing the rapidly growing environmental protection service industry, we are driven to innovation. One of the key ways to achieve this is to attract the brightest talents to enhance our competitiveness. Through co-operation with professional talent recruitment agencies and universities, we actively recruit technical and management expertise from domestic and foreign countries to further improve our talent pool. In 2018, we conducted massive market recruitments, as the number of new employees accounted for 41.02% of the total workforce, while staff turnover (including resignation and retirement) accounted for 10.53% of the total workforce. In order to promote local economic growth and employment opportunities, the Group pays special attention to local talents. The majority of new employees hired during the Reporting Period are from local.

## 廣納及保留人才

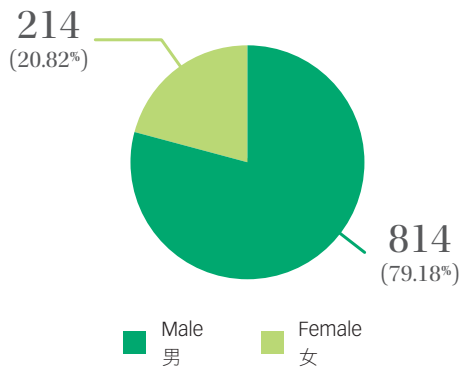
面對高速發展的環保服務行業，我們有必要保持創新，其中一個重要渠道是不斷吸引最優秀的人才以提升我們的競爭力。透過與專業的人才招聘機構、高等院校合作，我們積極引進國內外的技術及管理專才，亦進一步完善我們的人才儲備。二零一八年我們大舉招募市場人才，新聘員工數目佔總人數的41.02%，流失員工數目（包括離職或退休）佔總人數的10.53%。為促進地方經濟發展和就業機會，本集團特別關注本地人才，報告期內大部份新聘請的員工均來自本地。

### New Employees Statistics in 2018

二零一八年新聘員工統計

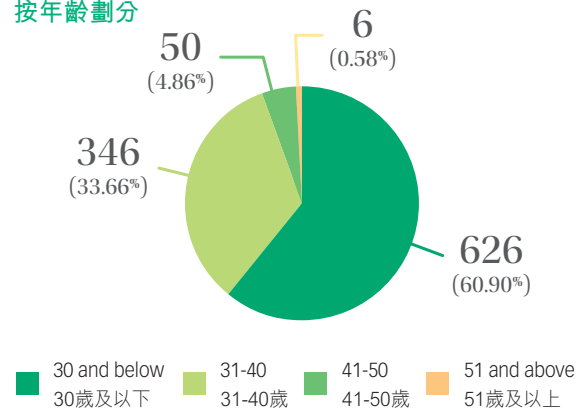
#### By gender

按性別劃分



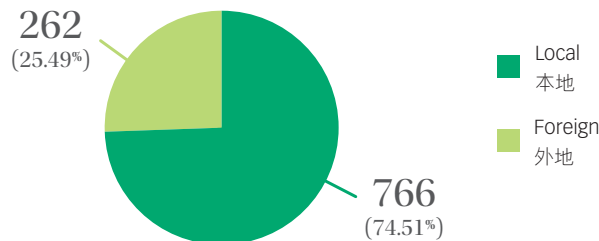
#### By age

按年齡劃分



#### By geographical region

按地區劃分



Note:

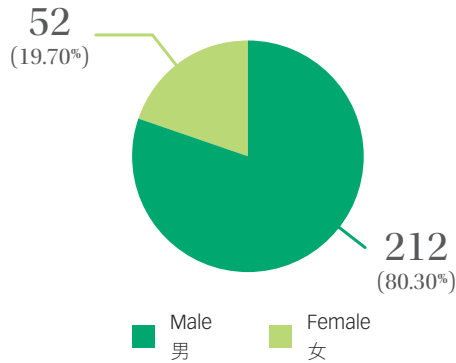
- (1) Employees hired from the same province in Mainland China are regarded as local employees, whereas the employees hired from other provinces in Mainland China are regarded as foreign employees.

附註：

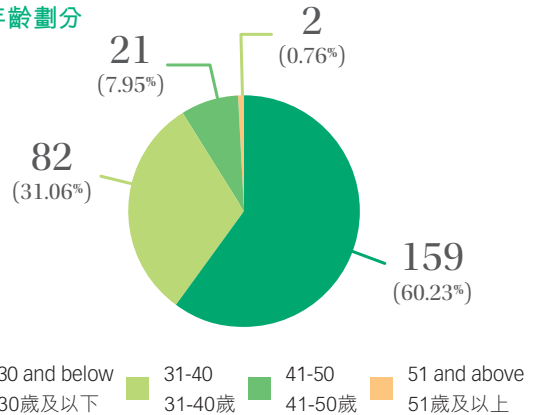
- (1) 在中國內地同省受聘的員工被視為本地員工，而在中國內地外省受聘的員工則被視為外地員工。

**Employee Turnover (Resigned/Retired) Statistics in 2018**  
二零一八年員工流失(離職/退休)統計

**By gender**  
按性別劃分



**By age**  
按年齡劃分



Note:

- (1) Employees in Mainland China accounted for the employee turnover in 2018.

We also offer internal competitive selection and promotion opportunities through public announcement in the talent pool, voluntary application and bottom-up recommendation, so that competent and aspiring staff can land the right positions with greater prospects for growth and development. In 2018, the Group formulated the Everbright Greentech Measures for the Administration of Back-up Officers to further enhance the management of its talent pool for back-up officers, whereby back-up talents are trained according to the principle of "Fairness, Openness and Merit-based selection". During the Reporting Period, 10 deputy general managers were promoted to general managers, 12 back-up management personnel promoted to the positions of general managers, construction supervisors or project preparation team leaders of our new projects. There are currently over 127 back-up management personnel who will provide fresh manpower and play major roles in the future development of the Group.

We are aware of the time needed to equip our employees with professional knowledge in electricity industry. The training of a senior technician leader, for example, can take 3-5 years. Hence, the Group monitors the number of employees expecting retirement every year in order to recruit new technical talents in a timely manner and to better formulate a human resources policy for the long term. In the meantime, we provide appropriate career management plans for our employees, including retirement arrangements, practically considering the long-term development and needs of employees.

附註:

- (1) 二零一八年流失的員工均位於中國內地。

我們亦透過在人才庫中公開發佈招聘訊息，以自願報名及由下至上推薦等形式提供內部競聘及選拔的機會，讓有能力、有理想的員工在適當的崗位得到更大的成長和發揮空間。於二零一八年，本集團編製了《光大綠色環保後備幹部管理辦法》以進一步加強後備幹部人才庫的管理，透過「公平、公開、擇優」的選擇原則鍛煉提升後備人才。報告期內，由副總經理獲晉升為總經理的共有10人，而後備管理人員赴任新項目的總經理、總指揮或籌備組長的數目為12人。目前本集團共有超過127名後備管理人員，作為集團未來發展的生力軍和主力軍。

我們深明在電力行業培育員工的專業知識需時，如培養一位技術骨幹需時長達三至五年之久。因此，本集團每年均會統計即將合資格退休的員工數目，以及時引進新的技術人才，更好地制定長遠的人力資源政策。同時，我們為員工提供包括退休安排在內的妥當職業生涯計劃，切實為員工考慮長遠發展和需要。

### Percentage of Employees who will be Eligible for Retirement in 5 and 10 Years (%)

Employee ranking 員工職級	Within the next 5 years 五年內	Within the next 10 years 十年內
Senior management 高級管理人員	6.45%	12.90%
Middle-level management 中層管理人員	2.25%	4.23%
General and technical staff 一般及技術員工	0.10%	0.68%

### 五年及十年內合資格退休的員工百分比(%)

### Training and Development

Under the guidance of the Group's Human Resources Management and Capacity Building Policy, we offer comprehensive training programmes to employees which cover topics such as business development, construction engineering, industry trends, safe production, and other key areas related to our business. Also, we regularly organise competitions, seminars, and exchange programmes for the employees to broaden their horizon. During the Reporting Period, the Group has provided trainings for all employees. The number of training hours per employee was 104.38, which is 19.37% higher than that in 2017.

To enhance technical exchanges and capitalise on its technical resources, the Group made active efforts to build an internal team of lecturers during the Reporting Period and improve their teaching through selection examination, training and education, so that they could pass on their expertise to upgrade the skills of other employees. The Administrative Measures for the Assessment and Appointment of Positions Requiring Specialised Expertise and Administrative Measures for Professional Qualifications and Titles for Specialised Expertise were formulated to facilitate development for specialised technical staff and reinforce the Group's foundation in specialised expertise. To facilitate new employee's integration, promote Everbright culture, and accelerate their adaption to work requirements, the Group, together with its parent company, Everbright International, has organised a three-day training for new employees, aiming to provide new employees with general understanding of the Company's business overview, development strategy, technical processing of each segment, and explanation on internal corporate information management, ESHS management, and relevant rules and regulations. The Group also enrolled more than 300 staff members in 4 team execution training sessions organised by Everbright International to facilitate new employees' integration.

### 培訓及發展

在本集團《人力資源管理培訓政策》的引領下，我們向員工提供全面的培訓計劃，培訓主題涵蓋業務發展、工程建設、行業趨勢、安全生產以及其他與集團業務息息相關的領域。此外，我們還定期為員工組織知識比賽、研討會和交流計劃以開拓他們的視野。報告期內，本集團為所有員工提供培訓。每位員工的平均培訓時數為104.38小時，與二零一七年相比上升了19.37%。

報告期內，本集團為加強技術交流、充分利用技術資源，積極建設內部講師隊伍，通過選拔考試、培訓教育等方式，持續提升內部講師的授課水準，傳遞專業知識，提高員工技能。本集團編製了《專業技術職務評聘管理辦法》及《職業資格和專業技術職稱管理辦法》，促進專業技術人員的成長，築牢本集團專業技術發展根基。為使新員工盡快融入工作環境，瞭解光大文化，加快適應工作要求，本集團連同母公司光大國際合辦了一連三天的新入職員工培訓，旨在讓新員工瞭解公司各業務概況及發展戰略、各板塊的技術處理講解以及本公司內部企業資訊管理、ESHS管理、規章制度及相關規定的闡述。為加快新員工融入本公司氛圍，本集團更於年內組織參與光大國際舉辦的四次執行力拓展培訓，共逾300人參訓。

## Employee Training and Development Statistics in 2018

二零一八年員工培訓與發展數據統計



### Average training hours per employee

員工平均培訓時數

**104.38** Hours  
小時

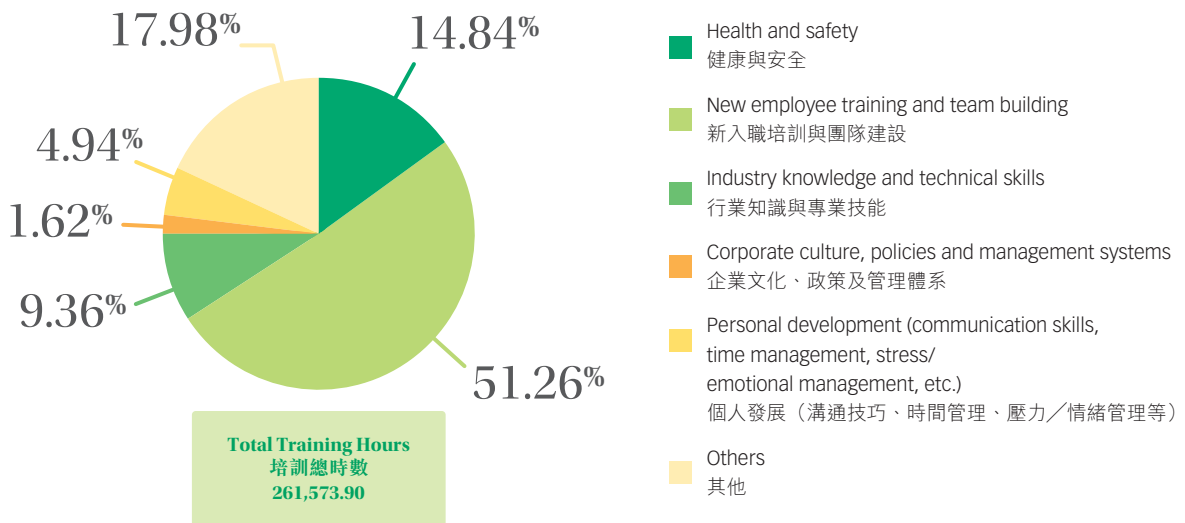
### Total training hours

總培訓時數

**261,573.90** Hours  
小時

### Training Percentage by Category

按培訓類別劃分的培訓百分比

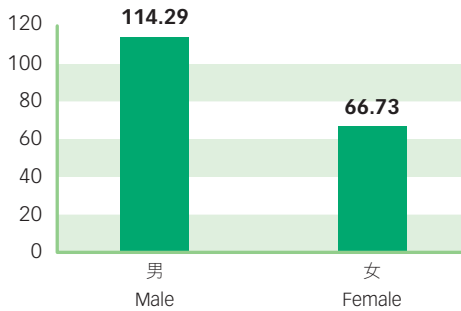


## Average Training Hours per Employment by Gender and Employee Ranking

### 按性別和員工職級劃分的人均培訓時數

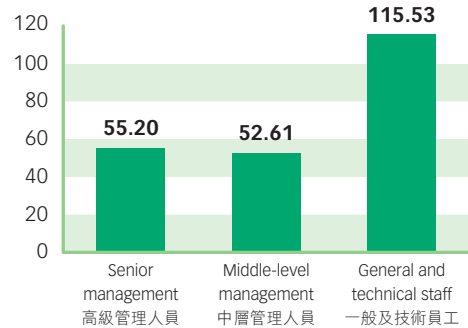
#### By gender

##### 以性別劃分



#### By employee ranking

##### 按員工職級劃分



### Training for Management Level

The Group recognises the importance of Board succession planning to ensure optimal continuity and that the Board is composed of members with proper and relevant expertise and skills to govern and strengthen the Group effectively. To empower the basis of talent pool of potential candidates, the Group has been developing a broader and more diverse pool of skilled and experienced employees so that, in time, their skills will prepare them for senior management and Board positions, following a series of training courses.

### 管理層培訓

本集團深明董事會繼任計劃的重要性，確保董事會具有理想的延續性，成員皆具備適合的相關專業知識與技能，能夠有效管治本集團及提升本集團水平。本集團不斷擴大資深熟練員工儲備，鞏固準候選人儲備的基礎，相信假以時日，經過一系列培訓，他們將會具備必要技能，勝任高級管理層及董事職務。



## Everbright Greentech's Study Week 光大綠色環保學習週

In July 2018, the Group organised a study week to provide comprehensive and practical trainings for newly promoted or new-hired middle and senior management. The trainings were divided into three main sections:

### Risk Management and Internal Control Training

The general manager of the Risk Management Department and general manager of the Internal Audit Department discussed topics on how to foster awareness for the risk management accountability regime as well as overall risk awareness, while also investigating issues identified in the current stage of the Company's internal audit and related proposals. The Company's independent non-executive director, Dean of the College of Business at the City University of Hong Kong, Prof. YAN Houmin, discussed topics on risk management under the New Normal and emphasised the importance of risk prevention in corporate governance from a macroscopic to microscopic view and from theory to practice. Everyone has benefited a lot from the course.

### Safety Management Training

General Manager of Everbright International Environmental Management Department, Mr. TAO Junjie, provided a profound interpretation and analysis on the current environmental situation. Facing the new eras, new situations, and new tasks, everyone should pay close attention to environmental management work, always ring the alarm of "complying with emission standards", and fight the battle against pollution. The responsible personnel from the Operation and Environmental Management Department and the cooperation units gave a detailed account of the key environmental management objectives and work processes, analysis of the results of the "Safety Overhauls", as well as the procedures and information required for insurance claims.

二零一八年七月，本集團舉行了學習週，為即將升任或新入職的中高級管理層提供全面實務培訓。培訓主要分為三大部分：

### 風險管理及內控培訓

風險管理及內部審計部負責人分別就如何樹立風險管理責任體系意識、全局意識及公司現階段內部審計發現的問題及建議展開了闡述與探討。本公司獨立非執行董事，香港城市大學商學院院長嚴厚民教授就新常態下的風險管理，從宏觀到具體，從理論到實際，強調了風險防範在企業經營管理中的重要性，讓大家受益匪淺。

### 安全管理培訓

光大國際環境管理部陶俊傑總經理針對當前環境大形勢進行了深刻的解讀與分析。面對新的時代、新的形勢、新的任務，大家要高度關注環境管理工作，時刻敲響「達標排放」的警鐘，打好污染防治攻堅戰。運營及環境管理部、合作單位相關負責人分別針對環境管理重點及工作流程、「安全大檢查」的結果及分析、保險理賠方法及材料進行了詳細的梳理和闡述。



### Everbright Greentech's Study Week 光大綠色環保學習週

#### Financial Management Training

Prof. GAO Qifu, an external financial management expert, discussed the topic of “financial management of non-financial managers”. The talk focused on the interpretation of the financial statements from the perspective of a corporate manager; the establishment of an internal control system to avoid operational risks, and the application of financial management knowledge to create value. The talk has been immensely helpful for fostering financial awareness, enriching relevant knowledge and improving management skills on the part of the participants.

#### 財務管理培訓

外聘財務管理專家高其富教授就「非財務管理人員的財務管理」這一議題展開討論，著重闡述了作為企業管理者，應如何解讀財務報表、如何建立內控體系規避經營風險、如何運用財務管理知識創造價值，極大地幫助參會人員培養財務意識、豐富相關知識、提升管理技能。



Directors of the Company also joined an integrity training under the theme of “Corporate Governance: Compliance and Beyond Ethics Promotion Programme for Listed Companies” conducted by the Independent Commission Against Corruption. Moreover, 19 key personnel enrolled in the 8th session of the CEO Course organised by Tsinghua University for effective enhancements in professional techniques, as well as social networking, management, and organisational efficiency.

### Benefits and Protection

To build a sustainable and stable team, the Group observes stringent compliance with local labour regulations, with a special emphasis on assuring comprehensive benefits and protection for employees. The Group implemented a fair and transparent Compensation and Benefit System to provide competitive remuneration for employees. We provide employees with comprehensive benefits and protection, and our full-time employees are entitled to life insurance, medical care, disability and invalidity coverage, maternity and paternity leaves, as well as discretionary bonus payments. To ensure the physical and psychological well-being of employees, we offer free body checks and occupational disease prevention checkups for employees on an annual basis. Furthermore, in connection with retirement protection, we have also tailored a supplementary pension system for our employees as an additional retirement benefit on top of the mandatory endowment insurance required by law.

The Group’s Staff Handbook has covered subjects such as remuneration and dismissal, recruitment and promotion, working hours, holidays, equal opportunities, diversity, anti-discrimination, the prevention of child labour and forced labour, bribery, extortion, fraud, money laundering, and other benefits. The Group also promotes a fair and open employment platform to ensure that employees are not subject to any form of discrimination based on gender, age, race, nationality, marital status, religion, and other factors. During the Reporting Period, we did not have any cases related to discrimination.

本公司董事亦參加了廉政公署主辦的「企業管治：符規以外—上市公司商業道德推廣計劃」誠信培訓。另外，為加強管理階層的專業技能和人際網絡，提高管理效率及組織效能，我們派遣了19名骨幹人才參加第八期清華大學總裁班學習。

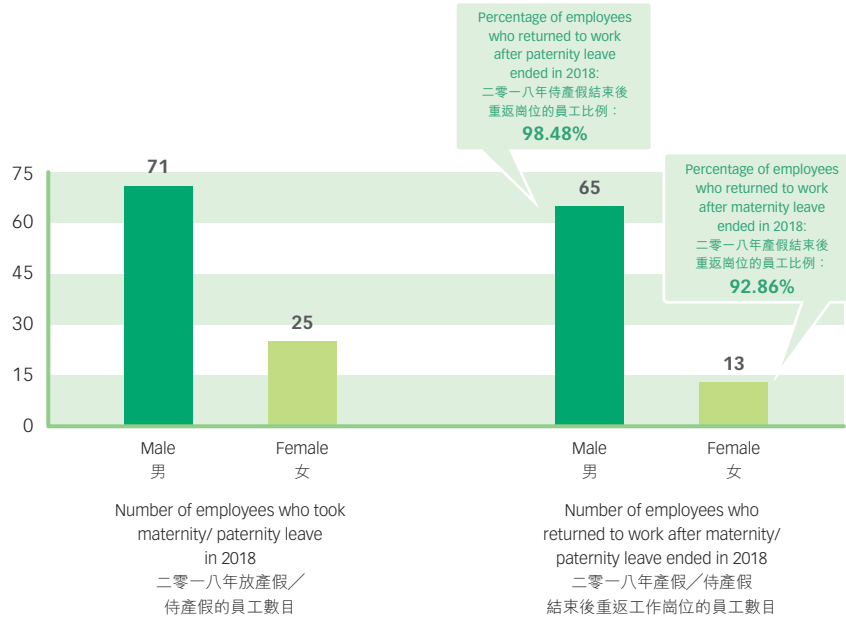
### 福利及保障

為建立一個可持續和穩定的團隊，本集團謹守當地勞工法規，尤為重視完善員工的福利與保障。本集團實施公平透明的薪酬福利制度，為員工提供具競爭力的薪酬。我們為員工提供全面的福利待遇及保障計劃，全職員工享有人壽保險、醫療保健、傷殘及疾病保障、產假及男士待產假等福利，而且獲發酌情花紅。為確保員工的身心健康，我們每年均為員工提供免費的身體檢查服務及職業病防範檢查。另外，為提升員工的退休保障，我們除了提供法律規定的強制性養老保險之外，更貼心制定了員工補充養老制度作為額外的退休福利。

本集團的《員工手冊》涵蓋了關於薪酬及解僱、招聘及晉升、工作時數、假期、平等機會、多元化、反歧視、防止童工及強制勞動、防止賄賂、勒索、欺詐及洗黑錢以及其他待遇及福利等議題，更提倡了公平公開的就業平台，確保員工在工作中不會因性別、年齡、種族、國籍、婚姻狀況、宗教等因素而受到任何形式的歧視。於報告期內，我們並沒有任何與歧視相關的個案。

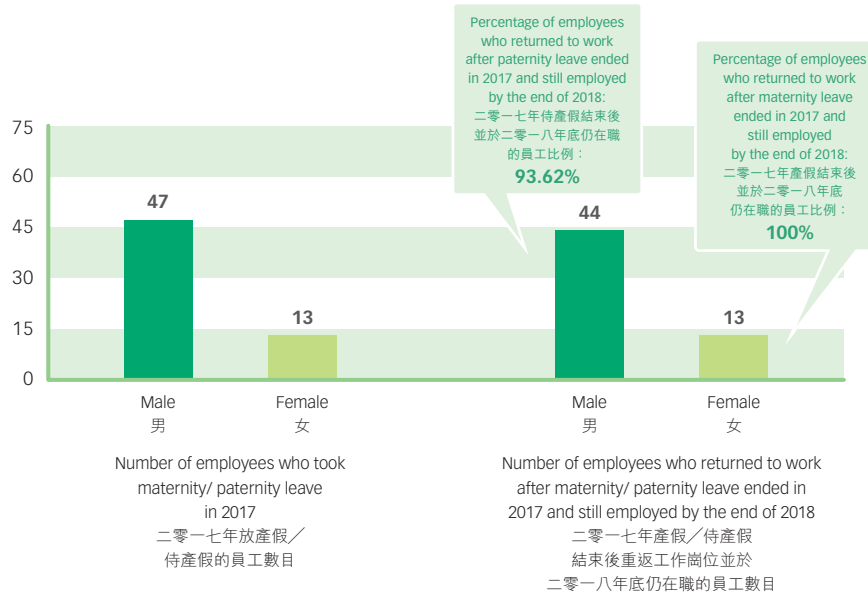
### Employee Maternity/Paternity Leave Statistics and Number of Employees who Returned to Work after Maternity/Paternity Leave Ended in 2018

二零一八年產假/待產假數據及產假/待產假結束後重返工作崗位的員工總數



### Employee Maternity/Paternity Leave Statistics in 2017 and Number of Employees who were still Employed by the End of 2018

二零一七年產假/待產假數據及二零一八年底仍在職的員工總數



## Staff Interaction

To improve the welfare of employees, most of our projects are equipped with various recreational facilities such as gymnasiums, libraries, basketball and badminton courts, so that our employees can foster a healthy lifestyle and achieve work-life balance. During the Reporting Period, our projects in the Mainland China have offered various leisure and sports activities such as running race, basketball games, and regular birthday celebrations. Moreover, our Hong Kong Headquarters has organised various events, including yoga classes, wine-tasting sessions, first-aid courses, cake making classes, and health talks, which allow employees to get some body workout, feel contented, and consequently commit themselves to work with greater enthusiasm.

## 致力增添員工之間的聯動性

為了提升員工的福祉，我們大部份項目均設有各種娛樂及休閒設施，如健身室、圖書館、籃球場和羽毛球場等供員工使用，從而幫助他們建立健康的生活方式，以平衡工作和生活。報告期內，我們在內地的項目舉辦多項文娛休閒及體育活動，例如短跑競賽、籃球友誼比賽及定期生日慶祝活動等。此外，香港總部亦舉辦了多項活動，當中包括瑜珈班、品酒會、急救護理班、蛋糕製作班、健康講座等，使員工在緊張的工作過後，能夠放鬆身心，強健體魄，感受溫暖，以更加飽滿的熱情投入到工作中。



### Xuyi Biomass Electricity and Heat Cogeneration Project held the first ever in-house short-distance running competition

#### 盱眙生物質熱電聯供項目開展首屆員工跑步競賽活動

On 4 May, Xuyi Biomass Electricity and Heat Cogeneration Project held the first in-house running race. The passion and enthusiasm of the participants, all wearing happy and youthful smiles on their faces, could be felt throughout the 5-km race. The encouragement, support, solidarity and sense of belonging fostered through the race has enhanced passion and momentum at work.

五月四日，盱眙生物質熱電聯供項目開展首屆員工跑步競賽活動。賽事全程五公里，參與的員工們感到熱情高漲，每個人的臉上洋溢著幸福而青春的笑容。活動通過員工們在競賽之中，互相鼓勵、支持，激發起員工的向心力、凝聚力，為員工們的工作注入熱情和動力。

### Celebrating International Women's Day with heartwarming initiatives

#### 歡度國際婦女節，貼心送關懷

To celebrate International Women's Day, Zibo Hazardous Waste Incineration Project held a "Celebrating March 8th" flower arrangement event on 2 March. Two professional flower arrangement instructors were invited to give talks on flower arrangement, providing a detailed introduction to the essential elements of and techniques in artistic flower arrangements, including the selection of flowers, vases, and color matching.

為慶祝國際婦女節的到來，淄博危廢焚燒項目於三月二日舉辦了「慶三八」DIY藝術插花活動。項目特別邀請了兩位花藝講師給大家講授插花知識，從花材、容器、色彩搭配等方面，詳細介紹了插花的藝術造型要素和技巧手法。



### Health and Safety

Everbright Greentech has established a comprehensive ESHS Management System, and has formed and implemented various safety management standards and procedures which aim to inspect and management the health and safety issues found in each stage of the projects. All project companies have devised contingency plans specific to the potential risks of the respective areas and management processes of the plant to ensure the safety management of the Group and nearby communities. Safety committees are formed for all construction projects, while a safety management team headed by the general manager and run by the safety and environmental commissioner is set up under each operating project. The team is also responsible for arranging emergency drills to raise employees' awareness on safety issues and to enhance their ability in crisis management. The emergency response plans are revised and improved on a regular basis based on actual needs according to the review mechanism. We also actively promote the internationally recognised OHSAS 18001/ISO 45001 Occupational Health and Safety Management System at our operating project companies.

### 健康與安全

光大綠色環保設有完善的ESHS管理體系，並制定及實施了各項安全管理標準及程序，旨在監督和管理項目各個階段的健康和安全事宜。各項目公司均設有專門的應急預案，對應廠區不同範圍和管理流程的潛在風險，為本集團和鄰近社區的安全管理把關。所有建設項目中，我們設立安全委員會，在運營項目設有由總經理牽頭、安環專員執行的安全管理團隊。團隊更負責籌劃應急演習和演練，務求提高員工對安全問題的意識，及應對危機時的處理技巧。應急方案將按評估機制定期按照實際需要作出相應的調整及改進。我們亦積極於運營項目公司推行獲國際認證的OHSAS 18001/ISO 45001職業健康和安全管理體系。

During the Reporting Period, the Group continued to enhance its ESHS systems and regimes with the publication of amended versions of the Safety Management Manual, Safety Management Standard Regime, Implementation Rules on Production Safety Accountability for Typical Positions at Project Companies and Standards for the Installation of Safety Facilities. The Group adopted a set of standardised management procedures, to oversee health and safety risks with clear guidance and to provide a safe working environment to the employees. A safety management structure comprising the "Safety Committee – Safety Sub-Committee – Safety Branch Committee" was set up to enhance our safety management structure, while the assignment of dedicated safety management personnel was also strengthened, with the number of our Certified Safety Engineers increasing by more than 80% as compared to 2017.

Besides, the Group requires, through the Supplier ESHS Management System, independent contractors to follow national and local health and safety laws and regulations, and to provide proper protective and safety training to their employees.

In 2018, a safety incident occurred due to an employee's non-compliance with safety regulations in the course of operation. In view of that, the Group carried out an inspection into potential safety hazards so as to prevent the recurrence of similar cases. The Group also launched several sessions of safety training in relation to the entire system to educate employees in safety management and increase their awareness for safety risks such that risks would be eliminated pre-emptively and the safety management standards would be enhanced.

The occupational health and safety statistics in 2018 are included in the "Key Statistics" Chapter of the Report.

報告期內，本集團繼續健全ESHS制度體系，修訂發佈《安全管理手冊》、《安全管理標準體系》、《項目公司典型崗位安全生產責任制實施細則》、《安全設施配置標準》等，以標準化的管理程序為健康與安全方面的風險提供清晰指導，務求為員工提供安全的工作環境。本集團更建立了「安委會—分安會—支安會」安全管理架構，加強安全管理機構設置及安全管理專業人員配備，註冊安全工程師數量比二零一七年增長逾80%。

此外，本集團亦透過供應商ESHS管理體系要求獨立承包商遵守國家及地方健康及安全法律法規，以及向員工提供適宜的保護裝備及安全培訓。

本集團於二零一八年內發生了一次因一位員工未按規章操作的安全事故。有鑒於此，本集團積極進行安全隱患排查，盡力杜絕同類情況再出現，同時開展全系統的安全培訓工作，讓員工學習安全管理知識、提高安全風險意識、防微杜漸，提升安全管理水準。

二零一八年職業健康和 safety 數據統計已載列於本報告「主要數據」章節內。



### Total working hours

工作總時數



Everbright  
Greentech employees  
光大綠色環保員工

4,892,096

Hours 小時



Third-party contractors  
and sub-contractors  
working onsite  
第三方承包商及  
分包商駐場工人

3,253,984

Hours 小時



Total working hours  
總工作時數

8,146,080

Hours 小時

### Safety Focus in 2018

### 二零一八年安全工作重點

Improving the system  
完善體系

Revise the ESHS evaluation criteria and strengthen the goal orientation of safety management  
修訂ESHS評估標準，強化安全管理工作的目標導向

Implementing responsibilities  
落實責任

Optimise the safety management organisation structure, and require employees to sign the Responsibility Statement for work objectives, benchmark requirements, rewards and punishments, etc., to promote the effective implementation of safety management responsibilities at all levels  
優化安全管理組織架構，並要求員工從工作目標、指標要求、考核獎懲等方面簽訂責任書，促進各級安全管理責任有效落實

ESHS Inspection  
ESHS大檢查

Engage external professional safety agencies to enhance risk identification, organise ESHS inspection with collective involvement across different departments, and procure closed-loop rectification wherever problems were identified  
聘請外部專業安全機構強化風險識別，開展多部門共同參與的ESHS大檢查，對隱患及時整改閉環

ESHS knowledge contest  
ESHS知識競賽

Provide safety production knowledge in an entertaining and educational manner to ensure that employees are fully aware of the importance of work safety and provide effective assurances for the prevention of safety accidents  
以寓教於樂的形式普及安全生產知識，確保員工充分了解安全工作的重要性，為有效防止安全事故提供有力保障

Safety training  
安全培訓

Carry out systematic safety training to enable employees to learn safety management knowledge, improve awareness of safety risks for pre-emptive prevention, and improve safety management standards  
開展全系統的安全培訓工作，讓員工學習安全管理知識、提高安全風險意識、防微杜漸，提升安全管理水準

Dealing with extreme weather  
應對惡劣天氣

Formulate emergency plans for safe production under extreme weather, and be fully prepared to ensure zero accidents in production and operation  
制定惡劣天氣下安全生產應急預案，做好充分準備，確保生產運營作業零事故



## Safety Overhauls

A safe workplace is of particular importance to the environmental industry. Apart from the daily safety checks of various project companies, the Group also engaged third-party professional agencies to conduct three ESHS overhauls at a number of biomass power generation and hazardous waste projects during the year in a full-scale inspection of the safety hazards of projects under construction as well as projects in operation. The inspection covers safety management, construction safety (work at height and power supply for construction, etc), equipment and system safety, safety signs, fire safety, storage and use of hazardous chemicals, waste disposal and management and operational safety, among others. After the inspection was completed, our executive director conducted interviews with the third-party professional agencies in person to gain in-depth understanding of the hazards identified, exchange views on rectification methods and preventive measures, and worked actively in support of the third-party professional agencies' efforts to build a safety management regime for the Group.

## 安全大檢查

安全的工作環境在環保行業尤其重要。除了各項目公司的日常安全檢查工作外，本集團亦於年內聘請了第三方專業機構對本集團旗下多個生物質發電及危廢項目進行三次安全風險大檢查，全面排查在建項目及運營項目的安全隱患。檢查內容包括安全管理、施工安全（高處作業、施工用電等）、設備及系統安全、安全標誌、消防安全、危險化學品儲存及使用、廢物處置及管理、運營安全等。檢查完成後，本公司執行董事親自與第三方專業機構面談，對所排查出的隱患進行深入瞭解，交流整改方法和防範措施，並主動地配合第三方專業機構為本集團建立安全管理體系。

### Five Spring Inspection Teams established by Fengyang Urban-rural Integration Project

#### 鳳陽一體化項目成立五個春檢小組

In order to ensure the safety of on-site operations in spring and to identify potential issues in safety management and the status of equipment, Fengyang Urban-rural Integration Project established five spring safety inspection teams on 28 March to conduct target-specific inspection on safety issues.

To ensure the success of the inspection, the project company has established uniform inspection rules. The inspection focused on the prevention of personal injury, implementation of safety rules and regulations such as "two tickets and three systems", fire safety, equipment management, operation and maintenance, and potential hazards of equipment. Special meetings on the spring inspection were organised regularly. The project company implemented the "one hazard, one file" principle. Detected hazards were included in the maintenance or technology upgrade plan, and rectification measures were implemented one by one and managed on a closed-loop basis.

三月二十八日，為確保春季現場作業安全和摸清安全管理潛在的問題及設備健康水平，鳳陽一體化項目成立了五個春季安全大檢查小組，針對性進行安全問題檢查。

該次檢查特意統一編制檢測規範以確保順利進行，重點開展防人身傷害、「兩票三制」等安全規章制度的執行情況、消防安全、設備管理、運行維護、設備隱患排查治理等方面的檢查，定期組織召開春檢專題會議。項目更落實「一患一檔」原則，對發現缺陷或隱患全部納入檢修或技改計劃，逐一落實整改，實行閉環管理。

### The “Four Inspections” conducted by Lingbi Urban-rural Integration Project 靈璧一體化項目開展「四項檢查」

In order to implement the principle of the Clean Energy Management Center’s Notice on Conducting Pre-holiday Safety Inspections, Lingbi Urban-rural Integration Project carried out a general inspection led by general manager on 29 January.

The inspection highlighted “four elements”, namely environmental protection, civilised production, workplace hygiene, and fire safety. It focused on the management and control of major hazardous sources such as fuel yards, oil depots, and chemicals, as well as the implementation of safety management and technical measures such as fire prevention, explosion prevention and leakage prevention. Meticulous inspection was conducted on the testing and hazard identification for boilers, pressure vessels and other special equipment in response to the problems and potential hazards found. The Company issued a rectification notice to the relevant responsible departments and officers, requiring them to complete closed-loop rectification according to high standards, and ensure stability in safe production during the Spring Festival.

為貫徹落實清潔能源管理中心《關於開展節前安全大檢查通知》的精神，靈璧一體化項目於一月二十九日總經理帶隊組織開展了專項檢查。

此次檢查突出了「四項內容」，即環境保護、文明生產、車間衛生、消防安全，重點針對料場、油庫、化工藥劑等重大危險源過程管控情況，防火、防爆、防洩漏等安全管理和技術措施落實情況，鍋爐、壓力容器等特種設備檢驗及隱患排查治理情況進行了認真檢查。針對發現的問題和隱患，公司分別向有關責任部門和責任人下達了整改通知書，要求高標準完成各項缺陷閉環工作，確保春節期間安全生產形勢穩定。



### Guanyun Hazardous Waste Landfill Project Passed Delivery Inspection to Earn the Title of Municipal Exemplary Enterprise in Occupational Health 灌雲危廢填埋項目通過市級職業衛生示範企業驗收

On the morning of 9 January, the director of the Occupational Health Division of the Lianyungang City Safety Supervision Bureau led a group of 6 experts to Guanyun Hazardous Waste Landfill Project to conduct delivery inspection in relation to the award of the status of an Exemplary Enterprise in Occupational Health.

The inspection team came to the workshop site and checked whether the notice board of occupational risks, notification card, and warning signs were in place, whether protective articles for employees were properly worn, and whether protective equipment for occupational disease was effectively operated. The team also conducted comprehensive inspection of occupational health records such as the project's occupational health management organisation and the occupational health accountability system, the health monitoring files, testing of occupational disease factors, and the evaluation on occupational disease. The expert members of the team gave positive feedback to Guanyun Hazardous Waste Landfill Project with respect to occupational health management and unanimously agreed to award the project with the status of a Municipal Exemplary Enterprise in Occupational Health.

一月九日上午，連雲港市安監局職業健康處處長率領專家組一行6人到灌雲危廢填埋項目進行職業衛生示範企業驗收。

驗收組深入生產車間作業現場，查看了職業危害公告欄、告知卡、警示標語是否設置，員工勞動防護用品是否正確佩戴，職業病危害防護設備是否有效運行等情況；隨後對項目職業衛生管理組織機構、職業衛生責任制、職工職業健康監護檔案、職業病危害因素檢測和企業職業病危害評價等職業衛生台賬進行了全面檢查。專家組成員分別回饋檢查意見，對灌雲危廢填埋項目的職業衛生管理工作表示肯定，一致同意予以通過市級職業衛生示範企業驗收。



## Total training hours on health and safety

健康與安全培訓數據統計



Total training hours on health and safety  
健康與安全培訓總時數

**38,818** Hours  
小時

## Safety Training

In order to integrate ESHS into corporate culture and ensure production safety and stability, all project companies have formulated work plans; implemented safety education and training activities for all employees at different levels and in different forms; implemented the responsibility system for safe production; raised awareness of safe production; and ensured that safety work is carried out in a systematic manner.

## 安全培訓

為將ESHS融入企業文化，確保生產安全穩定，各項目公司均制定了工作方案，多層次、多形式地實施全員安全教育培訓活動，落實安全生產責任制，提高安全生產意識，確保安全工作有序開展。

## Content of Safety Training

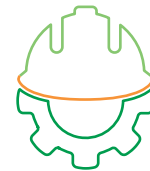
安全培訓內容



Laws and Regulations  
法律法規



Corporate Responsibilities for  
Safe Production  
企業安全生產主體責任



Basic Knowledge on  
Safety Management  
安全管理基本知識



Prevention of Safety Incidents  
during Production  
預防生產安全事故



Risk Ranking Management and  
Inspection of Potential Hazards  
風險分級管控和隱患排查



Emergency Management  
事故應急管理



Occupational Health Management  
職業健康管理



Corporate Safe Production Standards  
企業安全生產標準

### Education and Training for Part-time Safety Officers at Lianyungang Hazardous Waste Incineration Project 連雲港危廢焚燒項目開展兼職安全員教育培訓

In order to improve the Company's safety management system and ESHS Management System, and improve the skills of part-time safety officers, Lianyungang Hazardous Waste Incineration Project carried out safety education and training for part-time safety officers on 22 January.

The training included laws and regulations, corporate responsibilities for safe production, basic knowledge on safety management, prevention of safety incidents during production, risk ranking management and inspection of potential hazards, emergency management, occupational health management and corporate safe production standardisation. Combined with videos of safety case study, the training explained the roles and duties of the safety officer. The training stimulated employees' awareness of and reflection on safety management, and set the foundation for better daily safe production management in the workplace.

為健全本公司安全管理體系及ESHS管理體系建設，提升兼職安全生產管理人員技術水平，連雲港危廢焚燒項目於一月二十二日開展了兼職安全員安全教育培訓。

此次培訓內容包括法律法規、企業安全生產主體責任、安全管理基本知識、生產安全事故預防、風險分級管控和隱患排查、事故應急管理、職業健康管理和企業安全生產標準化，結合安全生產事故案例、影像資料，深刻講解了安全員的角色定位和工作職責。此次培訓激發了員工對安全管理工作的認知與思考，為更好地開展作業場所日常安全生產管理工作奠定了基礎。



### Emergency Rescue Training for Employees at Xuyi Biomass Electricity and Heat Cogeneration Project

#### 盱眙生物質熱電聯供項目組織員工緊急救援培訓

On 26 June, Xuyi Biomass Electricity and Heat Cogeneration Project invited the Xuyi Red Cross to conduct emergency training for employees. The main purpose of the training is to teach employees how to provide first aid, so that employees can execute simple emergency treatment for personnel in danger in an accident and saves lives during critical moments.

The main ways of training are through theoretical explanation and on-site practice. After the theoretical explanation, the participants of the training took a written test. Employees also took on-site operation examinations after the demonstration by the instructors. The instructors interacted with our employees in a relaxed and humorous way, which allowed better understanding and implementation by employees. This type of training not only provides additional guarantee for the safety of employees, but also allows employees to offer help in case of similar situations outside the context of work in practice of the social responsibility of an Everbright staff member.

盱眙生物質熱電聯供項目於六月二十六日邀請盱眙縣紅十字會對本公司員工進行急救培訓。培訓主要目的在於教授員工急救的方式方法，讓員工能在事故中對出現危險的人員進行簡單的應急處理，使他們在關鍵時刻能夠解救生命。

培訓主要方式通過理論講解和現場实操。理論講解過後對參訓員工進行筆試，實質示範過後對員工進行現場操作考試。培訓導師皆以輕鬆幽默的方式進行互動，使員工能更貼合實際地瞭解並化為己用。這類型的培訓除了對於員工的安全多了一分保障，同時，參訓員工在社會上碰到此類型情況也能伸出緩手，踐行光大人的社會責任。



### Site-wide Fire Protection System Drill and Training at Guanyun Urban-rural Integration Project 灌雲一體化項目開展全廠消防系統实操培訓

On 28 February, in order to further strengthen the fire safety awareness of personnel in various positions and improve the ability of fire emergency rescue, Guanyun Urban-rural Integration Project invited professional fire management personnel to conduct a site-wide fire protection system drill and training.

The fire management personnel explained the layout of the project's fire protection system, and demonstrated how fire-fighting facilities such as fire hydrants and fire monitors should be used and things to note when using them. Subsequently, the instructors arranged some of the participants to simulate the operation of the fire-fighting facilities and also answered the questions raised by the participants.

Nearly 50 people from the project company's safety and environmental management department, production technology department, production operation department, water treatment center, fuel procurement department, property management company, fuel crushing company and maintenance company participated in the training.

二月二十八日，為進一步強化各崗位人員的消防安全意識，提升火災應急撲救處置能力，灌雲一體化項目邀請了專業消防管理人員進行了一次全廠消防系統現場实操培訓。

消防管理人員講解了項目公司消防系統佈局，並現場示範了消防栓、消防炮等設施的操作方法及操作注意事項。隨後，授課人員安排部份參訓人員現場模擬練習消防設施操作，並就參訓人員提出的問題作出了解答。

項目公司安環管理部、生產技術部、生產運行部、水處理中心、燃料採購部、物業管理公司、燃料破碎公司、檢修公司近50人參加了此次培訓。



# 08

## We benefit the community through **CHARITABLE WORK AND DONATIONS**

熱心行善，惠澤社群





Dedicated to developing a close, long-term relationship with the local communities, the Group integrates the promotion of the social and economic inclusion of all into its planning and operations. Under the guidance of Everbright International's Donations and Sponsorships Management Measures. We actively promote poverty alleviation works in various places, and foster the sustainable development of the community through environmental education and voluntary works. Our work has substantially helped the integrated development of the communities to become more inclusive, resource efficient, and climate and hazard resilient.

To ensure that our operations are in harmony with the community, the Group promotes public participation and raises the awareness of social concerns into the beginning of project life cycle, thus ensuring that any resettlement associated with our project development will be properly managed in compliance with applicable laws, and all affected people will receive fair and adequate compensation and rehabilitation.

致力於與社區建立長遠、密切的關係，本集團在光大國際《對外捐贈、贊助管理辦法》的引領下，以推動社會和經濟共融為己任，積極於各地推廣扶貧工作，亦透過環保教育及義務服務承擔社區的可持續發展。我們的工作大大推進了社區的綜合發展，使其邁向成為一個更包容、更能有效善用資源、更能抗禦氣候變化和自然災害的社區。

為確保我們的運營項目與社區和諧共處，本集團積極推動社區參與，並將社會關注點納入項目生命週期的初始階段，從而確保與項目開發相關的移民安置工作按照適用法律進行妥善管理，受影響人士將得到公平、充分的補償和修復安排。

In 2018  
二零一八年

In 2018, we have participated in **26** Charitable events  
二零一八年參與了 26 次慈善公益活動



Charitable donations **1,434,682** HK\$  
捐款總金額港幣 元



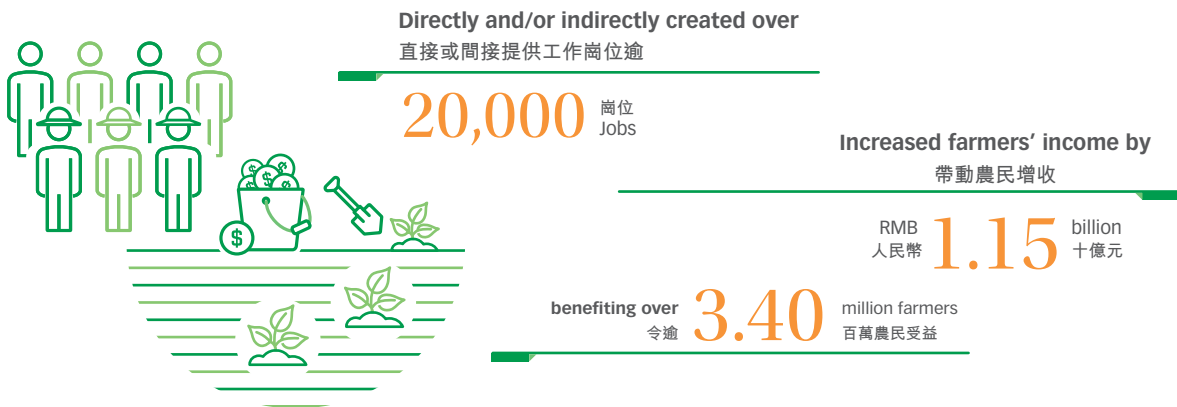
Total volunteer services hours **1,170** Hours  
義務服務總時數 小時

## Promoting Targeted Poverty Alleviation

## 助力精準扶貧

### In 2018, Everbright Greentech's integrated biomass utilisation projects

二零一八年，光大綠色環保的生物質綜合利用項目



Through our integrated biomass utilisation business, we built a targeted poverty alleviation industry chain which brought decent work and economic growth to China's rural dwellers, as well as developed a "Government-Led, Corporate-Operated, and Market-Steered" poverty alleviation mechanism. The government arranges underprivileged households to collect and sell biomass raw materials to our operating projects, providing extra income to the needy while helping to address the local waste treatment problem. The collaboration model breaks new ground to create a "triple-win" scenario for the environment, society and economy. In 2018, our integrated biomass utilisation projects directly and/or indirectly created over 20,000 jobs, and increased farmers' income by approximately RMB1.1 billion, benefiting over 3.4 million farmers.

通過我們的生物質綜合利用業務，我們打造了一個精準的扶貧產業鏈，為中國的農村人口提供更體面的工作和經濟發展機會，建立了「政府主導、企業運作、市場運行」的幫扶工作機制。政府透過此模式組織貧困戶收集生物質原料出售予我們的運營項目，為他們提供額外收入的同時有助處理當地的廢物處置問題，開創出環境、社會和經濟效益三豐收的新格局。二零一八年，我們的生物質綜合利用項目直接及／或間接提供工作崗位逾20,000個，帶動農民增收約人民幣11億元，令逾340萬名農民受益。

In addition, we set up EB Greentech (Huaiyuan) Cleaning Service Limited in Huaiyuan, and engaged over a hundred of sanitary workers from underprivileged households. This action not only promoted the rural environmental protection in Huaiyuan County, but also generated income and improved the living conditions of local residents. Also, the Suqian Hazardous Waste Landfill Project company signs the Household Waste Removal Agreement with the local village committee every year, outsourcing the cleaning and landscaping works within the plant area to local villagers to provide them with extra income.

As a socially conscious enterprise, we aim to build resilience for the underprivileged, so as to reduce their vulnerability in health emergency and climate-related extreme events. During the Reporting Period, our Binhai Hazardous Solid Waste Landfill Project participated in the “Tackling Poverty Alleviation and Developing Portfolio for Childhood Illness Assistance” charitable event, purchasing critical illness and accident disability insurance for 100 underprivileged children aged from 0 to 16. At the beginning of the year, our Huaiyuan Integrated Biomass and Waste-to-Energy Project also sent relief supplies such as rice and oil to 34 underprivileged households in Wonan Village who were affected by snowstorm, sending warmth to the elderly and the weak amid heavy snow.

另外，我們在懷遠設立了光大綠色環保（懷遠）清潔服務有限公司，於當地招聘了過百名貧困戶作保潔員。此舉不僅有促進懷遠縣的農村環境保潔工作，更為當地居民帶來經濟收入，改善生活條件。宿遷危廢填埋項目公司更每年與當地村委會簽訂《生活垃圾清運協議》，將廠區的生活垃圾清理及綠化植被種植工作外包給當地村民，以增加他們的收入。

作為一間關懷社會的企業，我們旨在增強貧困和弱勢群體的韌性，以減低健康和氣候相關的極端事件對他們的影響。報告期內，濱海危廢填埋項目參與了「脫貧攻堅建檔立卡戶少兒病殘救助」愛心捐贈項目，為100名縣內0-16周歲未脫貧的兒童購買危疾和意外傷殘保險。懷遠生物質及垃圾發電一體化項目於年初為渦南村34戶貧困村民送去了米、油等慰問物資，以慰雪中受災的村民，使老弱病殘者在大雪中不失人間溫暖。



### Lingbi Urban-rural Integration Project: Undertaking Corporate Responsibility to Promote Targeted Poverty Alleviation

#### 靈璧一體化項目：履行企業責任助力精準扶貧

Lingbi Urban-rural Integration Project builds a targeted poverty alleviation industry chain through the supply of biomass raw materials. It creates an economic complex for industrial development and the poor households, and establishes a “government-led, corporate-operated, and market-oriented poverty alleviation mechanism. Through this model, the government organises poor households to collect biomass raw materials for selling, which increases the rate of poverty alleviation. At the end of 2018, the project company acquired 310,000 tonnes of local fuel and paid RMB84.07 million for fuel cost, which directly or indirectly created nearly 4,100 jobs. In cooperation with Yinji County Government, 17 farmer cooperatives, which consisted of poor households, were established based on administrative villages. In 2018, the 17 cooperatives sold approximately 45,000 tonnes of straw fuel to the project. In return, the project company paid RMB13.5 million for the straw fuel, benefiting 2,076 poor households. The poverty alleviation chain has created a new platform of environmental, social, and economic benefits.

靈璧一體化項目通過生物質原材料供應打造精準扶貧產業鏈，打造產業發展與貧困群體共用經濟聯合體，建立「政府主導、企業運作、市場運行」的幫扶工作機制。政府依靠此模式組織貧困戶收集生物質原料賣錢，提高了脫貧率。項目公司二零一八年底收購當地燃料31萬噸，支付燃料費用人民幣8,407萬元，直接或間接提供工作崗位近4,100個，同時與尹集鎮政府配合，以行政村為單位成立17個農民合作社，並將貧困戶吸納到合作社中。二零一八年，17個合作社共向項目交售秸稈燃料4.5萬噸，項目公司支付燃料費用人民幣1,350萬元，產生的效益惠及到2,076戶貧困戶，開創出環境、社會和經濟效益三豐收的新格局。



### **Binhai Hazardous Waste Landfill Project participated in the “Tackling Poverty Alleviation and Developing Portfolio for Childhood Illness Assistance” Campaign**

**濱海危廢填埋項目參與「脫貧攻堅建檔立卡戶少兒病殘救助」愛心捐贈項目**

In June 2018, Binhai Hazardous Waste Landfill Project received a letter from the Women Development Association, entitled “A Letter to a Caring Enterprise (Person)”. The letter clarified that Binhai County was going to implement the “Tackling Poverty Alleviation and Developing Portfolio for Childhood Illness Assistance” campaign, which aimed to collect charitable donations to purchase critical illness and accident disability insurance for underprivileged children aged from 0 to 16 old in the county.

Undertaking its corporate social responsibility, Binhai Hazardous Waste Landfill Project decided to participate in the campaign. Following due research, Binhai Hazardous Waste Landfill Project decided to finance an insurance premium of RMB50 per person for 100 underprivileged children, equivalent to a total donation amount of RMB5,000.

The leaders of the Binhai County Women Development Association and the Industry Park gave positive feedback to the Project in actively participating in public welfare activities and taking the initiative to undertake social responsibility. A donation certificate was awarded by the Jiangsu Children Welfare Foundation.

二零一八年六月，濱海危廢填埋項目收到一封園區婦聯發來的信件，題為「致愛心企業（人士）的一封信」。信中闡明濱海縣將實施「脫貧攻堅建檔立卡戶少兒病殘救助」項目，募集愛心捐款，為縣內0-16周歲未脫貧的兒童購買純公益的大病和意外傷殘保險。

為承擔企業的社會責任，濱海危廢填埋項目參與本次愛心捐贈項目。濱海危廢填埋項目經過研究決定幫助100人次的貧困兒童，每人參保費用為人民幣50元，共計捐贈款項人民幣5,000元。

濱海縣婦聯及園區各級領導充分肯定了該項目在積極參與公益活動、主動承擔社會責任的企業擔當，並由江蘇省兒童少年福利基金會授予了捐贈證書。

### Suqian Solid Waste Landfill Project Carried Out Visiting Event During Spring Festival 宿遷固廢填埋項目開展春節慰問活動

In the morning of 24 January, the team from Suqian Solid Waste Landfill Project travelled to Lingxi Village, Shiling Town, where the project was located, with greetings and blessings. As Spring Festival approached, the team offered good wishes to the poor households. During the event, Suqian Solid Waste Landfill Project donated food, oil, and money to 30 poor households.

Lingxi Village is located in remote area. The main income source of the villagers is from agriculture and the income of the villagers is relatively low given the monotonous economic structure. To this end, since 2013, Suqian Solid Waste Landfill Project has actively communicated and collaborated with the local government and surrounding villagers, and regularly carried out various activities such as poverty alleviation work, visiting, and co-development. In addition to the regular poverty alleviation events, the project has also donated money to the university students from poor families at the beginning of the school year to ease their pressure. Meanwhile, the project has strengthened the co-operation with the village by signing the Household Waste Removal Agreement in pursuit of joint operations and mutual benefits. In the future, Suqian Solid Waste Landfill Project will continue to promote the "Village-Enterprise Co-development" work, and further carry out Everbright's corporate philosophy of "People-oriented" and our commitment to social responsibility.

一月二十四日上午，宿遷固廢填埋項目的慰問車滿載著殷切的關懷和深深的祝福趕赴項目所在地侍嶺鎮嶺西村，在春節來臨前，為當地貧困戶送去濃濃的節日祝福。在本次春節慰問活動中，宿遷固廢填埋項目為當地30名貧困戶送上了糧油等過節物品及慰問金。

嶺西村地處偏遠，村民以種植糧食為主要收入來源，經濟結構單一，村民收入普遍偏低。為此，自二零一三年以來，宿遷固廢填埋項目主動加強與當地政府及周邊村民之間的溝通與協作，定期開展幫扶、慰問、共建等形式多樣的活動。除了定期開展貧困戶慰問活動，該項目還在每年大學生開學之際為貧困家庭學生送去慰問金，緩解學生就學壓力；同時，加強村企合作，與該村簽訂《生活垃圾清運協議》，互惠互利，合作共營。宿遷固廢填埋項目將持續推進「村、企和諧共建」工作持續開展，進一步將以人為本，勇於承擔社會責任的企業理念發揚光大。



### Xiaoxian Urban-rural Integration Project Visited Lone Senior Citizens 蕭縣城鄉一體化項目慰問孤寡老人

As the Spring Festival of 2018 approached, Xiaoxian Urban-rural Integration Project organised a group of staff to visit the nursing home on 9 February. The team offered good wishes to the lone senior citizens, and gave away rice, noodles, oil and other resources. They chatted with the elderly and listened to their stories. Knowing the spiritual and cultural needs and hobbies of the senior citizens, our team suggested the nursing home to organise chess club, fitness clubs and other associations to enrich the daily lives of the elderly, so as to promote a sense of worthiness and happiness among them.

二零一八年春節來臨之際，二月九日，蕭縣城鄉一體化項目組織慰問團隊前往敬老院，為留守的孤寡老人送去了新春的關懷。慰問團隊為老人們送去了米、麵、油等慰問物資，並與老人們聊天談心，傾聽他們的心聲。瞭解到老人們的精神文化需求和愛好，蕭縣城鄉一體化項目倡議敬老院組織象棋社、健身社等社團，豐富老人們的晚年生活，讓他們老有所為、老有所樂。



### Achieving Transparency between Village and the Company

The Group adopts a responsible, inclusive, participatory, and representative decision-making approach when our projects might potentially affect local villagers, and implements short- and long-term measures to resolve conflicts between the enterprise and villagers. These measures include standardised operation, detailed management, emissions compliance, public visits, etc. In particular, we invite the public to visit our facilities in collaboration with local officials through multiple channels including social media platforms and local government's websites, so as to ensure the public's right of access to environmental information and right to participation and on supervision. These measures effectively enabled us to achieve transparency between village and the Company, allowing villagers to fully comprehend our operations.

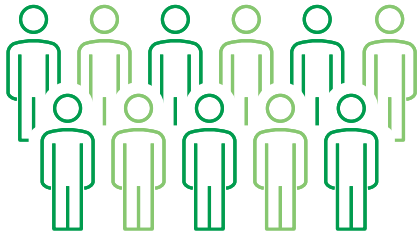
### 實現「村企零距離」

應對項目對當地村民的潛在影響，本集團秉持負責、共融、協作和具代表性的決策模式，採取各項短、長期措施消除企業與村民之間矛盾。這些措施包括規範經營、精細管理、達標排放及公眾參觀等。我們更與當地政府合作，通過社交平台、地方政府網站等多元渠道邀請公眾來訪，切實保障公眾的環境知情權、參與權、監督權。這些措施有效讓我們實現「村企零距離」，讓村民全面地掌握我們的運營情況。

We also utilised our resources to provide the public with education in sustainable development and green living, as well as promote local green tourism. Binhai Hazardous Solid Waste Landfill Project is in itself a base for science popularisation, environmental education and industrial tourism. In 2018, we hosted more than 8,000 local and overseas visitors through visits, research tours and exchange delegations.

### In 2018

二零一八年



我們亦運用資源為大眾提供可持續發展和綠色生活的教育機會，以及推動當地的綠色旅遊發展。濱海危廢填埋項目便是一個集科普教育、環境教育及工業旅遊為一身的基地。我們的項目於二零一八年通過參觀、考察和交流團，接待了超過8,000名本地和海外訪客。



Our projects received **over 8,000** visitors  
我們的項目共接待 **超過** 8,000 名參觀人士

**over 850** batches  
**超過** 850 批次

### Open Environmental Protection Facilities to the Public

The Group was engaged in initiatives to open its environmental protection facilities to the public. 5 projects were made open in 2018 during the first phase, while 15 more projects are expected to be made open from 2019 to 2020. The initiative to open up to the public has effectively safeguard the public's right of access to environmental information and right to participation and supervision, thus further building the corporate's positive image of the Group.

### 環保設施公眾開放

本集團積極開展環保設施公眾開放活動，於二零一八年首期開放5個項目，二零一九年至二零二零年計劃陸續開放15個項目。透過公眾開放，更有效的保障公眾環境知情權、參與權和監督權，進一步樹立本集團良好企業形象。



### Everbright Greentech Disclosed Environmental Information: Binhai Hazardous Waste Landfill Project 光大綠色環保資訊公開－濱海危廢填埋項目

Everbright Greentech has always cooperated with the country in facilitating ecological civilisation. According to the Ministry of Ecology and Environment, the Group promotes the normalisation and standardisation of public disclosure in environmental protection industry, and continuously expands the channels of public participation. The Group's Binhai Hazardous Waste Landfill Project has further promoted the open up of environmental protection facilities to the public, in order to play its role in publicity and education, and also urges environmental protection enterprises to continuously improve environmental management standards under the supervision of the public.

According to the requirements of the Measures for the Disclosure of Environmental Information of Enterprises and Institutions and the Notice on Printing and Distributing the Action Plan for Special Remediation of Hazardous Wastes in the Province, Binhai Hazardous Waste Landfill Project disclosed its information on pollution discharge, operation of pollution prevention facilities, operation of hazardous waste handling, through government website and the display in the plant. We have also further opened up our environmental protection facilities to the public and colleagues, so that they can learn more about our operation and the treatment process of hazardous waste. The contents of the public disclosure of environmental facilities involved in the Binhai Hazardous Waste Landfill Project mainly include:

#### Procedures of hazardous waste treatment:

From hazardous waste collection, temporary storage, sampling analysis, pre-treatment and landfill, the whole treatment procedures are open to the public. Meanwhile, information will be shared to the public to help them learn more on hazardous waste treatment, including the entry standards of waste, the methods of returning unqualified waste, the requirement in temporary storage of goods, and the prerequisite of landfill disposal.

光大綠色環保一直致力配合國家促進生態文明，根據國家生態環境部的有關精神，推動環保公眾開放活動常態化和規範化，不斷拓寬社會各界參與渠道。旗下的濱海危廢填埋項目亦進一步加大推進環保設施向公眾開放的工作力度，務求發揮其宣傳教育作用，也促使環保企業在民眾監督下不斷提升環境管理水準。

按應《企業事業單位環境信息公開辦法》和《關於印發全省危險廢物專項整治行動方案的通知》的要求，濱海危廢填埋項目已通過政府網站公示、廠內顯示屏公示的方式對外公開排污資訊、防治污染設施的運行情況、危險廢物經營處置情況等信息。我們亦更進一步開放環保設施，讓社會大眾、公司同仁及時瞭解項目的環保運行情況及危廢處置情況。濱海危廢填埋項目涉及的環保設施開放的內容主要包括：

#### 危險廢物處置工序：

從危險廢物的接收進場、貨物暫存、取樣分析、預處理、填埋整個處置工序對外開放，同時向公眾講述廢物的入廠標準、不符合入廠標準的退回處理方式、貨物暫存堆放要求、填埋前所必須具備的條件等資訊，加大公眾對危險廢物處置情況的瞭解。

### Everbright Greentech Disclosed Environmental Information: Binhai Hazardous Waste Landfill Project 光大綠色環保資訊公開－濱海危廢填埋項目

#### Operation of waste water treatment facilities:

The operation status of the on-site water treatment facilities and the waste water treatment process are disclosed to the public. There are description and explanation on the function and expected outcome of each step in the waste water treatment process.

#### Operation of flue gas treatment facilities:

The operation requirements of the flue gas treatment facilities for the pre-treatment stage of hazardous waste and the flue gas treatment procedures are disclosed to the public. The composition of the flue gas, the emission methods and the emission standards are also reported.

Through various channels including social media and local government websites, the Binhai Hazardous Waste Landfill Project has become the base for science education, environmental education and industrial tourism. Public disclosure is our practice in fulfilling "Maintaining Safe Production in compliance with Discharge Standards". It is a way to let the public understand and trust the process of our standardised hazardous waste treatment, and witness that the flue gas, waste water and waste residue generated in the process have been treated to meet the national emission standards, and participate in the supervision of the standardised operation of environmental protection enterprises.

#### 廢水處理設施運行情況：

公開生產現場水處理設施運行情況、廢水處置工藝流程，講述廢水處理過程中每一個環節所具備的功能及達到的處理效果。

#### 廢氣處理設施運行情況：

向公眾講解危險廢物進行預處理時廢氣處理設施的運行要求、廢氣處置工藝，講述廢氣中所含成份、排放方式，達標排放情況。

通過社交平台、地方及政府網站並與地方政府合作等多元渠道，濱海危廢填埋項目成為科普教育、環境教育及工業旅遊的基地。開放是我們履行「安全生產、達標排放」的實踐，讓公眾瞭解及信任我們規範處置危險廢棄物的過程，並見證當中所產生的廢氣、廢水、廢渣經重重處理達到甚至優於國家規定的排放標準，共同參與在監督環保企業規範運營的環節當中。

## Technology and Environmental Protection Education

The Group attaches great importance to environmental protection and public education. We actively invest resources, manpower and technology to educate the public on sustainable development and green living. As an excellent enterprise in the green industry, Everbright Greentech aims not only to construct more green projects with features of the environmental protection industry, but also to create favourable conditions for the promotion of green lifestyle and green tourism. To complement the education and promotion efforts of governments, we endeavour to build an effective platform on which the public can acquire knowledge and skills, enhance awareness and start good practices in relation to environmental protection.

## 科技及環保教育

本集團非常重視環保及公眾教育的工作，並積極投放我們的資源、人才及科技開展大眾的可持續發展和綠色生活的教育。作為環保行業的優秀企業，光大綠色環保的業務結合環保行業特點，不僅要為社會建設更多更環保的綠色項目，更要為推動生活方式綠色化、推動當地綠色旅遊發展創造條件。配合著政府的教育推廣工作，我們同時致力於為公眾搭建學習環保知識、提高環保意識、掌握環保技能、開展環保實踐的良好平台。

### Graduate Students from Hehai University Visited Xuyi Biomass Electricity and Heat Cogeneration Project 河海大學研究生走進盱眙生物質熱電聯供項目

On 23 June, 30 graduate students and teachers from Hehai University conducted a two-day study tour in Xuyi Biomass Electricity and Heat Cogeneration Project.

The teachers and graduate students visited our project's production line. They learned about our production process and the environmental and safety management during the production process. The successful completion of a moving classroom session for the graduate students represents the integration of academic theory and production. On one hand, teachers and students get the chance to learn and enrich their operational management knowledge in practice as they go out of the campus and into the enterprise. On the other hand, it allows the project company to communicate face-to-face with management talents in the university, so that the academic field and even the society can understand our operation and environmental protection concept, laying a solid foundation for talents recruitment in the future.

六月二十三日，河海大學研究生師生一行共30人將移動課堂搬進盱眙生物質熱電聯供項目，開展了為期兩天的參觀、學習與交流工作。

河海大學研究生師生一行參觀了項目生產線，對生產運行各環節流程及生產過程中的環境安全管理作了詳細的瞭解。此次研究生移動課堂交流的順利完成，實現了學術理論與生產實現的對接融合，一方面讓師生走出校園、走進企業，在實踐中學習、豐富運營管理知識。另一方面，通過移動課堂，項目公司與大學裡優秀的管理型人才進行面對面交流，讓學術界乃至整個社會充分瞭解光大的運作模式及環保理念，為今後光大能吸納更多優秀的管理人才打下基礎。



### Hanshan Biomass Direct Combustion Project Organised the First Public Open Day 含山生物質直燃發電項目組織開展了首次公眾開放日活動



On 18 October 2018, Hanshan Biomass Direct Combustion Project organised the first Public Open Day.

Through site-visit and explanation, 41 teachers and students from Hanshan Tongzha Central School learned the process of “how to convert biomass straw into electricity”. They also realised the benefits of integrated biomass utilisation in reducing environmental pollution, increasing domestic employment opportunities, and boosting local economy.

Through this Public Open Day, teachers and students gained new insight into biomass electricity generation and witnessed Everbright Greentech’s outstanding contributions to environmental protection.

二零一八年十月十八日，含山生物質直燃發電項目組織開展了首次公眾開放日活動。

通過實地參觀及現場的講解，來自含山縣銅閘鎮中心學校的41名師生對生物質電廠「如何將生物質秸稈轉化為電能」這一過程有了生動瞭解。同時，也體會到生物質能源綜合利用對降低環境污染、增加當地就業、帶動地方經濟等諸多好處。

通過本次公眾開放日活動，各位師生對生物質發電有了全新認識，更見證光大綠色環保對於環保事業所作出的突出貢獻。



### Working with Local Governments to Facilitate Healthy Communities

The Group consistently encourages and promotes effective public and civil society partnerships to improve the community's health and environment. During the Reporting Period, Zibo Hazardous Waste Incineration Project co-operated with the Qingdao Food and Drug Administration Bureau and destroyed about 50 tonnes of expired drugs in our hazardous waste incineration facilities. The expired drugs are worth over RMB6 million. It not only reflects the government's determination in creating a harmonious and safe environment for drug use, but also shows Everbright Greentech's philosophy of environmental protection. Moreover, it regulates the business behaviour of the drug sales companies, popularises knowledge in handling medicines safely, and protects the safe use of medicines. Apart from providing technical assistance, this activity has demonstrated our strong emphasis on public and community education. We are committed to handling the disposal of expired drugs in cooperation with the government in order to reduce the safety hazard caused by such expired drugs to the environment and public health and to promote safety in public drug use.



### 與地方政府合作促進社區健康

本集團不斷鼓勵和發展有效的公共和公民社會合作，全面促進社區的環境及健康狀況。於報告期內，淄博危廢焚燒項目公司配合青島市食品藥品監督管理局等相關單位，將約50噸的過期藥品於我們的危廢焚燒設施進行集中銷毀。本次共銷毀過期藥品價值超過人民幣600餘萬元，既體現了政府營造和諧、安全用藥環境的決心，又體現了光大綠色環保的理念，同時也規範了藥品銷售企業的經營行為，普及了用藥安全知識，維護了人民群眾的用藥安全。除了提供處理的技術支援外，此舉同時顯示我們對公共及社區教育的高度重視。我們致力與政府一同解決處置過期藥品的問題，減少其對環境、公眾健康等帶來的安全隱患，促進民眾用藥安全。

## Corporate Level

## 企業層面

Awards 獎項名稱	Awarding Unit 授獎單位
Constituent Stock of Hang Seng Sustainability Benchmark Index 恒生可持續發展企業基準指數成份股	Hang Seng Indexes Company Limited 恒生指數有限公司
President's Award 2017/2018 公益金榮譽獎2017/2018	The Community Chest 香港公益金
HKQAA CSR Plus Mark 香港品質保證局社會責任進階標誌	Hong Kong Quality Assurance Agency (HKQAA) 香港品質保證局
Best Investment Value Listed Company 最具投資價值上市公司	The 8th China Securities Golden Bauhinia Awards 第八屆中國證券金紫荊獎
Best Corporate Governance Awards 2018 Sustainability and Social Responsibility Reporting Awards – Special Mention – Non-Hang Seng Index (Mid Market Capitalization) Category 最佳企業管治大獎2018之可持續發展及社會責任報告獎— 評判嘉許—非恒指成份股(中市值)組別	Hong Kong Institute of Certified Public Accountants (HKICPA) 香港會計師公會
Happy Company 2018 開心企業2018	Hong Kong Productivity Council 香港生產力促進局
Good MPF Employer Award 2017-18 2017-18年度「積金好僱主」	Mandatory Provident Fund Schemes Authority 香港強制性公積金計劃管理局

Project Level

項目層面

Projects 得獎項目	Awards 獎項名稱	Awarding Unit 授獎單位
<b>Everbright Alternative Energy (Dangshan) Limited</b> 光大新能源(礪山)有限公司	Advanced Unit of Work Safety 2017 2017年度安全生產工作先進單位	Government of Dangshan County 礪山縣人民政府
<b>Everbright Urban and Rural Renewable Energy (Guanyun) Limited</b> 光大城鄉再生能源(灌雲)有限公司	Home for Employee 模範職工小家 Integrity Culture Demonstration Site 2018 2018年廉政文化示範點	Jiangsu Province General Labour Union 江蘇省總工會 Guanyun Office for Discipline Inspection 中共灌雲縣紀委辦公室
<b>Everbright Environmental Protection (Lianyungang) Solid Waste Treatment Limited</b> 光大環保(連雲港)固廢處置有限公司	Occupational Health Management Demonstration Enterprise 2017 2017年度職業衛生管理示範企業 Advanced Service Certificate 2018 2018年服務業先進集體證書	Lianyungang Administration of Work Safety 連雲港市安全生產監督管理局  Lianyungang Statistical Bureau 連雲港市統計局
<b>Everbright Environmental Protection Solid Waste Treatment (Xinyi) Limited</b> 光大環保固廢處置(新沂)有限公司	Social Practice Base for University Student 大學生社會實踐基地	Jiangsu Normal University 江蘇師範大學
<b>Everbright Greentech Solid Waste Treatment (Chuzhou) Limited</b> 光大綠色環保固廢處置(滁州)有限公司	Dingyuan County Caring Company Award for Poverty Alleviation 定遠縣「扶貧濟困點亮心願」活動愛心企業	Organisation Department of Dingyuan County 中共定遠縣委組織部
<b>Everbright Greentech Hazardous Waste Treatment (Linshu) Limited</b> 光大綠色環保危廢處置(臨沭)有限公司	Advanced Enterprise of Foreign Trade 2017 2017年度外經貿工作先進企業	Linyi Municipal Bureau of Commerce 臨沂市商務局
<b>Everbright Biomass Energy (Huaiyuan) Limited</b> 光大生物能源(懷遠)有限公司	Anhui Province Excellent Energy Saving Unit 安徽省節能工作突出貢獻單位	Anhui Province Energy Saving and Climate Change Mitigation Group 安徽省節能減排及應對氣候變化工作領導 小組
<b>Everbright Biomass Energy (Suqian) Limited</b> 光大生物能源(宿遷)有限公司	Suqian City Green Enterprise Award for Environmental Credit 2017 宿遷市2017年度環保信用評價綠色企業	Suqian Environmental Protection Bureau 宿遷市環境保護局
<b>Lingbi Integrated Biomass and Waste-to-Energy Projects</b> 靈璧生物質及垃圾發電一體化項目	Excellent Construction in Chemical Engineering Industry 2018 2018年度化學工業優質工程	China National Association of Chemical Construction Enterprises 中國化工施工企業協會
<b>Everbright Biomass Energy (Lianshui) Limited</b> 光大生物能源(漣水)有限公司	Huaian City Demonstration Site of Standardised and Civilised Construction 淮安市建築施工標準化文明示範工地	Ministry of Housing and Urban-Rural Development of Huaian 淮安市住房和城鄉建設局
<b>Everbright Biomass Electricity and Heat Cogeneration Project (Luan) Limited</b> 光大生物熱電(六安)有限公司	Anhui Province Demonstration Site of Standardised Work Safety 安徽省建築安全生產標準化示範工地	Association of Quality and Safety in Construction Industry of Anhui 安徽省建設行業品質與安全協會



## VERIFICATION STATEMENT

### Scope and Objective

Hong Kong Quality Assurance Agency ("HKQAA") was commissioned by China Everbright Greentech Limited ("Everbright Greentech") to undertake an independent verification for the Sustainability Report 2018 (hereinafter called "the Report"). The Report stated the sustainability performance of Everbright Greentech in the period of 1<sup>st</sup> January 2018 to 31<sup>st</sup> December 2018 for its operations.

The aim of this verification is to provide a reasonable assurance on the reliability of the report contents. The Report has been prepared in accordance with the Global Reporting Initiatives ("GRI") Standards: Comprehensive option, the GRI G4 Electric Utilities Sector Disclosure document, as well as Rule 13.91 and Appendix 27 "Environmental, Social and Governance Reporting Guide ("ESG Guide")" of the Main Board Listing Rules of The Stock Exchange of Hong Kong Limited.

### Level of Assurance and Methodology

The process applied in this verification was based on the International Standard on Assurance Engagements 3000 (Revised), Assurance Engagements Other than Audits or Reviews of Historical Financial Information issued by the International Auditing and Assurance Standards Board. Our evidence gathering process was designed to obtain a reasonable level of assurance as set out in the standard for the purpose of devising the verification conclusion. The extent of this verification process undertaken covered the criteria set in the GRI Standards: Comprehensive option, the GRI G4 Electric Utilities Sector Disclosure document, and the ESG Guide.

The verification process included verifying the systems and processes implemented for collecting, calculating and reporting the sustainability performance information, reviewing relevant documentation, interviewing responsible personnel with accountability for preparing the reporting contents and verifying selected representative sample of data and information. Raw data and supporting evidence of the selected samples were also thoroughly examined during the verification process.

### Independence

Everbright Greentech is responsible for the collection and preparation of the information presented. HKQAA does not involve in the collection and calculation of data or the compilation of the reporting contents where HKQAA's verification activities were entirely independent from Everbright Greentech. There was no relationship between HKQAA and Everbright Greentech that would affect the independence of HKQAA for providing the verification service.

### Conclusion

Based on the verification results and in accordance with the verification procedures undertaken, HKQAA has obtained reasonable assurance and is in the opinion that:

- The Report has been prepared in accordance with the GRI Standards: Comprehensive option, the GRI G4 Electric Utilities Sector Disclosure document and the ESG Guide;
- The Report illustrates the sustainability performance of Everbright Greentech, covering all material aspects, in a balanced, comparable, clear and timely manner; and
- The data and information disclosed in the Report are reliable and complete.

Nothing has come to HKQAA's attention that the selected sustainability performance information and data contained in the Report has not been prepared and presented fairly and honestly, in all material aspects, in accordance with the verification criteria.

In conclusion, the Report reflects truthfully of Everbright Greentech's sustainability performance that is commensurate with the sustainability context and materiality of the company.

Signed on behalf of Hong Kong Quality Assurance Agency

Bryan Peng  
Assistant Director, Manufacturing and Service Business Division  
May 2019





## 核實聲明

### 範圍及目的

香港品質保證局已對中國光大綠色環保有限公司（「光大綠色環保」）二零一八年可持續發展報告（「報告」）的全部內容進行獨立驗證。該報告陳述了光大綠色環保於二零一八年一月一日至二零一八年十二月三十一日期間的業務，有關可持續發展方面工作的表現。

此核實聲明的目的是對報告所記載之內容提供合理保證。報告是根據全球報告倡議組織（GRI）的《可持續發展報告標準》的全面選項、GRI G4《電力行業披露》文件，及香港聯合交易所有限公司主板上市規則第13.91條及附錄二十七所載的《環境、社會及管治報告指引》的要求編制。

### 保證程度和核實方法

此次驗證工作是依據 International Auditing and Assurance Standards Board（國際審計與核證準則委員會）發佈的 International Standard on Assurance Engagements 3000 (Revised), Assurance Engagements Other than Audits or Reviews of Historical Financial Information（《國際核證聘用準則 3000（修訂版），歷史財務資料審計或審閱以外的核證聘用》）執行。收集核實證據的幅度是參考國際準則所訂定進行合理保證的原則而制定以確保能擬定核實結論。此外，核實的內容是按照 GRI 的《可持續發展報告標準》的全面選項、GRI G4《電力行業披露》文件，及《環境、社會及管治報告指引》而定。

核實過程包括驗證了光大綠色環保在收集、計算和彙報可持續發展表現資料的系統和程式，檢閱有關檔案資料，與負責編制報告內容的代表面談，選取具有代表性的數據和資料進行查核。相關原始數據和支援證據亦於核實過程中經過詳細審閱。

### 獨立性

光大綠色環保負責收集和準備所有在報告內陳述的資料。香港品質保證局不涉及收集和計算此報告內的數據或參與編撰此報告。香港品質保證局的核實過程是獨立於光大綠色環保。就提供此核實服務而言，香港品質保證局與光大綠色環保之間並無任何會影響香港品質保證局獨立性的關係。

### 結論

基於是次的核實結果，香港品質保證局對報告作出合理保證並總結：

- 報告是按照 GRI 的《可持續發展報告標準》的全面選項、GRI G4《電力行業披露》文件，及《環境、社會及管治報告指引》的要求編制；
- 報告平衡、清晰、具比較性和及時地將光大綠色環保的可持續發展表現包括所有重要的可持續發展範疇闡述；
- 報告內的數據和資料可靠完整。

根據驗證準則，香港品質保證局沒有發現在報告內闡述的可持續發展表現資訊和資料並非公平和如實地按照主要範疇作出披露。

總體而言，此報告能如實地反映光大綠色環保的可持續發展表現並與其具體的可持續發展情況和重要性相稱。

### 香港品質保證局代表簽署

彭文俊  
製造及服務科助理總監  
二零一九年五月

## Economic Performance 經濟表現

		2018 HK\$'000 港幣千元	2017 HK\$'000 港幣千元	2016 HK\$'000 港幣千元
<b>Direct Economic Value Generated</b> 產生的直接經濟價值				
Revenue	收益	7,001,820	4,581,352	3,000,131
Other Income	其他收益	158,664	118,376	67,897
<b>Economic Value Distributed</b> 分配的經濟價值				
Staff Costs	員工開支	446,230	167,400	104,659
Other Costs <sup>(1)</sup>	其他成本 <sup>(1)</sup>	4,551,562	3,012,872	1,980,752
Finance Costs	財務費用	202,384	125,565	67,715
Dividends	股息	258,260	185,947	–
Taxes <sup>(2)</sup>	稅項 <sup>(2)</sup>	89,472	49,788	45,202
Profit attributable to non-controlling interest	非控股權益應佔盈利	6,480	3,476	300
Charitable donations <sup>(3)</sup>	慈善捐款 <sup>(3)</sup>	1,435	1,668	–
<b>Economic Value Retained</b> 留存的經濟價值				
Retained for Everbright Greentech's sustainable operation and development	留存作光大綠色環保的可持續運營和發展	1,604,661	1,153,012	869,400

## Operational Performance 運營表現

		Unit 單位	2018	2017	2016
<b>Business Performance</b> 業務表現					
On-grid green electricity supplied	供應綠色上網電量	kWh 千瓦時	2,873,870,000	1,667,503,000	891,407,000
Steam supplied	蒸汽供應量	Tonne 噸	363,391	171,027	–
Household waste processed	生活垃圾處理量	Tonne 噸	881,254	249,212	73,526
Biomass raw materials processed	生物質原材料處理量	Tonne 噸	3,159,990	1,684,691	728,142
Hazardous and solid waste processed	危廢及固廢處置量	Tonne 噸	127,052	113,031	99,639
Leachate treated	滲濾液處理量	m <sup>3</sup> 立方米	143,676	57,555	Not applicable 不適用

Environmental Performance<sup>(4)</sup> 環境表現<sup>(4)</sup>

		Unit 單位	2018	2017	2016
<b>GHG Emissions<sup>(5)</sup></b>		<b>溫室氣體排放<sup>(5)</sup></b>			
Scope 1 (direct emissions)	範疇一 (直接排放)	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>964,172.83</b>	169,047.17	6,839.04
– incineration of household waste <sup>(6)</sup>	– 生活垃圾焚燒 <sup>(6)</sup>	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>930,577.09</b>	151,270.32	–
– combustion of biomass raw materials	– 生物質原材料燃燒	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>27,286.79</b>	16,915.30	6,839.04
– other sources	– 其他來源	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>6,308.95</b>	861.55	–
Scope 2 (energy indirect emissions)	範疇二 (能源引致的間接排放)	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>15,538.28</b>	8,657.40	1,006.25
Scope 3 (other indirect emissions) <sup>(7)</sup>	範疇三 (其他間接排放) <sup>(7)</sup>	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>6,960.64</b>	3,944.12	5,114.10
Total GHG emissions	溫室氣體排放總量	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>986,671.75</b>	181,648.69	12,959.39
GHG emissions intensity	溫室氣體排放強度	kg CO <sub>2</sub> e/kWh 公斤二氧化碳當量/千瓦時	<b>0.34</b>	0.11	0.01
GHG emissions offset	溫室氣體排放抵消量	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>2,553,619.77</b>	1,451,957.79	756,414.97
Net GHG emissions	淨溫室氣體排放量	Tonne CO <sub>2</sub> e 噸二氧化碳當量	<b>(1,566,948.02)</b>	(1,270,309.10)	(743,455.58)
Net GHG emissions intensity	淨溫室氣體排放強度	kg CO <sub>2</sub> e/kWh 公斤二氧化碳當量/千瓦時	<b>(0.55)</b>	(0.76)	(0.83)
<b>Key Air Emissions</b>		<b>主要煙氣排放</b>			
Particulate matter	顆粒物	Tonne 噸	<b>93.18</b>	86	37
Sulphur dioxide (SO <sub>2</sub> )	二氧化硫	Tonne 噸	<b>667.38</b>	630	217
Nitrogen oxides (NO <sub>x</sub> )	氮氧化物	Tonne 噸	<b>1,469.85</b>	1,320	598
<b>Direct Energy Consumption<sup>(8)</sup></b>		<b>直接耗用能源<sup>(8)</sup></b>			
Natural gas	天然氣	GJ 吉焦	<b>9,720.74</b>	7,996.97	Data not available 沒有相關數據
Diesel	柴油	GJ 吉焦	<b>88,811.40</b>	Data not available 沒有相關數據	Data not available 沒有相關數據
Gasoline	汽油	GJ 吉焦	<b>8,601.47</b>	Data not available 沒有相關數據	Data not available 沒有相關數據
Non-renewable electricity	非再生能源電力	GJ 吉焦	<b>77,971.48</b>	43,250.66	26,038.87
Renewable electricity	可再生電力	GJ 吉焦	<b>403,366.00</b>	401,720.85	193,465.64
Total energy consumed	總能源消耗量	GJ 吉焦	<b>588,471.09</b>	452,968.48	219,504.51
Energy intensity	能源強度	kJ/kWh 千焦/千瓦時	<b>204.77</b>	266.85	246.24
<b>Water Consumption</b>		<b>耗水</b>			
Total water consumed	總耗水量	m <sup>3</sup> 立方米	<b>6,533,951.98</b>	4,467,769.59	272,319.34
Water intensity	耗水強度	m <sup>3</sup> /kWh 立方米/千瓦時	<b>0.0023</b>	0.0027	0.0003

		Unit 單位	2018	2017	2016
<b>Hazardous Waste Generated</b>		<b>有害廢棄物產生</b>			
Fly ash generated from integrated biomass utilisation projects (waste-to-energy)	生物質綜合利用項目(垃圾發電)所產生的飛灰	Tonne 噸	<b>31,879.55</b>	10,767.14	Not applicable 不適用
Fly ash and bottom ash generated from hazardous waste incineration projects	危廢焚燒項目所產生的飛灰及爐渣	Tonne 噸	<b>7,633.81</b>	6,578.15	Data not available 沒有相關數據
Total hazardous waste generated	有害廢棄物產生總量	Tonne 噸	<b>39,513.36</b>	17,345.29	Data not available 沒有相關數據
Hazardous waste intensity	有害廢棄物強度	Tonne/MWh 噸/兆瓦時	<b>0.01</b>	0.01	Data not available 沒有相關數據
<b>Non-Hazardous Waste Generated</b>		<b>無害廢棄物產生</b>			
Furnace ash generated from integrated biomass utilisation projects (biomass)	生物質綜合利用項目(生物質)所產生的爐灰	Tonne 噸	<b>163,431.90</b>	92,644.69	9,320.04
Bottom ash generated from integrated biomass utilisation projects	生物質綜合利用項目所產生的爐渣	Tonne 噸	<b>642,060.71</b>	257,265.79	12,592.45
Office waste	辦公室廢棄物	Tonne 噸	<b>57.22</b>	Data not available 沒有相關數據	Data not available 沒有相關數據
Total non-hazardous waste generated	無害廢棄物總量	Tonne 噸	<b>805,549.84</b>	349,910.48	21,912.49
Non-hazardous waste intensity	無害廢棄物強度	Tonne/MWh 噸/兆瓦時	<b>0.28</b>	0.21	0.02

Social Performance<sup>(4)</sup> 社會表現<sup>(4)</sup>Employee Profile<sup>(9)</sup> 員工概況<sup>(9)</sup>

		2018	2017	2016
<b>Total Number of Employees</b>	<b>員工總數</b>	<b>2,506</b>	<b>1,781</b>	<b>435</b>
<b>By Gender</b>	<b>按性別劃分</b>			
Male	男性	1,984	1,420	349
Female	女性	522	361	86
<b>By Age</b>	<b>按年齡劃分</b>			
30 and below	30歲及以下	1,302	980	240
31-40	31 – 40歲	911	575	149
41-50	41 – 50歲	254	197	38
51 and above	51歲及以上	39	29	8
<b>By Employee Ranking</b>	<b>按員工職級劃分</b>			
Senior management	高級管理人員	93	66	19
Middle-level management	中層管理人員	355	249	49
General and technical staff	一般及技術員工	2,058	1,466	367
<b>By Geographical Region</b>	<b>按地區劃分</b>			
Mainland China	中國內地	2,490	1,768	435
Hong Kong	香港	16	13	Data not available 沒有相關數據
Local employees <sup>(10)</sup>	本地員工 <sup>(10)</sup>	1,712	1,260	342
Foreign employees <sup>(10)</sup>	外地員工 <sup>(10)</sup>	794	521	93
<b>By Ethnicity</b>	<b>按民族劃分</b>			
Han	漢族	2,476	1,757	419
Ethnic minorities	少數族裔	30	24	16

## New Hires and Employee Turnover 新聘及離職員工

		2018		2017		2016	
		Total number of persons 總人數	Percentage of employees in this category 佔該類別員工百分比	Total number of persons 總人數	Percentage of employees in this category 佔該類別員工百分比	Total number of persons 總人數	Percentage of employees in this category 佔該類別員工百分比
<b>Total Number of New Hires</b>	<b>新聘員工總數</b>	<b>1,028</b>	<b>41.02%</b>	836	46.94%	112	25.75%
<b>By Gender</b>	<b>按性別劃分</b>						
Male	男性	814	41.03%	683	48.10%	90	25.79%
Female	女性	214	41.00%	153	42.38%	22	25.58%
<b>By Age</b>	<b>按年齡劃分</b>						
30 and below	30歲及以下	626	48.08%	540	55.10%	69	28.75%
31-40	31-40歲	346	37.98%	229	39.83%	35	23.49%
41-50	41-50歲	50	19.69%	67	34.01%	6	15.79%
51 and above	51歲及以上	6	15.38%	0	0.00%	2	25.00%
<b>By Geographical Region</b>	<b>按地區劃分</b>						
Mainland China	中國內地	1,027	41.24%	833	47.12%	112	25.75%
Hong Kong	香港	1	6.25%	3	23.08%	Data not available 沒有相關數據	Data not available 沒有相關數據
Local employees <sup>(10)</sup>	本地員工 <sup>(10)</sup>	766	44.74%	575	45.63%	86	25.15%
Foreign employees <sup>(10)</sup>	外地員工 <sup>(10)</sup>	262	33.00%	261	50.10%	26	27.96%
<b>Total Number of Employee Turnovers (Resigned/Retired)</b>	<b>員工流失(離職/退休)總數</b>	<b>264</b>	<b>10.53%</b>	142	7.97%	27	6.21%
<b>By Gender</b>	<b>按性別劃分</b>						
Male	男性	212	10.69%	114	8.03%	20	5.73%
Female	女性	52	9.96%	28	7.76%	7	8.14%
<b>By Age</b>	<b>按年齡劃分</b>						
30 and below	30歲及以下	159	12.21%	86	8.78%	15	6.25%
31-40	31-40歲	82	9.00%	42	7.30%	9	6.04%
41-50	41-50歲	21	8.27%	14	7.11%	3	7.89%
51 and above	51歲及以上	2	5.13%	0	0.00%	0	0.00%
<b>By Geographical Region</b>	<b>按地區劃分</b>						
Mainland China	中國內地	264	10.60%	140	7.92%	27	6.21%
Hong Kong	香港	0	0.00%	2	13.38%	Data not available 沒有相關數據	Data not available 沒有相關數據

## Training and Development 培訓及發展

		2018 Hours 小時	2017 Hours 小時	2016 Hours 小時
<b>Total Training Hours</b>	<b>總培訓時數</b>	<b>261,573.90</b>	155,738.00	16,876.00
<b>Average Training Hours Per Employee</b>	<b>員工平均培訓時數</b>	<b>104.38</b>	87.44	38.80
<b>By Gender</b>	<b>按性別劃分</b>			
Male	男性	<b>114.29</b>	90.75	39.51
Female	女性	<b>66.73</b>	74.46	35.90
<b>By Employee Ranking</b>	<b>按員工職級劃分</b>			
Senior management	高級管理人員	<b>55.20</b>	27.52	52.00
Middle-level management	中層管理人員	<b>52.61</b>	21.61	37.78
General and technical staff	一般及技術員工	<b>115.53</b>	101.32	38.10

## Health and Safety 健康與安全

		2018	2017	2016
<b>Employees</b>	<b>員工</b>			
Number of work-related fatalities	因工死亡個案	<b>1</b>	0	0
Rate of work-related fatalities <sup>(11)</sup>	因工死亡率 <sup>(11)</sup>	<b>0.04</b>	0	0
Number of high-consequence work-related injuries (excluding fatalities) <sup>(12)</sup>	嚴重工傷個案 (不包括死亡個案) <sup>(12)</sup>	<b>1</b>	0	0
Rate of high-consequence work-related injuries (excluding fatalities) <sup>(13)</sup>	嚴重工傷率 (不包括死亡個案) <sup>(13)</sup>	<b>0.04</b>	0	0
Number of occupational diseases	職業病個案	<b>0</b>	0	0
Number of work-related injuries <sup>(14)</sup>	工傷個案 <sup>(14)</sup>	<b>6</b>	4	0
Rate of work-related injuries <sup>(15)</sup>	工傷率 <sup>(15)</sup>	<b>0.25</b>	0.22	0
Days of absence from work due to work-related injury	因工傷缺勤日數	<b>237</b>	199	0
<b>Third-Party Contractors and Sub-Contractors Working Onsite</b>	<b>第三方承包商及 分包商駐場工人</b>			
Number of work-related fatalities	因工死亡個案	<b>0</b>	0	0
Rate of work-related fatalities <sup>(11)</sup>	因工死亡率 <sup>(11)</sup>	<b>0</b>	0	0
Number of high-consequence work-related injuries (excluding fatalities) <sup>(12)</sup>	嚴重工傷個案 (不包括死亡個案) <sup>(12)</sup>	<b>0</b>	0	0
Rate of high-consequence work-related injuries (excluding fatalities) <sup>(13)</sup>	嚴重工傷率 (不包括死亡個案) <sup>(13)</sup>	<b>0</b>	0	0
Number of occupational diseases	職業病個案	<b>0</b>	0	0
Number of work-related injuries <sup>(14)</sup>	工傷個案 <sup>(14)</sup>	<b>3</b>	2	1
Rate of work-related injuries <sup>(15)</sup>	工傷率 <sup>(15)</sup>	<b>0.18</b>	0.15	0.35
Days of absence from work due to work-related injury	因工傷缺勤日數	<b>13</b>	45	28

## Notes 附註：

- (1) Represents other costs, share of profits of joint ventures and share of loss of associates but excludes depreciation and amortisation for the year.  
代表年度的其他成本、所佔合營企業盈利及所佔聯營公司虧損，但不包括年度的折舊及攤銷。
- (2) Represents current income tax but excludes deferred tax for the year.  
代表本期所得稅，但不包括本年度的遞延稅項。
- (3) All donations in 2018 are in cash.  
二零一八年所有捐款均為現金。
- (4) Due to rounding, the numbers may not add up to total, and there may be a slight discrepancy between the items of the statistics table and the relevant analysed data as shown in other chapters of the Report.  
由於捨入關係，數值加起來可能不等於總計，而數據表內個別項目的數字經分析計算後可能與本報告其他章節內的相關數據略有出入。
- (5) The calculation of GHG emissions and offset is referenced to CDM methodologies "ACM0018: Electricity Generation from Biomass Residues in Power-Only Plants (Version 3.0)", "ACM0006: Electricity and Heat Generation from Biomass (Version 14.0)", "AMS-I.C.: Thermal Energy Production With or Without Electricity (Version 20.0)", and "ACM0022: Alternative Waste Treatment Processes (Version 2.0)".  
溫室氣體的排放及抵消的計算參照CDM方法《ACM0018：純發電廠利用生物廢棄物發電（3.0版）》、《ACM0006：生物質熱電聯供（14.0版）》、《AMS-I.C.：電力或非電力用戶提供熱能（20.0版）》及《ACM0022：多選垃圾處理方式（2.0版）》。
- (6) GHG emissions (scope 1) from the incineration of household waste are calculated based on the fraction of fossil carbon in total carbon content of the household waste. The amount of such GHG emissions may substantially fluctuate from time to time due to the varying composition of the received household waste, which is beyond Everbright Greentech's control.  
生活垃圾焚燒引致的溫室氣體排放（範疇一）以生活垃圾中化石碳佔總碳的比例為計算基礎。因此，生活垃圾成分的差異可對此溫室氣體排放不時造成大幅波動，這不屬於光大綠色環保的控制範圍之內。
- (7) GHG emissions from air travel by employees are calculated by International Civil Aviation Organisation Carbon Emissions Calculator.  
員工飛機差旅的溫室氣體排放以國際民航組織的碳排放計算器計算得出。
- (8) Relevant energy conversion factors from "China Energy Statistics 2017" are adopted.  
能量轉換計算採用《中國能源統計年鑒2017》的相關能量轉換因子。
- (9) Data as of 31 December 2018.  
數據截至二零一八年十二月三十一日。
- (10) Employees hired from the same province in Mainland China are regarded as local employees, whereas the employees hired from other provinces in Mainland China are regarded as foreign employees.  
在中國內地同省受聘的員工被視為本地員工，而在中國內地外省受聘的員工則被視為外地員工。
- (11) Rate of work-related fatalities = (Total number of work-related fatalities/Total working hours) × 200,000  
因工死亡率 = (因工傷所造成的死亡個案總計 / 工作總時數) × 200,000
- (12) High-consequence work-related injuries (excluding fatalities) refer to work-related injuries from which the worker cannot, does not, or is not expected to recover fully to pre-injury health status within 6 months.  
嚴重工傷（不包括死亡個案）是指導工作者無法或難於六個月內恢復至受傷前健康狀態的工傷。
- (13) Rate of high-consequence work-related injuries (excluding fatalities) = (Total number of high-consequence work-related injuries (excluding fatalities)/Total working hours) × 200,000  
嚴重工傷率（不包括死亡個案） = (嚴重工傷個案總計（不包括死亡個案） / 工作總時數) × 200,000
- (14) Work-related injuries also include work-related fatalities and high-consequence work-related injuries.  
工傷亦包含因工死亡及嚴重工傷。
- (15) Rate of work-related injuries = (Total number of work-related injuries/Total working hours) × 200,000  
工傷率 = (工傷個案總計 / 工作總時數) × 200,000





For the Materiality Disclosures Service, GRI Services reviewed that the GRI content index is clearly presented and the references for Disclosures 102-40 to 102-49 align with appropriate sections in the body of the Report. This service was performed on the English version of the Report.

GRI於本次實質性披露服務確認GRI內容索引清晰，披露項102-40至102-49亦與本報告相應的章節相符。本次服務按本報告的英文版本進行。

Disclosure Number 披露編號	Description 描述	Relevant Chapter(s) or Other References/Explanation 有關章節或其他參考/說明	Page Number 頁數
<b>GRI 101: FOUNDATION 基礎 2016</b>			
GRI 101 does not include any disclosures 不包含任何揭露			
<b>GRI 102: GENERAL DISCLOSURES 一般揭露 2016</b>			
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102-28	Evaluating the highest governance body's performance 最高治理單位的績效評估	Sustainable Development Approach; Annual Report 2018 可持續發展方針；《二零一八年年報》	21-25
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102-49	Changes in reporting 報導改變	Engaging Stakeholders 持份者的參與	40-42
102-50	Reporting period 報導期間	About this Report 關於本報告	3
102-51	Date of most recent report 上一次報告書的日期	About this Report 關於本報告	3
102-52	Reporting cycle 報導週期	About this Report 關於本報告	3
102-53	Contact point for questions regarding the report 可回答報告書相關問題的聯絡人	About this Report 關於本報告	3
102-54	Claims of reporting in accordance with the GRI Standards 依循GRI準則報導的宣告	About this Report 關於本報告	3
102-55	GRI content index GRI 內容索引	Appendix I – GRI Content Index 附錄 I – GRI 內容索引	111-118
102-56	External assurance 外部保證/確信	Verification Statement 審核聲明	102-103

## Topic-specific Standard 特定主題準則

Disclosure Number 披露編號	Description 描述	Relevant chapter(s) or Other References/Explanation 有關章節或其他參考/說明	Page number 頁數
<b>GRI 200: ECONOMIC 經濟</b>			
<b>Economic Performance 經濟績效</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Message from CEO 總裁寄語	4-7
103-3	Evaluation of the management approach 管理方針的評估	Message from CEO 總裁寄語	4-7
<b>GRI 201: Economic Performance 經濟績效 2016</b>			
201-1	Direct economic value generated and distributed 組織所產生及分配的直接經濟價值	Key Statistics 主要數據	104
201-2	Financial implications and other risks and opportunities due to climate change 氣候變遷所產生的財務影響及其它風險與機會	Excelling in Environmental Management 卓越環境管理	47-61
201-3	Defined benefit plan obligations and other retirement plans 定義福利計劃義務与其它退休計劃	Enriching Talent Pool 豐富人才資本	73
201-4	Financial assistance received from government 自政府取得之財務補助	About Us 關於我們	19
<b>Market Presence 市場地位</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Message from CEO; About Us 總裁寄語：關於我們	4-7, 9-13
103-3	Evaluation of the management approach 管理方針的評估	Message from CEO; About Us 總裁寄語：關於我們	4-7, 9-13
<b>GRI 202: Market Presence 市場地位 2016</b>			
202-1	Ratios of standard entry level wage by gender compared to local minimum wage 不同性別的基層人員標準薪資與當地最低薪資的比率	The compensation of all of our employees is higher than the minimum wage. 我們所有員工的工資均高於當地最低工資要求。	-
202-2	Proportion of senior management hired from the local community 雇用當地居民為高階管理階層的比例	Enriching Talent Pool 豐富人才資本	65

Disclosure Number 披露編號	Description 描述	Relevant chapter(s) or Other References/Explanation 有關章節或其他參考/說明	Page number 頁數
<b>Research and Development 科研及開發</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Message from CEO 總裁寄語	6
103-3	Evaluation of the management approach 管理方針的評估	Message from CEO 總裁寄語	6
<b>GRI 300: ENVIRONMENTAL 環境</b>			
<b>Materials 物料</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Excelling in Environmental Management 卓越環境管理	53-54
103-3	Evaluation of the management approach 管理方針的評估	Excelling in Environmental Management 卓越環境管理	53-54
<b>GRI 301: Materials 物料 2016</b>			
301-1	Materials used by weight or volume 使用物料的總重量或體積	Excelling in Environmental Management 卓越環境管理	54
301-2	Recycled input materials used 使用的可再生物料	Key Statistics 主要數據	105
301-3	Reclaimed products and their packaging materials 回收產品及其包材	Packaging materials and product recall are not applicable for Everbright Greentech's business operations. 光大綠色環保的業務不涉及包裝材料及產品回收。	–
<b>Energy 能源</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Excelling in Environmental Management 卓越環境管理	53-54
103-3	Evaluation of the management approach 管理方針的評估	Excelling in Environmental Management 卓越環境管理	53-54

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<b>GRI 302: Energy 能源 2016</b>			
302-1	Energy consumption within the organization 組織內部的能源消耗量	Excelling in Environmental Management 卓越環境管理	53
302-2	Energy consumption outside the organization 組織外部的能源消耗量	Excelling in Environmental Management 卓越環境管理	53
302-3	Energy intensity 能源密集度	Key Statistics 主要數據	105
302-4	Reduction of energy consumption 減少能源消耗	Excelling in Environmental Management 卓越環境管理	53-54
302-5	Reductions in energy requirements of products and services 降低產品和服務的能源需求	Excelling in Environmental Management 卓越環境管理	53-54
<b>Effluents and Waste 廢污水和廢棄物</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Excelling in Environmental Management 卓越環境管理	54-61
103-3	Evaluation of the management approach 管理方針的評估	Excelling in Environmental Management 卓越環境管理	54-61
<b>GRI 306: Effluents and Waste 廢污水和廢棄物 2016</b>			
306-1	Water discharge by quality and destination 依水質及排放目的地所劃分的排放水量	Excelling in Environmental Management 卓越環境管理	55
306-2	Waste by type and disposal method 按類別及處置方法劃分的廢棄物	Excelling in Environmental Management 卓越環境管理	56-57
306-3	Significant spills 嚴重洩漏	Excelling in Environmental Management 卓越環境管理	54
306-4	Transport of hazardous waste 廢棄物運輸	Excelling in Environmental Management 卓越環境管理	58
306-5	Water bodies affected by water discharges and/or runoff 受放流水及其它(地表)逕流排放而影響的水體	Excelling in Environmental Management 卓越環境管理	54-55
<b>Environmental Compliance 有關環境保護的法規遵循</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Excelling in Environmental Management 卓越環境管理	47-61
103-3	Evaluation of the management approach 管理方針的評估	Excelling in Environmental Management 卓越環境管理	47-61
<b>GRI 307: Environmental Compliance 有關環境保護的法規遵循 2016</b>			
307-1	Non-compliance with environmental laws and regulations 違反環保法規	Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Greentech 附錄III – 對光大綠色環保有重大影響的相關法律及規例的遵守情況	124-128

Disclosure Number 披露編號	Description 描述	Relevant chapter(s) or Other References/Explanation 有關章節或其他參考/說明	Page number 頁數
<b>GRI 400: SOCIAL 社會</b>			
<b>Employment 勞雇關係</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Enriching Talent Pool 豐富人才資本	63-76
103-3	Evaluation of the management approach 管理方針的評估	Enriching Talent Pool 豐富人才資本	63-76
<b>GRI 401: Employment 勞雇關係 2016</b>			
401-1	New employee hires and employee turnover 新進員工和離職員工	Enriching Talent Pool 豐富人才資本	66-67
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees 提供給全職員工(不包含臨時或兼職員工)的福利	Enriching Talent Pool 豐富人才資本	73
401-3	Parental leave 育嬰假	Enriching Talent Pool 豐富人才資本	74
<b>Electric Utilities Sector Disclosures 電力行業披露</b>			
EU15	Percentage of employees eligible to retire in the next 5 and 10 years broken by job category and by region 按地區和性質劃分未來5年及10年符合資格退休的僱員比例	Enriching Talent Pool 豐富人才資本	68
EU17	Days worked by contractor and subcontractor employees involved in construction, operation & maintenance activities 參與建設、運營及維護的承包商及分包商僱員的工作天數	Enriching Talent Pool 豐富人才資本	78
EU18	Percentage of contractor and subcontractor employees that have undergone relevant health and safety training 接受相關健康與安全培訓的承包商及分包商僱員的比例	Enriching Talent Pool 豐富人才資本	76-85
<b>Occupational Health and Safety 職業安全衛生</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Enriching Talent Pool 豐富人才資本	76-85
103-3	Evaluation of the management approach 管理方針的評估	Enriching Talent Pool 豐富人才資本	76-85

Disclosure Number 披露編號	Description 描述	Relevant chapter(s) or Other References/Explanation 有關章節或其他參考/說明	Page number 頁數
<b>GRI 403: Occupational Health and Safety 職業安全衛生 2018</b>			
403-1	Occupational health and safety management system 職業安全衛生管理系統	Enriching Talent Pool 豐富人才資本	76-85
403-2	Hazard identification, risk assessment, and incident investigation 危害辨識、風險評估、及事故調查	Enriching Talent Pool 豐富人才資本	76-85
403-3	Occupational health services 職業健康服務	Enriching Talent Pool 豐富人才資本	76-85
403-4	Worker participation, consultation, and communication on occupational health and safety 有關職業安全衛生之工作者參與、諮商與溝通	Enriching Talent Pool 豐富人才資本	76-85
403-5	Worker training on occupational health and safety 有關職業安全衛生之工作者訓練	Enriching Talent Pool 豐富人才資本	82
403-6	Promotion of worker health 工作者健康促進	Enriching Talent Pool 豐富人才資本	76-85
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships 預防和減輕與業務關係直接相關聯之職業安全衛生的衝擊	Enriching Talent Pool 豐富人才資本	76-85
403-8	Workers covered by an occupational health and safety management system 職業安全衛生管理系統所涵蓋之工作者	Enriching Talent Pool 豐富人才資本	76-85
403-9	Work-related injuries 職業傷害	Key Statistics 主要數據	109
403-10	Work-related ill health 職業病	Key Statistics 主要數據	109
<b>Disaster/Emergency Planning and Response 災難/緊急應變計劃</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
103-1	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Engaging Stakeholders 持份者的參與	41-42
103-2	The management approach and its components 管理方針及其要素	Enriching Talent Pool 豐富人才資本	76-85
103-3	Evaluation of the management approach 管理方針的評估	Enriching Talent Pool 豐富人才資本	76-85
<b>Electric Utilities Sector Disclosures 電力行業披露</b>			
EU1	Installed capacity, broken down by primary energy source and by regulatory regime 按一次能源細分的裝機容量	About Us 關於我們	9-15
EU2	Net energy output broken down by primary energy source and by regulatory regime 按一次能源細分的淨能源輸出	About Us 關於我們	9-15
EU3	Number of residential, industrial, institutional and commercial customer accounts 機構及商業客戶賬戶數目	As of 31 December 2018, the Group had a total of 27 government customers who purchased electricity from us. 截至二零一八年十二月三十一日，本集團共有27個向我們購買電力的政府客戶。	-
EU4	Length of above and underground transmission and distribution lines by regulatory regime 地上及地下輸電及配電線路長度	About Us 關於我們	15
EU5	Allocation CO <sub>2</sub> e emissions allowances or equivalent, broken down by carbon trading framework 按碳交易框架細分的二氧化碳當量排放量配額	We did not participate in carbon emissions trading scheme during the Reporting Period. 我們於報告期內沒有參與任何碳排放交易計劃。	-



Subject Areas, Aspects, General Disclosures and KPIs	Description	Relevant Chapter(s) or other references/Explanation
主要範疇、層面、一般披露及關鍵績效指標	描述	有關章節或其他說明
<b>A. ENVIRONMENT 環境</b>		
<b>Aspect A1: Emissions 層面 A1: 排放物</b>		
<b>General Disclosure 一般披露</b>	<p>Information on:</p> <p>(a) the policies; and</p> <p>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.</p> <p>有關廢氣及溫室氣體排放、向水及土地的排污、有害及無害廢棄物的產生等的：</p> <p>(a) 政策；及</p> <p>(b) 遵守對發行人有重大影響的相關法律及規例的資料。</p>	<p>Excelling in Environmental Management 卓越環境管理</p> <p>Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Greentech 附錄III – 對光大綠色環保有重大影響的相關法律及規例的遵守情況</p>
<b>KPI A1.1</b>	<p>The types of emissions and respective emissions data. 排放物種類及相關排放數據。</p>	<p>Excelling in Environmental Management 卓越環境管理 Key Statistics 主要數據</p>
<b>KPI A1.2</b>	<p>Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 溫室氣體總排放量（以噸計算）及（如適用）密度（如以每產量單位、每項設施計算）。</p>	<p>Excelling in Environmental Management 卓越環境管理</p>
<b>KPI A1.3</b>	<p>Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生有害廢棄物總量（以噸計算）及（如適用）密度（如以每產量單位、每項設施計算）。</p>	<p>Key Statistics 主要數據</p>
<b>KPI A1.4</b>	<p>Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生無害廢棄物總量（以噸計算）及（如適用）密度（如以每產量單位、每項設施計算）。</p>	<p>Key Statistics 主要數據</p>
<b>KPI A1.5</b>	<p>Description of measures to mitigate emissions and results achieved. 描述減低排放量的措施及所得成果。</p>	<p>Excelling in Environmental Management 卓越環境管理</p>
<b>KPI A1.6</b>	<p>Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved. 描述處理有害及無害廢棄物的方法、減低產生量的措施及所得成果。</p>	<p>Excelling in Environmental Management 卓越環境管理</p> <p>Hazardous waste mainly comprises fly ash generated from the incineration of household waste. The amount of fly ash is highly dependent on the quantity and composition of household waste received, which are beyond Everbright Greentech's control. 有害廢棄物主要包括焚燒生活垃圾所產生的飛灰。飛灰的數量主要取決於接收生活垃圾的數量及成分。而這些因素均不在光大綠色環保的控制範圍之內。</p>

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Description 描述	Relevant Chapter(s) or other references/Explanation 有關章節或其他說明
<b>Aspect A2: Use of Resources 層面 A2: 資源使用</b>		
<b>General Disclosure 一般披露</b>	Policies on the efficient use of resources, including energy, water and other raw materials. 有效使用資源（包括能源、水及其他原材料）的政策。	Excelling in Environmental Management 卓越環境管理
<b>KPI A2.1</b>	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility). 按類型劃分的直接及／或間接能源（如電、氣或油）總耗量（以千個千瓦時計算）及密度（如以每產量單位、每項設施計算）。	Excelling in Environmental Management 卓越環境管理 Key Statistics 主要數據
<b>KPI A2.2</b>	Water consumption in total and intensity (e.g. per unit of production volume, per facility). 總耗水量及密度（如以每產量單位、每項設施計算）。	Excelling in Environmental Management 卓越環境管理 Key Statistics 主要數據
<b>KPI A2.3</b>	Description of energy use efficiency in initiatives and results achieved. 描述能源使用效益計劃及所得成果。	Excelling in Environmental Management 卓越環境管理
<b>KPI A2.4</b>	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved. 描述求取適用水源上可有任何問題，以及提升用水效益計劃及所得成果。	Excelling in Environmental Management 卓越環境管理 Regarding water sourcing, all of the Group's projects under construction and operation have obtained the respective environmental impact assessment approvals and water-drawing permits. There are no issues related to sourcing water that is fit for purpose. 在取水方面，本集團的所有在建及運營項目均已獲得相關的環評批覆及取水證，我們在獲得適用水源上沒有發現任何問題。
<b>KPI A2.5</b>	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. 製成品所用包裝材料的總量（以噸計算）及（如適用）每生產單位佔量。	Our services do not involve the use of packaging materials. 我們的服務並不涉及包裝材料的使用。
<b>Aspect A3: The Environment and Natural Resources 層面 A3 : 環境及天然資源</b>		
<b>General Disclosure 一般披露</b>	Policies on minimising the issuer's significant impact on the environment and natural resources. 減低發行人對環境及天然資源造成重大影響的政策。	Excelling in Environmental Management 卓越環境管理
<b>KPI A3.1</b>	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them. 描述業務活動對環境及天然資源的重大影響及已採取管理有關影響的行動。	Excelling in Environmental Management 卓越環境管理
<b>B. SOCIAL 社會</b>		
<b>Employment and Labour Practices 僱傭及勞工常規</b>		
<b>Topic B1: Employment 層面 B1 : 僱傭</b>		
<b>General Disclosure 一般披露</b>	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare. 有關薪酬及解僱、招聘及晉升、工作時數、假期、平等機會、多元化、反歧視以及其他待遇及福利的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	Enriching Talent Pool 豐富人才資本 Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Greentech 附錄III – 對光大綠色環保有重大影響的相關法律及規例的遵守情況
<b>KPI B1.1</b>	Total work force by gender, employment type, age group and geographical region. 按性別、僱傭類型、年齡組別及地區劃分的僱員總數。	Enriching Talent Pool 豐富人才資本 Key Statistics 主要數據
<b>KPI B1.2</b>	Employee turnover rate by gender, age group and geographical region. 按性別、年齡組別及地區劃分的僱員流失比率。	Enriching Talent Pool 豐富人才資本 Key Statistics 主要數據

Subject Areas, Aspects, General Disclosures and KPIs	Description	Relevant Chapter(s) or references/Explanation
主要範疇、層面、 一般披露及關鍵 績效指標	描述	有關章節或其他說明
<b>Aspect B2: Health and Safety 層面B2：健康與安全</b>		
<b>General Disclosure</b> 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.  有關提供安全工作環境及保障僱員避免職業性危害的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	Enriching Talent Pool 豐富人才資本 Sustainable Development Approach 可持續發展方針  Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Greentech 附錄III – 對光大綠色環保有重大影響的相關法律及規例的遵守情況
<b>KPI B2.1</b>	Number and rate of work-related fatalities. 因工作關係而死亡的人數及比率。	Key Statistics 主要數據
<b>KPI B2.2</b>	Lost days due to work injury. 因工傷損失工作日數。	Key Statistics 主要數據
<b>KPI B2.3</b>	Description of occupational health and safety measures adopted, how they are implemented and monitored. 描述所採納的職業健康與安全措施，以及相關執行及監察方法。	Enriching Talent Pool 豐富人才資本
<b>Aspect B3: Development and Training 層面B3：發展及培訓</b>		
<b>General Disclosure</b> 一般披露	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. 有關提升僱員履行工作職責的知識及技能的政策。描述培訓活動。	Enriching Talent Pool 豐富人才資本
<b>KPI B3.1</b>	The percentage of employees trained by gender and employee category (e.g. senior management, middle management). 按性別及僱員類別（如高級管理層、中級管理層等）劃分的受訓僱員百分比。	Enriching Talent Pool 豐富人才資本
<b>KPI B3.2</b>	The average training hours completed per employee by gender and employee category. 按性別及僱員類別劃分，每名僱員完成受訓的平均時數。	Enriching Talent Pool 豐富人才資本 Key Statistics 主要數據
<b>Aspect B4: Labour Standards 層面B4：勞工準則</b>		
<b>General Disclosure</b> 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.  有關防止童工或強制勞工的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	Enriching Talent Pool 豐富人才資本  Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Greentech 附錄III – 對光大綠色環保有重大影響的相關法律及規例的遵守情況
<b>KPI B4.1</b>	Description of measures to review employment practices to avoid child and forced labour. 描述檢討招聘慣例的措施以避免童工及強制勞工。	The Group regularly reviews its employment practice to ensure compliance with applicable laws and regulations in preventing child and forced labour.  本集團定期檢討其招聘措施以確保遵守適用於有關避免童工及強制勞工的法律及規例。
<b>KPI B4.2</b>	Description of steps taken to eliminate such practices when discovered. 描述在發現違規情況時消除有關情況所採取的步驟。	The Group has zero tolerance towards such practice. Violations are subject to internal disciplinary actions or handled by relevant authorities.  本集團並不容忍此違規情況。如有發現，將根據內部處分或交給有關部門處理。

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Description 描述	Relevant Chapter(s) or other references/Explanation 有關章節或其他說明
<b>Operating Practices 運營慣例</b>		
<b>Aspect B5: Supply Chain Management 層面B5：供應鏈管理</b>		
<b>General Disclosure 一般披露</b>	Policies on managing environmental and social risks of the supply chain. 管理供應鏈的環境及社會風險政策。	Sustainable Development Approach 可持續發展方針
<b>KPI B5.1</b>	Number of suppliers by geographical region. 按地區劃分的供應商數目。	Sustainable Development Approach 可持續發展方針
<b>KPI B5.2</b>	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored. 描述有關聘用供應商的慣例，向其執行有關慣例的供應商數目，以及有關慣例的執行及監察方法。	Sustainable Development Approach 可持續發展方針
<b>Aspect B6: Product Responsibility 層面B6：產品責任</b>		
<b>General Disclosure 一般披露</b>	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress. 有關所提供產品和服務的健康與安全、廣告、標籤及私隱事宜以及補救方法的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	Sustainable Management Approach 可持續發展方針 Excelling in Environmental Management 卓越環境管理 Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Greentech 附錄III – 對光大綠色環保有重大影響的相關法律及規例的遵守情況 The Group has not identified material concerns in its operations regarding advertising and labelling matters, thus dedicated policies are not in place. 本集團並未發現營運中有關廣告及標籤事宜的重大問題，故此，我們並無相關專門政策。 There are no laws and regulations that have a significant impact on the Group regarding advertising and labelling matters relating to products and services provided by the Group. 本集團並無有關廣告及標籤事宜的相關法律及規例對其構成重大影響。
<b>KPI B6.1</b>	Percentage of total products sold or shipped subject to recalls for safety and health reasons. 已售或已運送產品總數中因安全與健康理由而須回收的百分比。	Recall is not applicable as our major products are green electricity. 我們主要的產出物為清潔能源，因此不涉及回收措施。
<b>KPI B6.2</b>	Number of products and service related complaints received and how they are dealt with. 接獲關於產品及服務的投訴數目以及應對方法。	We did not have products recalled for safety and health reasons in 2018. 我們於二零一八年沒有因安全與健康理由而須回收產品。
<b>KPI B6.3</b>	Description of practices relating to observing and protecting intellectual property rights. 描述與維護及保障知識產權有關的慣例。	Sustainable Development Approach 可持續發展方針
<b>KPI B6.4</b>	Description of quality assurance process and recall procedures. 描述質量檢定過程及產品回收程序。	Sustainable Development Approach 可持續發展方針 Excelling in Environmental Management 卓越環境管理 Due to the specific nature of the Group's professional environmental protection service business, recall procedures are not applicable to our products and services provided. 本集團業務性質為專業環保服務，當中並沒有適用的產品及服務回收程序。
<b>KPI B6.5</b>	Description of consumer data protection and privacy policies, how they are implemented and monitored. 描述消費者資料保障及私隱政策，以及相關執行及監察方法。	Sustainable Development Approach 可持續發展方針

Subject Areas, Aspects, General Disclosures and KPIs	Description	Relevant Chapter(s) or other references/Explanation
主要範疇、層面、一般披露及關鍵績效指標	描述	有關章節或其他說明
<b>Aspect B7: Anti-corruption 層面B7：反貪污</b>		
<b>General Disclosure 一般披露</b>	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering. 有關防止賄賂、勒索、欺詐及洗黑錢的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	Sustainable Development Approach 可持續發展方針 Enriching Talent Pool 豐富人才資本 Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Greentech 附錄III – 對光大綠色環保有重大影響的相關法律及規例的遵守情況
<b>KPI B7.1</b>	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases. 於匯報期內對發行人或其僱員提出並已審結的貪污訴訟案件的數目及訴訟結果。	In 2018, there was no confirmed case of non-compliance in relation to corrupt practices that would have a significant impact on the Group. 二零一八年並沒有任何與反貪污相關並對本集團有重大影響的已確認違規事件。
<b>KPI B7.2</b>	Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored. 描述防範措施及舉報程序，以及相關執行及監察方法。	Sustainable Development Approach 可持續發展方針
<b>Community 社區</b>		
<b>Aspect B8: Community Investment 層面B8：社區投資</b>		
<b>General Disclosure 一般披露</b>	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take in to consideration the communities' interests. 有關以社區參與來了解營運所在社區需要和確保其業務活動會考慮社區利益的政策。	Communities and Philanthropy 社會與公益
<b>KPI B8.1</b>	Focus are as of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). 專注貢獻範疇（如教育、環境事宜、勞工需求、健康、文化、體育）。	Communities and Philanthropy 社會與公益
<b>KPI B8.2</b>	Resources contributed (e.g. money or time) to the focus area. 在專注範疇所動用資源（如金錢或時間）。	Communities and Philanthropy 社會與公益 Key Statistics 主要數據

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**Aspect A1: Emissions**  
 層面A1：排放物

In order to protect and improve the environment, prevent pollution and other public hazards, safeguard public health, promote the development of ecological civilisation, and promote sustainable economic and social development, China has enacted a large number of laws to protect environmental resources. Key laws and regulations applicable to the Group's business include the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on Environmental Impact Assessment, the Water Pollution Prevention and Control Law of the People's Republic of China, the Atmospheric Pollution Prevention and Control Law of the People's Republic of China, the Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste, and the Criminal Law of the People's Republic of China. These laws and regulations provide clear requirements on air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste. We understand that it is important to meet these statutory obligations as violation of any of applicable environmental law and regulation may result in penalties, operation suspension, and/or legal action against the Group by regulatory authorities. 為保護和改善環境，防治污染和其他公害，保障公眾健康，推進生態文明建設，促進經濟和社會的可持續發展，中國制定實施了大量環境資源保護的法律。適用於本集團的主要法律及規例包括《中華人民共和國環境保護法》、《中華人民共和國環境影響評價法》、《中華人民共和國水污染防治法》、《中華人民共和國大氣污染防治法》、《中華人民共和國固體廢物污染環境防治法》及《中華人民共和國刑法》。該等法律及規例對廢氣及溫室氣體排放、向水及土地的排污以及有害及無害廢棄物的產生等方面提供了明確要求。我們深明履行該等法律及法規的重要性，因為違反任何適用的環境法律和法規均可能會導致監管機構對本集團作出罰款、勒令停運及／或採取法律行動。

In 2018, there was no confirmed case of non-compliance in relation to environmental protection that would have a significant impact on the Group. Please refer to chapter "Excelling in Environmental Management" of the Report on how Everbright Greentech ensures compliance with applicable environmental laws and regulations. 二零一八年並沒有任何與環境保護相關並對本集團有重大影響的已確認違規事件。關於光大綠色環保如何確保遵守與環境相關的法律法規，請參閱本報告「卓越環境管理」章節。

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**Aspect B1: Employment**  
層面B1：僱傭

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The Labour Law of the People's Republic of China, the Labour Contract Law of the People's Republic of China, and Hong Kong's Employment Ordinance stipulate the legal obligations and responsibility of employers to provide employment protection and benefits covering compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare. The Social Insurance Law of the People's Republic of China is formulated for the purpose of regulating sickness insurance, occupational injury insurance, maternity insurance, medical care insurance, retirement insurance, and death insurance, and also clarifies the legal liabilities of the employer. The Regulation on the Management of Housing Provident Fund is formulated for the purpose of maintaining the lawful rights and interests of housing provident fund owners. These laws and regulations are crucial to the Group, as employees the Group's our valuable asset. 《中華人民共和國勞動法》、《中華人民共和國勞動合同法》及香港《僱傭條例》提供了全面的僱傭保障，涵蓋對薪酬及解僱、招聘及晉升、工作時數、假期、平等機會、多元化、反歧視以及其他待遇及福利方面的要求，明確了僱主的法定義務和責任。《中華人民共和國社會保險法》規定了疾病、工傷、生育、醫療、退休及死亡保險，並釐清了僱主的相關法律責任。《住房公積金管理條例》則維護了住房公積金所有者的合法權益。這些法律法規非常重要，因員工是本集團最重要的財富。

In 2018, there was no confirmed case of non-compliance in relation to our employment practices that would have a significant impact on the Group. Please refer to chapter "Enriching Talent Pool" of the Report on how Everbright Greentech ensures compliance with applicable employment laws and regulations. 二零一八年並沒有任何與僱傭相關並對本集團有重大影響的已確認違規事件。關於光大綠色環保如何確保遵守與僱傭相關的法律法規，請參閱本報告「豐富人才資本」章節。

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**B2: Health and Safety**  
 層面B2：健康與安全

The Labour Law of the People’s Republic of China, the Work Safety Law of the People’s Republic of China, and the Criminal Law of the People’s Republic of China commit to the protection of labour safety and production safety, and require manufacturing organisations and employers to provide a safe working environment and protect employees from occupational hazards. The Social Insurance Law of the People’s Republic of China is formulated for the purpose of regulating sickness insurance, occupational injury insurance, maternity insurance, medical care insurance, retirement insurance, and death insurance, and also clarifies the legal liabilities of the employer. Compliance with these laws and regulations is paramount as workplace safety is of critical importance to each and every employee of the Group. As a socially responsible enterprise, the Group complies with relevant health and safety laws and regulations to provide employees with a safe workplace and suitable insurance. 《中華人民共和國勞動法》、《中國人民共和國安全生產法》及《中華人民共和國刑法》旨在維護勞動安全衛生及生產安全，要求生產經營單位及僱主提供安全工作環境及保障僱員避免職業性危害。《中華人民共和國社會保險法》則規定了疾病、工傷、生育、醫療、退休及死亡保險，並釐清了僱主的相關法律責任。遵守這些法律法規是本集團的首要任務，因為工作場所的安全對本集團每一個員工都十分重要。為員工提供安全工作環境及合適保險是本集團作為良心企業的實踐，本集團會嚴守相關健康與安全法律法規。

In 2018, there was no confirmed case of non-compliance in relation to health and safety that would have a significant impact on the Group. Please refer to chapter “Enriching Talent Pool” of the Report on how Everbright Greentech ensures compliance with applicable laws and regulations relating to health and safety. 二零一八年並沒有任何與健康與安全相關並對本集團有重大影響的已確認違規事件或申訴。關於光大綠色環保如何確保遵守與健康與安全相關的法律法規，請參閱本報告「豐富人才資本」章節。



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**B4: Labour Standards**  
層面B4：勞工準則

The Labour Law of the People’s Republic of China and Hong Kong’s Employment Ordinance set out clear rules for preventing child labour and forced labour, and elaborate on the legal liabilities of employers who violate the relevant laws and regulations. Everbright Greentech highly values human rights and commits to strictly complying with relevant labour standards. 《中華人民共和國勞動法》及香港《僱傭條例》對防止童工或強制勞動列有明確規定，並詳細地闡述違反相關法律及法規的僱主的法律責任。光大綠色環保高度重視人權，並承諾嚴格遵守相關勞工準則。

In 2018, there was no confirmed case of non-compliance in relation to labour standards that would have a significant impact on the Group. Please refer to chapter “Enriching Talent Pool” of the Report on how Everbright Greentech ensures compliance with applicable laws and regulations relating to labour standards. 二零一八年並沒有任何與勞工準則相關並對本集團有重大影響的已確認違規事件或申訴。關於光大綠色環保如何確保遵守與勞工準則相關的法律法規，請參閱本報告「豐富人才資本」章節。

**B6: Product Responsibility**  
層面B6：產品責任

Relevant laws and regulations of the Group mainly include the Patent Law of the People’s Republic of China and the Criminal Law of the People’s Republic of China. These laws and regulations provide clear requirements on health and safety, and privacy matters and remedial methods relating to products and services provided. It is the Group’s core value to abide by these rules in providing safe and reliable services. 與本集團相關的法律法規主要包括《中華人民共和國專利法》、《中華人民共和國刑法》。該等法律及規例對產品和服務的健康與安全及私隱事宜以及補救方法提供了明確的要求。提供安全可靠的服務是本集團的核心價值。

In 2018, there was no confirmed case of non-compliance in relation to product responsibility that would have a significant impact on the Group. Please refer to chapters “Sustainable Management Approach” and “Excelling in Environmental Management” of the Report on how Everbright Greentech ensures compliance with applicable laws and regulations relating to product responsibility. 二零一八年並沒有任何與產品責任相關並對本集團有重大影響的已確認違規事件或申訴。關於光大綠色環保如何確保產品責任相關的法律法規，請參閱本報告「可持續發展方針」及「卓越環境管理」章節。

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**B7: Anti-Corruption**  
 層面B7：反貪污

The Anti-Unfair Competition Law of the People’s Republic of China, the Criminal Law of the People’s Republic of China, and Hong Kong’s Prevention of Bribery Ordinance set out clear rules on preventing bribery, extortion, fraud and money laundering. These laws and regulations aim to maintain social integrity and fairness, prevent unfair competition, and protect the legal rights of service providers and customers. The Group firmly believes that misconduct such as corruption has significant negative impact to business development. Therefore, the Group strictly complies with relevant anti-corruption laws and regulations to maintain a good reputation and enhance its competitiveness.

《中華人民共和國反不正當競爭法》、《中國人民共和國刑法》及香港《防止賄賂條例》對防止賄賂、勒索、欺詐及洗黑錢行為提供了明確的規定，旨在維護社會廉潔公平，制止不正當競爭行為，保護服務提供者和消費者的合法權益。本集團相信貪污等不當行為對業務發展百害而無一利，因此嚴格遵循相關的反貪污法律法規，致力維持本集團良好的聲譽及提升競爭力。

In 2018, there was no confirmed case of non-compliance in relation to corrupt practices that would have a significant impact on the Group. Please refer to chapter “Sustainable Management Approach” of the Report on how Everbright Greentech ensures compliance with applicable laws and regulations relating to corrupt practices. 二零一八年並沒有任何與反貪污相關並對本集團有重大影響的已確認違規事件。關於光大綠色環保如何確保遵守與反貪污相關的法律法規，請參閱本報告「可持續發展方針」章節。

# 2018 Sustainability Report 可持續發展報告

CHINA EVERBRIGHT GREENTECH LIMITED

中國光大綠色環保有限公司

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