



光大水務  
Everbright Water

中國光大水務有限公司  
CHINA EVERBRIGHT WATER LIMITED  
(於百慕達註冊成立之有限公司)  
(Incorporated in Bermuda with limited liability)  
(STOCK CODES 股份代號: U9E.SG & 1857.HK)

2019

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**

Non-Executive Director and Chairman

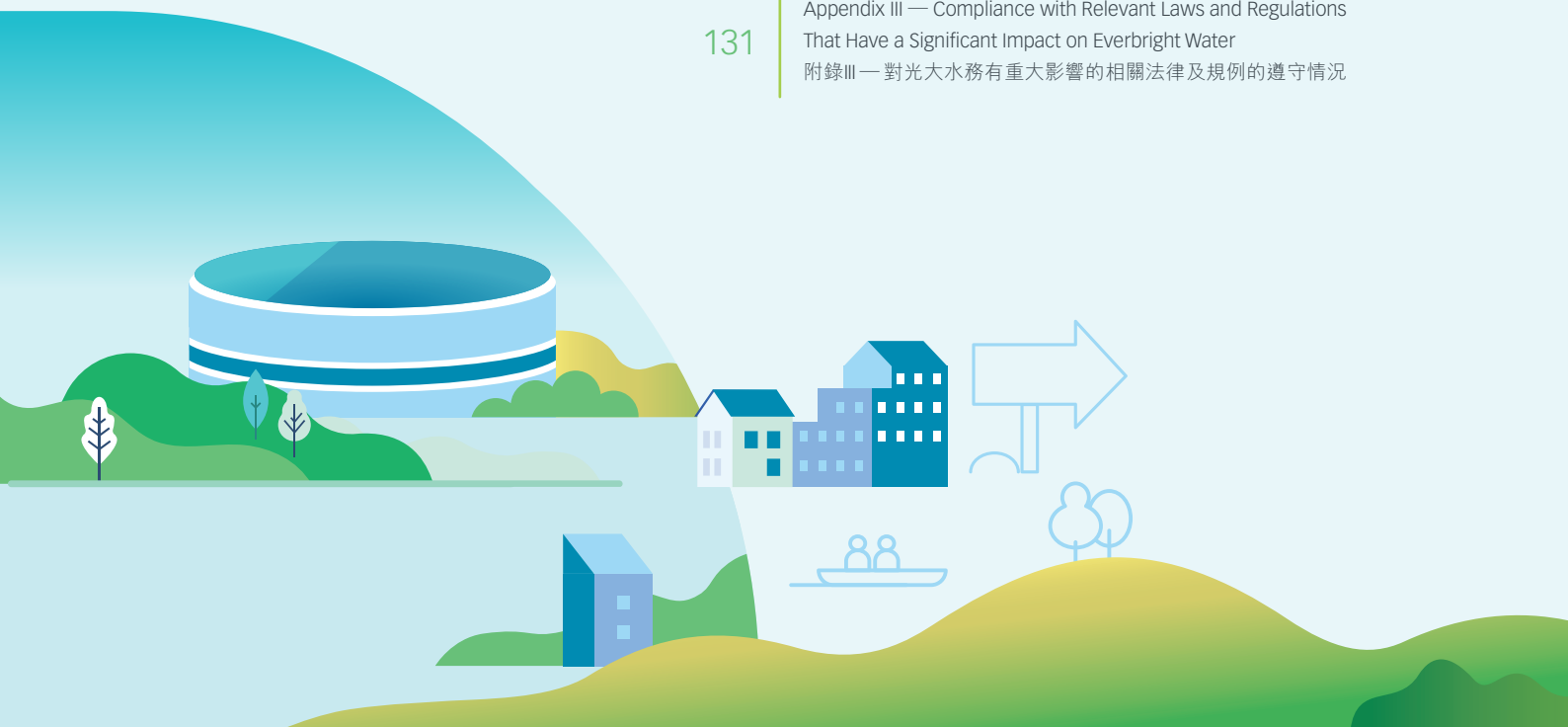
非執行董事兼董事長

Following the escalation of ecological and environmental protection to a new level as national strategies, the Chinese government has placed emphasis of unprecedented level on the environmental protection and ecological conservation. With the more stringent industry regulations, Everbright Water (defined hereafter) will continue riding through the challenges, keeping moving forward, exploring directions and seizing opportunities, so as to stand out in a crowd and embark a new round of development. Everbright Water adheres to its corporate mission of being “Devoted to Ecology and Environment for a Beautiful China”, aligns with relevant national policies, keeps pace with market trends, and seeks development through technology and innovation, in order to achieve comprehensive development and stable business performance. Everbright Water is committed to building a sustainable living environment for the society by providing high-quality environmental protection services and products. Leveraging on its outstanding experience in the industry, Everbright Water aims to emerge as a leader in the water environment management sector of China.

隨著生態環境保護提升為國家戰略，中國政府在環境保護、生態文明建設方面的投入前所未見。面對更嚴格的行業監管，光大水務（定義見後文）將繼續負重前行，在各類挑戰中摸索方向、搶抓機遇，才能破繭而出，實現新一輪發展。光大水務秉承「情繫生態環境，築夢美麗中國」的企業使命，緊跟國家政策，把握市場脈動，以科技創新為引領，形成全面發展的新格局。光大水務致力以優質的環保服務和產品，為社會創造可持續的人居環境，憑著豐富的行業經驗，奮力成為中國水環境綜合治理領域的翹楚。

## Table of Contents 目錄

3	About The Report 關於本報告	60	Joining Hands with Our Team 與團隊攜手合作
6	Message From CEO 總裁寄語	82	Community Engagement 社區參與
10	Our Sustainable Business 我們的可持續業務	97	Devoted to Achieving Sustainable Development Goals 致力實踐可持續發展目標
20	Sustainability Governance 可持續發展管治	106	Major Recognitions, Awards and Memberships 主要嘉許、獎項及會籍
30	Stakeholder Engagement 持份者參與	108	Verification Statement 審核聲明
40	Outstanding Environmental Management 優質環境管理	110	Key Statistics 主要數據
		119	Appendix I — GRI Content Index 附錄I — GRI內容索引
		127	Appendix II — SEHK ESG Reporting Guide Content Index 附錄II — 聯交所《環境、社會及管治報告指引》內容索引
		131	Appendix III — Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water 附錄III — 對光大水務有重大影響的相關法律及規例的遵守情況



China Everbright Water Limited (“**Everbright Water**” or the “**Company**”, together with its subsidiaries, the “**Group**”) is an environmental protection company focusing on water environment management. It is listed on the Mainboard of Singapore Exchange Securities Trading Limited (“**SGX**” or “**SGX-ST**”) and the Main Board of The Stock Exchange of Hong Kong Limited (“**SEHK**”) (stock codes: U9E.SG & 1857.HK) with its direct controlling shareholder being China Everbright International Limited (stock code: 257.HK, “**Everbright International**”).

Everbright Water is one of the leading water environment management enterprises in China. It has developed a full-fledged business coverage, which includes raw water protection, water supply, municipal waste water treatment, industrial waste water treatment, reusable water, river-basin ecological restoration, and sludge treatment and disposal. Meanwhile, the Company has formed a full industry chain on the water business, including project investment, planning and design, technological research and development (“**R&D**”), engineering and construction, operations management, and etc.

The Sustainability Report 2019 (the “**Report**”) covers the Group’s main sustainability initiatives and performance during the period from 1 January 2019 to 31 December 2019 (the “**Reporting Period**” or the “**year under review**”). The Report was prepared in accordance with Rule 13.91 and Appendix 27 *Environmental, Social and Governance (“ESG”) Reporting Guide* of the Rules Governing the Listing of Securities on SEHK, as well as the Listing Manual of SGX (Rules 711A, 711B and Practice Note 7.6 *Sustainability Reporting Guide*). The Report has been prepared in accordance with the GRI Standards: Comprehensive option<sup>(1)</sup>. By these means, the material issues were covered in a more comprehensive manner. Besides, the Sustainable Development Goals of the United Nations (“**SDGs**”) 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.

中國光大水務有限公司（「**光大水務**」或「**本公司**」，連同其附屬公司合稱「**本集團**」）是以水環境綜合治理業務為主業的環保集團，為新加坡證券交易所有限公司（「**新交所**」）及香港聯合交易所有限公司（「**聯交所**」）主板上市公司（股份代號：U9E.SG及1857.HK），直接控股股東為中國光大國際有限公司（股份代號：257.HK，「**光大國際**」）。

光大水務為中國領先的水環境綜合治理企業之一，已實現原水保護、供水、市政污水處理、工業廢水處理、中水回用、流域治理及污泥處理處置等全業務範圍覆蓋，精專於項目投資、規劃設計、科技研發（「**研發**」）、工程建設、運營管理等業務領域，形成水務行業全產業鏈佈局。

二零一九年可持續發展報告（「**本報告**」）涵蓋了本集團於二零一九年一月一日至二零一九年十二月三十一日（「**報告期**」或「**回顧年度**」）期間的主要可持續發展策略和表現。其內容依循聯交所證券上市規則第13.91條及附錄二十七所載的《環境、社會及管治（「**環境、社會及管治**」）報告指引》以及新交所上市手冊（第711A條、第711B條和第7.6項應用指引《可持續發展報告指引》）所編寫。本報告依循GRI準則：全面選項<sup>(1)</sup>，務求報告更全面涵蓋實質性議題。此外，本集團將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。

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 Shenzhen, Hong Kong and Singapore offices, projects under construction<sup>(2)</sup> and operating projects under the Group's operational control during the Reporting Period<sup>(3),(4)</sup>. The relevant entities of the Group can be found in the Group's annual report for the year under review (the "Annual Report 2019") – 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 has been rounded except integers and data disclosed in the Annual Report 2019<sup>(5)</sup>.

The Group commissioned Hong Kong Quality Assurance Agency as a third-party verification institution to conduct an independent audit and verification on the content and data of the Report, and the relevant Verification Statement is appended to the Report. The board of directors of Everbright Water (the "Board" or the "Directors", and each a "Director") 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 the material ESG factors.

The Report is available in both Chinese and English versions and has been uploaded onto the SGXNet ([www.sgx.com](http://www.sgx.com)), the websites of Hong Kong Exchanges and Clearing Limited ([www.hkexnews.hk](http://www.hkexnews.hk)) and Everbright Water ([www.ebwater.com](http://www.ebwater.com)). If there is any inconsistency or discrepancy between the Chinese version and the English version, the English version shall prevail; in the event of any inconsistency or discrepancy between the Report and the Annual Report 2019, the Annual Report 2019 shall prevail.

The Group welcomes all stakeholders and the public to provide valuable comments and suggestions to [info@ebwater.com](mailto:info@ebwater.com) on the content of the Report, the reporting approach as well as the Group's sustainability performance.

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於深圳、香港和新加坡辦公室以及本集團擁有運營控制權的在建<sup>(2)</sup>與運營項目的可持續發展表現<sup>(3),(4)</sup>。本集團的相關實體資料可參閱本集團關於回顧年度的年度報告（「二零一九年度報告」）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或準則進行，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（「溫室氣體」）排放及抵消。除了整數數據及二零一九年度報告已公佈的數據外，本報告所載的所有數據均已作捨入調整<sup>(5)</sup>。

本集團已委託香港品質保證局作為第三方核證審核機構，為本報告的內容及數據進行獨立審計及認證，其相關審核聲明已附載於本報告中。本報告的內容及範圍亦經過光大水務董事會（「董事會」，其中每位簡稱「董事」）審閱及批准，以表明董事會已將可持續發展議題視為戰略制定的一部分，確定了重大的環境、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，已上載至新交所網站SGXNet ([www.sgx.com](http://www.sgx.com))、香港交易及結算有限公司網站([www.hkexnews.hk](http://www.hkexnews.hk))及光大水務網站([www.ebwater.com](http://www.ebwater.com))供下載及閱覽。如中、英文版本有任何抵觸或不相符之處，應以英文版本為準；若本報告和二零一九年度報告有任何抵觸或不相符之處，應以二零一九年度報告為準。

歡迎各持份者及公眾電郵至 [info@ebwater.com](mailto:info@ebwater.com)，就本報告內容、報告方式和本集團在可持續發展方面的表現提供寶貴意見及建議。

Notes:

- (1) GRI refers to Global Reporting Initiative.
- (2) For environmental data of projects under construction, only electricity and water consumption and associated GHG emissions are disclosed in the Report. Other data such as fuel and materials consumption are possessed by contractors and/or subcontractors and the Group does not have access to them.
- (3) Unless otherwise specified, data of contractors and/or subcontractors is not disclosed in the Report.
- (4) Since the assets related to Qingdao Waste Water Treatment Project (Haibohe Plant) and the two projects undertaken by Everbright Water under engineering, procurement and construction (“EPC”) approach are owned by its customers, Everbright Water has no access to the environmental data of such projects, including electricity consumption, water consumption, etc. As such, the environmental performance of these projects is not disclosed in the Report.
- (5) The numbers stated in various tables of the Report may not add up to totals or 100% due to rounding.

附註：

- (1) GRI是指全球報告倡議組織。
- (2) 有關在建項目的環境數據，本報告僅披露其電力及水消耗量以及相關的溫室氣體排放。其他數據如燃料消耗量和物料使用量由承包商及／或分包商擁有，本集團無權存取有關數據。
- (3) 除非另有註明，承包商及／或分包商的數據不會於本報告中披露。
- (4) 由於青島污水處理項目（海泊河廠）及光大水務以工程總包（「EPC」）模式承接的兩個項目所涉及的資產由其客戶擁有，光大水務無權存取其環境數據（包括電力消耗量及水消耗量等）。因此，這些項目的環境表現不會於本報告中披露。
- (5) 本報告所載各類表格中包含的數字，由於捨入關係，數值加起來可能不等於總數或100%。

The Group achieved a major milestone in 2019. On 8 May 2019, the Company became officially listed on the Main Board of the SEHK, achieving its dual listing status in Singapore and Hong Kong. This helped the Company further expand its international financing platform and bring new impetus to its long-term development.

In the past year, Everbright Water navigated through challenging market and industry landscape, and enhanced its development in comprehensive management of water environment, comprehensive utilisation of water resources and comprehensive protection of water ecology. In addition, Everbright Water continued providing the society with sustainable and safe water sources in order to build a sustainable and clean water environment for the public. Following the tightening of environmental protection regulations in recent years and the escalation of ecological protection needs, the water industry has entered into a strategic transformation from "Growth in Scale" to "Improve Quality and Efficiency". Everbright Water closely follows the national policies, constantly improves its quality, and strives to become a leader in the industry. In addition, in response to the novel coronavirus epidemic, the Group has proactively put in place numerous measures in control and prevention of epidemic and resumption of work and production. The epidemic has little impact on the Group's operating projects, and its waste water treatment projects and reusable water projects are in normal operation.

During the Reporting Period, Everbright Water continued focusing on the following agenda and integrating the concept of sustainable development into every detail of business management:

二零一九年是本集團具有里程碑意義的一年。二零一九年五月八日，本公司正式於聯交所主板掛牌上市，取得新加坡及香港兩地雙重上市地位，進一步拓寬國際化融資平台，為企業的長遠發展帶來新的動力。

在過去一年裡，光大水務在充滿挑戰的市場及行業環境中把握方向，穩步推進水環境綜合治理、水資源綜合利用與水生態綜合保護的業務發展，繼續為社會提供可持續的安全水源，為公眾建設可持續的潔淨水環境。隨著近年來環保監管的日趨嚴格以及生態保護需求的升級，水務行業步入戰略性轉型，從「規模增長」轉向「提質增效」。光大水務將緊跟國家大政方針，不斷提升自身水平，致力成為業界翹楚。此外，為應對新型冠狀病毒疫情，本集團積極採取多項抗疫防控、復工復產措施，令疫情對本集團的運營項目影響不大，旗下的污水處理、中水回用等項目正常運營。

報告期內，光大水務繼續圍繞下列範疇，將可持續發展理念融入業務管理的每個細節：



## Developing Ecological Conservation

The Group adheres to its corporate mission of being “Devoted to Ecology and Environment for a Beautiful China” and gradually forms a full-fledged business coverage in the water industry, including raw water protection, water supply, municipal waste water treatment, industrial waste water treatment, reusable water, river-basin ecological restoration, sludge treatment and disposal, etc. Everbright Water strives to develop benchmark environmental water projects, proactively responding to the national strategy in the development of ecological conservation. As at 31 December 2019, the Group invested in and held 129 water projects, and undertook 2 EPC projects and 1 operation and management (“O&M”) project.

During the Reporting Period, the Group successfully expanded into a new business area by securing its first drinking water source and wetland protection project, namely Zhejiang Tongxiang West Area Drinking Water Sources Protection Public-Private Partnership (“PPP”) Project (“**Zhejiang Tongxiang Project**”), expanding its business coverage.

## Responding to Environmental Pollution and Climate Change

The Group’s water environment management services (including waste water treatment, reusable water, sludge treatment and disposal projects, etc.) substantially minimise the environmental impacts arising from waste water discharge. The Group’s river-basin ecological restoration projects construct more stable ecological environment, and thus improve the cities’ resilience against regional water environment pollution, and contribute to the development of sustainable cities and communities. To improve the projects’ resilience against climate change, the Group has included climate change risk into its Risk Management System in order to formulate more comprehensive emergency and natural disaster contingency plans.

## 建設生態文明

本集團秉承「情繫生態環境，築夢美麗中國」的企業使命，已逐漸形成水務行業全產業鏈佈局，主營業務涵蓋原水保護、供水、市政污水處理、工業廢水處理、中水回用、流域治理、污泥處理處置等，致力打造標竿環保水務項目，以積極響應國家生態文明建設的戰略。截至二零一九年十二月三十一日，本集團投資並持有129個項目，另承接兩個EPC項目及一個委託運營（「委託運營」）項目。

報告期內，本集團成功拓展新業務領域，取得首個飲用水源濕地保護項目—浙江桐鄉西部飲用水源保護建設工程政府和社會資本合作（「PPP」）項目（「**浙江桐鄉項目**」），完善業務覆蓋。

## 應對環境污染及氣候變化

本集團的水環境綜合治理服務（包括污水處理、中水回用、污泥處理處置項目等）可大幅降低污水排放帶來的環境影響；流域治理項目通過構建更穩固的生態環境從而提升城市應對區域水環境污染的抗禦能力，為建設可持續城市和社區作出貢獻。為加強項目對氣候變化的應變能力，本集團將氣候變化風險納入了風險管理體系中，從而制定更完善的緊急與自然災害應急方案。

## Paying Attention to Talent Development

The Group pays great attention to talent development and always adheres to the “People-Oriented” management philosophy. The Group also carries out human resources management activities according to the needs of its business development, and strives to build a motivated, proactive and creative team. The Group has established and implemented a more systematic human resources management system covering areas such as: recruitment, training, appraisal, rewards, punishments and promotion, and has further improved its backup talent development system through various forms of trainings during the Reporting Period.

## Fostering Technological Research and Development

The Group adheres to the “Innovation-Driven Development” ethos and strives to develop new featured technologies. During the Reporting Period, the Group continuously focused on technological R&D and acquisition of technologies, in the areas such as advanced waste water treatment, water environment management and sludge treatment and disposal. The Group continues integrating Xuzhou Municipal Engineering Design Institute Co., Ltd., and further improves its design capability in the area of municipal engineering which is within the water environment sector. The Group also enhances its capabilities in providing full services from the early stage of planning and design till the final stage of operations management.

## Strengthening Environmental Education

In order to enhance the communities’ awareness of waste water treatment and other environmental sectors and to promote the importance of environmental protection, Everbright Water actively responded to the requirements under the *Notice on Further Opening the National Environmental Protection Facilities and Urban Waste Water and Waste Treatment Facilities to the Public* issued by the Ministry of Ecology and Environment and the Ministry of Housing and Urban-Rural Development of the People’s Republic of China (the “PRC”), and opened its waste water treatment facilities to the public. The Group is committed to developing itself into an advanced hub for public visits and environmental education that provides on-site visits, practical learnings and technical trainings simultaneously. As at 31 December 2019, a total of 20 projects of the Group had been officially opened to the public.

## 注重人才發展

本集團注重人才隊伍建設，始終堅持「以人為本」的管理理念，圍繞業務發展的需要開展人力資源管理工作，務求建立一支具積極性、主動性和創造性的團隊。本集團已建立和實施了系統化的聘用、培訓、考核、獎懲、晉升等人力資源管理制度，並於報告期內通過不同形式的培訓進一步優化了後備人才培養體系。

## 助力技術研發

本集團堅持「創新引領發展」，致力打造具有特色的新技術。報告期內，本集團繼續於污水深度處理、水環境治理、污泥處理處置等領域進行技術研發和引進，並推動徐州市市政設計院有限公司的整合工作，進一步提升在水環境領域的市政工程設計實力，拓展從前期項目設計到最終運營管理的全鏈條服務能力。

## 加強環保教育

為提高社區對污水處理等環保領域的認識，宣揚環境保護的重要性，光大水務積極響應中華人民共和國（「中國」）生態環境部與住房和城鄉建設部下發的《關於進一步做好全國環保設施和城市污水垃圾處理設施向公眾開放工作的通知》，主動開放轄屬污水處理設施，致力於把本集團建設成為一個集參觀學習、實踐學習、技能培訓為一體的全國先進的公眾開放和環保宣傳基地。截至二零一九年十二月三十一日，本集團已有共20個項目向公眾正式開放。

## Summing Up

Following China's enhanced efforts in ecological conservation and regional environmental management, Everbright Water will leverage on the opportunities arising from the dual listing in both Singapore and Hong Kong, and develop in various areas such as business expansion, engineering and construction, operations management, technological R&D, etc. The Group will improve its proficiencies in operations management and risk control, and promote sustainability through a long-term business planning.

### AN XUESONG

*Executive Director and Chief Executive Officer*

29 May 2020

## 結語

隨著中國不斷加強生態文明建設及區域環境治理，光大水務將以新港兩地雙重上市為發展新契機，緊抓行業機遇，穩步推進業務拓展、工程建設、運營管理、技術研發等各項工作，並加強運營管理及風險管控水平，以更加長遠的發展眼光規劃推動企業的可持續發展。

### 安雪松

*執行董事兼總裁*

二零二零年五月二十九日

## Board Statement 董事會聲明

The Board has reviewed the material environmental, social and governance issues, and will manage and monitor these issues and take them into consideration in determining the Group's business directions and strategies. The Group will actively undertake social responsibility in pursuing a better water environment.

董事會已審閱有關環境、社會及管治的重大議題，將管理和監督這些議題，並在制定本集團營業方針及戰略時將該等議題列入考慮範圍。本集團將積極承擔社會責任，創造更優質的水環境。



We incorporate long-term sustainable development strategies and commit to becoming **A ROLE MODEL IN WATER INDUSTRY**

採納長遠可持續發展方針，  
致力成為**水務行業企業模範**



Everbright Water is an environmental protection company focusing on water environment management. It is listed on the Mainboard of SGX and the Main Board of SEHK (stock codes: U9E.SG & 1857.HK) with its direct controlling shareholder being Everbright International (stock code: 257.HK).



光大水務是以水環境綜合治理業務為主業的環保集團，為新交所及聯交所主板上市公司（股份代號：U9E.SG及1857.HK），其直接控股股東為光大國際（股份代號：257.HK）。



Everbright Water became officially listed on the Main Board of SEHK on 8 May 2019, achieving its dual listing status in Singapore and Hong Kong. The dual listing facilitates the Company to attract investors, broadens its shareholder base, and contributes to its long-term business growth.

二零一九年五月八日，光大水務於聯交所主板正式掛牌上市，成功獲得新加坡及香港兩地雙重上市地位。新港兩地上市有助於本公司吸引不同投資者、擴大股東基礎及促進業務長遠發展。

## Business Overview

Everbright Water has developed a full-fledged business coverage, which includes raw water protection, water supply, municipal waste water treatment, industrial waste water treatment, reusable water, river-basin ecological restoration, and sludge treatment and disposal. Meanwhile, the Company has formed a full industry chain on the water business, including project investment, planning and design, technological R&D, engineering and construction, operations management, etc.

## 業務概覽

光大水務目前已實現原水保護、供水、市政污水處理、工業廢水處理、中水回用、流域治理、污泥處理處置等全業務範圍覆蓋，專注於項目投資、規劃設計、科技研發、工程建設、運營管理等業務領域，形成水務行業全產業鏈佈局。

As at 31 December 2019

截至二零一九年十二月三十一日

### Total water treatment capacity

水處理總規模

approximately

**6,200,000 m<sup>3</sup>/day**

約 **620萬** 立方米／日



### Invested and held a total of 129 projects, and undertook 3 EPC/O&M projects

共投資並持有**129**個水務項目，另承接**3**個EPC／委託運營項目

**108** waste water treatment projects  
(including waste water pipeline network projects)  
個污水處理項目（含污水管網項目）

**8** reusable water projects  
個中水回用項目

**6** river-basin ecological restoration projects  
個流域治理項目

**3** water supply projects  
個供水項目

**1** raw water protection project  
個原水保護項目

**1** leachate treatment project  
個滲濾液處理項目

**2** waste water source heat pump projects  
個污水源熱泵項目

**2** EPC projects  
個EPC項目

**1** O&M project  
個委託運營項目



Note: For the details and list of the Group's projects as at 31 December 2019, please refer to the section entitled "Project Overview" in the Annual Report 2019.

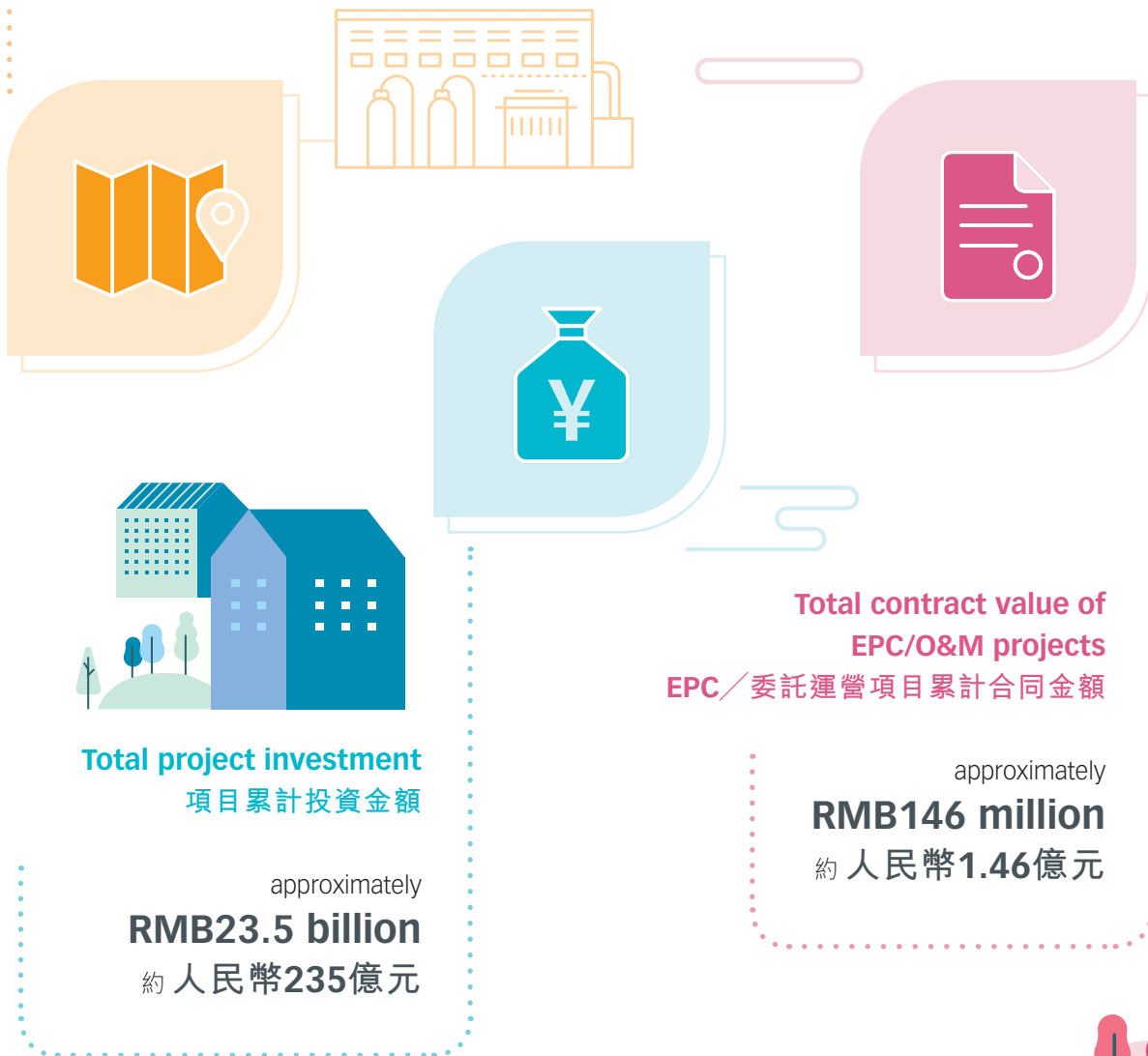
附註：有關本集團截至二零一九年十二月三十一日的項目詳情及清單，請參閱二零一九年度報告中「項目概覽」一節。

## Businesses are located in 10 provinces, municipalities and autonomous regions in China

業務遍及中國十個省、市及自治區

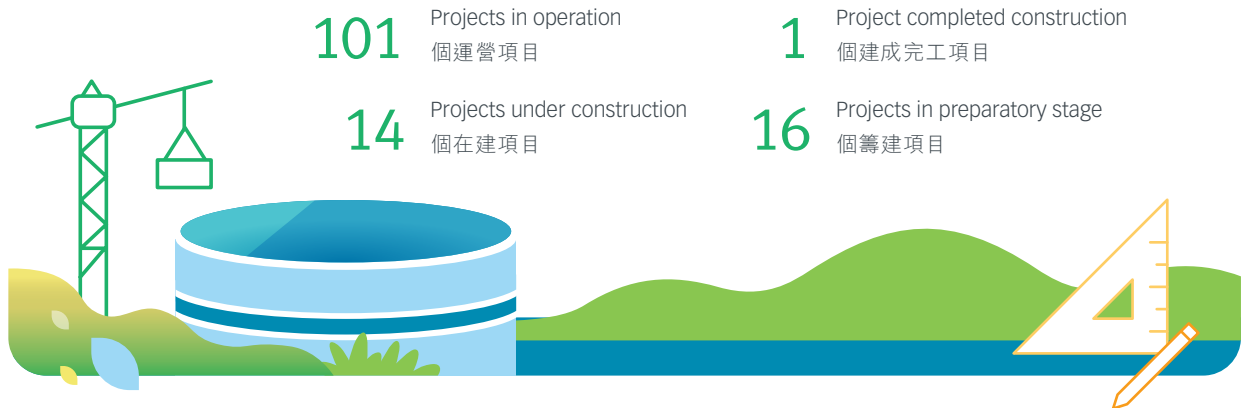
Secured projects which are located in 50 districts, counties and cities across 10 provinces, municipalities and autonomous regions in China, including Beijing, Jiangsu, Zhejiang, Shandong, Shaanxi, Henan, Hubei, Guangxi, Liaoning and Inner Mongolia.

已落實項目遍布北京、江蘇、浙江、山東、陝西、河南、湖北、廣西、遼寧及內蒙古等中國10個省、市及自治區的50個區、縣、市。



## Business Highlights in 2019

(As at 31 December 2019)



## 二零一九年業務亮點

(截至二零一九年十二月三十一日)

- Revenue of approximately HK\$5.55 billion, with total assets of approximately HK\$22.68 billion
- Received various subsidies amounting to RMB65.27 million
- Granted 25 patents (11 invention patents inclusive) and published 27 scientific papers
- The Group's projects treated approximately 1.4 billion m<sup>3</sup> of waste water and produced approximately 17.65 million m<sup>3</sup> of reusable water, representing an increase of 13% and 8% respectively compared with 2018
- 收入約55.5億港元，總資產約226.8億港元
- 獲得各類補貼資金達人民幣6,527萬元
- 獲得授權專利25項（包括發明專利11項），發表技術論文27篇
- 旗下各項目共處理污水約14億立方米，供應中水約1,765萬立方米，較二零一八年分別增長13%和8%

**NEW 新**  
**GEOGRAPHICAL 區**  
**AREA 域**

Zhejiang Tongxiang Project marked the expansion of the Group's business footprint into Zhejiang Province.  
浙江桐鄉項目的取得標誌著本集團業務足跡延伸至浙江省。

**NEW 新**  
**BUSINESS 領**  
**AREA 域**

Zhejiang Tongxiang Project was the Group's first project in the area of drinking water sources wetland protection and raw water supply, expanding its business coverage.  
浙江桐鄉項目的取得亦填補了本集團於飲用水源濕地保護及原水供給領域的空白，進一步完善業務覆蓋。

**NEW 新**  
**BUSINESS 模**  
**MODEL 式**

Shandong Zibo Zhangdian East Chemical Industrial Park Industrial Waste Water Treatment Project marked the Group's first adoption of market-oriented operation model for the industrial park waste water treatment business.  
山東淄博張店東部化工區工業廢水處理項目的取得開啟了本集團對化工園區污水處理市場化運營模式的探索。



## The Group's Featured Environmental Protection Businesses

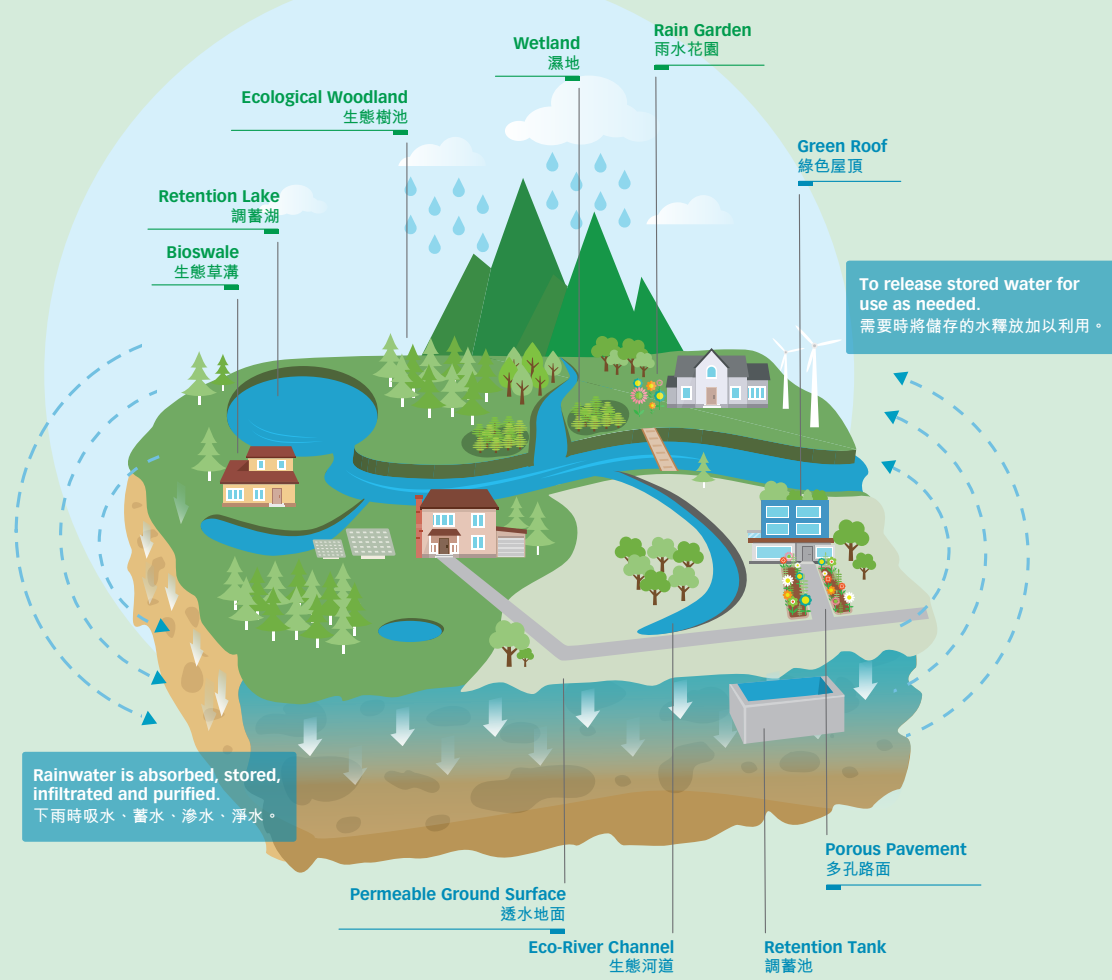
## 本集團特色環保業務

### Sponge City 海綿城市

"Sponge City" aims to improve a city's ability in absorption, infiltration, retention, release and purification of rainwater, and to strengthen the urban ecosystem through building systems that can effectively control surface runoff and relieve pressure on urban river channels. To assist in solving the problems of urban waterlogging and black and odorous water bodies, the sponge city has six functions, namely water security development, water landscape planning, water environmental protection, water ecological restoration, water culture inheritance and water economic development.

「海綿城市」旨在透過建立控制表面徑流和防洪排澇的系統，提升城市對雨水的吸納、蓄滲、緩釋和淨化能力，加強城市生態系統功能。海綿城市協助解決城市內澇和水體黑臭的問題，擁有水安全建設、水景觀規劃、水環境保護、水生態恢復、水文化傳承與水經濟發展等六大水務功能。

#### The Concept of "Sponge City" | 「海綿城市」概念圖



## Waste Water Overflow Pollution Control Project Along Jinshan Lake 沿金山湖合流污水溢流污染控制工程

The Group applies the “Sponge City” concept in practice through its Zhenjiang Sponge City Construction PPP Project (“**Zhenjiang Sponge City Project**”), which integrates a series of water storage tanks, rainwater pumping stations, rainwater drainage networks, waste water treatment facilities, as well as ecological restoration works. This project will significantly improve the capacity of Zhenjiang City in waterlogging prevention, pollution reduction and rainwater utilisation.

Among them, the Waste Water Overflow Pollution Control Project Along Jinshan Lake, which is the largest single sub-project under Zhenjiang Sponge City Project and focuses on the control of surface runoff and combined sewer overflow pollution, has successfully commenced construction during the Reporting Period. The large-diameter pipes laid at the bottom of Jinshan Lake are connected to the main rainwater pipeline and pumping stations at each sub-catchment area on the south bank of Jinshan Lake, and the rainwater is transferred to the water treatment plant and wetland for treatment before discharge. The sub-project plays an important role in storing, transferring, and purifying rainwater, and improves the discharge from the sponge city pilot area as a whole. To purify urban water resources, the Group has also revitalised several black and odourous rivers in Zhenjiang city that flow into Jinshan Lake through various measures, such as river bank and slope stabilisation, dredging, water pollution source control, waste water interception, improvement of water circulation, wetland restoration, etc.

本集團將「海綿城市」概念透過鎮江海綿城市建設PPP項目（「**鎮江海綿城市項目**」）付諸實行，建立一系列調蓄池、雨水泵站、雨水管網和污水處理設施以及生態治理工程。該項目將大幅提升鎮江市的內澇防治、污染削減以及雨水利用能力。

其中，鎮江海綿城市項目中的最大單體工程－沿金山湖合流污水溢流污染控制工程於報告期內順利啟動，該工程重點在於對地表徑流和溢流污染進行控制。在金山湖底鋪設的大管徑管道串聯了金山湖南岸各個匯水分區主要的雨水總管與泵站，在排放之前將雨水輸送至污水處理廠和濕地處理。項目發揮了調蓄、轉輸、淨化雨水的作用，並整體改善了海綿城市建設試點區域的排放。與此同時，本集團還對鎮江市內幾條流入金山湖的黑臭河流進行同步改造，採取了岸坡整治、清淤疏浚、控源截污、活水循環、濕地處理等修復措施，以淨化城市水資源。

### Project Goals 項目目標

#### Water Quality Improvement 水質改善

To prevent 91% of pollutants from entering Jinshan Lake and substantially reduce algae blooms  
將削減91%的污染物進入金山湖，大幅度減少藻華發生



#### Flood Prevention 防洪措施

To upgrade the flood prevention standard of the 8.75 km<sup>2</sup> pipeline network service area that can prevent flood occurring once in 30 years; to build resilience of the 29 km<sup>2</sup> sponge city pilot area to withstand flood occurring once in 30 years  
可使8.75平方公里管網服務範圍內防洪標準提升至30年一遇；29平方公里海綿城市建設試點區域內可全面有效應對30年一遇洪水

#### Landscape Construction 景觀營造

To build a river shore wetland landscape in East China by combining designs of green corridor with ecological wetland  
結合綠廊與生態濕地的設計，構建在華東的江灘濕地景觀

## River-Basin Restoration

### 流域治理

River-basin restoration (or river-basin ecological restoration) refers to river ecosystem restoration through establishing a healthy, comprehensive and stable river ecosystem using artificial reclamation measures, while meeting the basic needs for flood prevention, stormwater drainage and diversion within the river and land boundary.

流域治理（或生態河道治理）是指在河道陸域控制線內，在滿足防洪、排澇及引水等河道功能的基礎上，通過人工修復措施促進河道水生生態系統恢復，構建健康、完整、穩定的河道水生生態系統。

### The Concept of River-Basin Restoration Project | 流域治理項目概念圖



### River-Basin Restoration

#### 流域治理

#### Nanning Shuitang River Integrated Restoration PPP Project | 南寧水塘江綜合整治工程PPP項目

Nanning Shuitang River Integrated Restoration PPP Project was the Group's key water environment management project under construction during the year under review. The project was the first environmental water project secured by the Group in Guangxi Zhuang Autonomous Region with a total investment of approximately RMB1.5 billion. Through river channel improvement, river interception, river ecological restoration, sponge city construction, environmental and landscape improvement, information engineering as well as the construction and operation of waste water treatment plants, the project aims to improve the overall quality of water ecology and environment of Nanning Shuitang River Basin.

南寧水塘江綜合整治工程PPP項目為回顧年度內本集團重點建設的水環境綜合治理項目，總投資額約人民幣15億元，為本集團首個位於廣西壯族自治區的環保水務項目。該項目透過河道改善、河道截污、河道生態恢復、海綿城市建設、環境景觀改善及信息化工程和污水處理廠建設及運營，改善水塘江流域整體的水生態環境質量。

### Raw Water Protection

#### 原水保護

During the Reporting Period, the Group expanded its business to raw water protection. Amid the challenge of water scarcity, the Group is committed to optimising water sources and protecting precious ecological wetlands and drinking water resources.

報告期內，本集團將業務拓展至原水保護領域。面對水資源日趨缺乏的挑戰，本集團致力優化取水水源，保護珍貴的生態濕地與飲用水資源。

#### Zhejiang Tongxiang Project | 浙江桐鄉項目

During the Reporting Period, the Group expanded into a new business area by securing its first source water and wetland protection project, which is also the Group's first environmental water project in Zhejiang Province. The project involves the investment, construction and operation of ecological wetlands, water intake pumping stations and raw water pipelines, covering a total construction area of approximately 5,400 mu. Upon completion of construction and commencement of operation, the project will effectively improve the quality of water supply in Tongxiang City, optimise water sources and strengthen the resilience of local water treatment plants.

報告期內，本集團成功拓展新業務領域，取得首個水源與濕地保護項目，同時也是本集團在浙江省的首個環保水務項目。該項目涉及投資、建設和運營生態濕地工程、新建取水泵站及新建原水管線工程，工程佔地約5,400畝。項目建成投運後，將有效提升桐鄉市供水水質，優化取水水源，增強當地水廠的抗風險能力。

## Technological R&D 技術研發

Everbright Water adheres to the “Innovation-Driven Development” ethos and strives to develop new featured technologies. During the Reporting Period, the Group continuously focused on technological R&D and acquisition of technologies in the areas such as advanced waste water treatment, water environment management and sludge treatment and disposal. It also developed new technologies and products, such as membrane aerated biofilm reactor (“**MABR**”), accurate dosing and aeration, and new ozone catalysts to meet the market demands. Over 40 in-house technological processes, such as accurate dosing, biological aeration tank, low-temperature sludge drying technology, have been adopted by the Group’s projects to ensure stable operation and compliance with relevant discharge standards.

光大水務堅持「創新引領發展」，致力打造具有特色的新技術。報告期內，本集團繼續於污水深度處理、水環境治理、污泥處理處置等領域進行技術研發和引進，打造曝氣膜生物反應器（「**MABR**」）、精確加藥、精確曝氣、新型臭氧催化劑等市場極需的新技術和產品。研發技術成果轉化方面，精確加藥、曝氣生物濾池、污泥低溫乾化等40多個自主工藝包已應用於本集團旗下多個項目，確保項目的穩定運行和達標排放。

For details of the Group’s businesses and prospects, please refer to the Annual Report 2019.

有關本集團業務和展望的詳情，請參閱二零一九年度報告。

We foster **ALL-WIN SITUATION IN ECONOMIC, SOCIAL AND ENVIRONMENTAL ASPECTS** by building up green operation concept and practising green management

構建綠色經營理念、踐行綠色管理，  
取得**經濟、社會與環境的共贏局面**



Strengthening corporate governance and risk management are fundamental in ensuring an effective, healthy and sustainable corporate development of the Group. Through establishing policies, strengthening internal controls, preventing and managing risks, and making timely, transparent and comprehensive information disclosure, the Group is devoted to creating long-term value to the stakeholders and building a sustainable future.

### Corporate Governance Structure for Sustainable Development

The Group has established a sustainable corporate governance structure. To ensure that the visions and missions of sustainable development are integrated in its operations, the Group's corporate governance structure stipulates the responsibilities of the committees of the Board (the "**Board Committees**"), departments and project companies, under the supervision of the Board.

加強企業管治和風險管理是確保本集團高效、健康和可持續企業發展的基礎。本集團通過制定規章制度、強化內部控制及風險防範與管理，以及適時、公開及全面的信息披露，致力為持份者創造長遠價值，使本集團得以建立可持續的未來。

### 可持續發展管治架構

本集團建立了可持續發展管治架構，明確了在董事會監督下各董事會轄屬委員會（「**董事會委員會**」）、部門以及項目公司的職責，以確保將可持續發展願景及使命融入本集團的運營。

#### Top-level governance body 最高管治機構

#### The Board 董事會

Responsible for identifying the key stakeholder groups, considering the sustainability issues as part of the Group's strategic formulation and assuming responsibility for corporate governance, etc.

負責識別關鍵的持份者群體，在制定本集團戰略時考慮可持續性問題，承擔企業管治的責任等。

#### Board Committee level 董事會委員會層面

#### Strategy Committee 戰略委員會

Responsible for assisting the Board in providing strategic directions to the Group, and overseeing the implementation and management of the ESG factors that are material to the business of the Group.

負責協助董事會制定本集團的戰略方向，監督對本集團業務有重大影響的環境、社會及管治因素的實行和管理。

#### Management Committee 管理委員會

Responsible for the decision-making and management of significant topics in relation to the Group's social responsibility.

負責與本集團社會責任相關之重大議題的決策和管理。

**Functional departments at headquarter level**

總部職能部門層面

**Operations Management Department/Safety and Environment Management Department/Legal & Risk Management Department**

運營管理部／安全與環境管理部／法律及風險管理部

Responsible for overseeing the sustainability performance of the Group and each of its project companies.

負責監督本集團以及每個項目公司的可持續發展績效。

**Project level**

項目層面

**Safety and Environment Management Department/Specialist**

安全與環境管理部／專員

Safety and Environment Management Department/specialist is established/appointed in all projects under construction and in operation, responsible for implementing the sustainable development plans and monitoring the sustainability performance of the projects.

所有在建及運營項目均設有／委任安全與環境管理部／專員，負責落實可持續發展計劃及監督項目的可持續發展表現。

In addition to the support from the functional departments at headquarter, the Group invites external consultants to provide regular trainings to the Directors and share with them the latest information on trending issues (e.g. regulatory updates, economic, environmental and social issues), with a view to continuously enhancing the Directors' leadership in sustainable development practices. The Board also reviews issues related to the Group's sustainable development regularly, and reviews and approves the sustainability report.

除了得到總部各職能部門之輔助外，為持續提升董事們在領導可持續發展工作方面的能力，本集團定期邀請外部顧問為董事提供熱門課題（如最新法規、經濟、環境、社會事務）的培訓及資料。董事會還定期檢視本集團的可持續發展議題，並審閱及審批可持續發展報告。



## ESHS Management

Following the increasingly stringent environmental policies and regulatory framework in China, the Group believes that maintaining stable and good operations management is an important responsibility as a water environment management company. With the aim of integrating policies and requirements into the operational practices, improving the entire environmental and social management process, as well as ensuring that the Group undertakes the health and safety responsibility relating to its products and services, the Group has implemented the Environment, Safety, Health and Social Responsibility (“**ESHS**”) Management System (“**ESHS Management System**”) since 2016. The system includes four sections, namely environmental management, safe production management, occupational health management, and social responsibility management. The Group has introduced well-established international and local environmental, safety, occupational health and social responsibility management systems and experiences, in order to strictly comply with laws and regulations related to environmental protection, safe production, occupational health and social responsibility. Implementation of the system not only promotes sustainable development within the Group, but also extends its environmental sustainability and safety culture and policies to the supply chain. During the Reporting Period, the Group continued enhancing the implementation of the ESHS Management System at corporate level and across all project companies, standardise the management of all aspects throughout project investment, construction and operation, so as to optimise the environmental and social performance of the Group.

The Group has also been actively evaluating its environmental and social performance against internationally recognised standards, including the World Bank Group’s *Environmental, Health, and Safety Guidelines*, and has been regularly submitting monitoring reports to International Finance Corporation (“**IFC**”) since 2016. Such monitoring reports cover all projects of the Group, including projects in the preparatory stage, projects under construction, projects that completed construction and projects in operation.

## ESHS管理

隨著中國環保行業政策及監管框架日趨嚴格，本集團深信維持穩定和良好的企業運營管理是作為水環境綜合治理環保企業的重要職責。為進一步加強制度要求和運營實踐的有效結合，完善環境與社會管理流程，確保本集團承擔產品和服務的健康安全責任，本集團於二零一六年起全面實施環境、安全、健康及社會責任（「**ESHS**」）管理體系（「**ESHS管理體系**」）。該體系包括環境管理、安全生產管理、職業健康管理、社會責任管理四個部分，引進國際、國內完善的環境、安全、職業健康、社會責任管理體系和經驗，以嚴格遵守關於環境保護、安全生產、職業健康與社會責任的法規。該制度不僅促進本集團內部的可持續發展，更將可持續的環境發展與安全文化和政策延伸到本集團的供應鏈中。報告期內，本集團繼續推動ESHS管理體系在本集團層面與所有項目公司內的實施，實現項目投資、建設及運營過程中各環節的規範化管理，優化本集團的環境和社會績效。

本集團亦積極按照世界銀行集團《環境、健康和 safety 指南》等國際認可的標準評估其環境及社會表現，並自二零一六年起定期向國際金融公司（「**IFC**」）提交監測報告。監測報告的範圍涵蓋本集團的所有項目，包括籌建項目、在建項目、建成完工項目及運營項目。

## Business Principles

The Group has formulated prudent policies and measures to promote and maintain integrity. The Group's *Code of Conduct* provides clear guidelines for employees' behaviours, including issues such as equal opportunity, anti-discrimination, prevention of bribery, prevention of extortion, anti-fraud and anti-money laundering, and safeguarding employees' benefits and welfare. The Group requires all employees to strictly comply with the *Code of Conduct*, adhere to the honest and pragmatic management guidelines, and uphold ethics in business operations.

## Anti-Corruption and Prevention of Anti-Competitive Behaviour

To strengthen the anti-corruption practice and enhance employees' awareness of conflicts of interest and integrity issues, the Group provided employees with trainings on anti-corruption during the year under review. Striving to reduce the risk on corruption, the Group has actively strengthened the culture of integrity and consistently incorporated anti-corruption in its governance at all business levels.

## Protection of Third-Party Privacy and Intellectual Property

The Group is devoted to protecting the privacy of third-parties. The *Privacy Policy* of the Group sets out the scope, standards, and procedures for employees and suppliers to handle privacy and information of third-parties. In addition, the Group requires all parties to respect intellectual property rights by including the anti-copyright infringement terms in the policy. Its employees are also required to comply with the relevant legal requirements related to collecting, possessing, processing, disclosing and using the personal data.

## Policy for Whistleblowing

An email address and a dedicated telephone number that is available in local languages are established to provide employees with an official whistleblowing channel to contact the chairman of the Audit Committee directly. Whistle-blowers are also able to contact the chief executive officer of the Company (the "CEO") directly through the CEO's email address which is available on the Company's website. Employees can report any misconduct, malpractice and irregularities in relation to the Group in strict confidentiality. All concerns or irregularities raised will be treated as confidential information and all efforts will be made to ensure that impartial and independent investigation is carried out and appropriate follow-up action is taken.

## 營商原則

本集團制定了審慎的政策和措施，推廣及維持誠信文化。本集團的《行為守則》為員工的行為提供清晰指引，包括平等機會、反歧視、防止賄賂、防止勒索、反欺詐及反洗錢，以及保障員工待遇和福利等議題。本集團要求所有員工嚴格遵守該守則，並在業務運作中秉承誠信與務實的管理方針並堅持道德操守。

## 防止貪腐及反競爭行為

為加強反貪實踐與員工對利益衝突及誠信事宜的警覺性，本集團於回顧年度內為員工提供了防止貪腐的培訓。本集團積極增進誠信文化，在各業務層面一直貫徹反貪腐的管治，致力減低貪腐風險。

## 保護第三方私隱及知識產權

本集團矢志保護第三方的個人私隱。本集團的《私隱政策》清楚列明員工及供應商在處理第三方私隱及資料時的範圍、標準及程序。此外，該政策亦包含了防止侵犯版權的條款，務求各方尊重知識產權。本集團亦要求員工遵守有關收集、管有、處理、披露及使用個人資料的適用法律規定。

## 舉報政策

本集團設立了接收舉報的電子郵箱和提供當地語言的專線電話，旨在提供正式舉報渠道，讓員工可以直接聯繫審計委員會主席。舉報人也可通過本公司總裁（「總裁」）的電子郵箱（已在本公司網站上公佈）直接和他取得聯繫。員工可在保密情況下舉報與本集團有關的任何不當、失職及違規行為。被提出的所有關注事項或違規行為都將被視為保密信息，本集團將確保妥善安排公平獨立的調查並作出適當跟進。

## Risk Management

The Group attaches great importance to risk management and has actively established systematic, standardised and efficient Risk Management System as well as an internal monitoring system to guarantee the continuous improvement and advancement on internal controls.

The Group has established an efficient risk management structure. It is devoted to preventing risks at source through establishing a three-tier risk control mechanism comprising project companies, functional departments at the headquarter, the Legal & Risk Management Department and the Internal Audit Department. The Group has also set up special committees such as the Risk Assessment Committee and the Engineering and Technology Committee, to strengthen the specialised review and effectiveness of the progress on critical issues.

In addition, the Group makes unremitting efforts to carry out annual risk assessments to identify, control and regulate various types of risks faced by the Group. Besides, as an environmental enterprise which is closely connected with the water cycle, the Group recognises that significant risks may be presented to its business arising from the climate change. Therefore, the Group is devoted to identifying relevant climate change risks and opportunities at all levels of its business, which include categories such as extreme weather, changes on policies, environmental compliance, technology and innovation. Regular reviews and updates are also carried out. The Group is committed to mitigating, adapting and combating negative impacts brought by climate change to its business.

## 風險管理

本集團高度重視風險管理，積極建立系統、規範、高效的風險管理體系和內部監控系統，保障內部控制的不斷完善與進步。

本集團建立了高效的風險管理架構，並透過項目公司、總部各職能部門、法律及風險管理部和內審部的三道風險控制防線，致力從源頭防範風險。本集團亦設立了風險評審委員會、工程技術委員會等專項委員會，強化了對於重點事項的專業審計及有效推進。

此外，本集團堅持每年進行風險評估，以對本集團面臨的各類風險進行識別及管控。另外，作為與水循環密切相關的環境從業者，本集團深知氣候變化可能對業務構成重大風險。因此，本集團致力在所有業務層面識別相關的氣候變化風險與機遇（其中包括極端天氣、政策改變、環境合規、科技與創新等範疇），並會定期作出檢視與更新。本集團承諾以行動減緩、適應及抗禦氣候變化對業務所帶來的負面影響。

For the details of risk management and risk evaluation in 2019, please refer to the Annual Report 2019.  
有關風險管理及二零一九年風險評估的詳情，請參閱二零一九年度報告。

## Supply Chain Management

Everbright Water always regards suppliers as important partners and persists on co-operating with each supplier in a fair and transparent approach. The Group is always committed to supporting and promoting the local development at all provinces, municipalities and autonomous regions (the “**provinces**”) in China. Thus, when the Group develops business across the country, preference is given to the suppliers in the same province.

As at 31 December 2019, the Group engaged a total of 2,188 suppliers, over 98% of which were from Mainland China. The principal services provided by these suppliers included equipment fitting, installation and construction, and the number of suppliers which provided services to the project companies within the same province is approximately 70.30% of the total suppliers. The Group outsourced services such as environmental monitoring, equipment maintenance, cleaning, security and greenery, involving 4,358 on-site outsourced workers.

## 供應鏈管理

光大水務一直將供應商視為重要夥伴，並堅持以公平、開放的方式與各供應商合作。本集團一向以扶持及促進中國各省、市及自治區（「**省份**」）的當地發展為己任，因此，本集團於全國各地發展業務時，會優先選用位於同省份的供應商合作。

截至二零一九年十二月三十一日，與本集團建立合作關係的供應商共有2,188家，其中超過98%均位於中國內地，主要服務包括設備配置、安裝與工程建設，其中為同省份的項目公司提供服務的供應商數目佔整體約70.30%。本集團的外判服務包括環境監測、設備維修、清潔、保安和綠化等，共涉及4,358名駐場外判工人。

### Number of On-Site Outsourced Workers in 2019

二零一九年駐場外判工人數目



## Supplier Management Measures

The Group continuously communicates with suppliers and is devoted to exerting a positive influence on the supply chain. To identify and minimise the environmental and social risks in the supply chain, Everbright Water has formulated and implemented a series of supplier management guidelines and integrated the environmental and social management into all processes of the supply chain.

The Group's *Contractors ESHS Management Measures* require reviewing the background, qualifications, construction operations and environmental performance of the Group's contractors in order to identify and control the relevant environmental, social and safety risks derived from the contracted work process. Contractors are required to complete the "Contractors ESHS Questionnaire" to provide relevant ESHS information to assist the Group in compiling a list of approved contractors, and to ensure that suppliers and contractors comply with the rules and regulations related to environmental and social management, as well as applicable national and local regulations. The information required to be submitted includes whether the contractor obtains any international environmental management system certificates such as ISO 14001, conducts ESHS trainings and assessments, and provides employees with appropriate protection equipment.

In addition, the Group conducts continuous evaluation on the suppliers' proficiency, financial status and compliance records in accordance with the *Supplier Management Measures*, and categorises suppliers into four grades namely A, B, C and D. Business relationship may be terminated if the suppliers with the lowest grade fail to prove that they are capable of fulfilling the Group's requirements. Also, the Group further guides its business partners to enhance their sustainability performance through relevant policies and guidelines, including *Tender Management Measures* and *Management Measures for Appraisal Expert Database of Project Construction Procurement*.

## 供應商管理準則

本集團持續與供應商進行溝通並致力於讓供應鏈發揮正面影響。為了識別並降低供應鏈中的環境與社會風險，光大水務特別制定並落實一系列供應商管理準則，將環境與社會管理落實到供應鏈的各個流程內。

本集團的《承包商ESHS管理標準》旨在透過審視承包商各方面的情況，包括背景、資質、施工作業及環保表現，藉此識別和控制工作外包過程中產生的與環境、社會和安全相關的風險。承包商需要填寫「承包商ESHS問卷調查表」，提供相關的ESHS資料以協助本集團整理達標承包商名單，並確保供應商和承包商遵守環境和社會責任的管理條例和法規，以及適用國家和地方政府的規定。要求提交的信息包括承包商是否擁有ISO 14001等國際環境管理標準認證、是否進行ESHS培訓與考核、是否為員工提供適當的保護裝備等。

此外，本集團採用的《供應商管理辦法》按照供應商的專業水平、財務狀況及合規記錄等對現有供應商進行持續評估，將供應商劃分為A、B、C、D四個等級，最低等級的供應商若未能證明能夠達到本集團的要求，本集團或會終止與其合作。本集團的《招標管理辦法》及《工程建設採購評審專家庫管理辦法》等相關制度亦進一步引領業務夥伴提升其可持續發展表現。

Furthermore, the *Code of Conduct for Suppliers* systematically regulates suppliers' economic, environmental and social behaviours in an effort to enhance the sustainability performance of the supply chain. The *Code of Conduct* also encourages the Group's suppliers to treat their sub-suppliers with the same standards so as to enhance the sustainability of the entire supply chain. All suppliers shall comply with the *Code of Conduct for Suppliers* during their course of business with the Group or participation in any events related to the Group. Meanwhile, the Group, by referring to the *Code of Conduct for Suppliers*, assesses whether suppliers are involved in any misconduct, so as to join hands with suppliers to enhance the sustainable development performance along the supply chain.

《供應商行為準則》以系統性的方式規範供應商在經濟、環境及社會領域的行為，旨在鼓勵供應商履行並共同提高供應鏈的可持續發展表現。該行為準則更鼓勵本集團的供應商以相同的標準對待他們的從屬供應商，以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往來或參與任何與本集團有關的活動時都應遵守此準則。本集團亦參照《供應商行為準則》評估供應商是否存在用工不當的行為，藉此與供應商共同提高供應鏈的可持續發展表現。

### Key Points for the Code of Conduct for Suppliers

#### 供應商行為準則要點

##### Economic 經濟

The Group requires its suppliers to carry out and operate businesses with ethics and integrity. Suppliers are also obliged to comply with relevant local and international laws and regulations.

本集團規定供應商進行業務活動時應從道德角度出發，以誠實的態度進行經營，並遵守當地和國際的相關法律法規。

##### Environmental 環境

The Group requires its suppliers to minimise the negative impacts to the environment during their operations and strengthen environmental monitoring of environmental issues.

本集團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。

##### Social 社會

The Group requires its suppliers to comply with relevant national labour policies and legislation, which include prevention of slavery, forced and bonded labour, child labour and abusive employment practices. Suppliers are also obliged to safeguard human rights of the employees and take due considerations of public welfare.

本集團要求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。

##### Management System 管理制度

Suppliers are encouraged to have appropriate supplier management systems to foster sustainable development of their sub-suppliers.

本集團鼓勵供應商制定適當的供應商管理體系，以促進其從屬供應商的可持續發展。

## Supplier Sustainability Risk Assessment

The Group extends the ESHS Management System along the supply chain by commissioning an independent consultant to carry out a supplier sustainability risk assessment in order to thoroughly understand the ESHS performance of various suppliers. In 2019, the Group invited about 50 key suppliers to complete questionnaires. Business natures of suppliers comprise electrical equipment, pumping equipment, water treatment equipment, etc. The scope of the assessment mainly includes the qualifications of suppliers in terms of production, operation and safety, etc., as well as management systems relating to quality, environment and society, etc.

The outcome of the sustainability risk assessment reflected the Group's effectiveness in managing the ESHS performance of its suppliers. None of the assessed suppliers indicated that they were involved in any ongoing commercial litigation, or prosecuted or fined by the relevant authorities on environmental and social issues. In addition, majority of the suppliers assessed have been applying for or have already obtained international certifications for management standards such as ISO 9000, ISO 14001 and OHSAS 18001/ISO 45001. 53% of the surveyed suppliers have established occupational health and safety policies, with relevant trainings provided to the employees. None of the surveyed suppliers indicated that they had any safety accident over the past 3 years.

In order to review the implementation and performance of its suppliers on corporate social responsibility, the Group, according to the assessment results, categorised suppliers' risks into low, medium, and high levels. In this assessment, 63% of the surveyed suppliers were classified as low risk while the rest were classified as medium risk, and no supplier fell into the high-risk category. In order to assist the suppliers with higher risks to improve their management, the Group actively investigated their situations and provided suggestions, so as to ensure their risks could be effectively controlled. In the future, the Group will facilitate the sustainable development along the supply chain through continuously monitoring the suppliers' performance and maintaining close communication with each other.

## 供應商可持續風險評估

本集團把ESHS管理體系伸延到供應鏈中，並邀請獨立顧問為本集團的供應商進行可持續風險評估，深入了解各類型的供應商於ESHS方面的表現。於二零一九年，本集團邀請了約50家主要供應商作問卷調查。供應商的業務涵蓋了電力設備、泵類設備、水處理設備等。評估的範圍主要包括供應商的生產、經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。

本次的可持續風險評估結果反映本集團對其供應商的ESHS表現的管理取得成效。被評估的所有供應商均在評估中表示企業沒有正在進行的商業訴訟，也未被有關部門就環境問題作出檢控或罰款。另外，大部分被評估的供應商均正在申請或已擁有了ISO 9000、ISO 14001及OHSAS 18001/ISO 45001等國際認證；53%的受訪供應商制定了職業健康與安全政策，並為員工提供了相關培訓；所有受訪供應商均表示在過去三年沒有發生過安全事故。

為了檢視供應商在企業社會責任的實踐與績效，本集團以評估結果為參考，將供應商的風險分為低、中、高三個等級。在本次評估中，63%的受訪供應商屬於低風險，其餘均屬於中風險，沒有供應商落入高風險的類別。為了協助較高風險供應商改善其管理，本集團積極探討情況並提出建議，確保其風險可被有效控制。在未來，本集團會持續監察供應商的表現，保持各方的緊密溝通，促進供應鏈的可持續發展。

We closely co-operate with stakeholders and  
**MAKE ACCOMPLISHMENTS HAND IN HAND**

與持份者緊密合作，攜手共創輝煌





The Group maintains constant interaction and close communication with its stakeholders through various channels in order to proactively understand their needs and concerns. The Group is devoted to maintaining mutual trust with stakeholders and continuing meeting their expectations.

### Key Stakeholders and Channels for Participation

Everbright Water's business involves various types of stakeholders, including investors/shareholders, government, customers, business partners/suppliers, employees, villagers/local communities, non-governmental organisations ("NGOs"), investment analysts, and media. The stakeholders are identified based on the five principles listed below.

Responsibility 責任	Influential Power 影響力	Proximity 鄰近性	Dependency 倚靠性	Representativeness 代表性
Stakeholders linked to the Group through legal, financial, operational procedures, contracts, and/or policies 通過法律、財務、運營規則、合約及／或政策與本集團聯繫的持份者	Stakeholders with formal decision-making power or informal influence on the Group 對本集團具有正式決策權或非正式影響力的持份者	Stakeholders who live closely to the Group's operations and whom the Group interacts closely with 居於本集團運營廠房附近及與本集團的日常運作關係密切的持份者	Stakeholders who are highly dependent on the Group's business operations 在很大程度上倚靠本集團業務運營的持份者	Stakeholders who are representing the sectors which are closely connected with the Group 來自與本集團聯繫最緊密的業界代表的持份者

From planning until operation stages of the projects, the Group invites stakeholders on a regular basis to express their views on sustainability of the Group. By this means, the Group identifies priority issues within all its operations and the associated concerns relevant to sustainability in order to formulate effective development strategies.



集團透過各類渠道與不同界別的持份者緊密溝通，主動聆聽他們的需求及關注，致力維繫與持份者之間的互信關係及持續達到他們的期望。

### 主要持份者及參與渠道

光大水務的業務涉及多個持份者組別，包括投資者／股東、政府、客戶、業務夥伴／供應商、員工、村民／當地社區、非政府組織（「非政府組織」）、投資分析員及媒體。持份者的界定基於以下五個原則：

本集團從項目規劃至運營階段之間，均定期邀請持份者對本集團的可持續發展發表意見。通過此種方式，本集團識別所有運營項目中的優先議題及備受關注的可持續性相關事項，從而制定有效的發展戰略。





### Investors/Shareholders

投資者／股東

#### Annual/ special general meeting –

Annually/as needed  
周年／特別股東大會－  
每年／根據需要

#### Press release/ announcement/circular –

Regularly/as needed  
新聞稿／公告／通函－  
定期／根據需要

#### Results presentation –

Quarterly/semi-annually  
業績公佈－  
季度／半年

#### Interim/annual report –

Semi-annually/annually  
中期／年度報告－  
半年／每年

#### Roadshow –

Regularly/as needed  
路演－  
定期／根據需要

#### Meeting/teleconference –

Regularly/as needed/  
upon request  
會議／電話會議－  
定期／根據需要／根據需求

#### Site visit –

Regularly/as needed/  
upon request  
現場考察－  
定期／根據需要／根據需求



### Government

政府

#### Progress report –

Weekly/monthly/quarterly  
進度報告－  
每週／月／季度

#### Site visit –

Weekly/monthly/quarterly  
現場考察－  
每週／月／季度

#### Meeting –

Weekly/monthly/quarterly  
會議－  
每週／月／季度

#### WeChat and QQ –

As needed  
微信及QQ－  
根據需要

#### Phone/email –

Weekly/monthly/quarterly  
電話／電郵聯繫－  
每週／月／季度

#### Survey on customer satisfaction –

Annually  
客戶滿意度調查－  
每年



### Customers

客戶

#### Meeting –

As needed  
會議－  
根據需要

#### Phone/email –

As needed  
電話／電郵聯繫－  
根據需要

#### Survey on customer satisfaction –

Annually  
客戶滿意度調查－  
每年



### Business Partners/Suppliers

業務夥伴／供應商

#### Pre-tender meeting –

Every tender event  
採購招標會 –  
每次招標活動

#### Phone interview –

As needed  
電話回訪 –  
根據需要

#### Questionnaire –

Ad hoc  
意見調查 –  
不定期

#### WeChat and QQ –

As needed  
微信及QQ –  
根據需要



### Employees

員工

#### Work meeting/ project meeting –

Regularly  
工作會議／專題會議 –  
定期

#### Interim/year-end performance assessment meeting –

Interim/year-end  
年中／年末表現評估會議 –  
年中／年末

#### Everbright publications –

Monthly  
光大刊物 –  
每月

#### Charity –

As needed  
公益活動 –  
根據需要

#### Face-to-face meeting –

As requested by employees  
當面會談 –  
根據員工需要

#### Email –

Regularly/as needed  
電郵聯繫 –  
定期／根據需要

#### Phone meeting –

As requested by employees  
電話會議 –  
根據員工需要



### Villagers/Local Communities

村民／當地社區

#### Project visit/site visit –

Before construction/public open  
day on the first weekend of every  
month/ upon request  
項目參觀／現場考察 –  
工程施工前／每月第一個週末之  
公眾開放日／根據需求

#### Survey –

Before construction/as needed  
意見調查 –  
工程施工前／根據需要

#### Public hearing –

Before construction/as needed  
公聽會 –  
工程施工前／根據需要

#### Charity –

As needed  
公益活動 –  
根據需要



**NGOs**  
非政府組織

**Charity –**  
As needed  
公益活動 –  
根據需要

**Site visit –**  
Regularly/as needed  
現場考察 –  
定期/根據需要

**Meeting –**  
As needed  
會議 –  
根據需要



**Investment Analysts**  
投資分析員

**Project visit/site visit –**  
As needed/upon request  
項目參觀/現場考察 –  
根據需要/根據需求

**Meeting –**  
Quarterly/as needed  
會議 –  
季度/根據需要

**Press release/announcement –**  
Regularly/as needed  
新聞稿/公告 –  
定期/根據需要

**Results presentation –**  
Quarterly/semi-annually  
業績公佈 –  
季度/半年

**Interim/annual report –**  
Semi-annually/annually  
中期/年度報告 –  
半年/每年



**Media**  
媒體

**Project visit/site visit –**  
As needed/upon request  
項目參觀/現場考察 –  
根據需要/根據需求

**Press release/announcement –**  
Regularly/as needed  
新聞稿/公告 –  
定期/根據需要

**Results presentation –**  
Release on the Company's  
website quarterly  
業績公佈 –  
每季度於本公司網站發佈

**Management interview –**  
Regularly/as needed/upon request  
管理層採訪 –  
定期/根據需要/根據需求

## Materiality Assessment

With the assistance of an independent sustainability consultant, the Group conducts annual materiality assessment to comprehensively review and revise the list of relevant sustainability issues. The assessment ranks issues identified from stakeholder engagement processes based on its priority to determine the ESG issues that are most concerned by the Group and its stakeholders, resulting in optimised allocation of resources. Such assessment also enables the communication and reporting on sustainability issues more concisely.

The materiality assessment was conducted in four stages for 2019 as follows:

## 實質性評估

本集團每年透過獨立可持續發展顧問進行實質性評估，以全面檢視及修訂本集團的可持續發展相關議題列表。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环境、社會及管治議題，從而優化資源分配。評估可以使可持續發展議題的報告和溝通更具針對性。

二零一九年的評估分為下列四個階段：





### Verification of Material Issues and Data Analysis

#### 驗證實質性議題及數據分析

The top 10 prioritised material topics and boundaries were verified by the Board to ensure the reasonableness, balance and completeness of the Report. Subsequently, the independent sustainability consultant reframed the material topics into the GRI Standards for reporting purpose. The established systematic data collection and monitoring mechanisms managed by the specialists in the Group's Operations Management Department to ensure that all project companies provide accurate sustainability data for comprehensive disclosure on a regular basis.

董事會對這十個經優先排序的實質性議題及其邊界作驗證，以確保本報告的合理性、平衡性及完整性。隨後，獨立可持續發展顧問將實質性議題轉換為GRI準則，方便報告之用。本集團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。



### Materiality Review

#### 檢視實質性

Prior to the preparation of the Report, the Group reviewed the material topics and disclosure in the previous sustainability reports and collected the stakeholders' opinions on Everbright Water's sustainability performance in 2019 through stakeholder survey. The materiality review engages stakeholders in the sustainable development management and disclosure process comprehensively, and is beneficial to the Group in accomplishing long-term sustainable development goals.

在準備本報告之前，本集團對過往可持續報告的實質性議題和披露工作進行了回顧及審閱，並通過持份者參與調查收集持份者對光大水務於二零一九年可持續發展表現的意見。實質性檢視有助持份者更全面地參與可持續發展的管理和披露過程，同時有利於本集團實踐長遠的可持續發展目標。



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

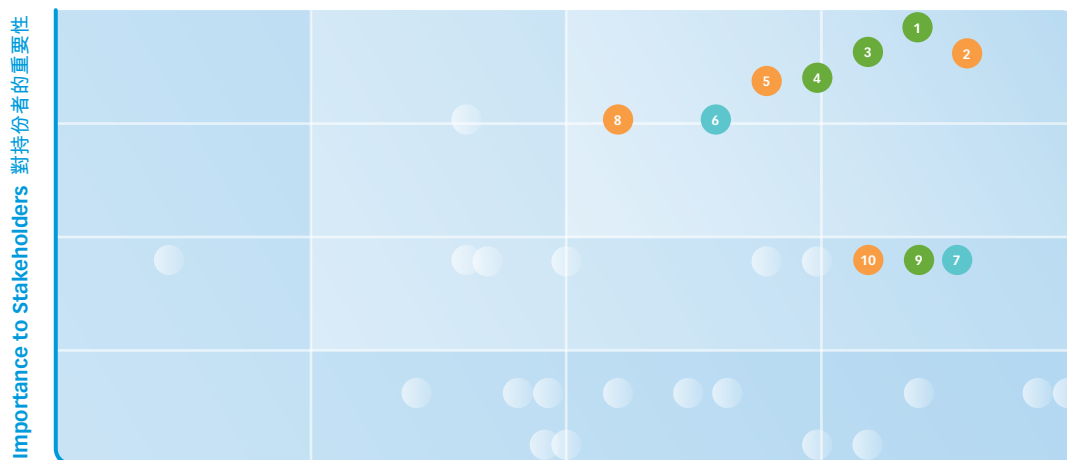


### Materiality Matrix

The result of the materiality assessment is shown in the matrix below, and the 10 prioritised material issues are converted into the GRI Standards.

### 實質性矩陣

本集團的實質性評估結果如下矩陣圖所示，十個經優先排序後的實質性議題已被轉換成GRI準則。



Significance of Economic, Environmental and Social Impacts 對經濟、環境和社會影響的顯著性

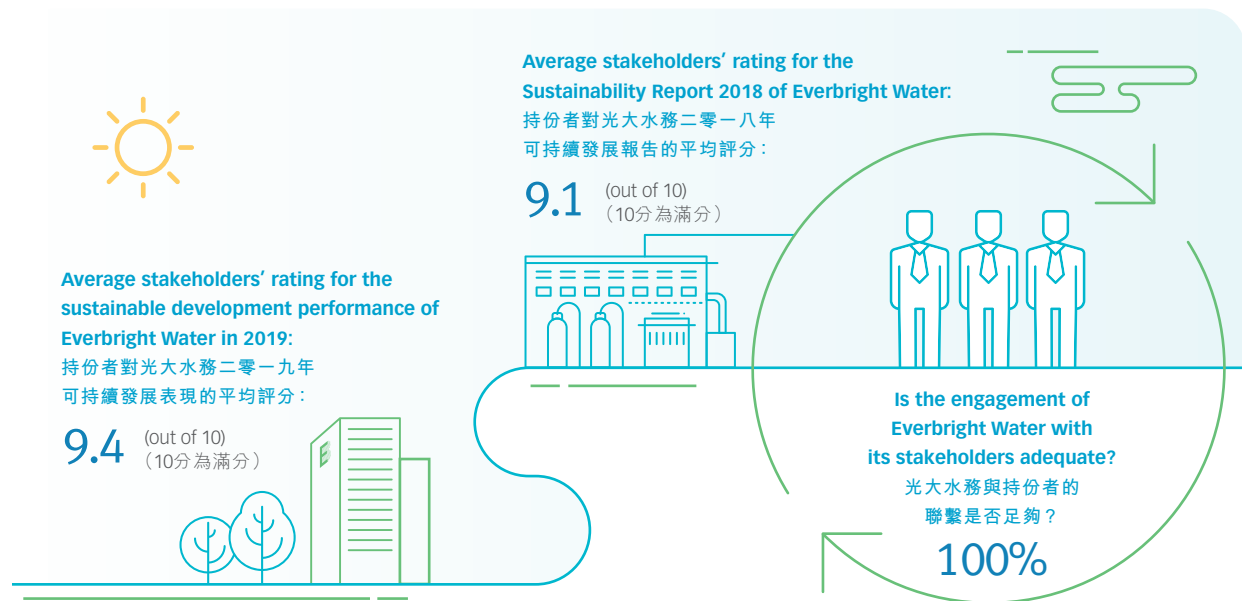


Material Topics 實質性議題	Impacts and Boundaries 影響及範圍									GRI Topic-Specific Standards GRI特定主題準則	Relevant SDGs 相關的 可持續發展目標
	Investors/ Shareholders 投資者/股東	Employees 員工	Government 政府	Villagers/ Local Communities 村民/ 當地社區	Customers 客戶	Business Partners/ Suppliers 業務夥伴/ 供應商	Investment Analysts 投資分析員	Media 媒體	Non- Governmental Organisations 非政府組織		
1 Environmental Compliance 環保合規	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 307 Environmental Compliance 有關環境保護的法規遵循	10. PEACE, JUSTICE AND STRONG INSTITUTIONS
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. GOOD HEALTH AND WELL-BEING
3 Waste Water Management 污水治理	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 306 Effluents and Waste 廢污水和廢棄物	6. CLEAN WATER AND SANITATION
4 Waste Management 廢物管理	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 306 Effluents and Waste 廢污水和廢棄物	6. CLEAN WATER AND SANITATION
5 Child Labour and Forced Labour 童工及強制勞動	✓	✓	✓					✓		GRI 408 Child Labor 童工 GRI 409 Forced or Compulsory Labor 強迫或強制勞動	10. PEACE, JUSTICE AND STRONG INSTITUTIONS
6 Anti-Corruption 反貪腐	✓	✓	✓	✓	✓	✓		✓		GRI 205 Anti-Corruption 反貪腐	10. PEACE, JUSTICE AND STRONG INSTITUTIONS
7 Economic Performance 經濟績效	✓	✓	✓	✓	✓	✓	✓	✓		GRI 201 Economic Performance 經濟績效	8. DECENT WORK AND ECONOMIC GROWTH
8 Rights of Indigenous Peoples 原住民權利	✓	✓	✓	✓				✓		GRI 411 Rights of Indigenous Peoples 原住民權利	10. REDUCED INEQUALITIES
9 Materials Usage 物料使用	✓	✓			✓	✓	✓	✓		GRI 301 Materials 物料	12. RESPONSIBLE CONSUMPTION AND PRODUCTION
10 Poverty Alleviation 扶貧	✓	✓	✓	✓						N/A 不適用	1. NO POVERTY



## Voice of Stakeholders

## 持份者聲音

**Government**

## 政府

Zibo Waste Water Treatment Project provided tremendous support and commitment to the livelihood in Zibo City.  
淄博污水處理項目對淄博市民生發展提供了巨大支持和保障。

**Business Partners/Suppliers**

## 商業夥伴／供應商

Everbright Water accelerated its project developments in all regions, supported the environmental industry, and contributed significantly to the society.  
光大水務加快了在所有區域的項目發展，支持環境產業，並付出更多的努力為社會服務。

**Employees**

## 員工

The Company's business has been continuously expanding, employment relation is amiable and harmonious, and communication across all levels is smooth and effective.  
本公司業務不斷擴大，員工關係和諧，公司上下保持溝通順暢有效。

We protect **LUSH MOUNTAINS AND LUCID WATER**,  
and devote to implementing green commitments

保護青山綠水，致力實踐綠色承諾



As an environmental protection company focusing on water environment management, Everbright Water is committed to improving the standards of environmental performance in project operations while providing high-quality water environment management solutions. The Group persistently develops the sustainable development plan from the perspectives of environmental protection and compliance. In terms of technology, Everbright Water upholds the development philosophy of “Innovation-Driven Development”, and gradually forms a full-service business chain in the water industry. The Group firmly defends the bottomline of “compliance with discharge standards” by establishing a comprehensive management system that can minimise the impact of harmful pollutants on the aquatic and terrestrial ecosystems.

### Environmental Management Approach

Following the increasingly stringent environmental policies and regulatory framework in China, the Group believes that maintaining robust and good operations management is an important responsibility as a water environment management company.

### Policy and System

With the full support and guidance of the experienced management team, the Group follows the sustainable operation model of “Taking Quality as the Top Mission and Keeping Efficiency as the Priority with Support by Scale” and strictly enforces the corporate policies on environmental management formulated by the Group.

作為一家以水環境綜合治理業務為主業的環保企業，光大水務在提供優質水環境綜合治理方案的同時，致力提升項目運營中環保績效的標準，堅持從環保、合規的角度為本集團勾畫可持續發展藍圖。在科技方面，光大水務堅持「創新引領發展」，已逐漸形成水務行業全產業鏈佈局，堅守「達標排放」的底線，並建立全面的管理體系將有害污染物對水體和陸上生態的污染降到最低。

### 環境管理方針

隨著中國環保行業政策及監管框架日趨嚴格，本集團深信維持穩建和良好的企業運營管理是作為水環境綜合治理環保企業的重要職責。

### 政策及體系

經資深管理團隊的帶領，本集團保持「品質第一、效益優先、規模助力」的可持續經營模式，嚴格遵守本集團的環境管理企業政策。

## Corporate Policies on Environmental Management

The policies set out important principles for the Group to implement environmental management and to minimise the burden that the Group may cause on the environment and natural resources. They also provide detailed guidance on the environmental impacts involved in the operation of the Group.

### Six key areas of the policies:



**Compliance**  
合規



**Risk management  
and due diligence**  
風險管理和  
盡職調查



**Environmental  
protection**  
環境保護



**Health and safety**  
健康和安全



**Supply chain  
management**  
供應商管理



**Monitoring and  
communication**  
監測和溝通

## 環境管理企業政策

該等政策為本集團細化落實環境管理提供了重要綱領，爭取最大程度降低本集團對環境及自然資源可能造成的負擔。政策亦對本集團運營中所涉的環境影響提供詳細指引。

### 政策的六大核心：

## Six key environmental guidelines of the policies

### 政策提出的六大環境指引

Air and GHG  
emissions  
廢氣及溫室氣體  
排放

Discharges into  
water and land  
向水及土地的  
排污

Generation  
and disposal of  
hazardous and non-  
hazardous waste  
有害及無害  
廢棄物的產生  
及處置方法

Energy  
能源

Water resources  
水資源

Raw materials  
原材料使用

In addition, the Group implemented advanced management systems such as ESHS Management System, Risk Management System and "Intelligent Water" Information Management System to standardise the management of its environmental and social impacts. This is to achieve a more professional, standardised, quantified and informative operations management. The Group has specifically formulated and implemented the *Contractors ESHS Management Measures*. Such measures require the Group to review the contractors in different aspects, including their background, qualifications, construction operations and environmental performance, in order to identify and control risks relating to environment, society and safety.

此外，本集團透過ESHS管理體系、風險管理體系及「智慧水務」信息管理體系，對其環境和社會影響進行規範化的管理，達致運營專業化、標準化、數量化和信息化。本集團特別制定並落實了《承包商ESHS管理標準》，旨在透過審視承包商各方面的情況，包括背景、資質、施工作業及環保表現等，以識別和控制與環境、社會和安全相關的風險。

The Group has also been actively evaluating its environmental and social performance against internationally recognised standards, including the World Bank Group's *Environmental, Health, and Safety Guidelines* and has been regularly submitting monitoring reports to IFC since 2016. The monitoring reports cover all projects of the Group, including projects in the preparatory stage, projects under construction, projects that completed construction and projects in operation. All of the Group's projects have obtained or are actively applying for international management standard certificates, including ISO 9001 Quality Management System, ISO 14001 Environmental Management System, and OHSAS 18001/ISO 45001 Occupational Health and Safety Management System.

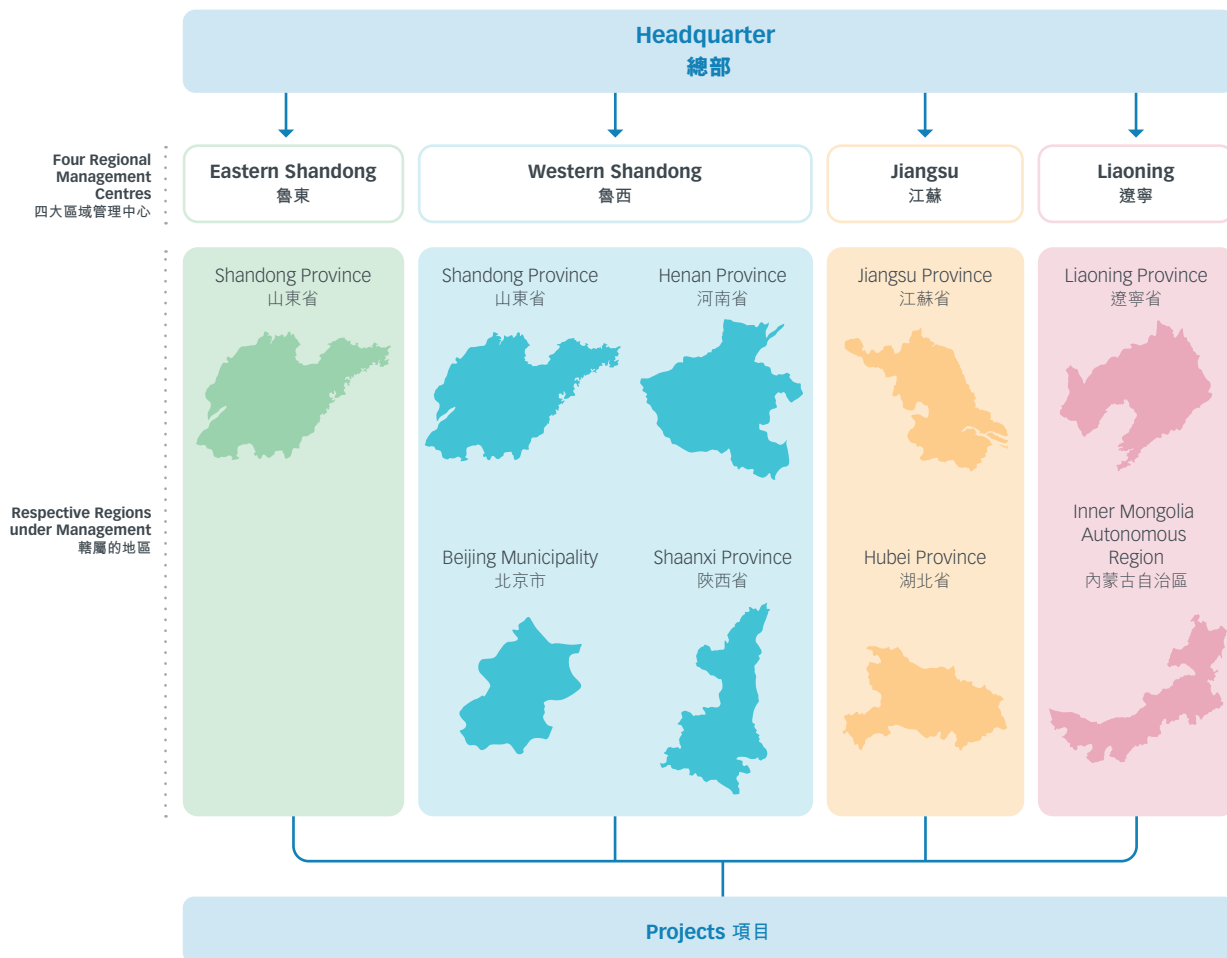
### Responsibilities and Division of Labour

To efficiently implement the Group's *Environmental Management Policy* and to develop a more robust long-term environmental management mechanism, the Group established the Safety and Environmental Management Department. Moreover, the Group adopted the Headquarter-Regional Management Centres-Projects management approach and set up four regional management centres in Eastern Shandong, Western Shandong, Jiangsu, and Liaoning respectively in 2016. In 2019, the Group set up safety and environment management organisations at the regional and project company levels. This approach is to flexibly deploy resources to suit different projects' needs, foster regional communications and exchanges, create synergies and enhance environmental management efficiency. The management approach clarifies the responsibilities and division of labour, which improves the overall sense of responsibility and risk prevention ability of the Group.

本集團亦積極按照世界銀行集團《環境、健康和安全管理指南》等國際認可的標準評估其環境及社會表現，並自二零一六年起定期向IFC提交監測報告。監測報告的範圍涵蓋本集團的所有項目，包括籌建項目、在建項目、建成完工項目及運營項目。本集團旗下所有項目均已獲得或正在積極申請各類相關體系管理證書，包括ISO 9001質量管理體系、ISO 14001環境管理體系及OHSAS 18001/ISO 45001職業健康安全體系。

### 責任與分工

為了高效落實本集團的《環境管理政策》，本集團成立了安全與環境管理部，建立更健全的環境管理長效機制。此外，本集團實施總部—區域—項目的管理模式，在二零一六年設立了魯東、魯西、江蘇和遼寧四大區域管理中心。於二零一九年，本集團在區域和項目公司層面也設置了安全與環境管理機構。這一管理模式針對不同地區的項目特點有效調動企業資源，並通過區域交流發揮協同效應，提高環境管理效率。該模式亦明確了責任與分工，使本集團整體的責任意識和防範風險的能力得到提升。



Note: Only projects in operation are managed by the Regional Management Management Centres while projects in preparatory stage or under construction are managed by the Construction Centre of the Group. Since the project located in Zhejiang Province is in preparatory stage and the project located in Guangxi Zhuang Autonomous Region is under construction, these regions are not included in the map.

附註：僅運營項目由區域管理中心管理，籌建或在建項目由本集團的工程中心管理。因位於浙江省的項目為籌建項目而位於廣西壯族自治區的項目為在建項目，此地圖並不包括該等地區。

## Environmental Disclosures

The Group strives to provide the public with transparent, reliable and comprehensive environmental information associated with its project operations, such as environmental impact assessment approvals, annual environmental monitoring plans, environmental emergency preparedness and response plans, etc. The Group uploads such information to its corporate website for public scrutiny, demonstrating its determination to undertake environmental and social responsibilities.

## 環境披露

本集團致力為公眾披露具透明度、可靠性及一致性的項目運營環境信息，如環評批覆、年度環境監測計劃、突發環境事件應急預案等。該等信息也被上載到本集團網站供公眾查閱，主動接受社會及公眾的監督，以顯示本集團全面履行環境及社會責任的決心。

## Environmental Performance

The demand for water has been increasing continuously in China and this intensifies the problem of water shortage. As a leading water environment management enterprise in China, the Group recognises the importance, urgency and challenges of environmental management. To ensure compliance with the applicable discharge standards, the Group adopts suitable waste water treatment processes to precisely remove components harmful to the environment and human health before the water is returned to nature. During the Reporting Period, there was no confirmed case of non-compliance in relation to environmental protection that would have a significant impact on the Group. In view of the Group's diverse business nature, its environmental performance is reported under the following seven aspects:

## 環境表現

中國用水需求不斷增長，水資源短缺問題愈發嚴重。作為中國領先的水環境綜合治理企業，本集團深明環境管理工作的重要性、緊迫性和艱巨性。本集團採用合適的污水處理工藝，在水體回流至大自然之前，精準地去除對環境與人類健康構成傷害的物質，以確保本集團遵守適用的排放標準。報告期內，本集團無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。根據業務性質，本集團依據以下七個範疇報告其環境表現：



Waste Water Treatment and Discharge Monitoring  
污水處理與出水監測



Odour Control  
氣味控制



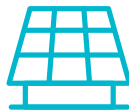
Sludge Treatment  
污泥處理



Waste Management  
廢物管理



Climate Resilience  
氣候變化的抗禦能力



Energy and Material Usage  
能源及物料使用



Utilisation of Water Resources  
水資源使用

## Waste Water Treatment and Discharge Monitoring

Through the network of its project companies across the country and a series of water environment treatment services including municipal and industrial waste water treatment and reusable water, the Group continues improving the environmental and hygiene conditions of water bodies in China. The projects greatly minimise the environmental damage caused by waste water discharge, and protect the health and well-being of the public.

### ***Shandong Ji'nan Waste Water Treatment Project (Plant 1) Phase 4 Expansion & (Plant 2) Phase 3 Expansion***

Ji'nan Waste Water Treatment Project has a daily designed waste water treatment capacity of 750,000 m<sup>3</sup>, and is the first project in a provincial capital in China that fully complies with the national Grade 1A standard for its discharged water. As a "National Municipal Golden Cup Demonstration Project", it was top-ranked for two consecutive years in a contest on municipal waste water treatment projects among 36 medium- and large-sized cities, which was launched by the Ministry of Housing and Urban-Rural Development of the PRC.

In 2018, the Group commenced construction of expansion projects with an aggregate daily designed waste water treatment capacity of 200,000 m<sup>3</sup> to plants 1 & 2 under the Ji'nan Waste Water Treatment Project. The waste water treatment processes adopted by these two expansion projects include pre-treatment, anaerobic-anoxic-aerobic ("A<sup>2</sup>O") process, membrane bioreactor ("MBR") and UV disinfection, and these expansion projects commenced operations in January 2019. The A<sup>2</sup>O plus MBR process is useful to remove organic and nitrogenous pollutants, hence improving the effluent quality.

## 污水處理與出水監測

通過遍佈全國的項目公司分佈網絡，利用市政及工業污水處理、中水回用等一系列水環境綜合治理服務，本集團持續提升中國水體狀況及其衛生標準，大幅度降低污水排放造成的環境損害，保障公眾的健康和福祉。

### ***山東濟南污水處理項目（一廠）四期擴建及（二廠）三期擴建***

濟南污水處理項目設計日處理污水總規模為75萬立方米，是國內首個省會城市全部執行國家一級A排放標準的項目，亦是「國家市政金杯示範工程」，並連續兩年獲中國住房和城鄉建設部組織的全國36個大中城市污水處理項目評比第一名。

於二零一八年，本集團對濟南污水處理項目一廠、二廠共進行設計污水處理規模20萬立方米／日的擴建，兩部分擴建工程的污水處理主體工藝均採用預處理 + 厭氧 - 缺氧 - 好氧法（「A<sup>2</sup>O」）工藝 + 膜生物反應器（「MBR」）+ 紫外線消毒，並於二零一九年一月投入運營。A<sup>2</sup>O + MBR工藝有助去除有機污染物和氮污染物，因而改善項目的出水水質。

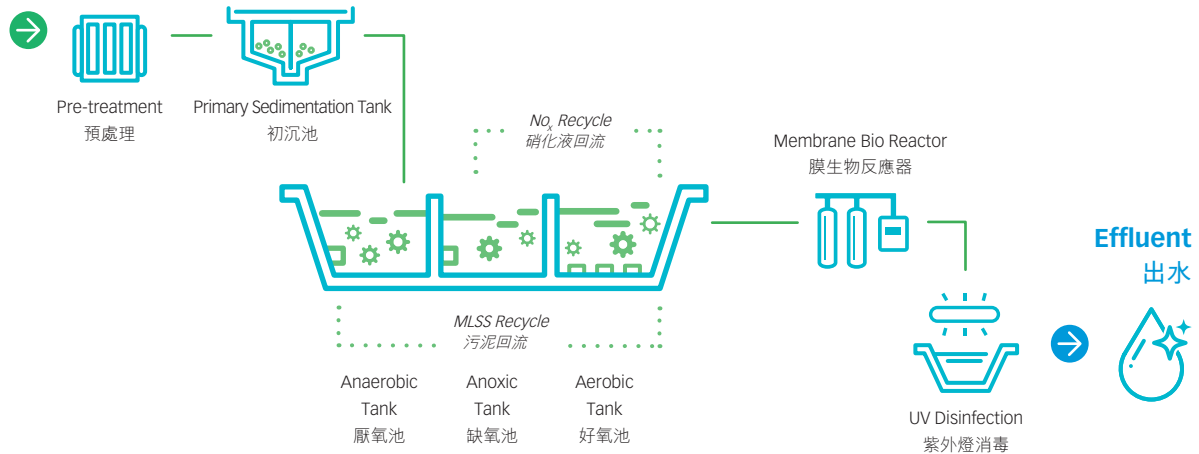


Key Process Flow of the Expansion Projects

擴建項目的主要工藝流程

Influent

進水



The Group applies stringent discharge standards to its waste water treatment projects. Through continuous upgrading works, water discharged from all of the Group's waste water treatment projects complies with the requirements as stipulated in the environmental impact assessment reports approved by the local governments<sup>(1)</sup>, whilst majority of the projects complying with Grade 1A standard of *Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002)*.

本集團為其污水處理項目採用嚴格的出水標準。通過持續的提標改造工程，在符合當地政府批准的環境影響評估報告中所有相關要求<sup>(1)</sup>的基礎上，大部分項目的出水水質更達到《城鎮污水處理廠污染物排放標準》(GB18918-2002)的一級A標準。

Note:

附註：

<sup>(1)</sup> Major effluent parameters regulated by relevant national regulations and standards include COD, biological oxygen demand, suspended solids, animal fats and vegetable oils, total nitrogen, ammoniacal nitrogen, total phosphorus, pH, colour, E. coli, mercury and other heavy metals (and their chemical compounds).

<sup>(1)</sup> 受相關國家規例及標準規管的出水指標主要包括COD、生物需氧量、懸浮物、動植物油、總氮、氨氮、總磷、酸鹼值、色度、糞大腸菌群數、汞及其他重金屬（及其化合物）。

*Everbright Water's Measures on Effluent Quality Control*

光大水務在控制出水水質方面的舉措



### Continuous Effluent Monitoring Systems

#### 持續出水監測系統

All the Group's waste water treatment projects installed continuous water monitoring systems which can promptly, accurately and continuously record effluent data.

本集團已在所有污水處理項目安裝了持續出水監測系統，以便能夠迅速、可靠和持續地記錄出水水質數據。



### Regular Monitoring by Third-Party Laboratories

#### 由第三方化驗所定期檢測出水樣本

To ensure the independence and impartiality of effluent monitoring results, each project company of the Group engages a third-party laboratory to regularly test effluent samples.

為確保所有污水處理項目的出水監測結果均透過獨立與公正的檢測程序得出，本集團旗下每一家項目公司均聘請第三方化驗所定期檢測出水樣本。

In 2019, the Group treated an aggregate of approximately 1,433,805,000 m<sup>3</sup> of waste water and reduced an aggregate of approximately 325,441 tonnes of COD.

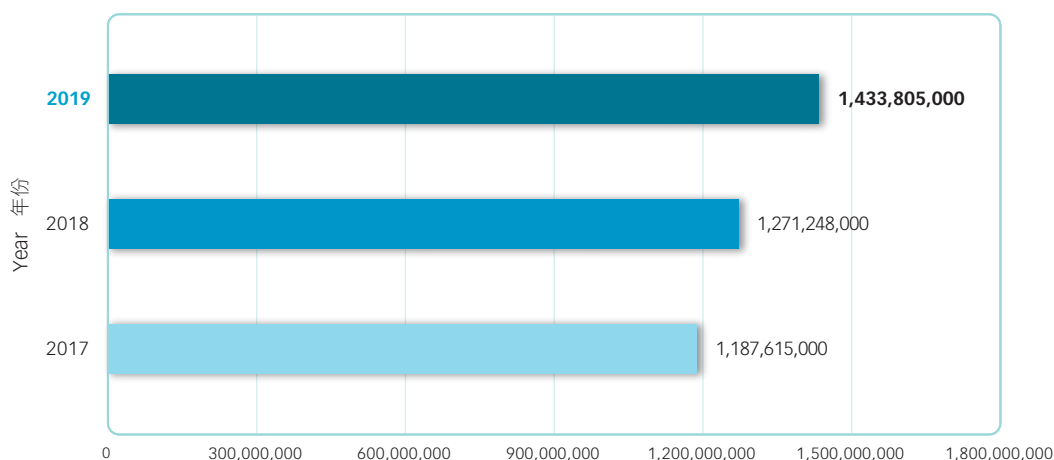
The Group's reusable water projects produced an aggregate of approximately 17,652,000 m<sup>3</sup> of reusable water.

二零一九年，本集團共處理約1,433,805,000立方米污水，同時減少了約325,441噸的COD排放。

本集團的中水回用項目共生產了約17,652,000立方米的回用水。

### Waste Water Treated in the Past Three Years

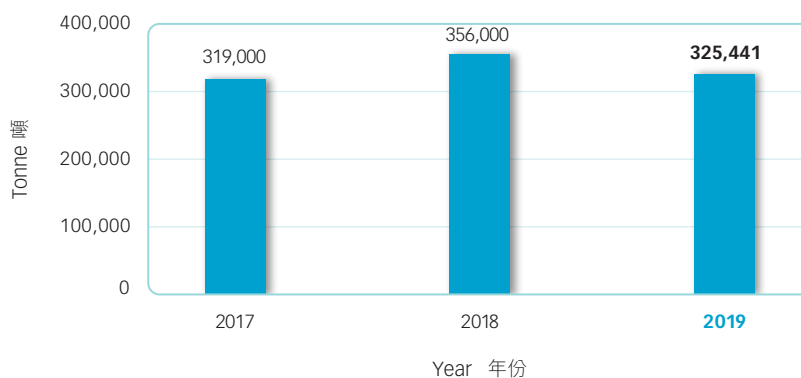
過往三年的污水處理量



Unit: m<sup>3</sup>  
單位：立方米

### COD Reduction in the Past Three Years

過往三年的COD 減排量



Note:

<sup>(1)</sup> During the year under review, the COD reduction data of Qingdao Waste Water Treatment Project (Haibohe Plant) was not included in the Report, which resulted in a decrease in the total amount of COD reduction.

附註：

<sup>(1)</sup> 於回顧年度內，青島污水處理項目（海泊河廠）的COD減排量並不包括在本報告內，因此導致總COD減排量減少。

### Odour Control

The Group's new biological deodorisation technologies are capable of adjusting the processing parameters in response to different types of odourous gases, reducing odour released from waste water treatment plants and making the facilities more environmentally friendly. All the Group's operating projects comply with the air emissions requirements as stipulated in *Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002)* or equivalent.

### 氣味控制

本集團的新型生物除臭系統可以根據不同類型的氣體調整處理參數，減少污水處理廠所釋放出的氣味，使工廠更加高效環保。本集團所有項目的運營均符合《城鎮污水處理廠污染物排放標準》(GB18918-2002)或同等標準中的大氣污染物排放要求。

## Sludge Treatment

Apart from strictly adhering to national standards such as *Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002)*, the Group also considers relevant international standards including the World Bank Group's *General Environmental, Health, and Safety Guidelines* and *Environmental, Health, and Safety Guidelines for Water and Sanitation* to reduce environmental impacts of sludge treatment and disposal.

## 污泥處理

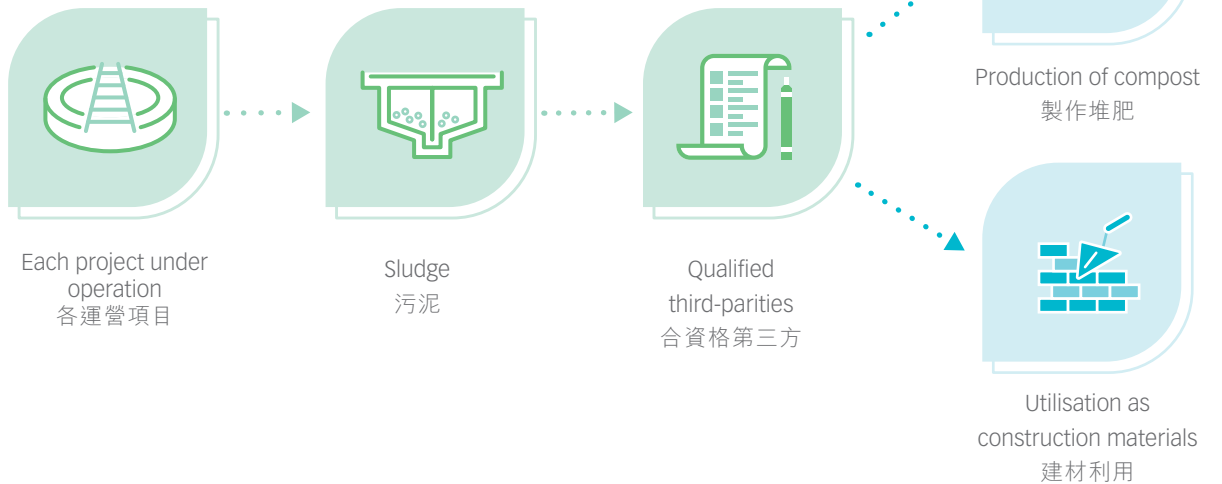
除嚴格執行《城鎮污水處理廠污染物排放標準》(GB18918-2002)等有關國家標準處理污水處理項目所產生的污泥外，本集團還將世界銀行集團的《通用環境、健康和安全管理指南》及《水與衛生環境、健康與安全管理指南》等相關國際標準納入考慮，以減少污泥處理與處置對環境的影響。

### Sludge Treatment Process

#### 污泥處理流程

Most of the treated sludge with satisfactory testing results is sent to qualified third-parties for further treatment, reuse and/or utilisation, such as production of compost, utilisation as construction materials, etc.

大部分經處理並通過檢測的污泥會被送到合資格第三方作進一步處理、循環再用及／或作綜合利用，如製作堆肥、建材利用等。





The remaining sludge that cannot be utilised is sent to designated landfills for disposal after undergoing dewatering process for reduction of water content and volume.

少數無法進行綜合利用的污泥則會先進行脫水以減少含水量及體積後再送到指定填埋場作填埋處理。

The Group continues pursuing development of new technologies and leveraging on its advantages on technological R&D. The breakthrough and accomplishment of the low-temperature sludge drying technology achieves sludge treatment stabilisation and a reduction of sludge weight by 60%. It is believed that high efficiency sludge treatment and reuse could be the game-changing technologies for the water sector in the future. As such, the Group will continue exploring low-cost and efficient sludge treatment and utilisation technologies (such as protein and phosphorus recovery technologies), to lead the industry towards environmental sustainability.

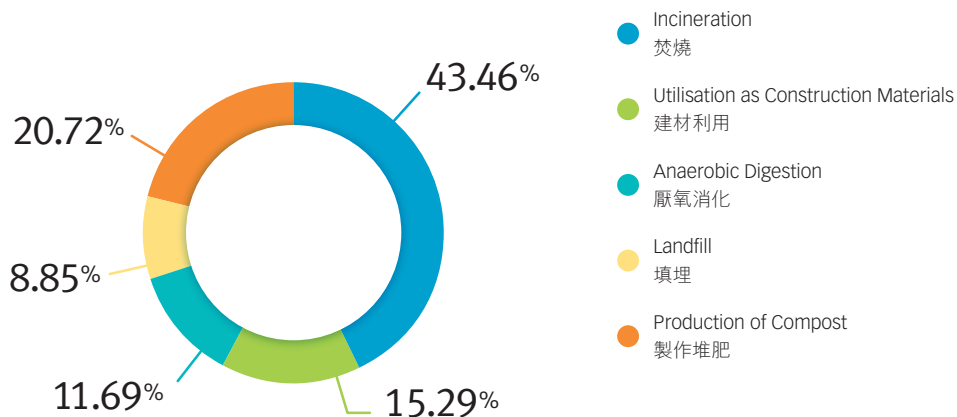
本集團繼續追求創新科技，利用自己的科研優勢成功完成了污泥低溫乾化技術的突破，對污泥進行穩定處理，將污泥重量減少60%。污泥的高效處理和再利用據信有望成為未來改變水務行業的革新技術，因此，本集團將繼續探索更低成本、高效率的污泥處理和綜合利用技術（如蛋白質和磷回收技術），推動整個行業朝更環保的可持續方向發展。

In 2019, the Group generated a total of approximately 936,000 tonnes of sludge.

二零一九年，本集團共產生了約936,000噸污泥。

**Sludge Generated from Waste Water Treatment Projects in 2019:  
Ultimate Treatment/Disposal by Third-Parties**

二零一九年污水處理項目所產生的污泥：經第三方最終處理／處置的方法



Total Sludge Generated  
污泥產生總量

936,000 tonnes  
噸

## Waste Management

The Group upholds the sustainable waste management concept of recycling and reusing, which are widely practised in the Group's operational facilities, offices and dormitories, etc. The Group recycles wastes such as paper, metal, plastics, food waste, and strives to implement its philosophy of optimising limited resources by taking solid actions.

## 廢物管理

本集團就可持續廢物管理方面秉承加強回收及重用的概念，從生產設施至辦公室和宿舍等地均進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善用有限資源的理念。

In 2019, the Group recycled a total of 6,213.70 kg of office waste.  
二零一九年，本集團的辦公室廢棄物回收總量為6,213.70公斤。

### Office Waste Recycling Statistics in 2019 (unit: kg)

### 二零一九年辦公室廢棄物回收量統計 (單位：公斤)



1,230.20  
Waste Paper  
廢紙



157.00  
Metal  
金屬



47.10  
Plastics  
塑料



60.40  
Glass  
玻璃



56.00  
Electrical Appliances  
電器



7.84  
Rechargeable Batteries  
充電池



3,791.00  
Food Wastes  
廚餘



58.00  
Old Clothes  
舊衣物



806.16  
Others  
其他

Total Waste Recycled  
廢棄物回收總量

6,213.70 kg  
公斤

### Increasing Cities' Resilience Against Climate Change

The Group understands the urgency of climate change. Natural disasters such as extreme rainfall and water scarcity triggered by climate change can cause significant impact on the Group's business. To improve the projects' resilience against climate change, the Group has included climate change risks into its Risk Management System to formulate more comprehensive emergency and natural disaster contingency plans.

The Group contributes to the development of sustainable cities and communities by providing a series of water environment management services. Its waste water treatment, water supply, reusable water and sludge treatment and disposal projects substantially minimise the environmental impact arising from waste water discharge. In addition, the Group's river-basin ecological restoration projects construct more stable ecological environment, and thus improve, at a macro level, the cities' flood prevention ability.

The Group continues to use the GHG emissions calculation methodology of the Clean Development Mechanism ("CDM") under the *United Nations Framework Convention on Climate Change (UNFCCC)* during the Reporting Period. This methodology provides reliable GHG emissions data to the Group's stakeholders by disclosing the types, quantities and scopes of GHG. In addition, the Group uses CDM methodology to calculate its carbon dioxide ("CO<sub>2</sub>") equivalent emissions offset by estimating the GHG emissions emitted from fossil fuel power plants in the absence of waste water treatment plants that utilise biogas to generate electricity.

### 提升城市應對氣候變化的抗禦能力

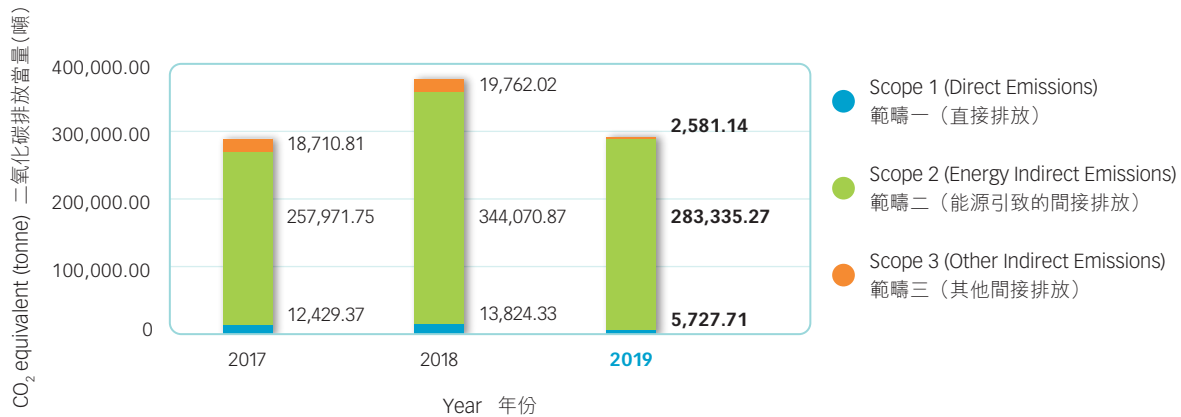
本集團充分了解應對氣候變化的迫切性，而極端降雨、水資源短缺等自然災害可對本集團業務帶來顯著的影響。本集團將氣候變化風險納入現行的風險管理體系中，從而制定更完善的緊急與自然災害應急方案，以加強項目抵禦氣候變化的能力。

本集團透過一系列的水環境綜合治理服務，為建設可持續城市和社區作出貢獻。本集團的污水處理、供水、中水回用及污泥處理項目可大幅降低污水排放帶來的環境影響。流域治理項目則透過建造更穩固的生態環境整體提升城市應付水患的抗禦能力。

報告期內，本集團繼續採用《聯合國氣候變化框架公約》中清潔發展機制（「CDM」）的計算方法估算運營的溫室氣體排放量。該計算方法從溫室氣體的排放種類、排放量和範疇三個層面為持份者提供更全面可靠的溫室氣體排放數據。同時，本集團亦使用CDM的方法，透過估算在污水處理廠沒有利用沼氣發電的情況下，改以化石燃料電廠發電的溫室氣體排放，從而計算本集團的運營所抵消的二氧化碳（「二氧化碳」）排放當量。

In 2019, the Group's operating projects offset a total of 10,263.88 tonnes of CO<sub>2</sub> equivalent emissions.  
二零一九年，本集團的運營項目共抵消10,263.88噸二氧化碳排放當量。

### GHG Emissions by Scope in 2019 二零一九年按範疇劃分的溫室氣體排放



## Notes:

- The calculation of scope 1 emissions covers all the fugitive methane emissions from the waste water treatment projects under operation. The calculation of scope 2 emissions includes the consumption of purchased electricity. The calculation boundary of scope 2 emissions covers all waste water treatment projects, reusable water projects, river-basin ecological restoration projects, water supply projects, raw water protection projects, leachate treatment projects, and waste water source heat pump projects that are under construction and operation.
- The calculation of GHG emissions from operating projects is referenced to CDM methodology *AM0080: Mitigation of Greenhouse Gases Emissions with Treatment of Wastewater in Aerobic Wastewater Treatment Plants (Version 1.0)*.
- The calculation of scope 3 emissions includes fuel consumption for the transportation of sludge by third-parties and air travel by employees. GHG emissions from air travel are calculated by International Civil Aviation Organisation Carbon Emissions Calculator.

In the Report, Everbright Water started disclosing emission factor of GHG emissions due to electricity used for processing waste water, to facilitate its clients' GHG reporting in scope 3 emissions due to waste water discharge. The data is available in chapter 12 of the Report entitled "Key Statistics".

## 附註：

- 範疇一的計算包括所有運營中的污水處理項目的無組織甲烷排放；範疇二的計算為購買電力消耗，範疇二的計算邊界包括所有在建與運營中的污水處理、中水回用、流域治理、供水、原水保護、滲濾液處理及污水源熱泵項目。
- 運營項目的計算參照CDM方法《AM0080：透過在有氧污水處理廠處理污水減少溫室氣體排放（1.0版）》。
- 範疇三的計算包括污泥運送的燃油消耗和員工飛機差旅。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。

於本報告，光大水務開始披露用於處理污水的電力消耗所致的溫室氣體排放的排放因子，旨在促進客戶報告其因處理污水所致的範疇三溫室氣體排放。該數據可在本報告第十二章「主要數據」中取得。



## Energy and Material Usage

Everbright Water adheres to the concept of green operation, and always strives to reduce resource consumption. The Group actively explores various energy-saving solutions. For instance, it organises energy saving competitions among project companies and utilises methane produced from sludge digestion to generate electricity for internal use, thus reducing the consumption of non-renewable energy.

In terms of operation, the Group's "Intelligent Water" Information Management System has been under development for five years. The system has gone through various development stages such as theoretical trial, commissioning and troubleshooting, and has now progressed to practical application on projects. It can improve the efficiency and accuracy of the water system, and also manage the entire production, management and service processes of the water system in a more refined and dynamic manner. It facilitates asset management with full life cycle cost optimisation to promote a balanced development of the Group, helping the Group achieve a green and low-carbon operation goal.

To implement a long-lasting strategy on resource management, the Group keeps detailed monthly records of every project company's energy and key materials usage, and such records are compiled and kept by the regional management centres. By analysing these records, the Group has a full insight of resource usage in its operations and can adjust the use of energy and materials accordingly.

The Group promotes a green low-carbon working environment and encourages employees to implement energy-saving measures, such as to switch computers to energy-saving mode, switch off computers, printers, and other electrical appliances after working hours, as well as unplug all electrical devices when leaving offices for long holidays.

## 能源及物料使用

光大水務秉承綠色運營的理念，不斷追求更低的資源消耗。本集團積極探索多種節能方案，如在項目公司層面舉辦節能比賽，利用污泥消化過程中產生的甲烷進行發電供廠內使用，竭力避免非再生能源的消耗。

在運營方面，本集團的「智慧水務」信息管理系統建設歷時五年，歷經理論探索、調試和故障排除等各個階段，現已推進至項目實施階段。該系統不僅能提高水務系統的效率和精準性，還能以更加精細和動態的方式管理水務系統的整個生產、管理和服務流程，以全生命週期成本優化來管理資產，推動本集團的均衡發展，幫助本集團實現環保低碳的運營目標。

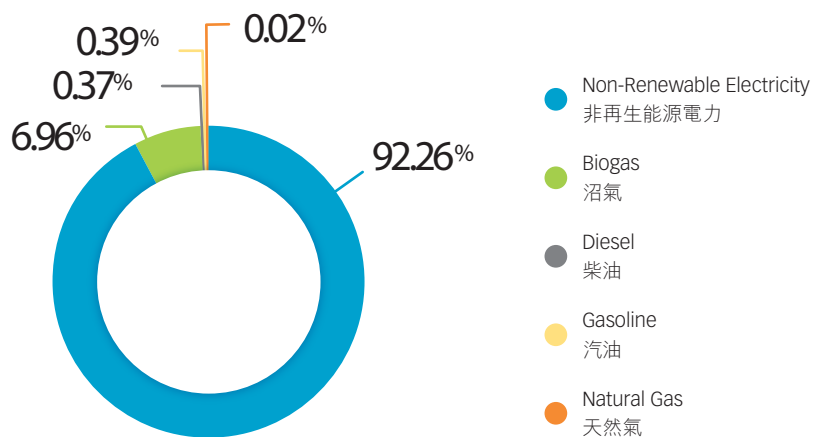
為了制定長遠的資源管理策略，本集團的各項項目公司每月都詳細記錄能源和主要物料的使用情況，並上交至區域管理中心進行整合。經過分析資料，本集團能夠充分了解項目運營中的資源利用情況，繼而對能源和物料使用做出相應的調整。

本集團更推廣綠色低碳工作模式，鼓勵員工實施節能措施，包括將電腦調至節能模式，於工作日結束時關掉電腦、打印機及其他電器，並於長假前離開辦公室時拔掉電器的電源。

In 2019, the Group consumed energy in total of 1,837,712.77 GJ.  
二零一九年，本集團共耗用1,837,712.77吉焦能源。

### Direct Energy Consumption Statistics of Projects Under Construction and in Operation in 2019

二零一九年各在建及運營項目的直接能源消耗統計



Note:

1. Energy consumption is calculated based on the reference coefficients given by *China Energy Statistical Yearbook 2018*.

附註：

1. 能源消耗量是根據《中國能源統計年鑒2018》的參考係數計算得出。

## Key Materials Consumption Statistics of Operating Projects in 2019

二零一九年各運營項目的主要物料使用統計

### Materials/Function

物料／用途



pH adjustment 酸鹼調整	Coagulant & flocculant 凝結劑及絮凝劑	Disinfectant 消毒劑	
21,829.09	180,123.42	19,144.86	
Chemical oxidiser 化學氧化劑	Carbon source 碳源	Biological treatment 生物處理	Others 其他
19,144.02	148,886.09	231.77	1,882.12

Unit: tonne

單位：噸

Note:

- Including the key materials consumption from municipal waste water treatment projects, industrial waste water treatment projects and reusable water projects.

附註：

- 主要物料使用統計包括生活污水處理、工業廢水處理與中水回用項目。

## Utilisation of Water Resources

As an enterprise in providing water resources utilisation services, the Group stays aligned with relevant national policies on water conservation and strives to reduce water consumption of its projects. To further optimise water usage, the Group re-circulates water throughout the waste water treatment processes to reduce the use of freshwater. During the year under review, the Group's re-circulating water accounted for 79.70% of the total water consumption in its operating waste water treatment projects and reusable water projects.

In addition, the Group's highly efficient waste water treatment projects produce reclaimed water which can be used for purposes such as street cleaning, vehicle washing, landscaping, toilet flushing, fire fighting, etc.

## 水資源使用

作為一家提供水資源綜合利用服務的企業，本集團密切關注並落實國家相關的水資源政策，致力於減少項目耗水。為進一步善用水資源，本集團於整個污水處理工藝中循環用水，以減少淡水的的使用需求。於回顧年度，本集團所有運營污水處理項目及中水回用項目的循環水量佔總耗水量的79.70%。

此外，本集團高效的污水處理項目亦產生再生水以用作其他用途，如清洗街道及車輛、園藝灌溉、沖廁和救火等。

**Re-Circulating Water****循環水**

Water is re-circulated within the waste water treatment system as far as practical to reduce the use of freshwater.

為了減少對淡水的需求，將水盡可能在污水處理系統內循環使用。

**6,348,463.33** m<sup>3</sup> 立方米

**Reclaimed Water****再用水**

Reclaimed water refers to the effectively treated effluent water which is clear and safe for non-potable uses such as street cleaning, vehicle washing, landscaping, toilet flushing, fire fighting, etc.

再用水是指經過高效污水處理的排放水，水質清澈並可安全用作多項非飲用用途，包括清洗街道及車輛、園藝灌溉、沖廁和救火等。

**9,075,869.37** m<sup>3</sup> 立方米

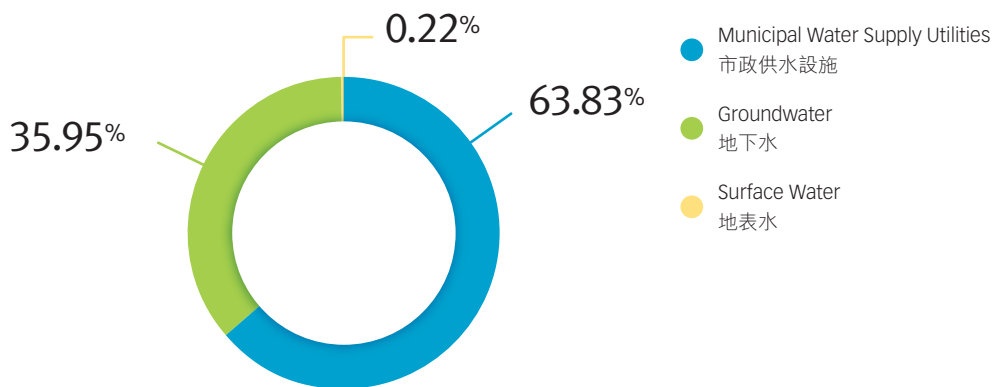
The Group's reusable water projects purify effluent from waste water treatment plants in accordance with the *Reuse of Urban Recycling Water – Water Quality Standard for Industrial Uses (GB/T19923-2005)* or equivalent standards. To reduce freshwater consumption in cities, reusable water produced by reusable water projects can be used as in-plant cooling water or for general industrial use by other corporations. The Group's *Operations Manual* sets out the standards for reusable water produced from the reusable water projects. Employees are required to continuously monitor the quality of the reusable water to ensure the health and safety of the customers in addition to complying with the relevant standards.

本集團將污水處理廠處理後的出水供給中水回用項目，將其按照《城市污水再生利用工業用水水質》(GB/T19923-2005)或同等標準淨化成回用水，用作廠區冷卻水或供其他企業作一般工業用途，從而減少城市的淡水消耗。本集團的《運營手冊》列明中水回用項目所產生的回用水須符合的標準，員工須持續監控回用水的水質，確保符合相關國家標準，保障客戶的健康及安全。

In 2019, the Group's reusable water projects produced approximately 17,652,000 m<sup>3</sup> of reusable water. 二零一九年，本集團的中水回用項目共生產了約17,652,000立方米的回用水。

### Freshwater Consumption Statistics of Projects Under Construction and in Operation in 2019

二零一九年各在建及運營項目的淡水耗水統計

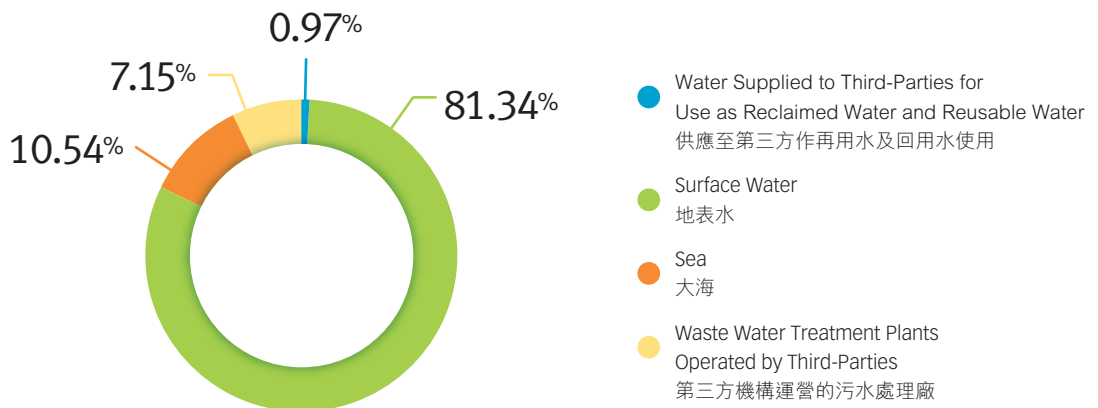


Total Freshwater Consumption  
總淡水耗水量

1,766,558.40 m<sup>3</sup>  
立方米

### Water Discharge Statistics of Projects Under Construction and in Operation in 2019

二零一九年各在建及運營項目的排放水統計



Total Water Discharged  
總排放量

1,346,879,252.00 m<sup>3</sup>  
立方米

Note:

(1) The water discharge statistics in 2019 are extended to include reclaimed water that are discharged for the use of third-parties.

附註：

(1) 二零一九年的排水統計擴大至包括排放至第三方使用的再用水量。

We care for our employees and  
**GROW TOGETHER**

關懷員工，**共同成長**



A sound and outstanding talent pool is essential to the Group's excellent performance. Thus, the Group believes that its people are the most valuable assets and upholds the "People-Oriented" philosophy. Through a sound human resources management system, the Group provides employees with attractive career development opportunities and a caring working environment. The Group ensures that its employees' needs (whether in or outside the workplace) are being taken care of.

**穩** 健、優秀的人才隊伍是本集團創造佳績的關鍵因素。為此，本集團始終視人才為重要財富，矢志成為理想的僱主。本集團堅持「以人為本」的理念，透過有效的人力資源管理體系，為員工提供具吸引力的職業發展機會及充滿關愛的工作環境，照顧他們在職場內外的需要。

### Employment Profile

### 員工概覽



As at 31 December 2019, Everbright Water had a total of 2,317 employees<sup>(1)</sup>. 截至二零一九年十二月三十一日，光大水務共有2,317名員工<sup>(1)</sup>。

Note:

附註：

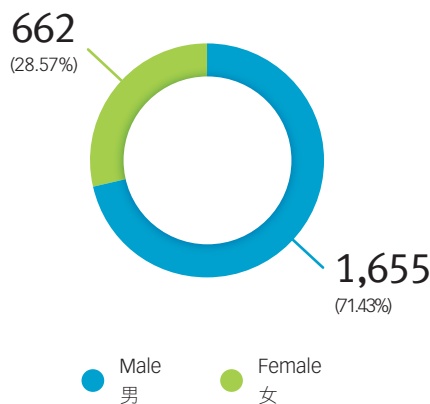
<sup>(1)</sup> All employees were full-time employees.

<sup>(1)</sup> 所有員工均為全職員工。

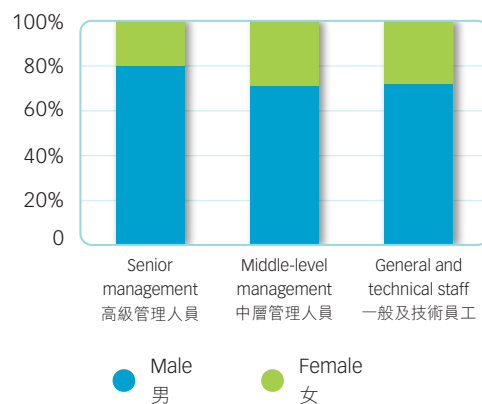
### Statistics on Diversity of Employees in 2019

#### 二零一九年員工多元化統計

#### By gender 按性別劃分



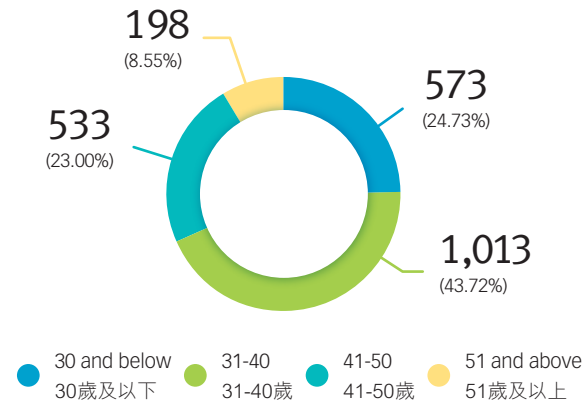
#### Male to female ratio by employee ranking 各員工職級的男女比例



## Statistics on Diversity of Employees in 2019 二零一九年員工多元化統計

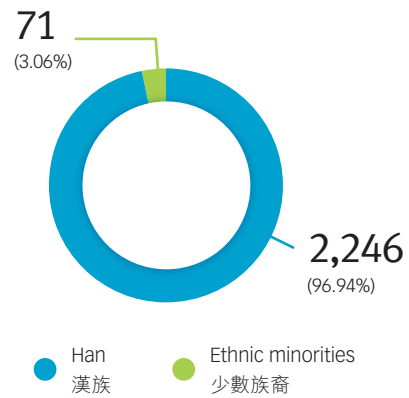
### By age

按年齡劃分



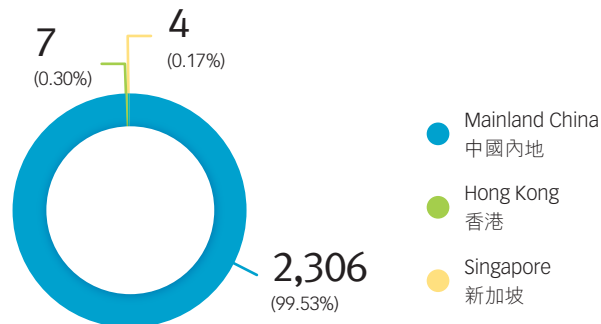
### By ethnicity

按民族劃分



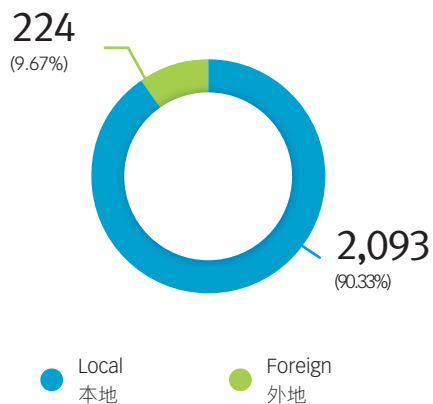
### By geographical region

按地區劃分



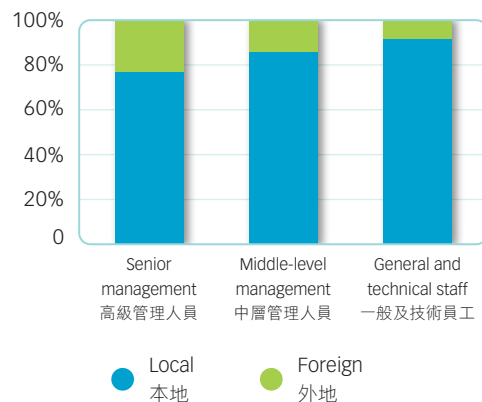
### By geographical region

按地區劃分



### Employees hired by geographical region

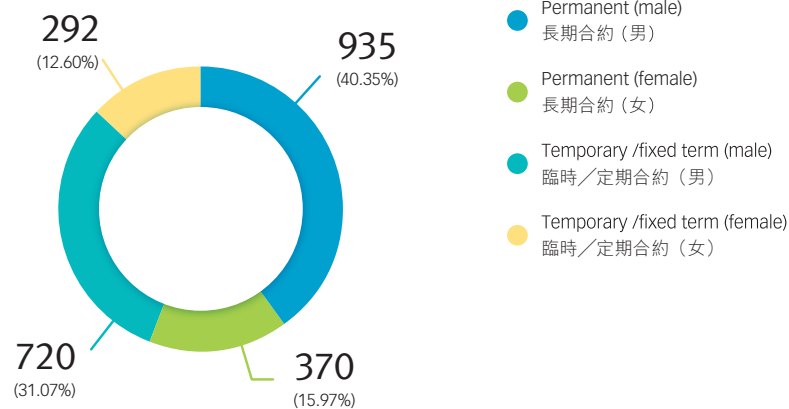
按地區劃分的受僱員工





## By employment type and gender

按僱傭類型及性別劃分



Notes:

<sup>(1)</sup> 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.

<sup>(2)</sup> As at 31 December 2019.

## Talent Recruitment and Retention

With the aim of ensuring continuous recruitment of quality talents to promote long-term business development, Everbright Water establishes a flexible and comprehensive recruitment mechanism, which actively brings in local and foreign talents through collaborations with experienced recruitment agencies and higher education institutions, via various channels, such as: local, overseas and on-campus recruitments. The Group also stays aligned with its "Innovation-Driven Development" ethos, continues promoting cooperation with local and foreign universities and research institutes, and actively recruits technical and management specialists in the area of technological R&D through "Industrial-Academic" collaboration and acquisition of technological companies. Besides, several projects of the Group are located in remote areas that are underdeveloped. In order to promote local economic growth and employment opportunities, the Group pays special attention to local talents.

附註：

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

<sup>(2)</sup> 截至二零一九年十二月三十一日。

## 吸納及保留人才

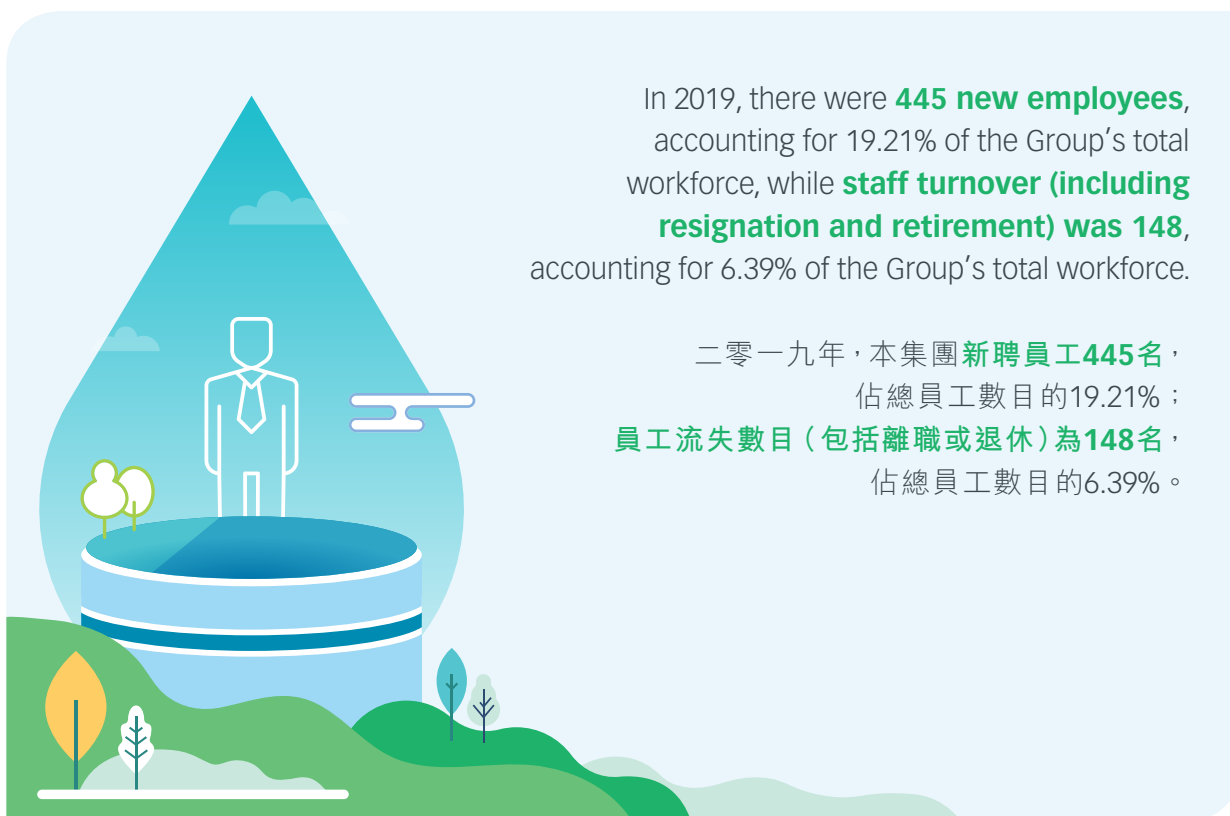
為確保持續吸納優質人才推動業務的長遠發展，光大水務設有靈活完善的招聘機制，透過與經驗豐富的人才招聘機構及高等院校合作，以本地招聘、海外招聘、校園招聘等方式招攬各方專才。為配合本集團「創新引領發展」的策略，本集團近年更透過「產學研」合作、收購技術公司等方式，繼續促進與國內外高等院校和科研院的合作及技術和管理專才的引進。另外，由於本集團個別項目位於尚欠發展的偏遠地區，本集團特別重視本地人才，以促進當地經濟發展和就業機會。

The Group has formulated various employment measures, including competitive remuneration packages, comprehensive employee benefits and development opportunities, in order to retain talents. The Group also regularly reviews and adjusts remuneration packages based on labour market trends.

Moreover, the Group monitors the number of employees who are eligible for retirement every year. Such compilation allows the Group to formulate its human resource policies for the long term, while providing employees with appropriate career management plans, including retirement arrangements.

本集團制定了多項僱傭措施，包括具競爭力的薪酬待遇、完善的員工福利及發展機會，致力保留人才。本集團亦根據勞工市場趨勢，定期檢討及調整薪酬待遇。

此外，本集團每年均會統計即將符合退休資格的員工數目，長遠考慮、制定及調整人力資源政策，同時為員工提供包括退休安排在內的妥當職業生涯管理計劃。

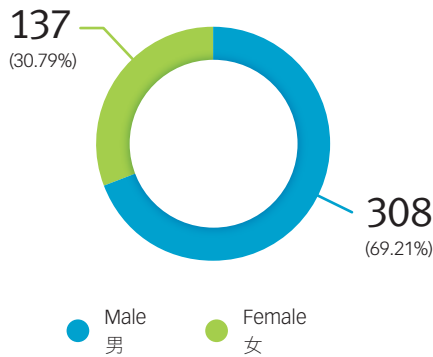


In 2019, there were **445 new employees**, accounting for 19.21% of the Group's total workforce, while **staff turnover (including resignation and retirement) was 148**, accounting for 6.39% of the Group's total workforce.

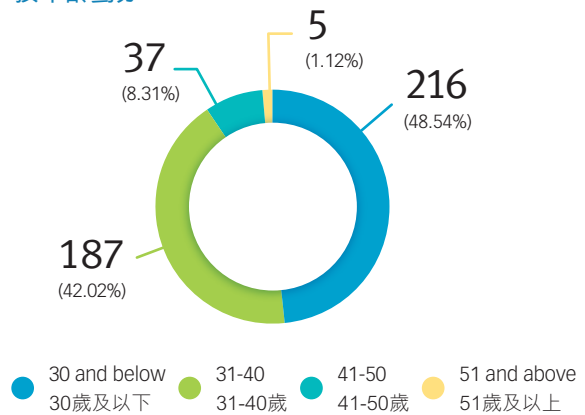
二零一九年，本集團**新聘員工445名**，佔總員工數目的19.21%；**員工流失數目（包括離職或退休）為148名**，佔總員工數目的6.39%。

**New Employees Statistics in 2019**  
二零一九年新聘員工數據統計

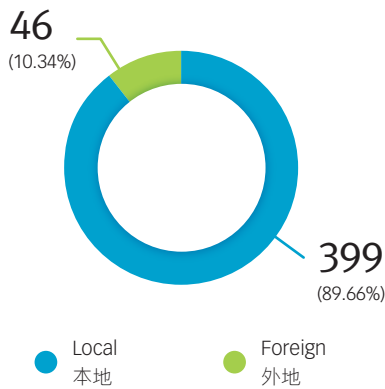
**By gender**  
按性別劃分



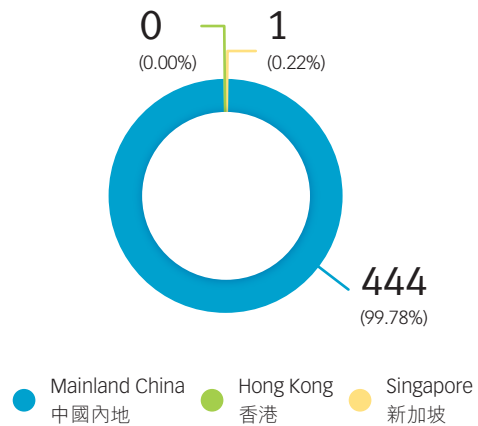
**By age**  
按年齡劃分



**By geographical location**  
按地區劃分



**By geographical location**  
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：

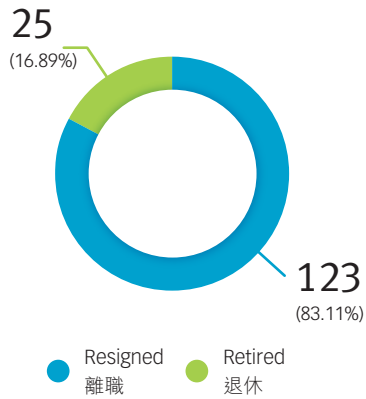
(1) 在中國內地同省份受聘的員工被視為本地員工，而在中國內地外省份受聘的員工則被視為外地員工。

## Employee Turnover (Resignation/Retirement) Statistics in 2019

二零一九年員工流失（離職／退休）數據統計

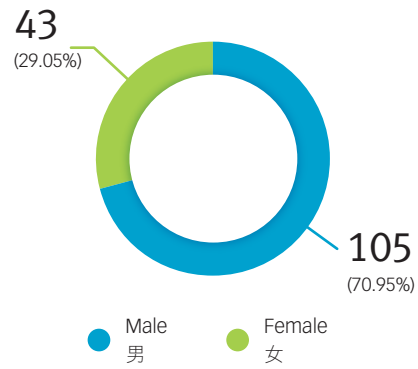
## By type

按類別劃分



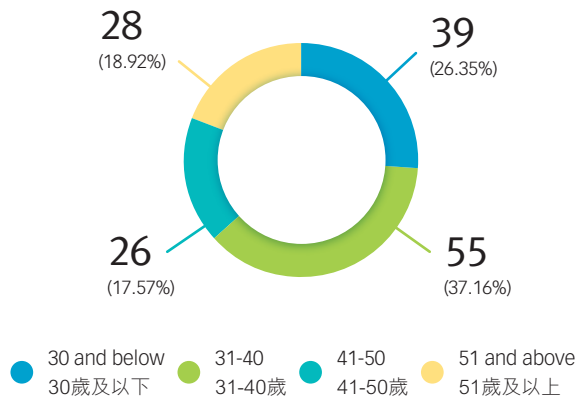
## By gender

按性別劃分



## By age

按年齡劃分



## Percentage of Employees Eligible for Retirement in Five and Ten Years

未來五年及十年內合資格退休的員工百分比

Employee ranking 員工職級	In five years 未來五年內	In ten years 未來十年內
Senior management 高級管理人員	11.57%	19.01%
Middle-level management 中層管理人員	3.31%	12.25%
General and technical staff 一般及技術員工	8.34%	11.99%

## Employee Development

The Group attaches much importance to the development of talent team and pays close attention to the personal development and well-being of employees. Based on the Group's "People-Oriented" *Human Resources Management and Capacity Building Policy* and transparent talent development framework, the Group provides employees with a wide range of learning opportunities and personal development plans through various channels. During the Reporting Period, the Group further improved the human resources management system, established an internal training team and a backup talent training system, and put extra efforts in recruiting new talents to promote enterprise development.



In 2019, the Group continued implementing the following plans to promote employees' development, aiming to establish a proactive and creative employee team.

## 員工發展

本集團注重人才隊伍建設，對員工的個人發展和福祉高度關注。基於以人為本的《人力資源管理培訓政策》和具透明度的人才發展框架，透過多種渠道為員工提供廣泛的學習機會及發展計劃。報告期內，本集團進一步完善了人力資源管理制度，建立內部培訓團隊及後備人才培養體系，並加大人才引進力度，通過人才發展推動企業發展。



二零一九年，本集團繼續推行以下促進員工發展的計劃，務求建立一支積極主動且富有創造力的員工團隊。

## Tiered Talent Development Strategy 梯隊式人才佈局

The Group established a managerial and technical backup talent pool to recognise high performing talents by offering them with internal promotion opportunities. In order to strengthen the development of the talent team, the Group has further improved the requirements on the selection of backup talents during the Reporting Period. It also established a training programme for the backup talents, namely "Yongquan Programme", to provide them with trainings in various ways. New backup talents are admitted to "Yongquan Programme" every year to ensure the sustainable development of the Group.

本集團建立後備幹部人才庫，以表彰高績效人才並優先向他們提供內部晉升機會。為加強人才隊伍建設，本集團於報告期內完善了後備幹部選拔要求並成立了「湧泉計劃」後備幹部培訓班，利用多種形式對後備幹部學員開展培訓。每年將有新的後備人才加入到「湧泉計劃」中，為本集團的可持續發展提供良好保障。



As the first batch of "Yongquan programme", a total of 76 students graduated in November 2019 after three months of study.

首期「湧泉計劃」共76名學員，經過三個月的學習，已於二零一九年十一月畢業。

The training details were as follows:

培訓詳情如下：

### Main processes in the water industry 水務行業主要工藝

Introduced the core technologies in the water industry progressively from simple to complex.  
由淺入深介紹了水務行業內具有代表性的核心技術。

### Engineering process management 工程全流程管理

Explained the advanced management philosophy of Everbright Water - "Excellent Design, State-of-Art Technology, Advanced Equipment, High-Quality Construction and First-Class Management", which was adhered to in its entire engineering construction process.  
詮釋光大水務工程建設全過程所奉行的「一流的設計，一流的技術，一流的設備，一流的施工，一流的管理」先進管理理念。

### Management of waste water treatment plants 污水處理廠的管理

Explained the essential management strategies for operations management.  
講解了運營管理中的主要管理策略。

### Waste water discharge compliance and environmental protection supervision 污水運營項目達標排放與環保監管

Through case studies, the trainees obtained a thorough understanding of the importance of safety and environmental management during project construction and operation, and developed the practical problem solving mindset.  
通過典型案例學習，學員深刻認識到項目建設、運營階段安全與環境管理的重要性，並掌握了務實解決問題的思維方式。

## Tiered Talent Development Strategy 梯隊式人才佈局



### Comprehensive appraisal system 綜合考核機制

The Group's internal assessment mechanism closely monitored employees' career development by setting achievable goals along with on-going evaluation. The system also helped cultivate outstanding employees who embraced the core values of the Group.  
內部考核機制通過向員工制定切實的工作目標及持續性的評估來緊密監察員工的職業發展。通過此機制，本集團能夠培養擁護其核心價值的優秀員工。



### Apprenticeship programme 「師帶徒」計劃

The apprenticeship programme allowed the skilled workers to lead new comers, which effectively passed valuable skills and knowledge to new employees and helped the fresh blood establish practical career plans.  
讓熟練技工帶領新技工工作，有效地把寶貴的技术知識傳承下去，並協助新人制定可行的職業生涯計劃。



### Technical talent training programmes 技術型人才培訓計劃

Through "Industrial-Academic" collaboration, the Group invited local and overseas technical experts to provide trainings to managerial and technical employees of the Group's projects, to widen their horizons.  
透過「產學研」合作模式，積極組織海內外技術專家對項目管理層及技術人員進行培訓、交流，不斷提升自身人才隊伍的視野水平。



### Tailored training programmes 特殊培訓計劃

The Group collaborated with leading local and overseas tertiary institutions, such as arranging the Group's management personnel and senior technical staff to attend various courses or training programmes, such as the Engineering Master Programme of Zhejiang University.  
與國內外一流大學合作，如為本集團高級管理人員及技術骨幹安排參加各種課程或培訓計劃，比如浙江大學工程碩士班。

In 2019, the Group provided on-the-job trainings for all employees. The total training hours were 57,066.50 hours, and the average training hours per employee were 24.63 hours<sup>(1)</sup>.  
二零一九年，本集團均為每位員工提供在職培訓。培訓總時數為57,066.50小時，員工人均培訓時數為24.63小時<sup>(1)</sup>。

Note:

<sup>(1)</sup> During the year under review, the Group implemented efficient and concise trainings according to the needs of employees in different positions, which resulted in a reduction of the total training hours.

附註：

<sup>(1)</sup> 本集團於回顧年度內按照員工不同崗位的需求實施高效的精準培訓，因此導致培訓總時數減少。

### Employee Training and Development Statistics in 2019

二零一九年員工培訓與發展數據統計

#### Average training hours per person by gender

按性別劃分的人均培訓時數



Female  
女

23.97



Male  
男

24.89

#### Average training hours per person by employee ranking

按員工職級劃分的人均培訓時數

Senior management  
高級管理人員

19.63

Middle-level management  
中層管理人員

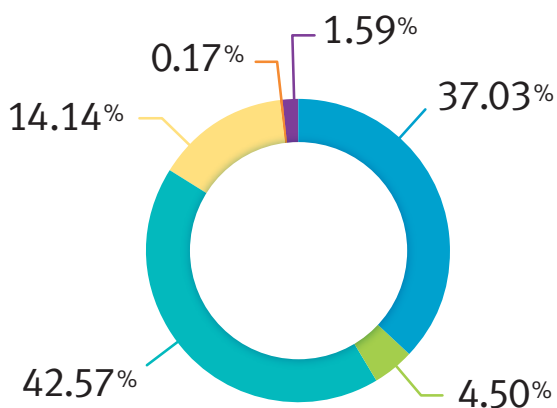
28.97

General and technical staff  
一般及技術員工

24.26

### Percentage of Training by Category

培訓類別的百分比



- Health and Safety  
健康與安全
- New Hire Training and Team Building  
新入職培訓與團隊建設
- Industry Knowledge and Technical Skills  
行業知識與專業技能
- Corporate Culture, Policies and Management Systems  
企業文化、政策及管理體系
- Personal Development (Communication Skills, Time Management, Stress/Emotional Management, etc.)  
個人發展（溝通技巧、時間管理、壓力／情緒控制等）
- Others  
其他



## Safeguarding Employees



### Equal Employment

The Group's *Staff Handbook* and *Code of Conduct* cover topics including compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, the prevention of child labour and forced labour, and other benefits and welfare. The policies also advocate a fair and open workplace and ensure that employees are protected from all forms of discrimination against gender, age, race, nationality, marriage status, etc. In the Group's *Code of Conduct*, the Group stipulates its expectation on the employees' moral behaviour and integrity. The *Code of Conduct* covers topics, such as anti-bribery, anti-extortion, anti-fraud and anti-money laundering. The Group provides trainings to help employees understand the meaning of the *Code of Conduct* and what they are expected to do. During the Reporting Period, there was no incident related to discrimination, and no case of child or forced labour was found.

In view that the water and engineering industries are largely dominated by male, the Group pays special attention to gender equality and strives to reduce the difference on employees' salaries and remuneration packages due to gender. Also, various measures are carried out to encourage female talents to join and continue contributing to the Group.

## 保障員工



### 平等僱傭

本集團的《員工手冊》及《行為守則》涵蓋了薪酬及解僱、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以及其他待遇及福利等議題，更提倡公平公開的就業平台，確保員工及求職者的報酬、培訓機會和職業前景等不會受性別、年齡、種族、國籍、婚姻狀況、宗教等因素所限。《行為守則》亦訂明本集團對員工道德行為及誠信的期望，涵蓋防賄賂、防勒索、反欺詐及反洗錢等議題。本集團定期舉辦培訓課程，幫助員工理解各僱傭政策及措施的含義並給予實行方面的指導。報告期內，本集團沒有出現任何與歧視相關的事件，亦未發現使用童工或強迫／強制勞動之案例。

有鑑於從事水務和工程相關行業的人力資源分布側重於男性，本集團特別關注性別平等與薪酬待遇等議題，務求降低性別因素對薪酬水平及結構的影響，同時採取不同措施吸引更多女性加入，協助她們於本集團中發展及留任。

## Two-Way Communication

In order to improve the transparency, integrity, accountability of the Group's operations and consistently maintain a corporate governance of high standard, the Group encourages employees to report illegal or improper conducts that have occurred or are suspected to be occurring or are of potential occurrence. Employees can directly communicate with the CEO and/or the Chairman of the Audit Committee via email in accordance with the *Reporting Policies and Procedures for Misconduct* and file complaints or express opinions in areas such as labour relations, human rights, workplace harassment and discrimination. Besides, the Group invited its employees to complete an online questionnaire in 2019 in order to further understand employees' views on certain issues, such as the management of the Company, working environment, welfare, benefits and etc.

## 雙向溝通

為提高本集團運作的透明度、廉潔度、問責性並致力保持一貫高標準的企業管治，本集團鼓勵員工舉報已發生或懷疑已發生或懷疑有可能發生的不合法或不當行為。員工可根據《不當行為的舉報政策及程序》透過電郵與總裁及／或審計委員會主席直接進行溝通，在勞資關係、人權、職場騷擾及歧視等範疇上提出申訴或發表意見。此外，本集團於二零一九年邀請員工完成在線問卷調查，以進一步了解員工對公司管理、工作環境及福利等若干範疇的意見。

### "Intelligent Water" Information Management System – Creating an Employee Communication Platform

「智慧水務」信息管理系統－營造員工交流的平台

"Intelligent Water" Information Management System makes use of big data to improve the efficiency and accuracy of the operations system, to manage the entire production, management and service processes in a more refined and dynamic manner, and to manage assets with full life cycle cost optimisation. Everbright Water took five years to develop the "Intelligent Water" platform, which has gone through various development stages such as theoretical trial, commissioning and troubleshooting and has now progressed to practical application on projects.

「智慧水務」信息管理系統是指運用大數據以提高運營系統的效率 and 精準性，以更加精細和動態的方式來管理整個生產、管理和服務流程，以全生命週期成本優化來管理資產。光大水務「智慧水務」平台建設歷時五年，歷經理論探索、調試和故障排除等各個階段，現已推進至項目實施階段。

## Employee Benefits

The Group continuously improves employee welfare and has established a comprehensive employee welfare system. The Group strictly adheres to its "People-Oriented" philosophy and complies with legal requirements of the operating regions, aiming to provide employees with adequate welfare protection in various areas.





## 員工福利

本集團不斷提升員工福利並建立了完善的員工福利制度，嚴格按照「以人為本」的宗旨以及運營地區的法定要求，為員工在各個範疇提供足夠的福利保障。



**“People-Oriented” philosophy – providing employee benefits and protection**

按照「以人為本」的宗旨－提供員工福利與保障




**Providing adequate welfare and safeguard to regular employees**  
為正式員工提供足夠的福利保障

				
Life insurance 人壽保險	Medical insurance 醫療保險	Disability insurance 傷殘保險	Maternity and paternity leave benefits 產假及待產假等福利	Distributing bonuses based on employees' performance 按員工表現派發 獎勵花紅



**Assisting employees in retirement planning**  
協助員工規劃退休生活

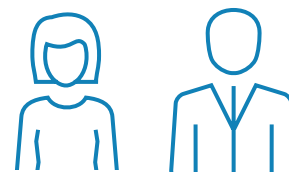
	
Compulsory pension insurance 法律規定的強制性 養老保險	Employee supplementary pension benefits are established as additional retirement benefits 建立了員工補充養老 補貼作為額外的 退休福利

**Ensuring physical and mental health of employees**  
促進員工的身心健康

		
Various entertainment facilities are set up in the project companies 在項目公司 設置了各種 文娛設施	Regularly organise various team-building activities, such as sports competitions and outings 定期舉辦體育競賽和 郊遊等康體活動	Free health screening services and occupational disease prevention inspections for employees every year 每年為員工提供免費的 身體檢查服務及 職業病防範檢查

**Enhancing female's welfare**  
提升女性福利

	
Provide employees with adequate maternity leave 給予員工充足的產假	Reserve positions for female employees who are on maternity leave and encourage them to return to work after delivery, and ensure that their career development and salary are not affected. 為正在放產假的女性員工保留職位， 鼓勵她們分娩過後重返崗位， 並保證其職業發展和薪酬不因此而受影響



	Female 女	Male 男
Number of female and male employees who took maternity/paternity leave in 2019 二零一九年放產假／侍產假的男女員工數目	38	58
Total number of employees who returned to work after maternity/paternity leave in 2019 二零一九年產假／侍產假結束後重返工作崗位的員工數目	38	56
Number of employees who returned to work after maternity/paternity leave ended in 2018 and still employed by the end of 2019 二零一八年產假／侍產假結束後重返工作崗位並於二零一九年底仍在職的員工總數	26	36
Percentage of employees who returned to work after maternity/paternity leave ended in 2019 二零一九年產假／侍產假結束後重返崗位的員工比例	100%	96.55%
Percentage of employees who returned to work after maternity/paternity leave ended in 2018 and were still employed by the end of 2019 二零一八年產假／侍產假結束後並於二零一九年底仍在職的員工比例	92.86%	94.74%

Note:

1. As at 31 December 2019

附註：

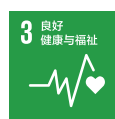
1. 截至二零一九年十二月三十一日

## Occupational Health and Safety



Health and safety are the backbone supporting the Group's sustainable delivery of excellent water projects, and lay a solid foundation for quality engineering construction and operations management for projects. Therefore, the Group is committed to reducing operational risks to safeguard the health and safety of its employees.

## 職業健康與安全



健康與安全是本集團水務項目卓越表現的頂樑柱，為旗下多個項目的優質工程建設和運營管理打下了堅實的基礎。因此，本集團致力降低運營風險以保障員工的健康與安全。

## Health and Safety Management System

During the Reporting Period, the Group further promoted the practical application of ESHS Management System and Risk Management System in maintaining project safety through diversified measures, including the launch of “Safe Production Month”, formulation of relevant standards and guidelines, carrying out trainings on applicable laws and regulations, as well as provision of high-standard tools and personal protection equipment to employees. By implementing these measures, the Group can strengthen the safety management of the entire project construction process and ensure that the project is compliant with laws, safe and progressing smoothly. The Group also thoroughly implemented the “Three Zeros” goal (zero excessive discharge of pollutants, zero work safety accident and zero case for violation of regulations or discipline) through theme promotion, training and education, safety inspection and emergency drills.

The Group establishes an ESHS management team at every project company and formulates a comprehensive incident reporting mechanism to monitor risks in the project life cycle. The internationally recognised OHSAS 18001/ISO 45001 Occupational Health and Safety Management System is referenced by the Group to ensure operational safety. Furthermore, the Group extends the ESHS Management System to its supply chain by clearly stating relevant occupational health and safety requirements in the supplier contracts, thus monitoring the health and safety performance of the Group’s key suppliers.

During the Reporting Period, the Group’s key health and safety measures also included:

## 健康與安全管理體系

報告期內，通過開展「安全生產月」系列活動、制定相關標準和指引、開展相關法律法規專題培訓、為員工提供高規格的工具及個人防護裝備等多元化手段，本集團深入推進ESHS管理體系和風險管理體系在維持項目安全方面的實際應用，強化項目建設的全過程安全管理，確保工程建設合規、安全、有序推進。本集團更通過主題宣講、培訓教育、安全檢查、應急演練等方式，深入貫徹「三個零」目標（零超標排放、零安全事故、零違規違紀）。

本集團在每個項目公司均設立ESHS管理團隊，並建立完善的事務通報系統，以管理整個項目週期中的潛在安全風險。本集團參照國際認可的OHSAS 18001/ISO 45001職業健康安全管理体系，保障運營安全。本集團更把ESHS管理體系伸延到供應鏈中，於供應商合約中清楚列明與職業健康安全相關的要求，並深入持續評估主要供應商的健康與安全績效。

報告期內，本集團的主要健康與安全措施還包括：

### Standardised trainings and guidelines

#### 標準化培訓與指引

The Group offered standardised trainings to increase the awareness of all employees on safe production. The trainings covered topics, such as emergency response planning, operational hazards, first aid, health and safety regulations, and were carried out in forms of seminars, forums, knowledge competitions and drills.

本集團透過標準化的培訓提升員工對安全生產的意識。培訓內容涵蓋應急計劃、運營操作危害、急救及安全法規等議題，並以講座、研討會、知識競賽及演練等形式進行。

## Safety protection programmes

### 安全保障計劃

The Group protected its employees' health by providing annual medical check-ups and occupational disease surveillance. Moreover, the Group set up an Employee Safeguard and Safety Fund, which can be disbursed upon application to provide support to employees who suffer from accidents or diseases, relieving financial burden of their families.

本集團每年為員工提供醫療檢查及職業病監測，保障員工健康。此外，本集團設立了員工保障及安全基金，在員工不幸遭遇事故或疾病時，可以申領基金以緩解員工家庭的經濟壓力。

## Emergency Response Planning

Each operating project of the Group has put in place emergency plans which have been designed to respond to accidents at different stages of the project. This is to enhance the employees' capability in responding to emergency situations. The plan is enforced by the project's safety management team to safeguard the project company and nearby communities. The team is also responsible for regularly organising health and safety trainings on topics including emergency planning, operational hazards, laws with the aim of enhancing the employees' skills in handling emergencies and ensuring that the contingency plans can be activated promptly and effectively under special circumstances.

Through comprehensive trainings, the Group aims to inspire employees to realise and take it seriously about safety management, laying foundation for better daily safe production at workplace. During the Reporting Period, the total health and safety training hours were approximately 21,133 hours.

## 緊急事故應對方案

本集團每個運營項目皆設有專門應對項目於不同階段所發生事故的應急預案，以提升員工應對緊急事故的能力。應急預案由項目安全管理團隊執行，為項目公司及鄰近社區的安全風險管理做好把關工作。該安全管理團隊負責定期為員工舉辦健康與安全培訓，涵蓋緊急應對計劃、運營操作危害、法律等議題，務求提高員工應對危機時的處理技巧，從而在特殊情況發生時能迅速高效地啟動應急預案。

本集團希望透過全面的培訓活動激發全員對安全管理工作的認識與思考，為更好地開展作業場所日常安全生產管理工作奠定基礎。於報告期內，本集團的健康與安全培訓總時數為約21,133小時。

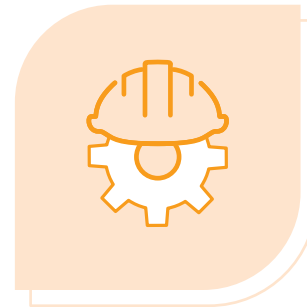
The Group's health and safety trainings cover the following topics: 本集團的健康與安全培訓涵蓋以下內容：



Health and Safety Laws and Regulations  
健康與安全方面的法律法規



ESHS Management System  
ESHS管理體系



Safe Use of Equipment  
設備裝置的安全使用



Recognition and Control of Hazard Sources  
危險源的辨識和控制措施



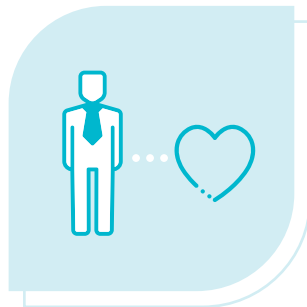
Risk Monitoring and Assessment at Different Risk Levels  
風險分級管控和隱患排查



Procurement and Storage of Hazardous Items  
採購及儲存危險物品



Emergency Management  
事故应急管理



Occupational Health Management  
職業健康管理



First Aid  
急救



### Xianyang Project Company Launched Emergency Drill for Operations in Confined Space

咸陽項目公司展開有限空間作業事故應急演練

On 25 June 2019, in order to promptly, quickly and efficiently improve the emergency response capabilities towards operation accidents in confined space, Everbright Water's Xianyang Project Company held an emergency drill on confined space operation accident.

The emergency drill was held at 4 p.m. at Everbright Water's Xianyang Project Company, where a worker pretended unconscious due to the leakage of an unknown gas from the water pump valve well. After contacting the police, the other workers immediately activated the emergency rescue plan for operations in confined space, carried out onsite first aid, evacuated the unrelated personnel and dialled "120" (the emergency number in Mainland China) while treating the unconscious worker. Through this emergency drill, the staff gained valuable experience in emergency response, rescue and cooperation.

二零一九年六月二十五日，為了及時、迅速、高效地提高有限空間作業事故應急處置能力，光大水務咸陽項目公司舉行了一場有限空間作業事故應急演練。

此次應急演練於下午四時在光大水務咸陽項目公司舉行，在演練中作業人員在消毒池回用水泵閥門井作業時，因閥門井內產生不明氣體，導致作業人員突然昏迷。報警後，作業人員立即啟動有限空間作業應急救援預案，組織現場自救，迅速撤離現場無關人員並做好警戒，同時撥打「120」（中國內地急救電話號碼），並對昏迷人員進行救治等。相關人員在此次實戰演練中積累了應急回應、救援處置和協同作戰的寶貴經驗。







## CASE 個案 STORY 分享

### Lianyungang Project Company Participated in the Red Cross Emergency Rescue Training 連雲港項目公司參與紅十字應急救護培訓

On 18 June 2019, the emergency rescue personnel from the Red Cross (Lianyungang) conducted a workshop on emergency rescue at Everbright Water's Lianyungang Project Company, with more than 20 staff from the project company participating in the training. Responding to the Company's "Safe Production Month" activity, the training aimed to enhance the employees' awareness on disaster prevention and risk prevention, encouraging them to learn the basic knowledge of first aid which will enhance their abilities of saving themselves and others.

During the training, the paramedics introduced some essential first aid knowledge under circumstances such as airway obstruction, cardiopulmonary resuscitation and accidental injury, through various means such as multimedia display, case analysis, on-site demonstration, and interaction. Meanwhile, they also demonstrated the proper placement of the injury and the proper procedures for carrying out cardiopulmonary resuscitation. The employees also tried to practice and perform the above procedures. The participating employees concluded that the training was interesting, practical and closely related to their daily work and life. Through the training sessions, they have learnt the basic first aid knowledge and improved their rescue abilities.

二零一九年六月十八日，連雲港市紅十字會應急救護人員來到光大水務連雲港項目公司進行應急救護知識的培訓工作。項目公司組織超過20名員工參加培訓。是次培訓目標是為配合本公司的「安全生產月」活動，增強廣大幹部職工的防災避險意識，學習掌握基本救護常識，提高自救互救能力。

培訓中，救護師採用多媒體展示及案例分析、現場示範、互動等方式，介紹了氣道梗阻、心肺復蘇、意外傷害處理等急救知識。同時，對如何判斷傷患、正確擺放傷患位置和正確進行心肺復蘇做了現場演示，並讓參訓員工進行了類比操作。參加本期培訓的員工表示，培訓內容很精彩很實用，非常貼近日常工作與生活，通過對相關知識的學習，掌握了基本的救護知識，提高了自己的自救互救能力。



## Occupational Health and Safety Statistics in 2019

二零一九年職業健康與安全數據統計

## Total working hours

工作總時數



Employees of  
Everbright Water  
光大水務員工

# 4,633,824

hours 小時

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

# 580,000

hours 小時

Employees  
員工

Number of work-related fatalities  
因工死亡個案

# 0

Number of high-consequence work-  
related injuries (excluding fatalities) <sup>(1)</sup>  
嚴重工傷個案 (不包括死亡個案) <sup>(1)</sup>

# 0

Number of occupational disease cases  
職業病個案

# 0

Number of work-related injuries  
工傷個案

# 2

Rate of work-related injuries <sup>(2)</sup>  
工傷率 <sup>(2)</sup>

# 0.09

Days of absence from work due to  
work-related injury  
因工傷缺勤日數

# 52

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



Number of work-related fatalities  
 因工死亡個案

1

Number of high-consequence work-related injuries (excluding fatalities) <sup>(1)</sup>  
 嚴重工傷個案 (不包括死亡個案) <sup>(1)</sup>

0

Number of occupational disease cases  
 職業病個案

0

Number of work-related injuries  
 工傷個案

2

Rate of work-related injuries <sup>(2)</sup>  
 工傷率 <sup>(2)</sup>

0.68

Days of absence from work due to work-related injuries  
 因工傷缺勤日數

135

Notes:

- <sup>(1)</sup> High-consequence work-related injuries (excluding fatalities) refer to work-related injuries causing the worker being unable to recover fully to pre-injury health status within 6 months.
- <sup>(2)</sup> Rate of work-related injuries = (Total number of work-related injuries/Total working hours) × 200,000.

附註：

- <sup>(1)</sup> 嚴重工傷 (不包括死亡個案) 是指導致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。
- <sup>(2)</sup> 工傷率 = (工傷個案總計 / 工作總時數) × 200,000。

We carry out environmental responsibility,  
protect our lucid water and blue sky, and  
**FOSTER HARMONIOUS DEVELOPMENT IN THE SOCIETY**

履行環保責任，保護碧水藍天，**促進社會的共融發展**



Everbright Water strives to build sustainable, inclusive, and vibrant communities. Besides promoting environmental protection, the Group also delivers warmth and care to the communities. The Group cares for the needs of all sectors of the society, and actively participates in charitable activities and brings positive energy to the communities.

光大水務致力建立可持續、共融及富有活力的社區。在推動環境保護的同時，本集團不忘向社區傳遞溫暖與關愛，切身關懷社會各界的需要並積極參與公益活動，為社區注入正能量。

### Promotion of Environmental Protection and Education

### 宣揚環境保護及教育



**As at 31 December 2019**  
截至二零一九年十二月三十一日

A total of  
本集團共有

**12**

projects were recognised as “Environmental Education Hub” or “Science Popularisation and Education Hub”  
個項目獲封「環境教育基地」或「科普教育基地」稱號

**In 2019**  
二零一九年

Everbright Water’s projects received  
光大水務的項目共接待

**19,244** Visitors  
參觀人士

Visitors More than  
參觀人士超過

**870** batches  
批次

As an environmental protection enterprise focusing on water environment management, Everbright Water deems environmental protection and environmental education as its responsibility. The Group also leverages on its competitive advantages in technology, resources and talent to join hands with various environmental, technological associations and government organisations in organising various activities to promote advanced environmental technology and increase public awareness on environmental protection.

In order to promote environmental education, the Group continuously opens more environmental protection facilities to the public. It also co-operates with different sectors in various fields, and enhances collaborations on areas related to teenagers' environmental and science popularisation, with the mission of promoting environmental protection knowledge. The Group has implemented specific targets and policies for public opening of facilities. It is also committed to participating in local and international environmental protection and technology activities, aligning with national policies, formulating policies for environmental protection open days, and encouraging employees to live a low-carbon lifestyle.

作為一家以水環境綜合治理業務為主業的環保企業，光大水務義不容辭地承擔環境保護及環保教育的重任，並利用其在技術、資源及人才方面的優勢，積極聯同多個環保、科技協會及政府機構展開各類活動，以推廣先進環保技術及提升公眾環保意識。

為了推動環保教育，本集團不斷加強環保設施公眾開放，於青少年環保科普教育等領域與各界深度合作，以普及環保知識為己任。本集團在公眾開放方面落實了具體的目標與措施，並致力參與國內和國際的環保科技活動，配合國家政策、制定環保開放日政策與鼓勵員工實行低碳生活。

### Everbright Water's Public Opening of Environmental Protection Facilities

#### 光大水務的環保設施公眾開放

##### Goal 目標

To develop itself into an advanced national hub for public visits and environmental education that provides on-site visit, practical learning and technical training simultaneously within three years.  
力爭在三年內把本公司建設成為一個集參觀學習、實踐拓展、技能培訓為一體的全國先進的公眾開放和環保宣傳陣地。

##### Headquarter 總部

Formulated clear goals and timeline for public opening plan.  
為公眾開放計劃制定了明確的目標及時間表。

##### Project Companies 項目公司

Established a leading task force for public opening.  
成立公眾開放領導小組。

## Everbright Water's Specific Policies in Promoting Environmental Protection

光大水務推廣環保的具體措施

**Project companies in various provinces innovatively participate in international environmental protection and technology activities including:** **Participate in international and local environmental protection and technology activities.**

各省份的項目公司均以創新的形式參與國際性的環保科技活動，包括：

各省份的項目公司均以創新的形式參與國際性的環保科技活動，包括：

參與國際性與本地的環保科技活動。

**"World Water Day"**

「世界水日」



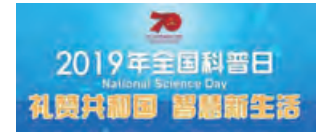
**"World Environment Day"**

「世界環境日」



**"National Science Popularisation Day"**

「全國科普日」



**Align with National Policies**

配合國家政策

Align with *National Scientific Literacy Action Plan* and *Science Popularisation Infrastructure Development Plan* implemented by the nation.

配合國家落實《全民科學素質行動計劃綱要》和《科普基礎設施發展規劃》。

**Formulate Policies for Environmental Protection Open Days**

制定環保開放日政策

Various project companies have already formulated policies for environmental protection open days to voluntarily open up the facilities for public scrutiny while at the same time advocating the concept of environmental protection and promoting waste water treatment technology to all walks of life.

多個項目公司已陸續制定了環保開放日政策，自願接受公眾監督的同時向各界人士宣揚環保知識與介紹污水處理工藝。

**Encourage Employees to Take the Lead**

鼓勵員工以身作則

In response to the "I am the Enabler for a Beautiful China" initiative of Ministry of Ecology and Environment of the PRC, project companies have actively encouraged employees to be environmentally friendly in their daily life, such as switching to a paperless working environment and bringing their own shopping bags, etc.

為響應中國生態環境部的「美麗中國·我是行動者」計劃，項目公司積極鼓勵員工從生活中貫徹環保理念，例如工作環境無紙化和自備購物袋等。

**As at 31 December 2019, the Group had a total of 20 projects that were opened to the public.**

**截至二零一九年十二月三十一日，本集團共有20個項目向公眾開放。**

Ji'nan Waste Water Treatment Project (Plant 1)  
濟南污水處理項目（一廠）

Ji'nan Licheng Waste Water Treatment Project (Plant 3)  
濟南歷城污水處理項目（三廠）

Ji'nan Huashan Waste Water Treatment Project  
濟南華山水質淨化項目

Zhangqiu Waste Water Treatment Project (Plant 1)  
章丘污水處理廠項目（第一廠）

Beijing Daxing Tiantanghe Waste Water Treatment Project  
北京大興區天堂河污水處理項目

Nanjing Liuhe Waste Water Treatment Project  
南京六合污水處理項目

Lianyungang Dapu Waste Water Treatment Project  
連雲港大浦污水處理項目

Jiangyin Waste Water Treatment Project  
江陰污水處理項目

Dalian Quanshui Waste Water Treatment Project  
大連泉水污水處理項目

Dalian Siergou Waste Water Treatment Project  
大連寺兒溝污水處理項目

Ji'nan Waste Water Treatment Project (Plant 2)  
濟南污水處理項目（二廠）

Ji'nan Xike Waste Water Treatment Project (Plant 4)  
濟南西客污水處理項目（四廠）

Xianyang Waste Water Treatment Project  
咸陽東郊污水處理項目

Dezhou Nanyunhe Waste Water Treatment Project  
德州南運河污水處理項目

Binzhou Development Zone Waste Water Treatment Project  
濱州開發區污水處理項目

Suzhou Wuzhong Chengnan Waste Water Treatment Project  
蘇州吳中城南污水處理項目

Nanjing Pukou Industrial Waste Water Treatment  
南京浦口工業廢水處理項目

Xinyi Economic Development Zone Waste Water Treatment Project  
新沂經濟開發區廢水處理項目

Dalian Malanhe Waste Water Treatment Project  
大連市馬欄河污水處理項目

Dalian Chunliuhe Waste Water Treatment Project  
大連春柳河污水處理項目





**Ji'nan Waste Water Treatment Project**  
濟南污水處理項目



**Dalian Siergou Waste Water Treatment Project**  
大連寺兒溝污水處理項目



**Jiangyin Waste Water Treatment Project**  
江陰污水處理項目



**Beijing Daxing Tiantanghe Waste Water Treatment Project**  
北京大興區天堂河污水處理項目





**Lianyungang Dapu Waste Water Treatment Project**  
連雲港大浦污水處理項目



**Zhangqiu Waste Water Treatment Project**  
章丘污水處理項目



**Dezhou Nanyunhe Waste Water Treatment Project**  
德州南運河污水處理項目



**Xianyang Waste Water Treatment Project**  
咸陽污水處理項目





Ji'nan Waste Water Treatment Project received a number of recognitions, such as the "First Batch of Water Treatment Facilities Opened to Public in the Nation", "National Science Popularisation and Education Hub", "National Environmental Education and Social Practice Hub for Primary and Secondary School Students", "Shandong Provincial Environmental Education Hub" and the first batch of "Shandong Provincial Environmental and Science Popularisation Hub". The project has remained open to the community for many years and receives about 10,000 visitors every year. Since 2018, the project company has designated each Friday as open days and offered free professional explanations about the environmental protection facilities and green living life style. Ji'nan Waste Water Treatment Project has become one of the top picks by local universities, technical institutions, as well as secondary and primary schools to gain practical experience and education on environmental protection.

濟南污水處理項目作為「全國首批公眾開放水處理設施」、「全國科普教育基地」、「全國中小學環保教育社會實踐基地」、「山東省環境教育基地」及山東省第一批「省級環保科普基地」，多年來堅持對社會開放，每年接待公眾近萬人次，更於二零一八年將每週五定為公眾開放日，向公眾就環保設施和綠色生活提供免費的專業講解。濟南污水處理項目已成為當地大學、專業院校及中小學進行環保實踐、接受環保教育的首選地之一。

## Beijing Daxing Tiantanghe Waste Water Treatment Project Resolves “Not in My Back Yard (“NIMBY”) Syndrome”

北京大興區天堂河污水處理項目化解「鄰避效應」



Beijing Daxing Tiantanghe Waste Water Treatment Project has remained open to the public since it commenced operation. It accepts visits, study tours, as well as exchanges from different groups every year. It has a relatively more solid foundation for public opening. During the Reporting Period, the project company implemented the following measures to further resolve the “NIMBY Syndrome”:

北京大興區天堂河污水處理項目從運營起初就已經面向公眾開放，每年接受不同團體的參觀、考察、交流等活動，具有較好的公眾開放基礎。於報告期內，為了令項目更能化解「鄰避效應」，項目公司實施了以下措施：

### Factory Appearance 經得起看

- Built a garden-like factory with over 100 saplings being planted to create and improve the green environment of the factory  
打造和提升廠區綠化環境，綠化補種樹苗100餘棵，建設花園式廠區

### Odour Management 經得起聞

- Paid attention to the management of ventilation equipment and strengthened emergency preparedness and response plans and skills training  
重視通風裝置管理，加強應急預案和技能培訓

### Noise Control 經得起聽

- Blower equipment was installed with pipeline “protection” facilities to enhance operational efficiency  
鼓風機設備加裝管路「保護」設施，提高設備運行效率

### Emission Indicators 經得起測

- Strengthened the operations management and compliance responsibility, and enhanced the online monitoring and management system for effluents  
加強運管達標責任制管理，完善出水線上監測管理制度
- Appointed a person-in-charge and a contact person for equipment maintenance  
明確了設備維護責任人及聯絡人

Beijing Daxing Tiantanghe Waste Water Treatment Project will continue its improvement and optimisation, enhancement of public opening work, promotion of environmental protection in the community, and upgrading of its environmental protection facilities.

北京大興區天堂河污水處理項目將不斷優化、提升公眾開放工作，推進環保宣傳進社區與環保設施更新改造。

**CASE 個案  
STORY 分享****Series of Activities on the "World Environment Day" on 5 June**  
六月五日「世界環境日」系列活動

During the "World Environment Day" event on 5 June 2019, the Group's project companies in various regions proactively co-operated with the local governments and related organisations in organising various activities with the theme of environmental protection.

二零一九年六月五日的「世界環境日」活動中，本集團旗下位於各地的項目公司積極聯合當地政府及相關機構，組織了別開生面的環保主題活動。

**Environmental Promotion and Display of Samples**  
環保宣傳和樣品展示

On 5 June 2019, Everbright Water and the Ecology and Environment Bureau of Nanjing Pukou District jointly organised the "Everbright Water 2019 World Environment Day Environmental Protection Commemoration" with the theme of "Devoted to Ecology and Environment for a Beautiful China". Related officials from the Government of Nanjing Pukou District and more than 200 teachers, students and environmentalists were invited to the event. The event was a major activity for Everbright Water to fulfil social responsibility on the topic of environmental protection.

The Group also organised special environmental protection activities such as "Nanning Project Company Guarding the Yongjiang Mother River", "Beijing Project Company CYTS Charity Summer Camp", "Sanmenxia Project Company Singing on Environment Day", and "Suzhou Project Company Bringing Science Popularisation to the Community", etc. These activities aimed at promoting the concept of "Protecting the Environment for a Beautiful Home" to the young generation through a variety of means.

Activities on the "World Environment Day" included "Little Eco-Guide" environmental protection keynote speech and environmental knowledge competitions. Water purification system was specially set up to allow guests, teachers and students to better understand the entire process of purifying waste water. Guests and children also joined hands to post Everbright Water's "Endangered Marine Life Conservation Charity Postcard" into the designated mailbox for the event to wish for a decent ecological environment.

二零一九年六月五日，光大水務攜手南京市浦口區生態環境局共同舉辦主題為「情繫生態環境，築夢美麗中國」的「光大水務2019世界環境日環保主題紀念活動」，並邀請了南京浦口區政府相關領導以及200多名在校師生和環保人士到場參加。是次活動是光大水務踐行社會責任系列環保主題的主要活動。

本集團旗下更有「南寧項目公司守護邕江母親河」、「北京項目公司中青旅公益夏令營」、「三門峽項目公司環境日以歌傳唱」、「蘇州項目公司科普社區」等特色環保宣傳活動。這些活動旨在通過形式多樣的公益宣傳向青少年宣揚「愛護環境、美麗家園」的思想。

「世界環境日」的活動環節既有「小小生態講解員」環保主題演講，也有環保知識競賽，還專門在現場設置了淨水裝置，讓參與活動的嘉賓和師生更加直觀地了解到污水由濁變清的全過程。活動結束後，嘉賓和小朋友們共同將光大水務「瀕危海洋生物保護公益明信片」投進活動專用郵筒，表達大家對美好生態環境的嚮往。



## Series of Activities on the "World Environment Day" on 5 June 六月五日「世界環境日」系列活動

### "Welcome In and Reaching Out" 「請進來·走出去」

From 28 May to 5 June 2019, Ji'nan Waste Water Treatment Project organised a series of "Welcome In and Reaching Out" activities where people from different social circles and the environmentalists were invited. The event displayed the principles and processes of waste water treatment and showcased the Group's high-quality operation and management so as to raise public awareness of water conservation and demonstrate the Group's social responsibility.

During the one-week event, the project company welcomed a total of 510 visitors, including students from primary schools, Ji'nan University and Shandong Jianzhu University and a group of about 50 environmental activists led by the Bureau of Ecology and Environment of Ji'nan City, Tianqiao Branch. The Group also actively "Reached Out" and contacted teachers from Ji'nan Yangguang Yibai Primary School to initiate the "Environmental Protection Campaigns in Classrooms" event for more than 240 third grade students. Each visit to the project company was strictly conducted according to the Group's policies on public opening with tailored displays, demonstrations and explanations.

濟南污水處理項目自二零一九年五月二十八日至六月五日期間組織開展了「請進來·走出去」系列主題活動，邀請社會各界人士與環保人士參與。此次活動展示了污水處理的原理和過程，展現了本集團的高品質運營管理，提升了市民珍惜水資源的意識，彰顯了企業責任和社會擔當。

在一周的活動時間內，項目公司共接待社會各界人士510人進行參觀訪問，當中包括小學生、濟南大學和山東建築大學的學生以及濟南生態環境局天橋分局帶領的50餘位環保工作者等。本集團更積極「走出去」，主動聯繫濟南市陽光壹佰小學老師，對三年級240餘位同學開展了環保宣傳「進課堂」活動。每次接待訪客均嚴格按照本集團公眾開放要求進行，並針對不同參觀人群有區別、有重點地展示、講解和答疑。



## Environmental Science Popularisation Community Activities

### 環保科普進社區活動

During the year under review, five environmental volunteers from Beijing Daxing Tiantanghe Waste Water Treatment Project went to Tiangongyuan community in Daxing District of Beijing and initiated the environmental science and popularisation promotion activities for the “World Environment Day” on 5 June. The volunteers investigated and analysed the situation of the community in advance to design tailored activities for the elderly community. They created slogans on waste water treatment knowledge by using simple and vivid wordings to promote scientific knowledge, and demonstrated the effect of waste water treatment by comparing the samples of incoming water with effluents.

於回顧年度內，北京大興區天堂河污水處理項目的五名環保志願者，走入北京市大興區天宮院社區開展六月五日「世界環境日」環保科普宣傳活動。環保志願者們提前進社區調查分析，針對社區受眾年齡偏大的實際情況，他們將宣傳詞和污水處理知識串聯起來，用簡潔、生動的語言宣傳科普知識；用進、出水水質實物對比，直觀展示污水處理效果。



On Mother’s Day, Ji’nan Waste Water Treatment Project Company held a special public visit event with the theme of “Joining Hands with Mothers and Devoted to Ecology”. Employees’ mothers and spouses were invited to visit the waste water treatment plant. During the visit, they were introduced to the treatment process of the plant and watched the science popularisation video related to Ji’nan Project.

在母親節當天，濟南污水處理項目公司舉辦了以「牽手母親·生態築夢」為主題的特殊公眾開放活動，邀請員工的母親與配偶參觀污水處理廠。在參觀過程中，員工為他們介紹了污水處理廠的處理工藝，觀看了有關濟南項目的科普宣傳片。



### Series of Activities on the "World Environment Day" on 5 June 六月五日「世界環境日」系列活動



In July 2019, "little news reporters" from Zhangqiu Morning Post visited Zhangqiu Waste Water Treatment Project for an interview. They witnessed the transformation of waste water to clean water and had a better understanding of waste water treatment.

二零一九年七月，章丘晨報的「新聞小記者」走進章丘污水處理項目進行參觀採訪，見證污水變成清水的過程，讓小記者們對污水處理有了更加直觀的了解。



Nanjing Project Company welcomed various visiting groups, including a group of over 600 young pioneers members from the "Red Scarfs in Search of the Great Footprint of New China Study Tour". The project company also received a group of over 40 students from Nanjing Nanhua Experimental Primary School and launched the event themed "Increasing Blue Sky Days, Protecting Clean Water, and Presenting Gifts to Environmental Pioneers". Nanjing Project Company received recognitions from the community, a thank-you letter from the visiting groups, as well as an "Environmental Protection Pioneer" plaque from the visiting group.

南京項目公司接待了多個參觀團體，包括「紅領巾尋訪新中國偉大足跡少先隊小幹部研學團」的共約600餘人。另外項目公司亦接待了來自南京南化實驗小學的40餘名同學並開展「增藍天，保清水，獻禮環保先鋒」的主題活動。南京項目公司取得了社會廣泛認可，並收到參觀單位的感謝信和「環保先鋒」牌匾。



Please refer to chapter 10 of the Report for the details of projects with major education recognitions and major science, technology, and environmental education activities in 2019.

有關二零一九年主要項目教育榮譽與主要科技及環保教育活動詳情，請查看本報告第十章。

### Building an Inclusive Community

### 建立共融社區



In 2019  
二零一九年



The Group participated in  
本集團參與了

**12** charity events  
次慈善公益活動

Total number of volunteers  
義工總人數

**25**

Total volunteer services hours  
義務服務總時數

**160** Hours  
小時

Charitable donations  
捐款總金額

**HK\$ 967,899.10** 港元

To ensure the harmony between the Group's projects and the surrounding environment and communities, the Group complies with the applicable IFC guidelines, local laws and regulatory requirements and promotes community participation. Social concerns are also included in the entire project life cycle, to ensure that any resettlement associated with the Group's project development will be properly managed in compliance with applicable laws, and all affected people will receive fair and adequate compensation and rehabilitation.

為確保本集團旗下項目與周邊環境及社區和諧共處，本集團遵循相關的IFC指引和當地法律與法規要求，積極推動社區參與，並將社會關注點納入項目生命週期的整個階段，重點確保對項目開發相關的搬遷安置工作按照適用法律進行妥善管理，使受影響人士得到公平、充分的補償和安置安排。

Under the guidance of the internal *Donations and Sponsorships Management Measures*, the Group also actively promotes social, economic and environmental inclusion to prevent unfair treatment due to factors such as age, gender, disability, and to ensure the well-being of the underprivileged and the needy. In addition, the Group has always upheld the spirits of embracing mutual help and love and undertaking responsibility. The Group also encourages its employees to participate in charitable events to promote social inclusion and fulfill corporate social responsibility.

During the Reporting Period, the Group's employees spent a total of 160 hours in various kinds of philanthropic and charitable events, including voluntary fund-raising, visiting underprivileged families, voluntary duty service, etc.

在內部《對外捐贈、贊助管理辦法》的規範指引下，本集團亦積極推動社會、經濟和環境共融，使人們不會因年齡、性別、殘疾與否等因素受到不公對待，為弱勢社群和有需要的人士謀取福祉。此外，本集團一直對內宣揚互助互愛、勇於承擔的精神，鼓勵並支持員工參與各項公益活動，促進社區的平等共融，踐行企業社會責任。

報告期內，本集團的員工身體力行參與各個範疇的慈善及公益活動，包括自願籌款、到弱勢群體家中進行探訪、進行義務勞動等等，義工服務總時數達160小時。



In November 2019, Nanjing Waste Water Treatment Project participated in "Love and Share" charitable book donation event initiated by the relevant government authorities of Pukou District.

二零一九年十一月，南京污水處理項目參與浦口區相關政府部門倡議的「愛心分享·共沐書香」公益圖書捐贈活動。



During the Reporting Period, employees from Zibo Waste Water Treatment Project joined volunteers from Beijing, Hunan and Heilongjiang provinces to distribute cotton coats and school supplies for underprivileged children. They also sang with the children to encourage them in their studies and kindle their hope.

報告期內，淄博污水處理項目的員工與來自北京、湖南、黑龍江等省份的義工給貧困學童發放棉衣和學習用品，並與學童一起唱歌，鼓勵孩子努力學習，為他們燃點希望。

## SUSTAINABLE DEVELOPMENT GOALS

## 可持續發展目標

In 2015, the United Nations adopted the 2030 Agenda for Sustainable Development, which included 17 SDGs and emphasised the need to achieve overall sustainable development. Everbright Water is an enterprise focusing on environmental water management and aquatic ecosystem protection, with an aim to improve the water environment and alleviate the water resource crisis in China. The Group's vision is aligned with the SDGs. In the future, the Group will continue playing a proactive role in implementing various SDGs through leveraging on its innovative technology to operate various kinds of environmental projects, as well as organising and participating in volunteering events. The summary below depicts how the Group's operational policies and activities are closely related to the SDGs.

聯合國於二零一五年通過二零三零年可持續發展議程，內容包括17項SDGs，強調要全面達至整體可持續發展。光大水務是一家專注於水環境治理及水生態保護的企業，旨在改善中國水環境並協助緩解水資源短缺危機。本集團的願景與SDGs一致，未來將繼續以創新的技術運營各類環保項目，並透過開展及參與義工和慈善活動等落實SDGs。以下概要描述了本集團的運營方針與本集團的活動如何與該等目標相關。

### Environment 環境



#### 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

#### 3.9

By 2030, to substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination.  
到二零三零年，大幅減少危險化學品以及空氣、水和土壤污染導致的死亡和患病人數。

#### Everbright Water's Operations

光大水務的業務

The effluent discharged from most of the Group's waste water treatment plants complies with Grade 1A standard of *Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant* (GB18918-2002).

本集團大部分污水處理廠的出水均符合《城鎮污水處理廠污染物排放標準》(GB18918-2002)的一級A標準。



**Ensure availability and sustainable management of water and sanitation for all**  
為所有人提供水和環境衛生並對其進行可持續管理

#### 6.4

By 2030, to substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity.

到二零三零年，所有行業大幅提高用水效率，確保可持續取用和供應淡水，以解決缺水問題，大幅減少缺水人數。

#### Everbright Water's Operations

##### 光大水務的業務

The Group treated a total of approximately 1,433,805,000 m<sup>3</sup> of waste water and produced approximately 17,652,000 m<sup>3</sup> of reusable water in 2019.

本集團於二零一九年共處理了約1,433,805,000立方米的污水和生產了約17,652,000立方米的回用水。



**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

#### 9.4

By 2030, to upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking actions in accordance with their respective capabilities.

到二零三零年，所有國家根據自身能力採取行動，升級基礎設施，改進工業以提升其可持續性，提高資源使用效率，更多採用清潔和環保技術及產業流程。

#### Everbright Water's Operations

##### 光大水務的業務

Ji'nan Huashan Waste Water Treatment Project, the Group's first fully underground waste water treatment project, commenced operation in August 2018. The project conserves valuable land resources.

本集團首個全地下式污水處理項目－濟南華山水質淨化項目於二零一八年八月正式投運，節省了寶貴的土地資源。

## 11 SUSTAINABLE CITIES AND COMMUNITIES



### 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

#### 11.6

By 2030, to reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality, municipal and other waste management.

到二零三零年，減少城市的人均負面環境影響，包括特別關注空氣質量，以及城市廢物管理等。

### Everbright Water's Operations

光大水務的業務

During the Reporting Period, the Group expanded its business to raw water protection, and committed to optimising the source of water intake and protecting precious ecological wetlands and drinking water resources. 報告期內，本集團將業務拓展至原水保護領域，致力優化取水水源，保護珍貴的生態濕地與食水資源。

## 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



### Ensure sustainable consumption and production patterns

採用可持續的消費和生產模式

#### 12.2

By 2030, to achieve sustainable management and efficient use of natural resources.

到二零三零年，實現自然資源的可持續管理和高效利用。

### Everbright Water's Operations

光大水務的業務

The Group engages qualified third-parties to turn sludge into useful materials for the production of compost, construction material, or energy recovery via incineration so as to reduce the environmental impact.

本集團聘請具有資質第三方把污泥回收加工以作堆肥、建材利用，或透過焚燒回收能源，從而減低其對環境的影響。

## 13 CLIMATE ACTION



### 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

#### 13.1

To strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.

加強各國抵禦和適應氣候相關的災害和自然災害的能力。

### Everbright Water's Operations

光大水務的業務

The Group's waste water treatment project in Qingdao generates green electricity with biogas produced from sludge treatment so as to replace the consumption of fossil fuel and offset GHG emissions. The Group's operations offset 10,263.88 tonnes of carbon dioxide equivalent emissions in 2019.

本集團位於青島的污水處理項目利用污泥處理時所產生的沼氣產生綠色電力，以代替化石燃料的使用，從而抵消了溫室氣體排放。二零一九年，本集團的運營共抵消10,263.88噸二氧化碳排放當量。



**Conserve and sustainably use the oceans, seas and marine resources for sustainable development**

保護和可持續利用海洋和海洋資源以促進可持續發展

**14.1**

By 2025, to prevent and significantly reduce marine pollution of all kinds, particularly from land-based activities, including marine debris and nutrient pollution.

到二零二五年，預防和大幅減少各類海洋污染，特別是陸上活動造成的污染，包括海洋廢棄物污染和營養鹽污染。

**Everbright Water's Operations**

光大水務的業務

In an effort to protect the marine ecosystem, the Group ensures that all effluents discharged to seas are effectively treated in strict compliance with relevant discharge standards.

本集團確保其排放至大海的排放水均經過高效的污水處理，並嚴格滿足相關排放要求，從而保護海洋生態。



**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

**15.1**

By 2020, to ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular, forests, wetlands, mountains and drylands, in line with obligations under international agreements.

到二零二零年，根據國際協議規定的義務，保護、恢復和可持續利用陸地和內陸的淡水生態系統及其服務，特別是森林、濕地、山麓和旱地。

**Everbright Water's Operations**

光大水務的業務

The Group's river-basin ecological restoration projects improve the health of river ecosystems, including riparian habitats. The Group's completed river ecological restoration works and those in preparatory stage are expected to conserve a total of 22 km<sup>2</sup> of riparian zone.

本集團的流域治理項目改善和強健河道生態系統，其中包括河岸棲息地。目前本集團已完成及正在籌備的河道生態治理工程將累計保育22平方公里的河岸棲息地。

## Social 社會



### 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

#### 3.9

By 2030, to substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water, and soil pollution and contamination. 到二零三零年，大幅減少危險化學品以及空氣、水和土壤污染導致的死亡和患病人數。

### Everbright Water's Operations

光大水務的業務

The Group launches "Safe Production Month", formulates relevant safety standards and guidelines and provides various trainings on relevant laws and regulations. These initiatives ensure prevention of accidental release of pollutants that could post a threat to public health. 本集團通過開展「安全生產月」系列活動、制定相關標準和指引、開展相關法律法規專題培訓。此等舉措確保避免污染物的泄漏，以保障公眾健康。



### 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

#### 4.4

By 2030, to substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship. 到二零三零年，大幅增加掌握就業、體面工作和創業所需相關技能，包括技術性和職業性技能的青年和成年人數。

### Everbright Water's Operations

光大水務的業務

In order to promote environmental education, the Group continuously opens more environmental protection facilities to the public. During the year under review, the Group received 19,244 visitors in more than 870 batches. 為了推動環保教育，本集團不斷加強環保設施公眾開放。於回顧年度內，本集團的項目共接待19,244名參觀人士，逾870批次。



### Achieve gender equality and empower all women and girls

實現性別平等，增強所有婦女和女童的權能

#### 5.1

To end all forms of discrimination against women and girls everywhere.

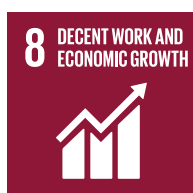
在全球消除對婦女和女童一切形式的歧視。

### Everbright Water's Operations

光大水務的業務

The Group ensures that its human resources management structure (including compensation, training opportunity and promotion opportunity) is not gender-biased, in order to achieve gender equality.

本集團力求人力資源管理架構（如薪酬水平，培訓機會及晉升機會）不受性別所限，實現男女性別平等。



### 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

#### 8.2

To achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high value-added and labour-intensive sectors.

通過多樣化經營、技術升級和創新，包括重點發展高附加值和勞動密集型行業，實現更高水平的經濟生產力。

### Everbright Water's Operations

光大水務的業務

Through investment, construction and operation of advanced waste water treatment projects, the Group facilitates the development of the downstream industry in sludge transportation and treatment, forming a comprehensive and sustainable water treatment industrial chain.

本集團透過投資、建造及運營先進的污水處理項目，帶動了下游污泥運輸及處置行業，形成完整的可持續水處理產業鏈。





### Reduce inequality within and among countries

減少國家內部和國家之間的不平等

#### 10.2

By 2030, to empower and promote the social, economic and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion or economic or other status.

到二零三零年，增強所有人的權能，促進他們融入社會、經濟和政治生活，而不論其年齡、性別、殘疾與否、種族、民族、出身、宗教信仰、經濟地位或其他任何區別。

### Everbright Water's Operations

光大水務的業務

The Group pays special attention and adopts measures to ensure that its operations do not affect the dignity, rights, livelihood, or culture of indigenous peoples. Local ethnic minorities and Han majority are respected and treated equally.

本集團特別關注採取措施以確保項目運營不會影響原住民族的尊嚴、權利、生計或文化。當地少數民族和漢族在工作上均受到同樣尊重和對待。

## Long-Term Targets of the Group

## 本集團的長遠目標

Aspect 範疇	Target 目標
<b>Economic Performance</b> 經濟績效	To create long-term and sustainable economic growth 創造長遠及可持續的經濟增長
<b>Market Presence</b> 市場表現	To continuously increase market share 不斷提高市場佔有率
<b>Material and Resource Usage</b> 物料及資源利用	To reduce resource consumption through efficiency enhancement 提升生產效率從而降低資源消耗
<b>Waste Water Treatment and Sludge Treatment and Disposal</b> 污水處理及污泥處理處置	To provide high-quality water environment management services and minimise the environmental impacts arising from operations 提供高質素的水環境綜合治理服務，將運營的環境影響減至最低
<b>Climate Resilience</b> 氣候抗禦	To incorporate climate considerations into project planning 將氣候考量納入項目規劃中
<b>Employee Welfare and Protection</b> 員工福利及保障	To safeguard the development of the Group's talents 為人才在本集團的發展提供妥善保障
<b>Energy Efficiency</b> 能源效益	To continuously reduce energy consumption of operating projects and actively explore various energy-saving solutions 持續減少運營項目的能源消耗，積極探索各種節能方案
<b>Disaster and Emergency Planning and Response</b> 災難及應急預案規劃	To reduce the number of unplanned shutdowns at operating projects 降低運營項目非計劃停運的次數
<b>Diversity and Equal Opportunity</b> 多元化及平等機會	To eliminate any forms of discrimination based on gender, race and religion, etc. and provide the employees with an inclusive workplace 杜絕任何性別、種族及宗教等形式的歧視，為員工提供一個共融的工作環境
<b>Customers' Health and Safety</b> 顧客健康與安全	To strictly comply with relevant effluent discharge standards of waste water treatment projects, thus reducing public health risks 嚴格遵守污水處理項目的相關出水水質標準，從而降低公眾的健康風險
<b>Social Compliance</b> 社會法規的遵循	To strictly comply with relevant local social regulations and ensure that the Group is not involved in any misconducts, such as: bribery, extortion and money laundering, etc. 嚴格遵守項目所在地區的相關社會法規，確保本集團沒有涉及賄賂、勒索或洗黑錢等不當行為
<b>Procurement Practices</b> 採購實務	To conduct supplier risk assessment on more suppliers 為更多供應商進行供應商風險評估

## Major Sustainable Development Targets:

可持續發展的主要目標如下：

Aspect 範疇	2020 Target 二零二零年目標	Long-Term Target (2030) 長遠目標（二零三零年）
<b>Occupational Health and Safety</b> 職業健康與安全	To maintain the rate of work-related injuries of employees below the level of 0.25 員工工傷率維持低於0.25水平	To maintain the rate of work-related injuries of employees at an average level of 0.25 or below throughout the period of 2020-2030 員工工傷率於二零二零至二零三零年間平均維持於0.25或以下水平
<b>Discharge Compliance</b> 排放合規	To maintain zero substantial non-compliance case in relation to effluent discharge 有關排放的嚴重違規個案維持於零宗	To maintain zero substantial non-compliance case in relation to effluent discharge consistently throughout the period of 2020-2030 有關排放的嚴重違規個案於二零二零至二零三零年間持續維持於零宗
<b>Employment Practice</b> 僱傭行為	To maintain zero case in relation to slavery, forced and bonded labour, child labour and abusive employment practices 有關任何奴役、強迫勞動、抵押勞工、使用童工及虐待行為維持於零宗	To maintain zero case in relation to slavery, forced and bonded labour, child labour and abusive employment practices consistently throughout the period of 2020-2030 有關任何奴役、強迫勞動、抵押勞工、使用童工及虐待行為於二零二零至二零三零年間持續維持於零宗

## Received Various Awards in the Aspect of Corporate Social Responsibility

With the Group's solid operating results and continued efforts in fulfilling social and environmental responsibilities, the Group was admitted to the list of "Centurion Club" under the service sector organised by The Edge Singapore, an influential financial magazine in Singapore. In the meantime, the Group received the "Best of Social Responsibility Award" at the 2019 China Corporate Elites Award Ceremony in Hong Kong and awarded the "Sustainability Winner" under the Mid-Cap category in the "Investors' Choice Awards" 2019 organised by the Securities Investors Association (Singapore) in recognition of its excellence in sustainability.

## 於企業社會責任範疇屢獲殊榮

本集團憑藉著穩健的經營業績以及在企業社會責任、環境責任、可持續發展等方面的不懈努力和貢獻，在新加坡權威財經媒體The Edge Singapore年度「百夫長俱樂部」評選中獲頒服務類行業「最佳企業」殊榮。與此同時，憑藉在可持續發展方面的卓越表現，本集團於香港二零一九年中國企業精英頒獎禮中榮獲「最具社會責任獎」，於新加坡證券投資者協會二零一九年度「投資者之選」獎項評選中獲得「可持續發展大獎」（中型股類別）。

## Projects with Major Education Recognitions in 2019

## 二零一九年主要項目教育榮譽

Project 項目	Recognition 殊榮
Suzhou Wuzhong Chengnan Waste Water Treatment Plant 蘇州吳中城南污水處理項目	Science Popularisation and Education Hub 科普教育基地 Talent Development Hub 人才培養基地 Civilised Etiquette Cultivation, Education and Practices Base for Minors 未成年人文明禮儀養成教育實踐基地
Zhangqiu Waste Water Treatment Project 章丘污水處理項目	Ji'nan Municipal Environmental Education Hub 濟南市環境教育基地
Ji'nan Waste Water Treatment Project 濟南污水處理項目	Everbright International's Talent Development Hub in 2019 二零一九年光大國際人才培養基地
Sanmenxia Waste Water Treatment Project 三門峽污水處理項目	Henan Provincial Environmental Education Hub 河南省環境教育基地
Dezhou Nanyunhe Waste Water Treatment Project 德州南運河污水處理項目	Practices Base for Ecological Civilisation Development 生態文明建設實踐基地

## Major Associations Participated by Everbright Water

## 光大水務參與的主要協會

Major Associations Participated by Everbright Water 光大水務參與的主要協會	Highlighted Activities in 2019 二零一九年重點活動
E20 Environmental Platform E20環境平台	Admitted into "Top 10 Influential Enterprises in the Water Industry of China" for 2019 入選二零一九年度「中國水業十大影響力企業」
Urban Water Supply Branch of Shandong Urban Construction Management Association 山東省城市建設管理協會城鎮供排水分會	Attended the second Shandong Urban Construction Expo and the first members' meeting of the Shandong Urban Water Supply Association on 9 September 2019 二零一九年九月九日參加第二屆山東省城市建設博覽會暨山東省城鎮供排水協會第一屆會員大會
Shandong Urban Construction Management Association 山東省城市建設管理協會	Participated in the "2019 Selection of Excellent Organisations and Individuals for the Urban Water Supply and Drainage Industry of Shandong Province" in December 2019 二零一九年十二月參與「二零一九年山東省城鎮供排水行業先進集體和個人評選」
Shandong Urban Water Supply Association 山東省城鎮供排水協會	Attended the first members' meeting in September 2019 二零一九年九月參加第一屆會員大會
Jiangsu Civil Engineering & Architectural Society 徐州市土木建築學會	Attended annual meeting 參加年會
Ji'nan Association for Science and Technology 濟南市科學技術協會	Participated in the "National Science Popularisation Day" activities on 18 September 2019 二零一九年九月十八日參加「全國科普日」活動
Ji'nan Urban Water Supply and Drain Association 濟南市城鎮供水排水協會	Attended the first Session of the fourth Ji'nan Council Meeting in February 2019 二零一九年二月參加濟南市水協第四屆一次會議
Qingdao Municipal Water Supply, Conservation and Drainage Association 青島市城鎮供水節水排水協會	Attended members' meeting in 2019 參加二零一九年會員大會
Drainage Branch of Wuxi Municipal Public Utility Association 無錫市市政公用協會排水分會	Attended annual meeting in May 2019 二零一九年五月參加年會
Jiangyin Society for Environmental Sciences 江陰市環境科學學會	Attended annual meeting in March 2019 二零一九年三月參加年會
Jiangyin Waste Water Treatment Industry Association 江陰市污水處理行業分會	Attended relevant meetings 參加會議

Total economic contributions to the major associations in 2019 amounted to RMB205,000.

二零一九年對各協會的總經濟貢獻為人民幣205,000元。



## VERIFICATION STATEMENT

### Scope and Objective

Hong Kong Quality Assurance Agency ("HKQAA") was commissioned by China Everbright Water Limited ("Everbright Water") to undertake an independent verification for the Sustainability Report 2019 (hereinafter called the "Report"). The Report stated the sustainability performance of Everbright Water in the period of 1<sup>st</sup> January 2019 to 31<sup>st</sup> December 2019.

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, 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, as well as the Singapore Exchange Securities Trading Limited ("SGX") Listing Manual (Rules 711A, 711B and Practice Note 7.6 Sustainability Reporting Guide).

### 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 ESG Guide, and the SGX Listing Manual (Rules 711A, 711B and Practice Note 7.6 Sustainability Reporting Guide).

HKQAA's verification process included verifying the mechanisms for collecting, calculating and reporting the sustainability performance information, reviewing relevant documented information, interviewing responsible personnel with accountability for preparing the Report and verifying selected representative samples of data and information. Raw data and supporting evidence of the selected samples were also thoroughly examined during the verification process.

### Independence

Everbright Water is responsible for the collection and preparation of the information presented. HKQAA did not involve in the collection and calculation of data or the compilation of the reporting contents. Our verification activities were entirely independent and there was no relationship between HKQAA and Everbright Water that would affect the impartiality of the verification.

### 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 ESG Guide, as well as the SGX Listing Manual (Rules 711A, 711B and Practice Note 7.6 Sustainability Reporting Guide);
- The Report illustrates the sustainability performance of Everbright Water, 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 Water's sustainability performance that is commensurate with the sustainability context and materiality of the company.

Signed on behalf of Hong Kong Quality Assurance Agency

KT Ting  
Director, Strategic Services Development  
May 2020



## 核實聲明

### 範圍及目的

香港品質保證局已對中國光大水務有限公司（「光大水務」）二零一九年可持續發展報告（「報告」）的全部內容進行獨立驗證。該報告陳述了光大水務於二零一九年一月一日至二零一九年十二月三十一日期間，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、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》，及新交所上市手冊（第 711A 條、第 711B 條和第 7.6 項應用指引〔可持續發展報告指引〕）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，核實的內容是按照全球報告倡議組織(GRI)的《可持續發展報告標準》的全面選項、《環境、社會及管治報告指引》，及新交所上市手冊（第 711A 條、第 711B 條和第 7.6 項應用指引〔可持續發展報告指引〕）而定。

香港品質保證局的核實過程包括驗證了光大水務的可持續發展表現資料收集、計算和彙報的機制，檢閱有關文件資料，與負責編制報告的代表面談，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

光大水務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。就提供此核實服務而言，香港品質保證局與光大水務之間並無任何會影響核實公正的關係，我們的核實過程是完全獨立的。

### 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，《環境、社會及管治報告指引》，及新交所上市手冊（第 711A 條、第 711B 條和第 7.6 項應用指引〔可持續發展報告指引〕）的要求編制；
- 報告平衡、清晰、具比較性和及時地將光大水務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水務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

丁國滔  
策略服務發展總監  
二零二零年五月

## Economic Performance

## 經濟表現

		2019	2018	2017
		HKS'000	HKS'000	HKS'000
		港元千元	港元千元	港元千元
<b>Direct Economic Value Generated</b>	<b>產生的直接經濟價值</b>			
Revenue	收入	<b>5,550,773</b>	4,768,318	3,591,633
Other income and gains, net	其他收入及收益淨額	<b>113,465</b>	140,583	129,809
Share of profits of associates	所佔聯營公司盈利	<b>614</b>	422	158
<b>Economic Value Distributed</b>	<b>分配的經濟價值</b>			
Staff costs	員工開支	<b>343,291</b>	283,240	235,902
Other costs <sup>(1)</sup>	其他成本 <sup>(1)</sup>	<b>3,693,877</b>	3,210,445	2,316,973
Net finance costs	財務費用淨額	<b>334,939</b>	273,480	228,928
Dividends	股息	<b>212,180</b>	151,863	77,003
Taxes <sup>(2)</sup>	稅項 <sup>(2)</sup>	<b>156,657</b>	144,123	114,432
Profit attributed to non-controlling interests	非控股權益應佔盈利	<b>51,246</b>	60,296	67,437
Charitable donations	慈善捐款	<b>968</b>	977	113
<b>Economic Value Retained</b>	<b>留存的經濟價值</b>			
Retained for Everbright Water's sustainable operation and development	留存作光大水務的可持續運營和發展	<b>871,694</b>	784,899	680,812



Operational Performance<sup>(3)</sup>營運表現<sup>(3)</sup>

		Unit 單位	2019	2018	2017
<b>Total Designed Capacity</b>		<b>總設計規模</b>			
Waste water treatment	污水處理	m <sup>3</sup> /day 立方米/日	<b>5,141,600</b>	3,865,000	3,835,000
Reusable water	中水回用	m <sup>3</sup> /day 立方米/日	<b>206,600</b>	81,600	81,600
Water supply	供水	m <sup>3</sup> /day 立方米/日	<b>850,000</b>	/	/
<b>Business Performance</b>		<b>業務表現</b>			
Waste water treatment	污水處理	m <sup>3</sup> 立方米	<b>1,433,805,000</b>	1,271,248,000	1,187,615,000
COD reduction	COD減排	tonne 噸	<b>325,441</b>	356,000	319,000
Reusable water	中水回用	m <sup>3</sup> 立方米	<b>17,652,000</b>	16,299,000	11,061,000
<b>GHG Emissions<sup>(4),(5),(6)</sup></b>		<b>溫室氣體排放<sup>(4),(5),(6)</sup></b>			
Scope 1 (Direct emissions)	範疇一 (直接排放)	tCO <sub>2</sub> e 噸二氧化碳當量	<b>5,727.71</b>	13,824.33	12,429.37
Scope 2 (Energy indirect emissions)	範疇二 (能源引致的間接排放)	tCO <sub>2</sub> e 噸二氧化碳當量	<b>283,335.27</b>	344,070.87	257,971.75
Scope 3 (Other indirect emissions)	範疇三 (其他間接排放)	tCO <sub>2</sub> e 噸二氧化碳當量	<b>2,581.14</b>	19,762.02	18,710.81
Total GHG emissions	溫室氣體排放總量	tCO <sub>2</sub> e 噸二氧化碳當量	<b>291,644.12</b>	377,657.22	289,111.93
GHG emission intensity	溫室氣體排放強度	kgCO <sub>2</sub> e/m <sup>3</sup> 公斤二氧化碳當量/立方米	<b>0.20</b>	0.30	0.24
GHG emissions offset	溫室氣體抵消量	tCO <sub>2</sub> e 噸二氧化碳當量	<b>10,263.88</b>	14,010.75	11,831.17
Net GHG emissions	淨溫室氣體排放量	tCO <sub>2</sub> e 噸二氧化碳當量	<b>281,380.24</b>	363,646.47	277,280.76
Net GHG emissions intensity	淨溫室氣體排放強度	kgCO <sub>2</sub> e/m <sup>3</sup> 公斤二氧化碳當量/立方米	<b>0.20</b>	0.29	0.23
<b>Direct Energy Consumption<sup>(7)</sup></b>		<b>直接能源消耗<sup>(7)</sup></b>			
Non-renewable electricity	非再生能源電力	GJ 吉焦	<b>1,695,500.70</b>	1,517,802.25	1,235,648.96
Biogas	沼氣	GJ 吉焦	<b>127,871.28</b>	181,488.69	150,176.12
Natural gas	天然氣	GJ 吉焦	<b>353.96</b>	14.30	Data not available 沒有相關數據
Diesel	柴油	GJ 吉焦	<b>6,888.59</b>	11,361.06	Data not available 沒有相關數據
Gasoline	汽油	GJ 吉焦	<b>7,098.23</b>	27,977.04	Data not available 沒有相關數據
Total energy consumed	總能源消耗	GJ 吉焦	<b>1,837,712.77</b>	1,738,643.34	1,385,825.08
Energy intensity	能源強度	kJ/m <sup>3</sup> 千焦/立方米	<b>1,281.70</b>	1,367.67	1,276.38
Emission factor of GHG emissions due to electricity used for treating waste water	用於處理污水的電力消耗導致的溫室氣體排放的排放因子	kgCO <sub>2</sub> e/m <sup>3</sup> 公斤二氧化碳當量/立方米	<b>0.19</b>	Data not available 沒有相關數據	Data not available 沒有相關數據
<b>Water Consumption</b>		<b>耗水</b>			
Total fresh water consumed	總淡水耗水量	m <sup>3</sup> 立方米	<b>1,766,558.40</b>	1,230,188.43	957,192.48
Fresh water intensity	淡水耗水強度	m <sup>3</sup> /1,000 m <sup>3</sup> 立方米/千立方米	<b>1.23</b>	0.97	0.81

		Unit 單位	2019	2018	2017
<b>Key Materials Used</b>	<b>所用主要物料</b>				
Function 用途	Material 物料				
Adsorbent 吸附劑	Pulverised coal ash 粉煤灰	Tonne 噸	0	595.61	1,471.16
Biological treatment 生物處理	Magnetic powder 磁粉	Tonne 噸	231.77	273.21	1.83
Carbon source 碳源	Manure 糞土		142.74	0	557.50
	Refined methanol 精甲醇		206.57	0	97.36
	Sodium acetate 乙酸鈉		123,960.76	44,692.91	11,181.53
	Waste methanol 廢甲醇		0	0	10.00
	Glucose 葡萄糖	Tonne 噸	21,672.93	6,746.80	Data not available 沒有相關數據
	Activated Carbon 活性碳		52.50	Data not available 沒有相關數據	Data not available 沒有相關數據
	Compound carbon source 複合碳源		158.79	Data not available 沒有相關數據	Data not available 沒有相關數據
	Xylose 木糖		2,691.80	Data not available 沒有相關數據	Data not available 沒有相關數據
Chemical oxidiser 化學氧化劑	Hydrogen peroxide 雙氧水		10,097.46	8,873.98	3,758.79
	Calcium hypochlorite 次氯酸鈣	Tonne 噸	1,497.09	2,350.83	2,773.12
	Liquid Oxygen 液氧		7,549.47	Data not available 沒有相關數據	Data not available 沒有相關數據
Coagulant & flocculant 凝結劑及絮凝劑	Ferrous sulphate 硫酸亞鐵		39,768.01	26,179.68	8,526.68
	Ferric chloride 三氯化鐵		60,139.73	33,696.48	21,982.13
	PAFC 聚合氯化鋁鐵		19,858.12	15,453.08	20,390.29
	PFC 聚合氯化鐵	Tonne 噸	189.91	0	900.82
	PFS 聚合硫酸鐵		30,276.69	33,765.22	32,206.39
	Flocculant 絮凝劑		1,151.21	5,554.35	820.20
	PAC 聚合氯化鋁		28,739.75	15,431.59	3,303.02

		Unit 單位	2019	2018	2017
<b>Key Materials Used</b>		<b>所用主要物料</b>			
Disinfectant 消毒劑	Hypochlorous acid 次氯酸		0	13,842.86	9,702.41
	Calcium hypochlorite 次氯酸鈉		19,093.01	Data not available 沒有相關數據	Data not available 沒有相關數據
	Liquid Chlorine 液氯		0	661.12	92.16
	Sodium chlorate 氯酸鈉		11.87	203.82	15.30
	Disinfectant 消毒劑	Tonne 噸	37.48	24.47	20.17
	Non-oxidising biocide 非氧化殺菌劑		1.21	Data not available 沒有相關數據	Data not available 沒有相關數據
	Sodium dodecyl benzene sulfonate 十二烷基苯磺酸		0.04	Data not available 沒有相關數據	Data not available 沒有相關數據
	EDTA 乙二胺四乙酸		1.25	Data not available 沒有相關數據	Data not available 沒有相關數據
pH adjustment 酸鹼調整	Citric acid 檸檬酸		101.68	38.66	Data not available 沒有相關數據
	Sodium carbonate 碳酸鈉		36.58	277.94	1,276.82
	Sodium bicarbonate 碳酸氫鈉		36.04	Data not available 沒有相關數據	Data not available 沒有相關數據
	Sodium phosphate 磷酸鈉		11.00	1.73	251.71
	Sulphuric acid 硫酸	Tonne 噸	665.18	426.32	2,105.48
	Lime 石灰		16,523.09	13,710.78	9,974.40
	Sodium hydroxide 氫氧化鈉		4,449.73	3,265.29	1,167.58
	Hydrochloric acid 鹽酸		3.15	Data not available 沒有相關數據	Data not available 沒有相關數據
	Sodium tripolyphosphate 三聚磷酸鈉		2.65	Data not available 沒有相關數據	Data not available 沒有相關數據
Other 其他		Tonne 噸	1,882.12	2,996.08	1,024.33
<b>Sludge Generated</b>		<b>所產生的污泥</b>			
Sludge generated from waste water treatment projects	污水處理項目所產生的污泥	Tonne	936,000	855,000	698,000
Intensity	強度	Tonne/1,000 m <sup>3</sup> 噸/千立方米	0.65	0.67	0.59

Social Performance <sup>(3)</sup>社會表現 <sup>(3)</sup>Employee Profile <sup>(8)</sup>員工概況 <sup>(8)</sup>

		2019	2018	2017
<b>Total Number of Employees</b>	<b>員工總數</b>	<b>2,317</b>	<b>2,007</b>	<b>1,824</b>
<b>By Gender</b>	<b>按性別劃分</b>			
Male	男性	1,655	1,461	1,310
Female	女性	662	546	514
<b>By Age</b>	<b>按年齡劃分</b>			
30 and below	30歲及以下	573	489	514
31 – 40	31 – 40歲	1,013	822	728
41 – 50	41 – 50歲	533	499	414
51 and above	51歲及以上	198	197	168
<b>By Employee Ranking</b>	<b>按員工職級劃分</b>			
Senior management	高級管理人員	121	96	108
Middle-level management	中層管理人員	302	298	218
General and technical staff	一般及技術員工	1,894	1,613	1,498
<b>By Geographical Region</b>	<b>按地區劃分</b>			
Hong Kong	香港	7	7	10
Singapore	新加坡	4	4	4
Mainland China	中國內地	2,306	1,996	1,810
Including: Local employees <sup>(9)</sup>	其中：本地員工 <sup>(9)</sup>	2,093	1,799	1,620
Foreign employees <sup>(9)</sup>	外地員工 <sup>(9)</sup>	224	208	204
<b>By Ethnicity</b>	<b>按民族劃分</b>			
Han	漢族	2,246	1,954	1,784
Ethnic minorities	少數族裔	71	53	40

## New Employees and Employee Turnover

## 新聘及離職員工

		2019		2018		2017	
		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>	新聘員工總數	445	19.21	297	14.80	295	16.17
<b>By Gender</b>	按性別劃分						
Male	男性	308	18.61	217	14.85	224	17.10
Female	女性	137	20.69	80	14.65	71	13.81
<b>By Age</b>	按年齡劃分						
30 and below	30歲及以下	216	37.70	159	32.52	162	31.52
31 – 40	31 – 40歲	187	18.46	100	12.17	91	12.50
41 – 50	41 – 50歲	37	6.94	34	6.81	36	8.70
51 and above	51歲及以上	5	2.53	4	2.03	6	3.57
<b>By Geographical Region</b>	按地區劃分						
Hong Kong	香港	0	0.00	2	28.57	1	10.00
Singapore	新加坡	1	25	0	0.00	1	25.00
Mainland China	中國內地	444	19.25	295	14.78	293	16.19
Including: Local employees <sup>(a)</sup>	其中：本地員工 <sup>(a)</sup>	399	19.06	253	14.06	222	13.70
Foreign employees <sup>(b)</sup>	外地員工 <sup>(b)</sup>	46	20.54	44	21.15	73	35.78
<b>Total Number of Employee Turnover (Resignation/Retirement)</b>	員工流失總數(離職/退休)	148	6.39	188	9.37	138	7.57
<b>By Gender</b>	按性別劃分						
Male	男性	105	6.34	133	9.10	96	7.33
Female	女性	43	6.50	55	10.07	42	8.17
<b>By Age</b>	按年齡劃分						
30 and below	30歲及以下	39	6.81	53	10.84	46	8.95
31 – 40	31 – 40歲	55	5.43	57	6.93	37	5.08
41 – 50	41 – 50歲	26	4.88	27	5.41	22	5.31
51 and above	51歲及以上	28	14.14	51	25.89	33	19.64
<b>By Geographical Region</b>	按地區劃分						
Hong Kong	香港	0	0.00	2	28.57	1	10.00
Singapore	新加坡	1	25.00	0	0.00	1	25.00
Mainland China	中國內地	147	6.37	186	9.32	136	7.51

## Training and Development

## 培訓及發展

		2019	2018	2017
<b>Total Training Hours</b>	總培訓時數	<b>57,066.50</b>	<b>338,027.90</b>	<b>126,805.00</b>
<b>Average Training Hours Per Employee</b>	平均員工培訓時數	<b>24.63</b>	168.42	69.52
<b>By Gender</b>	按性別劃分			
Male	男性	<b>24.89</b>	159.89	66.03
Female	女性	<b>23.97</b>	191.25	78.41
<b>By Employee Ranking</b>	按員工職級劃分			
Senior Management	高級管理人員	<b>19.63</b>	195.62	37.39
Middle-level management	中層管理人員	<b>28.97</b>	182.05	70.22
General and technical staff	一般及技術員工	<b>24.26</b>	164.29	71.73

## Health and Safety

## 健康與安全

		2019	2018	2017
<b>Employee</b>	員工			
Number of work-related fatalities	因工死亡個案	<b>0</b>	0	0
Rate of work-related fatalities <sup>(10)</sup>	因工死亡率 <sup>(10)</sup>	<b>0</b>	0	0
Number of occupational disease cases	職業病個案	<b>0</b>	0	0
Number of high-consequence work-related injuries (excluding fatalities) <sup>(11)</sup>	嚴重工傷個案(不包括死亡個案) <sup>(11)</sup>	<b>0</b>	0	0
Rate of high-consequence work-related injuries (excluding fatalities) <sup>(12)</sup>	嚴重工傷率(不包括死亡個案) <sup>(12)</sup>	<b>0</b>	0	0
Number of work-related injuries <sup>(13)</sup>	工傷個案 <sup>(13)</sup>	<b>2</b>	1	2
Rate of work-related injuries <sup>(14)</sup>	工傷率 <sup>(14)</sup>	<b>0.09</b>	0.05	0.22
Days of absence from work due to work-related injury	因工傷缺勤日數	<b>52</b>	3	113
<b>Third-Party Contractors and Sub-contractors Working Onsite</b>	第三方承包商及分包商駐場工人			
Number of work-related fatalities	因工死亡個案	<b>1</b>	0	0
Rate of work-related fatalities <sup>(10)</sup>	因工死亡率 <sup>(10)</sup>	<b>0.34</b>	0	0
Number of occupational disease cases	職業病個案	<b>0</b>	0	0
Number of high-consequence work-related injuries (excluding fatalities) <sup>(11)</sup>	嚴重工傷個案(不包括死亡個案) <sup>(11)</sup>	<b>0</b>	0	0
Rate of high-consequence work-related injuries (excluding fatalities) <sup>(12)</sup>	嚴重工傷率(不包括死亡個案) <sup>(12)</sup>	<b>0</b>	0	0
Number of work-related injuries <sup>(13)</sup>	工傷個案 <sup>(13)</sup>	<b>2</b>	0	0
Rate of work-related injuries <sup>(14)</sup>	工傷率 <sup>(14)</sup>	<b>0.68</b>	0	0
Days of absence from work due to work-related injury	因工傷缺勤日數	<b>135</b>	0	0

## Remuneration

## 薪酬

		2019	2018	2017
<b>Annual Total Remuneration and ratio figures</b>	<b>年度總薪酬及比例數據</b>			
Total remuneration of the highest-paid individual (HK\$)	最高薪人士的薪酬總額 (港元)	<b>4,360,000</b>	3,957,400	4,502,400
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) (港元)	<b>78,109</b>	76,258	74,244
The ratio of the total remuneration of the highest-paid individual to the median of the 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	<b>55.82</b>	51.89	60.64
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	<b>4.19</b>	6.41	1.24
<b>The Average Remuneration by Employee Ranking (HK\$)</b>	<b>各級員工職級的平均薪酬 (港元)</b>			
Senior management (male)	高級管理人員 (男)	<b>324,277</b>	326,923	
Senior management (female)	高級管理人員 (女)	<b>309,989</b>	210,677	
Middle-level management (male)	中層管理人員 (男)	<b>254,369</b>	212,629	
Middle-level management (female)	中層管理人員 (女)	<b>179,061</b>	165,865	
General and technical staff (male)	一般及技術員工 (男)	<b>87,095</b>	81,923	
General and technical staff (female)	一般及技術員工 (女)	<b>83,014</b>	82,567	

## Notes 附註:

- (1) Represents other costs but excludes depreciation, amortisation and charitable donations for the year.  
代表該年度的其他成本，但不包括該年度的折舊、攤銷及慈善捐款。
- (2) Represents current income tax but excludes deferred tax for the year.  
代表該年度所得稅，但不包括該年度的遞延稅項。
- (3) Due to rounding, 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。
- (4) The calculation of scope 1 emissions covers all the fugitive methane emissions from the waste water treatment projects under operation. The calculation of scope 2 emissions includes the consumption of purchased electricity. The calculation boundary of scope 2 emissions covers all waste water treatment projects, reusable water projects, river-basin ecological restoration projects, water supply projects, raw water protection projects, leachate treatment projects, and waste water source heat pump projects that are under construction and operation.  
範疇一的計算包括所有運營中的污水處理項目的無組織甲烷排放。範疇二的計算為購買電力消耗。範疇二的計算邊界包括所有在建與運營中的污水處理、中水回用、流域治理、供水、原水保護、滲濾液處理及污水源熱泵項目。
- (5) The calculation of GHG emissions from operating waste water treatment projects is referenced to CDM methodology *AM0080: Mitigation of Greenhouse Gases Emissions with Treatment of Wastewater in Aerobic Wastewater Treatment Plants (Version 1.0)*.  
運營污水處理項目的溫室氣體排放計算參照CDM方法《AM0080：透過在有氧污水處理廠處理污水減少溫室氣體排放（1.0版）》。
- (6) The calculation of scope 3 emissions includes fuel consumption for the transportation of sludge by third-parties and air travel by employees. GHG emissions from air travel are calculated by International Civil Aviation Organisation Carbon Emissions Calculator.  
範疇三的計算包括第三方運送污泥的燃料消耗和員工飛機差旅。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。
- (7) Energy consumption is calculated based on the reference coefficients as stated in *China Energy Statistical Yearbook 2018*.  
能源消耗量是根據《中國能源統計年鑒2018》的參考系數所計算。
- (8) As at 31 December 2019.  
截至二零一九年十二月三十一日。
- (9) 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。
- (10) Rate of work-related fatalities = (Total number of work-related fatalities/Total working hours) × 200,000  
因工死亡率 = (因工死亡個案總計/工作總時數) × 200,000
- (11) High-consequence work-related injuries refer to work-related injuries that result in a fatality or in an injury from which the worker cannot, does not, or is not expected to recover fully to pre-injury health status within 6 months.  
嚴重工傷是指導致死亡，或導致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。
- (12) 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
- (13) 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。
- (14) 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. The 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>			
<b>Does not include any disclosures 不包含任何揭露</b>			
<b>GRI 102: General Disclosure 一般揭露 2016</b>			
<b>Organizational Profile 組織概況</b>			
102-1	Name of the organization 組織名稱	About The Report 關於本報告	3-5
102-2	Activities, brands, products, and services 活動、品牌、產品與服務	About The Report 關於本報告	3-5
102-3	Location of headquarters 總部位置	About The Report 關於本報告	3-5
102-4	Location of operations 營運據點	Our Sustainable Business 我們的可持續業務	10
102-5	Ownership and legal form 所有權與法律形式	About The Report 關於本報告	3-5
102-6	Markets served 提供服務的市場	Our Sustainable Business 我們的可持續業務	11-13
102-7	Scale of the organization 組織規模	Our Sustainable Business 我們的可持續業務 Joining Hands with Our Team 與團隊攜手合作	11 61
102-8	Information on employees and other workers 員工與其他工作者的資訊	Joining Hands with Our Team 與團隊攜手合作	61-62
102-9	Supply chain 供應鏈	Sustainability Governance 可持續發展管治	26-28
102-10	Significant changes to the organization and its supply chain 組織與其供應鏈的重大改變	Message From CEO 總裁寄語 Sustainability Governance 可持續發展管治	6-9 26
102-11	Precautionary Principle or approach 預警原則或方針	Sustainability Governance 可持續發展管治	20-25
102-12	External initiatives 外部倡議	Message from CEO 總裁寄語	6-9
102-13	Membership of associations 公協會的會員資格	Community Engagement 社區參與	106-107
<b>Strategy 策略</b>			
102-14	Statement from senior decision-maker 決策者的聲明	Message from CEO 總裁寄語	6-9
102-15	Key impacts, risks, and opportunities 關鍵衝擊、風險及機會	Message from CEO 總裁寄語	6-9
102-16	Values, principles, standards, and norms of behavior 價值、原則、標準及行為規範	Sustainability Governance 可持續發展管治	20-25
102-17	Mechanisms for advice and concerns about ethics 關於倫理之建議與顧慮的機制	Sustainability Governance 可持續發展管治	20-25

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>Governance 治理</b>			
102-18	Governance structure 治理結構	Sustainability Governance 可持續發展管治	20-25
102-19	Delegating authority 委任權責	Sustainability Governance 可持續發展管治	20-25
102-20	Executive-level responsibility for economic, environmental, and social topics 管理階層負責經濟、環境和社會主題	Sustainability Governance 可持續發展管治	20-25
102-21	Consulting stakeholders on economic, environmental, and social topics 與利害關係人諮詢經濟、環境和社會主題	Stakeholder Engagement 持份者參與	31
102-22	Composition of the highest governance body and its committees 最高治理單位與其委員會的組成	Sustainability Governance 可持續發展管治	20-25
102-23	Chair of the highest governance body 最高治理單位的主席	Sustainability Governance 可持續發展管治	20-25
102-24	Nominating and selecting the highest governance body 最高治理單位的提名與遴選	Sustainability Governance 可持續發展管治	20-25
102-25	Conflicts of interest 利益衝突	Sustainability Governance 可持續發展管治	20-25
102-26	Role of highest governance body in setting purpose, values, and strategy 最高治理單位在設立宗旨、價值觀及策略的角色	Sustainability Governance 可持續發展管治 Annual Report 2019 – Corporate Governance Report 二零一九年度報告 – 公司治理報告	20-25 –
102-27	Collective knowledge of highest governance body 最高治理單位的群體知識	Annual Report 2019 – Corporate Governance Report 二零一九年度報告 – 公司治理報告	–
102-28	Evaluating the highest governance body's performance 最高治理單位的績效評估	Annual Report 2019 – Corporate Governance Report 二零一九年度報告 – 公司治理報告	–
102-29	Identifying and managing economic, environmental, and social impacts 鑑別與管理經濟、環境和社會衝擊	Sustainability Governance 可持續發展管治	20-25
102-30	Effectiveness of risk management processes 風險管理程序的有效性	Sustainability Governance 可持續發展管治	20-25
102-31	Review of economic, environmental, and social topics 經濟、環境和社會議題的評審	Sustainability Governance 可持續發展管治	20-25
102-32	Highest governance body's role in sustainability reporting 最高治理單位於永續性報導的角色	About The Report 關於本報告	3

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
102-33	Communicating critical concerns 溝通重要關鍵議題	Sustainability Governance 可持續發展管治	20-25
102-34	Nature and total number of critical concerns 關鍵議題的性質與總數	Annual Report 2019 – Corporate Governance Report – Risk Management and Internal Controls 二零一九年度報告 – 公司治理報告 – 風險管理及內部監控	–
102-35	Remuneration policies 薪酬政策	Annual Report 2019 – Corporate Governance Report – Remuneration Matters 二零一九年度報告 – 公司治理報告 – 薪酬事項 Sustainability Governance 可持續發展管治	– 20-25
102-36	Process for determining remuneration 薪酬決定的流程	Annual Report 2019 – Corporate Governance Report – Remuneration Matters 二零一九年度報告 – 公司治理報告 – 薪酬事項 Sustainability Governance 可持續發展管治	– 20-25
102-37	Stakeholders' involvement in remuneration 利害關係人的參與	Annual Report 2019 – Corporate Governance Report – Remuneration Matters 二零一九年度報告 – 公司治理報告 – 薪酬事項	–
102-38	Annual total compensation ratio 年度總薪酬比率	Key Statistics 主要數據	117
102-39	Percentage increase in annual total compensation ratio 年度總薪酬比率之增加百分比	Key Statistics 主要數據	117
<b>Stakeholder Engagement 利害關係人團體</b>			
102-40	List of stakeholder groups 利害關係人團體	Stakeholder Engagement 持份者參與	31
102-41	Collective bargaining agreements 團體協約	None of our employees are covered by collective bargaining agreements. 我們的員工並不包含在集體談判協定中。	–
102-42	Identifying and selecting stakeholders 鑑別與選擇利害關係人	Stakeholder Engagement 持份者參與	31
102-43	Approach to stakeholder engagement 與利害關係人溝通的方針	Stakeholder Engagement 持份者參與	32-34
102-44	Key topics and concerns raised 提出之關鍵主題與關注事項	Stakeholder Engagement 持份者參與 Reporting Practice 報導實務	37-38

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>Reporting Practice 報導實務</b>			
102-45	Entities included in the consolidated financial statements 合併財務報表中所包含的實體	Annual Report 2019 – Notes to the Financial Statements (P.141-287) <sup>(1)</sup> 二零一九年度報告 – 財務報表附註 (141-287頁) <sup>(1)</sup>	–
102-46	Defining report content and topic Boundaries 界定報告書內容與主題邊界	Stakeholder Engagement 持份者參與	37-38
102-47	List of material topics 重大主題表列	Stakeholder Engagement 持份者參與	37-38
102-48	Restatements of information 資訊重編	There is no restatement of information in the Report. 本報告不涉及重編舊告資料。	–
102-49	Changes in reporting 報導改變	Stakeholder Engagement 持份者參與	37-38
102-50	Reporting period 報導期間	About The Report 關於本報告	3-5
102-51	Date of most recent report 上一次報告書的日期	About The Report 關於本報告	3-5
102-52	Reporting cycle 報導週期	About The Report 關於本報告	3-5
102-53	Contact point for questions regarding the report 可回答報告書相關問題的聯絡人	About The Report 關於本報告	3-5
102-54	Claims of reporting in accordance with the GRI Standards 依循GRI準則報導的宣告	About The 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	119-126
102-56	External assurance 外部保證/確信	Verification Statement 審核聲明	108-109

Note :

<sup>(1)</sup> Annual Report 2019 can be accessed via the following link:  
<https://doc.irasia.com/listco/hk/cewater/annual/2019/ar2019.pdf>

附註 :

<sup>(1)</sup> 二零一九年度報告可於以下連結瀏覽：  
<https://doc.irasia.com/listco/hk/cewater/annual/2019/ar2019.pdf>

Topic-specific Disclosures

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>			
<b>103-1</b>	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Stakeholder Engagement 持份者參與	38
<b>103-2</b>	The management approach and its components 管理方針及其要素	Sustainability Governance 可持續發展管治	21-26
<b>103-3</b>	Evaluation of the management approach 管理方針的評估	Sustainability Governance 可持續發展管治	21-26
<b>GRI 201: Economic Performance 經濟績效 2016</b>			
<b>201-1</b>	Direct economic value generated and distributed 組織所產生及分配的直接經濟價值	Our Sustainable Business 我們的可持續業務	12
<b>201-2</b>	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	Outstanding Environmental Management 優質環境管理	53
<b>201-3</b>	Defined benefit plan obligations and other retirement plans 定義福利計劃義務与其它退休計畫	Joining Hands with Our Team 與團隊攜手合作	72-73
<b>201-4</b>	Financial assistance received from government 自政府取得之財務補助	Our Sustainable Business 我們的可持續業務	12
<b>Anti-corruption 反貪腐</b>			
<b>GRI 103: Management Approach 管理方針 2016</b>			
<b>103-1</b>	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Stakeholder Engagement 持份者參與	38
<b>103-2</b>	The management approach and its components 管理方針及其要素	Sustainability Governance 可持續發展管治	25
<b>103-3</b>	Evaluation of the management approach 管理方針的評估	Sustainability Governance 可持續發展管治	25
<b>GRI 205: Anti-corruption 反貪腐 2016</b>			
<b>205-1</b>	Operations assessed for risks related to corruption 已進行貪腐風險評估的營運據點	Sustainability Governance 可持續發展管治	25-26
<b>205-2</b>	Communication and training about anti-corruption policies and procedures 有關反貪腐政策和程序的溝通及訓練	Sustainability Governance 可持續發展管治	25-26
<b>205-3</b>	Confirmed incidents of corruption and actions taken 已確認的貪腐事件及採取的行動	Sustainability Governance 可持續發展管治	25-26

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 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	Stakeholder Engagement 持份者參與	38
103-2	The management approach and its components 管理方針及其要素	Outstanding Environmental Management 優質環境管理	55
103-3	Evaluation of the management approach 管理方針的評估	Outstanding Environmental Management 優質環境管理	55
<b>GRI 301: Materials 物料 2016</b>			
301-1	Materials used by weight or volume 所用物料的重量或體積	Outstanding Environmental Management 優質環境管理	55-57
301-2	Recycled input materials used 使用的可再生物料	Outstanding Environmental Management 優質環境管理	55-57
301-3	Reclaimed products and their packaging materials 回收產品及其包材	Outstanding Environmental Management 優質環境管理	55-57
<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	Stakeholder Engagement 持份者參與	38
103-2	The management approach and its components 管理方針及其要素	Outstanding Environmental Management 優質環境管理	41-43
103-3	Evaluation of the management approach 管理方針的評估	Outstanding Environmental Management 優質環境管理	41-43
<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水量	Outstanding Environmental Management 優質環境管理	46,59
306-2	Waste by type and disposal method 按類別及處置方法劃分的廢棄物	Outstanding Environmental Management 優質環境管理	50-51
306-3	Significant spills 嚴重洩漏	The Group has no spilling accidents in 2019. 本集團於二零一九年並沒有發生洩漏事件。	–
306-4	Transport of hazardous waste 廢棄物運輸	Outstanding Environmental Management 優質環境管理	50-51
306-5	Water bodies affected by water discharges and/or runoff 受放流水及其他(地表)逕流排放而影響的水體	No water bodies are seriously/significantly affected by the Group's waste water discharge in 2019. 本集團於二零一九年的污水排放並沒有嚴重影響任何水體。	–

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>Environmental Compliance 有關環境保護的法規遵循</b>			
<b>GRI 103:</b>	<b>Management Approach 管理方針 2016</b>		
<b>103-1</b>	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Stakeholder Engagement 持份者參與	38
<b>103-2</b>	The management approach and its components 管理方針及其要素	Outstanding Environmental Management 優質環境管理	41-43
<b>103-3</b>	Evaluation of the management approach 管理方針的評估	Outstanding Environmental Management 優質環境管理	41-43
<b>GRI 307:</b>	<b>Environmental Compliance 有關環境保護的法規遵循 2016</b>		
<b>307-1</b>	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 Impacts on Everbright Water 附錄III – 對光大水務有重大影響的相關法律及規例的遵守情況	131
<b>Occupational Health and Safety 職業安全衛生</b>			
<b>GRI 103:</b>	<b>Management Approach 管理方針 2016</b>		
<b>103-1</b>	Explanation of the material topic and its Boundary 解釋重大主題及其邊界	Stakeholder Engagement 持份者參與	38
<b>103-2</b>	The management approach and its components 管理方針及其要素	Joining Hands with Our Team 與團隊攜手合作	75-78
<b>103-3</b>	Evaluation of the management approach 管理方針的評估	Joining Hands with Our Team 與團隊攜手合作	75-78
<b>GRI 403:</b>	<b>Occupational Health and Safety 職業安全衛生 2018</b>		
<b>403-1</b>	Occupational health and safety management system 職業安全衛生管理系統	Joining Hands with Our Team 與團隊攜手合作	75-76
<b>403-2</b>	Hazard identification, risk assessment, and incident investigation 危害辨識、風險評估及事故調查	Joining Hands with Our Team 與團隊攜手合作	75-78
<b>403-3</b>	Occupational health services 職業健康服務	Joining Hands with Our Team 與團隊攜手合作	77
<b>403-4</b>	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	Joining Hands with Our Team 與團隊攜手合作	76-78
<b>403-5</b>	Worker training on occupational health and safety 有關職業安全衛生之工作者訓練	Joining Hands with Our Team 與團隊攜手合作	76-78
<b>403-6</b>	Promotion of worker health 工作者健康促進	Joining Hands with Our Team 與團隊攜手合作	76-78
<b>403-7</b>	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	Joining Hands with Our Team 與團隊攜手合作	76-78
<b>403-8</b>	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	Joining Hands with Our Team 與團隊攜手合作	75-76
<b>403-9</b>	Work-related injuries 職業傷害	Joining Hands with Our Team 與團隊攜手合作	80-81
<b>403-10</b>	Work-related ill health 職業病	Joining Hands with Our Team 與團隊攜手合作	80-81

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>Child Labor 童工</b>			
<b>GRI 103:</b>	<b>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	Stakeholder Engagement 持份者參與	38
103-2	The management approach and its components 管理方針及其要素	Joining Hands with Our Team 與團隊攜手合作	71
103-3	Evaluation of the management approach 管理方針的評估	Joining Hands with Our Team 與團隊攜手合作	71
<b>GRI 408:</b>	<b>Child Labor 童工 2016</b>		
408-1	Operations and suppliers at significant risk for incidents of child labor 營運據點和供應商使用童工之重大風險	Joining Hands with Our Team 與團隊攜手合作	71
<b>Forced or Compulsory Labor 強迫或強制勞動</b>			
<b>GRI 103:</b>	<b>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	Stakeholder Engagement 持份者參與	38
103-2	The management approach and its components 管理方針及其要素	Joining Hands with Our Team 與團隊攜手合作	72
103-3	Evaluation of the management approach 管理方針的評估	Joining Hands with Our Team 與團隊攜手合作	72
<b>GRI 409:</b>	<b>Forced or Compulsory Labor 強迫或強制勞動 2016</b>		
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor 具強迫或強制勞動事件重大風險的營運據點和供應商	Joining Hands with Our Team 與團隊攜手合作	72
<b>Rights of Indigenous Peoples 原住民權利</b>			
<b>GRI 103:</b>	<b>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	Stakeholder Engagement 持份者參與	38
103-2	The management approach and its components 管理方針及其要素	Joining Hands with Our Team 與團隊攜手合作	63
103-3	Evaluation of the management approach 管理方針的評估	Joining Hands with Our Team 與團隊攜手合作	63
<b>GRI 411:</b>	<b>Rights of Indigenous Peoples 原住民權利 2016</b>		
411-1	Incidents of violations involving rights of indigenous peoples 涉及侵害原住民權利的事件	The Group has no incidents of violations involving rights of indigenous people in 2019. 本集團於二零一九年沒有侵害原住民權利的事件。	–



ESG Aspects ESG層面	Requirements 指引要求	Relevant Chapter(s) and/or Explanation 報告章節／聲明
<b>A1: Emissions A1 : 排放物</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 air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste. 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： (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。	Outstanding Environmental Management 優質環境管理 Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water 對光大水務有重大影響的相關法律及規例的遵守情況
<b>A1.1</b>	The types of emissions and respective emissions data. 排放物種類及相關排放數據。	The Group's operations do not generate significant emissions. 本集團的運營不涉及顯著的氣體排放。
<b>A1.2</b>	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）。	Outstanding Environmental Management 優質環境管理 Key Statistics 主要數據
<b>A1.3</b>	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）。	The Group's operations do not generate significant amount of hazardous waste. 本集團的運營不會產生顯著數量的有害廢棄物。
<b>A1.4</b>	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）。	Outstanding Environmental Management 優質環境管理 Key Statistics 主要數據
<b>A1.5</b>	Description of measures to mitigate emissions and results achieved. 描述減低排放量的措施及所得成果。	Outstanding Environmental Management 優質環境管理
<b>A1.6</b>	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。	Outstanding Environmental Management 優質環境管理 The Group's operations do not generate significant amount of hazardous waste. 本集團的運營不會產生顯著數量的有害廢棄物。
<b>A2: Use of Resources 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 material. 有效使用資源（包括能源、水及其他原材料）的政策。	Outstanding Environmental Management 優質環境管理
<b>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）。	Outstanding Environmental Management 優質環境管理 Key Statistics 主要數據
<b>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）。	Outstanding Environmental Management 優質環境管理 Key Statistics 主要數據
<b>A2.3</b>	Description of energy use efficiency initiatives and results achieved. 描述能源使用效益計劃及所得成果。	Outstanding Environmental Management 優質環境管理
<b>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。	Outstanding Environmental Management 優質環境管理 Regarding water sourcing, all of the Group's projects have obtained the respective environmental impact assessment approvals and water-drawing permits. There are no associated issues in sourcing water that is fit for purpose. 在取水方面，本集團的所有項目均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>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。	The Group's main product is treated waste water, which does not involve packaging material usage. 本集團的主要產品為已處理的污水，並不涉及使用包裝物料。
<b>A3: The Environment and Natural Resources 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。	Outstanding Environmental Management 優質環境管理
<b>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。	Outstanding Environmental Management 優質環境管理

ESG Aspects ESG層面	Requirements 指引要求	Relevant Chapter(s) and/or Explanation 報告章節/聲明
<b>B1: Employment 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。	Joining Hands with Our Team 與團隊攜手合作 Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water 對光大水務有重大影響的相關法律及規例的遵守情況
<b>B1.1</b>	Total workforce 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。	Joining Hands with Our Team 與團隊攜手合作 Key Statistics 主要數據
<b>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。	Joining Hands with Our Team 與團隊攜手合作 Key Statistics 主要數據
<b>B2: Health and Safety B2 : 健康與安全</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 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。	Joining Hands with Our Team 與團隊攜手合作 Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water 對光大水務有重大影響的相關法律及規例的遵守情況
<b>B2.1</b>	Number and rate of work-related fatalities. 因工作關係而死亡的人數及比率。	Joining Hands with Our Team 與團隊攜手合作 Key Statistics 主要數據
<b>B2.2</b>	Lost days due to work injury. 因工傷損失工作日數。	Joining Hands with Our Team 與團隊攜手合作 Key Statistics 主要數據
<b>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。	Joining Hands with Our Team 與團隊攜手合作
<b>B3: Development and Training B3 : 發展及培訓</b>		
<b>General Disclosure 一般披露</b>	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。	Joining Hands with Our Team 與團隊攜手合作
<b>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。	Joining Hands with Our Team 與團隊攜手合作
<b>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。	Joining Hands with Our Team 與團隊攜手合作 Key Statistics 主要數據
<b>B4: Labour Standards B4 : 勞工準則</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 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。	Joining Hands with Our Team 與團隊攜手合作 Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water 對光大水務有重大影響的相關法律及規例的遵守情況
<b>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 the 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>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 and such violation (if any) will be 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。

ESG Aspects ESG層面	Requirements 指引要求	Relevant Chapter(s) and/or Explanation 報告章節／聲明
<b>B5: Supply Chain Management 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。	Sustainability Governance 可持續發展管治 Joining Hands with Our Team 與團隊攜手合作
<b>B5.1</b>	Number of suppliers by geographical region. 按地區劃分的供應商數目。	Sustainability Governance 可持續發展管治
<b>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。	Sustainability Governance 可持續發展管治 Joining Hands with Our Team 與團隊攜手合作
<b>B6: Product Responsibility 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。	Sustainability Governance 可持續發展管治 Outstanding Environmental Management 優質環境管理 Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water 對光大水務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, 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，本集團並無相關專門政策。 There is no law or regulation that has a significant impact on the Group regarding advertising, labelling and privacy matters relating to products and services provided by the Group. 本集團並無有關所提供產品和服務的廣告、標籤及私隱事宜的相關法律或規例對其構成重大影響。
<b>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百分比。	The Group did not have any products recalled for safety and health reasons in 2019. 本集團於二零一九沒有因安全與健康理由而須回收產品。
<b>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。	The Group did not receive complaints relating to products and service in 2019. 本集團於二零一九沒有接獲關於產品及服務的投訴。
<b>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。	Sustainability Governance 可持續發展管治
<b>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。	Outstanding Environmental Management 優質環境管理 Due to the specific nature of the Group's water environment management business, recall procedures are not applicable to its products and services provided. 本集團業務性質為水環境綜合治理，當中並沒有適用的產品及服務回收程序。
<b>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。	Sustainability Governance 可持續發展管治
<b>B7: Anti-corruption 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。	Joining Hands with Our Team 與團隊攜手合作 Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water 對光大水務有重大影響的相關法律及規例的遵守情況
<b>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。	Joining Hands with Our Team 與團隊攜手合作
<b>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。	Sustainability Governance 可持續發展管治

ESG Aspects ESG層面	Requirements 指引要求	Relevant Chapter(s) and/or Explanation 報告章節／聲明
<b>B8: Community Investment B8：社區投資</b>		
<b>General Disclosure</b> 一般披露	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into 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。	Community Engagement 社區參與
<b>B8.1</b>	Focus areas 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）。	Community Engagement 社區參與
<b>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）。	Community Engagement 社區參與

**SEHK ESG Reporting Guide****Subject Area**

聯交所《環境·社會  
及管治報告指引》範疇

**Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water**

對光大水務有重大影響的相關法律及規例的遵守情況

**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 conservation, 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 include the *Environmental Protection Law of the PRC*, *Law of the PRC on Environmental Impact Assessment*, *Water Pollution Prevention and Control Law of the PRC*, *Marine Environment Protection Law of the PRC*, *Law of the PRC on the Prevention and Control of Environmental Pollution by Solid Waste*, *Law of the PRC on Prevention and Control of Environmental Noise Pollution* and *Atmospheric Pollution Prevention and Control Law of the PRC*. 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. The Group shall comply with all the above laws and regulations, otherwise it may be subject to penalties, suspension of operation, and/or legal actions 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《中國環境保護法》、《中國環境影響評價法》、《中國水污染防治法》、《中國海洋環境保護法》、《中國固體廢物污染環境防治法》、《中國環境噪聲污染防治法》及《中國大氣污染防治法》。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。本集團必須遵循以上相關的環境法律法規，否則監管機構有權對本集團作出罰款、勒令停運及／或採取法律行動。

In 2019, 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 the chapter entitled “Outstanding Environmental Management” of the Report on how Everbright Water ensures compliance with the applicable environmental laws and regulations.

二零一九年並無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。如欲了解更多光大水務遵守相關環境法律法規的情況，請參閱本報告的「優質環境管理」一章。

**SEHK ESG Reporting Guide****Subject Area**

聯交所《環境、社會  
及管治報告指引》範疇

**Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water**

對光大水務有重大影響的相關法律及規例的遵守情況

**Aspect B1: Employment****層面B1：僱傭**

The *Labour Law of the PRC*, *Labour Contract Law of the PRC*, the *Employment Ordinance of Hong Kong* and the *Employment Act of Singapore* stipulate the legal obligations and responsibilities 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 PRC* 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 of the PRC* is formulated for the purpose of maintaining the lawful rights and interests of housing provident fund owners. These laws and regulations provide relevant protection for the Group's employees and safeguard their lawful rights. The Group will continue to comply with all relevant employment laws and regulations to protect the Group's most valuable asset – employees.

《中國勞動法》、《中國勞動合同法》、《香港僱傭條例》及《新加坡僱傭法》提供了全面的僱傭保障和福利，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。《中國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。以上法律法規為本集團的員工提供相關保障，保護員工的合法權利。本集團將繼續遵守所有相關的僱傭法律法規，保障本集團最寶貴的財富－員工。

In 2019, there was no confirmed case of non-compliance in relation to the Group's employment practices that would have a significant impact on the Group. Please refer to the chapter entitled "Joining Hands with Our Team" of the Report on how Everbright Water ensures compliance with the applicable employment laws and regulations.

二零一九年並無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。如欲了解更多光大水務遵守相關僱傭法律法規的情況，請參閱本報告的「與團隊攜手合作」一章。

**SEHK ESG Reporting Guide****Subject Area**

聯交所《環境·社會  
及管治報告指引》範疇

**Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water**

對光大水務有重大影響的相關法律及規例的遵守情況

**B2: Health and Safety**

層面B2：健康與安全

The *Labour Law of the PRC*, and *Work Safety Law of the PRC* 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 PRC* 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 employers. 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 the relevant health and safety laws to provide employees with a safe workplace and suitable insurance.

《中國勞動法》及《中國安全生產法》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位員工都十分重要。為員工提供安全工作環境及合適保險是光大水務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 2019, 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 the chapter entitled “Joining Hands with Our Team” of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to health and safety.

二零一九年並無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。如欲了解更多光大水務遵守相關健康與安全法律法規的情況，請參閱本報告的「與團隊攜手合作」一章。

**SEHK ESG Reporting Guide****Subject Area**

聯交所《環境、社會  
及管治報告指引》範疇

**Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water**

對光大水務有重大影響的相關法律及規例的遵守情況

**B4: Labour Standards**

層面B4：勞工準則

The *Labour Law of the PRC*, the *Employment Ordinance of Hong Kong* and the *Employment Act of Singapore* 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 Water highly values human rights and aims to demonstrate its “People-Oriented” corporate spirit through strictly complying with the relevant labour standards.

《中國勞動法》、《香港僱傭條例》及《新加坡僱傭法》對防止童工和強制勞工列有明確規定，並詳細地闡述了違反相關法律及法規的僱主的法律責任。光大水務高度重視人權，透過遵守相關勞工準則，充分反映其「以人為本」的企業精神。

In 2019, 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 the chapter entitled “Joining Hands with Our Team” of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to labour standards.

二零一九年並無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。如欲了解更多光大水務遵守相關勞工法律法規的情況，請參閱本報告的「與團隊攜手合作」一章。



**SEHK ESG Reporting Guide****Subject Area**

聯交所《環境·社會  
及管治報告指引》範疇

**Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water**

對光大水務有重大影響的相關法律及規例的遵守情況

**B6: Product****Responsibility**

層面B6：產品責任

The *Law of the PRC on Product Quality* is formulated with the aim of strengthening product quality monitoring, improving product quality, specifying product quality responsibility, safeguarding legal rights of customers, as well as protecting social and economic order. These laws and regulations provide clear requirements on health and safety matters and remedial methods relating to products and services provided. The Group complies with the relevant laws and regulations in relation to product responsibility to ensure customers receive safe and reliable services.

《中國產品質量法》的制定旨在加強對產品質量的監督管理，提高產品質量水準，明確產品質量責任，保護消費者的合法權益，維護社會經濟秩序。該等法律對產品和服務的健康與安全事宜以及救濟方式提供了明確的要求。本集團遵循相關的產品責任法律法規以確保顧客獲得安全及可靠的服務。

In 2019, 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 the chapter entitled “Outstanding Environmental Management” of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to product responsibility.

二零一九年並無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。如欲了解更多光大水務遵守相關產品責任法律法規的情況，請參閱本報告的「優質環境管理」一章。

**SEHK ESG Reporting Guide****Subject Area**

聯交所《環境、社會  
及管治報告指引》範疇

**Compliance with Relevant Laws and Regulations That Have a Significant Impact on Everbright Water**

對光大水務有重大影響的相關法律及規例的遵守情況

**B7: Anti-corruption**

層面B7：反貪污

The *Anti-Unfair Competition Law of the PRC*, the *Prevention of Bribery Ordinance of Hong Kong* and the *Anti-Corruption Regulation of Singapore* 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 the business development. Therefore, the Group strictly complies with the relevant anti-corruption laws and regulations to maintain a good reputation and enhance its competitiveness.

《中國反不正當競爭法》、《香港防止賄賂條例》及《新加坡防止賄賂條例》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。本集團深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公司競爭力。

In 2019, 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 the chapter entitled “Joining Hands with Our Team” of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to anti-corruption practices.

二零一九年並無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。如欲了解更多光大水務遵守相關反貪污法律法規的情況，請參閱本報告的「與團隊攜手合作」一章。

# 2019

## Sustainability Report 可持續發展報告

CHINA EVERBRIGHT WATER LIMITED  
中國光大水務有限公司



[www.ebwater.com](http://www.ebwater.com)



*This report is printed on environmentally friendly paper*  
本報告以環保紙張印製