



光大水務
Everbright Water

CHINA EVERBRIGHT WATER LIMITED

中國光大水務有限公司

(Incorporated in Bermuda with limited liability)

(於百慕達註冊成立之有限公司)

(STOCK CODES 股份代號: U9E.SG & 1857.HK)



2020

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
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Non-Executive Director and Chairman
非執行董事兼董事長

The year 2020 marks an exceptional year with the COVID-19 (defined hereafter) outbreak. As the final year of the “13th Five-Year Plan”, it was also a critical year to learn from the past and prepare for the future. In 2020, Everbright Water (defined hereafter) continued forging ahead in development, overcame various external challenges, and achieved steady operating results. It also continued exploring and developing a sustainable development path that focuses on governance, society and environment.

Looking into 2021, the global trends remain complicated while the domestic environment in China is improving. The water environment management has been elevated to an unprecedented strategic level as an important mission of China’s ecological conservation and pollution prevention and control. “High-quality development” will become a key focus of the water environment management industry and the relevant enterprises during the “14th Five-Year Plan” period. Everbright Water will adhere to its corporate mission of being “Devoted to Ecology and Environment for a Beautiful China”, grasp opportunities presented by the national strategies and policies, carry out in-depth analysis of industry opportunities, and fully enhance its operation and management efficiencies to steadily achieve high-quality growth. It will also strive to create favourable returns for its shareholders through sustainable business development and contribute to the development of the water environment management industry.

二零二零年因新冠疫情（定義見後文）而成為極不尋常的一年，因「十三五」規劃圓滿收官而成為承前啟後的關鍵之年。在這一年中，光大水務（定義見後文）堅定前行、砥礪奮進，平穩走過重重挑戰，取得了穩健的經營業績，圍繞管治、社會和環境持續探索和構建可持續的發展路徑。

展望二零二一年，國際形勢錯綜複雜，國內環境穩中向好。水環境綜合治理作為國家生態文明建設及污染防控的重要任務，已被提升至前所未有的歷史戰略高度。「高質量發展」料將成為水環境綜合治理行業及從業企業在「十四五」規劃期間的關鍵詞。光大水務將秉承「情系生態環境，築夢美麗中國」的企業使命，緊緊把握國家戰略政策機遇，深度研判行業趨勢，全面提升經營管理效益，穩步推動高品質發展，以可持續的業務發展為股東創造良好回報，為水環境綜合治理事業貢獻力量。

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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**”) and the Main Board of The Stock Exchange of Hong Kong Limited (the “**SEHK**”) (stock codes: U9E.SG & 1857.HK) with its direct controlling shareholder being China Everbright Environment Group Limited (formerly known as China Everbright International Limited) (stock code: 257.HK, “**Everbright Environment**”).

As a leading enterprise in China’s water industry, Everbright Water strives to provide water environment management services, 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. Meanwhile, the Company has developed a holistic water resources management strategy focusing on project investment, planning and design, technology research and development (“**R&D**”), engineering and construction, operations management, etc. The Company aims to achieve a good balance between water supply and demand.

The Sustainability Report 2020 (the “**Report**”) covers the Group’s main sustainability initiatives and performance during the period from 1 January 2020 to 31 December 2020 (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 the SEHK, as well as the Listing Manual of SGX (Rules 711A, 711B and Practice Note 7.6 *Sustainability Reporting Guide*). The *Global Reporting Initiative Standards* (the “**GRI Standards**”) is a globally recognised and widely applied sustainability reporting standard, which provides a standardised framework for corporates to disclose ESG information. This Report has been prepared in accordance with the GRI Standards: Comprehensive option. 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 align with its core value of being “Devoted to Ecology and Environment for a Beautiful China”, as well as to demonstrate 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**」，連同其附屬公司統稱「**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環境（集團）有限公司（原中國光大國際有限公司）（股份代號：257.HK，「**光大環境**」）。

光大水務作為中國水務市場中的領先企業，致力提供全方位的水環境綜合治理服務，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、污泥處理處置等業務，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，以全面水資源管理策略，達致水供應和需求間的理想平衡。

二零二零年可持續發展報告（「**本報告**」）涵蓋了本集團於二零二零年一月一日至二零二零年十二月三十一日（「**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。《全球報告倡議組織標準》（「**GRI準則**」）是全球廣泛應用的可持續發展報告標準，為企業披露環境、社會及管治資訊提供了規範的框架。本報告依循GRI準則：全面選項，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，以呼應本集團「情繫生態環境，築夢美麗中國」的核心價值，並展示其應對全球最迫切議題的決心。

4 About The Report

關於本報告

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⁽¹⁾ and operating projects that are under the Group's operational control during the Reporting Period^{(2),(3)}. The details of the Group's relevant entities can be found in Notes to the Financial Statements as included in the Company's annual report for the year under review (the "Annual Report 2020"). The data collection and analysis of the Report were carried out based on the relevant international, national and local guidelines or standards, 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 2020⁽⁴⁾.

The Group commissioned Hong Kong Quality Assurance Agency as the third-party verification institution to conduct an independent audit and verification on the content and data of the Report, and the corresponding verification statement is appended to the Report. The board of directors of Everbright Water (the "Board", and each member, 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 strategy formulation, determined the significant material ESG topics and overseen the management and monitoring of those topics.

The Report is available in both Chinese and English languages and has been uploaded onto the SGXNet (www.sgx.com), the websites of Hong Kong Exchanges and Clearing Limited (www.hkexnews.hk) and Everbright Water (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 2020, the Annual Report 2020 shall prevail.

The Group welcomes all stakeholders and the public to provide valuable comments and suggestions to 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⁽¹⁾與運營項目的可持續發展表現^{(2),(3)}。本集團的相關實體資料可參閱本公司關於回顧年度的年度報告（「二零二零年度報告」）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、國家和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」）排放及抵銷。除了整數數據及二零二零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⁽⁴⁾。

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SGXNet (www.sgx.com)、香港交易及結算所有限公司網站(www.hkexnews.hk)及光大水務網站(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；若本報告和二零二零年度報告有任何抵觸或不相符之處，應以二零二零年度報告為準。

歡迎各持份者及公眾電郵至 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) 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, is owned by contractors and/or subcontractors, and as such the Group does not have the relevant data.
- (2) Unless otherwise specified, data of contractors and/or subcontractors is not disclosed in the Report.
- (3) Since the assets related to Qingdao Waste Water Treatment Project (Haibohe Plant) and the three projects undertaken by Everbright Water under engineering, procurement and construction (“EPC”) model (namely, Weihai Wendeng Chemical Industrial Park Waste Water Treatment Plant and Auxiliary Pipeline Network Project, Zhongxiang Shuanghe Jiangbei Chemical Industrial Park Waste Water Treatment Project, and Feng County Reusable Water Plant and Pipeline Network Project) are owned by its customers, Everbright Water has no right of 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.
- (4) The numbers stated in various tables of the Report may not add up to totals or 100% due to rounding.

附註：

- (1) 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，本集團並沒有相關數據。
- (2) 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。
- (3) 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」）模式承接的三個項目（威海文登化工產業園污水處理廠及配套管網項目、鍾祥雙河江北工業園污水處理項目、豐縣中水處理廠及配水管網項目）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。
- (4) 本報告所載各類表格中包含的數字，由於四捨五入關係，數值加起來可能不等於總數或100%。

2020 was an exceptional year. Following the increasingly tightened environmental protection regulations, the escalated demands for ecological protection and the spreading of the novel coronavirus (“COVID-19”) over the world, the Group embraced the challenges and sought development opportunities, navigating through the dynamic domestic and international markets and steadily enhancing the development of the Group’s business.

During the year under review, the Group continuously promoted, optimised and pursued its water environment management business. It also formed a full industry chain on the water business, further solidifying its leading position in the water industry. Furthermore, amidst the pandemic, the Group actively took various measures to ensure the safe and stable operations of its water projects, effectively preventing the secondary transmission of the virus through intermediaries such as waste water.

During the Reporting Period, Everbright Water adhered to the concept of sustainable development and took positive actions by focusing on the following agenda:

Pursuing Ecological Conservation

Adhering to the corporate mission of being “Devoted to Ecology and Environment for a Beautiful China” and its development philosophy of “Quality First”, the Group constantly develops in every area throughout the full water industry chain, 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., and is committed to developing benchmarks for environmental water projects and contributing to the country’s ecological conservation progress. In order to tackle the problem of environmental pollution, the Group has significantly minimised the impact of waste water discharge through its water environment management services. As at the end of the Reporting Period, the Group had invested in and held 138 environmental protection projects, and undertook 3 EPC projects and 2 operation and management (“O&M”) projects, with a total designed daily water treatment capacity of 6,518,200 m³. The projects cover various provinces, municipalities and autonomous regions over China, greatly promoting the progress of local water ecological conservation and development of local sustainable communities.

零二零年是極不尋常的一年。回顧過去一年，光大水務面臨著多重的困難和挑戰：環保監管措施的漸趨收緊，生態保護需求的不斷升級，蔓延全球的新型冠狀病毒引發的疫情（「**新冠疫情**」）。本集團直面挑戰、危中求機，在瞬息萬變的國內外市場中牢牢把握方向，推動本集團業務穩步向前。

於回顧年度內，本集團持續全面推進並優化其水環境治理業務，積極實踐水環境綜合治理的概念，打造全產業鏈覆蓋的業務體系，不斷鞏固其綜合性水務公司的領先地位。疫情之下，本集團亦積極採取多方面應對措施，保證了旗下各水務項目的安全平穩運營，有效阻斷了病毒通過污水等媒介二次傳播。

報告期內，光大水務堅持貫徹可持續發展的理念，圍繞下列範疇採取積極舉措：

建設生態文明

本集團秉承「情繫生態環境，築夢美麗中國」的企業使命與「質量第一」的發展理念，在原文保護、供水、市政污水處理、工業廢水處理、中水回用、流域治理、污泥處理處置等水務全產業鏈各個領域持續深耕，致力於打造環保水務標竿項目，為國家生態文明建設作出貢獻。為應對環境污染，本集團憑藉水環境綜合治理服務大幅降低污水排放的環境影響。截至報告期末，本集團投資並持有138個環保項目，同時承接3個EPC項目及2個委託運營（「**委託運營**」）項目，設計日水處理總規模為6,518,200立方米。該等項目覆蓋中國多個省市自治區，極大促進當地水生態文明和可持續社區建設。

In addition, the Group actively responds to climate change through river-basin ecological restoration projects to build a more stable ecological environment which improves the cities' resilience against water environment pollution. Besides, the Group incorporates the issue of climate change into its risk management system and continuously improves the natural disaster emergency management system to promote sustainable urban development.

Fighting Against the COVID-19 Pandemic

During the Reporting Period, in response to the COVID-19 pandemic, the Group adhered to the "People-Oriented" philosophy and put the safety of its employees in the first place. It actively took a series of measures to fight against the pandemic, such as conducting regular disinfection and standardising personnel management in every project. The Group also adopted measures, such as remote tender opening and evaluation, video conference and online training, to minimise the risk of infection.

In addition, considering the importance of proper treatment of municipal waste water, in particular municipal waste water from the medical districts and quarantine sites to prevent the spreading of virus, the Group immediately responded to the government initiatives and shouldered its social responsibility by actively cooperating with local governments and timely receiving and treating municipal waste water from the medical districts and quarantine sites and sludge from the quarantine sites. The Group overcame all difficulties, such as the shortage of supplies and personnel during the pandemic, and ensured the smooth operation of all projects by strengthening effluent monitoring, increasing the frequency of treated water monitoring, intensifying treated water disinfection and other measures. All these measures have effectively prevented secondary transmission of virus through intermediaries such as waste water, thereby providing strong support for various regions to curb the pandemic.

Paying Attention to Talent Development

The Group highly values its employees as the key resources and firmly adheres to the "People-Oriented" management philosophy. The Group cultivates high-quality talents to meet its business needs, customises management to meet the employees' individual needs, thrives to unleash the potential of each employee and improves enthusiasm, initiative and creativity of the team. In addition, the Group has further improved the human resources management system covering recruitment, full-blown training, remuneration, comprehensive appraisal, rewards and disciplines, promotion, etc., thereby enhancing talent development. During the Reporting Period, the Group effectively promoted personnel training through a series of innovative methods such as online training and assessment.

此外，本集團亦積極應對全球氣候變化，通過流域治理項目構建更穩固的生態環境從而提升城市水污染抵禦能力，並將氣候變化議題納入風險管理體系之中，持續完善自然災害應急管理體系，促進城市可持續發展。

應對新冠疫情

於報告期內，本集團秉持「以人為本」的原則積極應對新冠疫情，將員工生命安全置於首位，在旗下各項目及子公司採取定期消毒、規範人員管理等一系列措施積極抗疫，並採用遠程開標評標、視頻會議、線上培訓等方式，將感染風險降至最低。

此外，考慮到妥善處理生活污水尤其是醫療區及隔離區生活廢水對於防止疫情擴散的重要性，本集團即時響應國家號召，承擔社會責任，與各地方政府積極合作，及時接收處理醫療區及隔離區生活廢水及隔離區污泥，克服疫情下物資短缺、人員不足等難題。本集團更通過強化設備測控、增加出水檢測頻次、加大出水消毒力度等應對措施，確保各項目正常運營，有效阻斷了病毒通過污水等媒介二次傳播，為各地區防疫抗疫提供強有力支持。

注重人才發展

本集團始終將人才視為團隊核心財富，堅持「以人為本」的管理理念，將高素質人才培養工作與業務發展需求相結合，同時兼顧員工個性化需求，致力於激發個人潛能，提高團隊積極性、主動性和創造性。本集團通過完善招聘、全面培訓、薪酬、綜合考核機制、獎懲、優先晉升高績效人才等系統化制度，進一步加強人才隊伍建設。報告期內，本集團通過線上培訓及考核等一系列創新性方式，切實促進人才培養。

Fostering Technology R&D

The Group adheres to the “Innovation-Driven Development” ethos and is committed to developing new markets beyond the existing boundaries of the water industry through innovation of technology. During the Reporting Period, the Group continued the R&D and acquisition of waste water and sludge treatment technologies, improving its treatment efficiency and water environment management capability, thus expanding the “full industry chain” service capacity from the early-stage project planning and design to the final-stage operation and management. Furthermore, in order to enhance the digitalisation and management efficiency, the Group implemented the “Intelligent Water” information management system, and continuously promoted the R&D and application of intelligent optimisation control system for the waste water treatment process, exploring on the intelligent and accurate control of the operations of waste water treatment plants, and laying a solid foundation for the enhancement of the Group’s ability in technology R&D.

Promoting Environmental Protection Education

In order to strengthen the public awareness of environmental protection in the water sector and the soft power of community sustainable development, the Group actively responded to the government initiatives and continued opening up its waste water treatment facilities and plant areas to the public, enhancing its role as an environmental protection publicity base which integrates public visits, practice and training. As of 31 December 2020, the Group opened up its 27 projects to the public. During the year under review, the Group launched the new “Cloud Open Day”, which was an online platform for virtual tours of its environmental protection facilities, and particularly benefited the elderly and disabled people to learn about the facilities at home. The activities successfully attracted a large number of people to join the virtual tours and interact via online messages. During the Reporting Period, the Group conducted a series of online and offline activities with themes relating to 2020 Water Week of China, World Water Day, World Environment Day and World Earth Day, encouraging the public to cherish and conserve water and gain environmental protection knowledge. In addition, many of the Group’s waste water treatment plants were rewarded the honorary titles of “Ecological Civilisation Education Base” and “Science Popularisation Education Base” at provincial and municipal levels.

促進技術研發

本集團致力於通過科技創新，突破現時水務市場的框架，開拓新市場，體現「創新引領發展」的工作理念。報告期內，本集團繼續開發和引進先進的污水及污泥處理技術，不斷提升處理效能及水環境治理水平，拓展從前期項目設計到最終項目運營管理的「全鏈條」服務能力。此外，為實現業務運營信息化和提升管理效率，本集團深入落實「智慧水務」信息管理體系，持續推進污水處理過程智能優化控制系統研發及應用課題，嘗試對污水處理廠運行狀況進行智能精確控制，為增強本集團技術研發能力奠定了堅實基礎。

普及環保教育

為增強公眾在水資源領域的環保意識，提升社區可持續發展軟實力，本集團積極響應國家號召，持續面向公眾開放污水處理設施及廠區，進一步發揮本集團集參觀、實踐、培訓為一體的環保宣傳基地作用。截至二零二零年十二月三十一日，本集團已向公眾正式開放27個項目。回顧年度內，本集團更開展了全新的「雲開放」線上環保參觀活動，讓老年人或行動不便的人士在家中透過視頻方式了解環保設施，並成功吸引社會大眾積極參與線上觀看和留言互動。報告期內，本集團圍繞二零二零年「中國水週」、「世界水日」、「世界環境日」及「世界地球日」等專題開展一系列線上線下活動，號召廣大民眾惜水愛水及增加環保科普知識，更有多個污水處理廠榮獲省市級「生態文明教育基地」和「科普教育基地」等榮譽稱號。

Summing Up

Following the in-depth development of the national ecological conservation and environmental management, Everbright Water will continue enhancing reforms and striving for the continual development despite the challenging industry. By steadily promoting business development, technology R&D and other work, Everbright Water will continuously enhance its core competitiveness, grasp the market window period, and establish a strong foundation for sustainable and long-term development in the future.

AN XUESONG

Executive Director and Chief Executive Officer

31 May 2021

結語

隨著國家生態文明建設與環境治理的深入推進，光大水務將在充滿挑戰的行業環境中繼續深化改革、穩健發展，通過穩步推進業務拓展、技術研發等各項工作，不斷提升核心競爭力，精準把握市場窗口期，為日後的可持續長遠發展奠定基石。

安雪松

執行董事兼總裁

二零二一年五月三十一日

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，並在制定本集團經營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 enterprise focusing on water environment management. It is listed on the Mainboard of SGX and the Main Board of the SEHK (stock codes: U9E.SG & 1857.HK) with its direct controlling shareholder being Everbright Environment (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環境（股份代號：257.HK）。



Business Overview

Everbright Water is a leading water environment management enterprise in China with diversified and comprehensive businesses, 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. The Group has formed a full industry chain on the water business, specialising in project investment, planning and design, technology R&D, engineering and construction, operations management, etc., and has business footprint across different regions of China, including 10 provinces, municipalities and autonomous regions such as Beijing, Jiangsu and Zhejiang, covering more than 50 districts, counties and cities.

業務概覽

光大水務作為中國水環境綜合治理領域的業界魁首，業務範圍廣泛而多元化，包括原水保護、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，精專於項目投資、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。業務分佈於中國各地，包括北京、江蘇、浙江等十個省、市及自治區，涵蓋超過五十個區、縣、市。

As at 31 December 2020
截至二零二零年十二月三十一日

Total Water Treatment Capacity
水處理總規模

80%

Municipal & Industrial
Waste Water Treatment
市政污水及工業廢水處理

4%

Water Supply
供水

2%

River-Basin Ecological
Restoration
流域治理

9%

Raw Water Protection
原水保護

3%

Reusable Water
中水回用

2%

O&M
委託運營

6,518,200 m³/day
立方米/日

Note:
附註：

EPC projects excluded
不含EPC項目

Project Investment and EPC/O&M Projects

As at 31 December 2020, Everbright Water had invested in and held a total of 138 projects, with a total project investment of approximately RMB24.68 billion, and undertook 3 EPC projects and 2 O&M projects.

項目投資及EPC/委託運營項目

截至二零二零年十二月三十一日，光大水務投資並持有138個水務項目，涉及總投資約246.8億元人民幣，另承接3個EPC項目及2個委託運營項目。

Project Overview

項目概覽

106

Municipal waste water treatment projects
個市政污水處理項目

12

Industrial waste water treatment projects
個工業廢水處理項目

7

Reusable water projects
個中水回用項目

6

River-basin ecological restoration projects
個流域治理項目

2

Waste water source heat pump projects
個污水源熱泵項目

1

Raw water protection project
個原水保護項目

1

Leachate treatment project
個滲濾液處理項目

3

Water supply projects
個供水項目

3

EPC projects
個EPC項目

2

O&M projects
個委託運營項目



Intelligent Water 智慧水務

In recent years, Everbright Water has made good progress in establishing and improving the information system, and has achieved success in implementing smart systems in waste water treatment plants, which facilitates the exploration and promotion of digitalisation of urban water business. During the Reporting Period, the Group published the *China Everbright Water Limited Intelligent Water Whitepaper*, which analyses and discusses the application scenarios, technical options and implementation approaches relating to “Intelligent Water” in the future. The whitepaper aims to nurture the technical and management advancement among enterprises and in the industry.

近年來，光大水務致力於信息化建設，並於污水處理廠的智能化建設方面取得一定成效，有助探索和推動數字化新型城市水務業務。本集團於報告期內發佈《中國光大水務有限公司智慧水務白皮書》，分析和探討未來「智慧水務」主題的應用場景、技術選擇、實施方法等，促進企業乃至行業的整體技術和管理升級。

Response to the COVID-19 Pandemic 應對新冠疫情

During the COVID-19 pandemic, the Group, through the overall technical and management upgrade, managed to promptly deploy preventive and protection measures to safeguard employees’ health and ensured smooth operation of projects. In addition, the Group helped prevent secondary virus transmission in communities through intermediaries such as waste water, and achieved “safe production with compliant discharge”.

新冠疫情期間，本集團憑藉整體技術和管理升級及時迅速作出部署，保障員工健康安全和項目穩定運營，並致力協助當地社區防止病毒透過污水等媒介二次傳播，貫徹落實「安全生產、達標排放」。

Business Highlights in 2020

二零二零年業務亮點

As at/For the year ended 31 December 2020

截至二零二零年十二月三十一日/截至該日為止的年度內

111	projects in operation 個運營項目	1	project completed construction 個建成完工項目
21	projects under construction 個在建項目	10	projects in preparatory stage 個籌備/籌建項目

- Revenue of approximately HK\$5.66 billion, with total assets of approximately HK\$26.91 billion
- Provided internal and external customers with services and products, which amounted to a total contract value of approximately RMB168 million
- 25 patents granted (including 22 utility models, 1 invention patent, 1 software copyright and 1 design patent) and published 1 academic paper
- The Group's projects treated approximately 1.56 billion m³ of waste water and produced approximately 24.33 million m³ of reusable water, representing increases of 8.74% and 37.83% respectively compared with 2019
- 收入約56.6億港元，總資產約269.1億港元
- 向多個內外部客戶提供技術服務及產品，涉及合同金額約1.68億元人民幣
- 獲授予專利25項（包括實用新型專利22項、發明專利1項、軟件著作權1項及外觀專利1項），發表技術論文1篇
- 旗下各項目共處理污水約15.6億立方米、生產中水約2,433萬立方米，較二零一九年分別增長8.74%和37.83%

Business expansion
業務擴展

The Group entered into a concession agreement for Dandong Waste Water Treatment Project Phase II in Liaoning Province, with a designed daily waste water treatment capacity for stage I of 100,000 m³. The project marked the expansion of the Group's business footprint within Liaoning Province, laying a solid foundation for the Group to undertake other water management projects within the North East and Inner Mongolia regions in the future.

本集團簽訂遼寧省丹東市污水處理項目二期的特許經營權協議，其中第一階段設計污水處理規模100,000立方米/日。該項目擴大本集團於遼寧省的市場地位，並為日後於東北及內蒙古地區承接其他水務項目奠定良好基礎。

The Group's Featured Environmental Protection Businesses

本集團特色環保業務

Sponge City 海綿城市

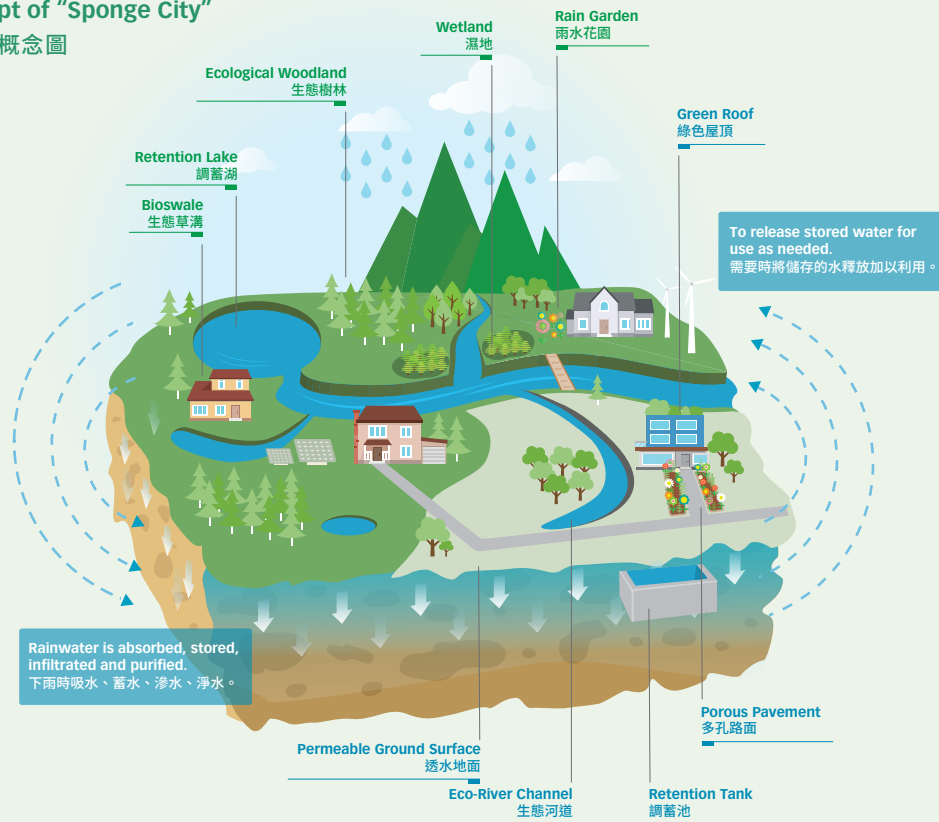
"Sponge City" is a modern rainwater management approach to facilitate effective drainage and harvesting of rainwater, strengthen the urban ecosystem and promote sustainable development. Through enhancing a city's ability in absorption, infiltration, retention, release and purification of rainwater, Sponge City improves the city's resilience against climate change. Sponge City resolves urban waterlogging issue and conserves water resources through restoring the natural water cycle in cities, thus alleviating urban heat island effect and improving the urban living conditions.

「海綿城市」是一種現代雨水管理模式，其有助疏導和回用雨水、改善城市生態系統及促進可持續發展。海綿城市旨在透過提升城市對雨水的吸納、蓄滲、緩釋和淨化能力，加強城市對氣候變化的應變能力。海綿城市採用復原城市自然水循環的方法，解決內澇問題並保護水資源，同時緩解熱島效應，提高城市居住品質。

6 Main Functions of Sponge City 海綿城市的六大水務功能

Water security development 水安全建設	Water landscape planning 水景觀規劃	Water environment protection 水環境保護
Water ecological restoration 水生態恢復	Water culture inheritance 水文化傳承	Water economic development 水經濟發展

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



Putting “Sponge City” Design into Practice – Zhenjiang Sponge City Construction Public-Private Partnership (“PPP”) Project

「海綿城市」概念實踐—鎮江海綿城市建設政府和社會資本合作（「PPP」）項目



Zhenjiang Sponge City Construction PPP Project (“**Zhenjiang Sponge City Project**”) is the Group’s key demonstration project to showcase the “Sponge City” concept. The project is located at the scenic belt of Jinshan Lake of Zhenjiang City, Jiangsu Province, with engineering design emphasising conservation and enhancement of the local ecosystem through measures including natural embankments, gentle river banks and artificial plant landscaping. The ultimate goal is to create a scenic green belt that facilitates the utilisation of rainwater and ecological environment protection, with a series of water retention tanks, rainwater pumping stations, rainwater drainage networks and waste water treatment facilities to significantly improve Zhenjiang City’s ability in flood prevention and pollution reduction.

鎮江海綿城市建設PPP項目（「**鎮江海綿城市項目**」）為本集團旗下的「海綿城市」概念重點示範項目。項目位於江蘇省鎮江市金山湖風光帶，工程設計重點強調自然駁岸、緩坡入水、植物造景等生態化手段，保育及美化當地生態環境，建設一條有機的風景綠廊。該項目建立了一系列的調蓄池、雨水泵站、雨水管網和污水處理設施，將大幅提升鎮江市的內澇防治能力並削減污染，促進雨水利用和生態環境保護。

The largest single sub-project under Zhenjiang Sponge City Project is the Waste Water Overflow Pollution Control Project Along Jinshan Lake. The sub-project implemented the Combined Sewage Overflow (CSO) management strategy with a focus on the control of surface runoff and sewer overflow pollution. The construction involves the installation of large-diameter pipes at the bottom of Jinshan Lake to collect and transfer rainwater to waste water treatment plants and constructed wetlands for treatment prior to discharge. Through measures including water bodies transformation, river bank stabilisation and wetland restoration, the sub-project promotes the city’s rainwater infiltration, storage and purification capacity, significantly improving the water and landscape quality in the area.

鎮江海綿城市項目中的最大單體子項目是沿金山湖合流污水溢流污染控制工程，該子項目使用合流制溢流污染綜合治理方案，控制地表徑流和溢流污染。工程主要涉及在金山湖底下鋪設大口徑管道，將雨水收集運送到污水處理廠和濕地處理。項目透過改造水體、整治岸坡、復原濕地等多項措施，發揮了滲透、儲蓄和淨化雨水的的作用，大大改善城內水質和美化景觀。



In addition, the sub-project aligns with *the Urban Black and Odourous Water Bodies Management Measures of Jiangsu Province*, incorporating black and odourous water management system into the sponge city design. The combined management approach is essential to the upgrading of the tributaries of Jinshan Lake within Zhenjiang City, and will ultimately purify the city's water resources.

與此同時，該子項目亦配合《江蘇省城市黑臭水體整治行動方案》，將黑臭水體整治系統與海綿城市建設進行深度融合，對鎮江市內幾條流入金山湖的黑臭河流進行同步改造，淨化城市水資源。

Improve Drainage

加強排水能力

- Prevent flooding in the city
小雨不積水、大雨不內澇

Improve Water Quality

改善水質

- Eliminate 91% of pollutants (including ammonia, chemical oxygen demand ("COD"), & suspended solids ("SS"), etc.)
削減91%的污染物(包括氨氮、化學需氧量(「COD」)及懸浮固體(「懸浮固體」)等)

Enhance Flood Prevention Capacity

提升防洪能力

- Enable withstanding flood that occurs once in 30 years
可有效應對30年一遇洪水

Conservation & Revitalisation

活化保育

- Enhance biodiversity and ecological value
增加生物多樣性和提升生態價值

Embellish Landscape

美化景觀

- Transform Jinshan Lake into a new landmark with clear water
更清澈的金山湖成為鎮江新地標

Waste Water Treatment 污水處理

Generally, waste water treatment plants occupy a large area of developable land, and may affect the property prices and land value, thereby affecting the development of nearby lands. As such, many local governments are willing to increase construction expenses and operational costs for developing underground waste water treatment plants, which in turn will reduce the impact on land development. The Group is actively keeping up with the trend of constructing underground waste water treatment plants and determined to be the leader and promoter of enhanced ecological conservation.

污水處理廠普遍佔用大面積的可開發土地，而且會影響土地和樓盤的價格，對周邊土地的開發有重大影響。現時有不少地方政府願意撥付較高的建設和運營開支，建設地下式污水處理廠，以減低對土地開發的影響。本集團亦積極響應地下污水處理廠建設的趨勢，成為良好生態文明建設的宣傳者和實行者。

Ji'nan Huashan Waste Water Treatment Project is the Group's first fully underground waste water treatment plant, with a designed daily treatment capacity of 30,000 m³; Ji'nan East Station Area Underground Waste Water Treatment Project of the Group, which also adopts fully-underground design, completed construction during the year under review, with a designed daily treatment capacity of 100,000 m³.

濟南華山水質淨化項目為本集團旗下首個全地下污水處理廠，設計處理規模30,000立方米/日；於回顧年度建成的本集團旗下濟南東站片區地下污水處理項目同樣採用全地下設計，設計處理規模100,000立方米/日。



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

River-Basin Ecological Restoration 流域治理

River-basin ecological restoration refers to the integrated restoration within the river and land boundary through artificial reclamation measures to improve flood prevention and stormwater drainage. In addition, it will promote the aquatic ecological enhancement and build an aesthetically pleasant, healthy and comprehensive river ecosystem.

流域治理是指在河道陸域控制線內實施綜合整治，通過人工修復措施大幅提升防洪排澇的功能，同時促進河道的水生態發展，構建美觀、健康和完整的河道水生態系統。

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



River-Basin Ecological Restoration Project

流域治理項目

The Group's first key project in the river-basin ecological restoration area is the Nanjing Municipal Water PPP Project, which has a total investment of approximately RMB275 million. Another key project of the Group in this area is the Nanning Shuitang River Integrated Restoration PPP Project, which commands a total investment of approximately RMB1.5 billion. Such projects enhance the relevant cities' resilience against flooding through improvement in water quality, river dredging, river widening, transect restoration, riverbank greenery and river and discharge point restoration, etc. They also protect and increase the ecological value of the relevant local areas.

本集團重點建設的首個河道流域治理項目為南京涉水市政工程PPP項目，總投資額約2.75億元人民幣。本集團另一個重點水環境綜合治理項目為南寧水塘江綜合整治工程PPP項目，總投資額約15億元人民幣。該等項目透過改善河流水質、提供河流疏浚、河道拓寬、斷面修整、岸坡綠化以及河道和排污口整治等治理工程，加強涉水城市的防洪能力，並維護及提升當地的生態價值。

Raw Water Protection 原水保護



Zhejiang Tongxiang Project
浙江桐鄉項目

The Group has expanded its business to raw water protection. Amidst the challenges of climate change and increasing water scarcity, the Group is committed to ensuring the quality and safety of water supply sources, as well as protecting precious ecological wetlands and drinking water resources.

本集團已將業務拓展至原水保護領域。面對氣候變化和水資源日趨缺乏的挑戰，本集團致力為供水水源的水質和供給安全提供保障，維護珍貴的水生態環境與飲用水資源。

Zhejiang Tongxiang West Area Drinking Water Sources Protection PPP Project ("Zhejiang Tongxiang Project") is located in Zhejiang Province, and is the Group's first drinking water source wetland protection project, with a total investment of approximately RMB1.253 billion. The

project involves investment, construction and operation of water intake pumping stations, raw water pipelines and ecological wetlands, including ecological engineering project, controlled construction, soil conservation project, surrounding water conservancy compensation project and "Intelligent Water" system, 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, ensure the drinking water safety for local residents, and strengthen the resilience of local water treatment plants.

浙江桐鄉西部飲用水源保護建設工程PPP項目（「浙江桐鄉項目」）位於浙江省，是本集團首個飲用水源濕地保護項目，總投資額約12.53億元人民幣。該項目涉及投資、建設和運營新建取水泵站、原水管線工程及生態濕地工程，包括生態工程項目、控制性建築物、水土涵養工程、周邊水利補償工程和「智慧水務」系統，工程佔地約5,400畝。該項目建成投運後，將有效提升桐鄉市供水水質，為居民用水安全提供可靠保障，並增強當地水廠的抗風險能力。

R&D 研發

The Group strives to uphold the “Innovation-Driven Development” ethos and fully supports technology R&D, with progress made in the “Intelligent Chemicals Dosing System for Phosphorous Removal” project. The aim of the project is to develop a fully automatic operation system, which will automatically and accurately adjust the dosage of chemicals to be added through closely monitoring the change in water quality. Unlike the conventional automatic system with default conditions, the intelligent system’s calculation is based on the real-time characteristics of water quality. At the beginning stage of development, the data on water quality was collected and testing of relevant chemicals was carried out in lab; in addition, various scenarios, extreme contingency measures and tolerance mechanisms were considered in order to establish the comprehensive control system. The benefit of self-developed intelligent control system is that it produces a tailored and effective product for the Group’s projects at a lower cost, which could effectively lower the risks and reduce the consumption of chemicals. At the end of 2020, the “Intelligent Chemicals Dosing System for Phosphorous Removal” was registered with the trademark of EB-IDC®.

本集團秉承「創新引領發展」的理念，加大對技術研發的支持力度，於「智能除磷加藥控制系統」項目上持續進行研發。項目的研發目標為實現全自動運作系統，通過嚴密監測水質水量的變化，自動精確地調整加藥量。與傳統自動控制（預設條件）的方式不同，智能控制算法以污水廠實際運行中的水質特徵作為編製的最根本依據，主要在開發初期透過收集水質的化驗數據和藥品匹配性的實驗檢查，再加上各種情景模擬、極端情況處理方式及各種容錯機制，建立起完整的控制策略。自行研發智能控制系統的好處在於能做出一套更加合適的效優價廉的產品，便於套用在本集團旗下的項目上，在有效降低風險的同時實現降低藥品消耗的目標。在二零二零年底，「智能除磷加藥控制系統」更被註冊為商標EB-IDC®。

Since 2018, the Group’s technology centre has achieved an aggregate revenue from customers inside and outside of the Group of over RMB400 million for its self-developed products, and has registered 17 trademarks with EB-IDC® being the 18th one.

自二零一八年以來，本集團技術中心的自行研發產品對本集團內部和外部客戶的累計銷售額已超過4億元人民幣，註冊產品商標數量達到17個，EB-IDC®將成為第18個。

Business Outlook

Against the backdrop of the macro environment with many uncertainties, China has managed to quickly recover its economy in 2020 following its effective control of the pandemic. The country’s “14th Five Year Plan” and the “Long-Range Objectives Through the Year 2035” have clearly stipulated the requirements on ecological conservation and environmental protection. “Peaking Carbon Dioxide Emissions and Achieving Carbon Neutrality” is one of the eight main tasks for 2021 listed by the Central Economic Work Conference, aiming to create synergy effect for the reduction of pollution and carbon emissions. In an uncertain external environment, the Group has established a series of business development strategies to continuously improve its business performance. Such strategies include actively following up opportunities in national strategic areas, continuously improving the balance between asset-light and asset-heavy business to enhance its business efficiency and profitability, harnessing the strength of its technology R&D platform, expediting digitisation and “resource recovery” to boost value, and leveraging its dual listing status in Singapore and Hong Kong to drive business integration with capital. The Group is confident that it will overcome all the obstacles, continue to enhance the Group’s business performance, and seize opportunities to take on the journey towards high-quality development.

For details of the Group’s business and prospects, please refer to the Annual Report 2020.

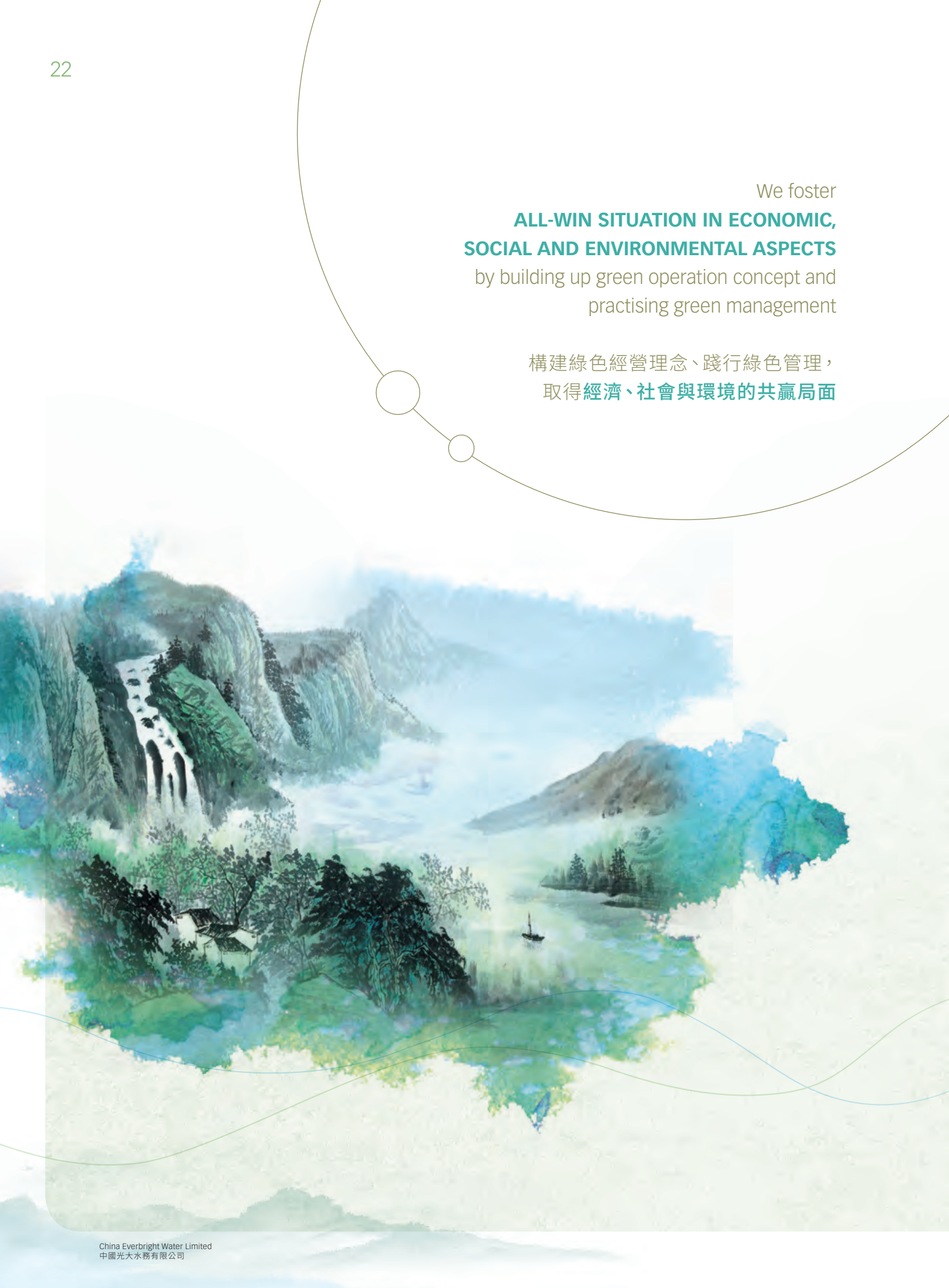
業務前景

在全球宏觀環境充滿變數的背景下，由於疫情防控得當有效，中國已於二零二零年實現經濟快速復甦。國家「十四五」規劃和「二零三五年遠景目標」對生態環境保護提出明確要求，「做好碳達峰、碳中和工作」已被中央經濟工作會議列為二零二一年八項重點任務之一，明確推動實現減污降碳協同效應。為了在充滿不確定性的外部環境中持續提升經濟效益，本集團已制定一系列業務發展方針，包括重點佈局國家戰略區域、持續優化輕重資產配置以提升公司經營效益、發揮創新技術研發平台優勢、加快數字化及「資源化」建設以提升價值創造、透過新港兩地上市企業的優勢以推動產業整合等。本集團有信心能夠從容應對各類挑戰，未來繼續提升本集團的經濟效益，緊抓機遇並踏上高質量發展的新征程。

有關本集團業務和展望的詳情，請參閱二零二零年度報告。

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



Good corporate governance can promote the Group’s sustainable development and safeguard the interests of all stakeholders. In order to fully demonstrate Everbright Water’s commitment to building a fair and just society and a sustainable environment, the Group integrates sustainable development and corporate social responsibility into its corporate governance framework, from the Board to the departments and business units at project level. The Group is devoted to creating long-term value for its stakeholders and building a sustainable future for the Group through formulating a robust governance structure, implementing the comprehensive Environmental, Safety, Health and Social Responsibility (“**ESHS**”) Management System (“**ESHS Management System**”) and Risk Management System, and making timely and comprehensive information disclosure.

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 into 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.

優良的企業管治能促進本集團的可持續發展及保障各持份者的利益。為充分展現光大水務對建構公平正義社會與永續環境的承諾，本集團將可持續發展及企業社會責任納入其企業管治架構，上至董事會層面下至項目層面的部門及各業務單位。本集團透過制定穩健的管治架構，採納全面的環境、安全、健康及社會責任（「**ESHS**」）管理體系（「**ESHS管理體系**」）和風險管理體系以及進行適時全面的信息披露，致力為持份者創造長遠價值，為本集團建立可持續的未來。

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中。

<p>Top-level governance body 最高管治機構</p>	<p>The Board 董事會</p>	
	<p>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。</p>	
<p>Board Committee level 董事會委員會層面</p>	<p>Strategy Committee 戰略委員會</p>	<p>Management Committee 管理委員會</p>
	<p>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。</p>	<p>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。</p>

Functional departments at headquarters 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/專工

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 its headquarters, the Group invites external consultants to provide regular training to the Directors and share with them the latest information on popular topics (e.g. regulatory updates, economic, environmental and social issues), with a view to continuously enhancing the Directors' leadership in sustainable development practices. The Board and the senior management review issues and policies related to the Group's sustainable development annually, make amendments to the policies in a timely manner, and review and approve 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。董事會和高級管理層每年均會檢視本集團的可持續發展議題及政策，會適時作出修訂，並審閱及批准可持續發展報告。

ESHS Management

The Group attaches great importance to the concurrent development of enterprise and the society, ensures that its products and services meet the relevant local, national and international safety and environmental standards and regulations and is determined to fulfil its social responsibility as an environmental corporate. The Group has implemented the ESHS Management System since 2016. The system consists of four parts, including environmental management, safe production management, occupational health management, and social responsibility management. The system is formulated based on the relevant international and domestic management systems and experience and strictly complies with all the laws, regulations, and standards regarding environmental protection, safe production, occupational health, and social responsibility. The Group continues implementing the ESHS Management System in every department at all levels, which covers all of its employees and on-site third party contractors and subcontractors. This is to standardise the internal management and risk control in all different processes, continually optimise the management system, and strengthen emergency response ability, for the purpose of sustainable development. The system also minimises the environmental, safety, health and social impacts on the project areas as well as its indigenous peoples.

ESHS管理

本集團重視企業與社會的同步發展，確保旗下產品和服務符合環境及健康安全的相關地方、國家及國際標準及法規，堅決履行作為環保企業的社會責任。本集團於二零一六年起全面實施ESHS管理體系。該體系針對環境管理、安全生產管理、職業健康管理、社會責任管理四個部分，以國際、國內相關的管理體系和經驗作為基礎，嚴格遵守所有環境保護、安全生產、職業健康與社會責任的相關法規和標準。本集團在各級部門均實施ESHS管理體系，並涵蓋旗下所有員工及駐場第三方承包商及分包商，以規範化各個環節的內部管理及風險管控，並持續優化完善管理體系和強化應急能力，推動可持續發展。該體系亦同時保障將項目對所在地原住民以及當地環境、安全、健康和社會方面的影響降至最低。



The Group has also been actively evaluating its environmental and social performance in accordance with the 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.

In order to identify and eliminate occupational hazards and risks at an early stage, the Group has formulated the *ESHS Audit Management Standards* to implement the ESHS Management System at project companies and to conduct audit on their ESHS performance so as to determine if any preventive and corrective measures for ESHS performance are required. The Group conducts internal on-site ESHS audits annually for all of its projects under construction and in operation.

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。

為盡早識別及消除職業危害及風險，本集團制定了《ESHS審核管理標準》，在項目公司實施ESHS管理體系，審查項目公司在ESHS方面的表現，並確定是否需要對項目公司現場的ESHS表現採取預防及整改措施。本集團旗下所有在建及運營項目每年均會進行一次內部ESHS現場審核。

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 all employees' behaviour, 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 such code, adhere to the honest and pragmatic management guidelines, and uphold ethics in business operations.

Prevention of Corruption and Anti-Competitive Behaviours

To strengthen the anti-corruption practice and enhance its employees' awareness on conflicts of interest and integrity issues, the Group, during the year under review, provided the employees with 65 hours of training on anti-corruption. Participants include the Group's senior management, middle-level management and other employees. The training covers topics such as *Towards Integrity* and *20 Guidelines for Anti-Corruption* to emphasise the responsibility of anti-corruption. 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.

The Group prohibits any arrangement which prevents, restricts or distorts competition, including preventing competitors from collusion on key parameters of competition such as price, output or form of bidding which would harm competition in the water industry. Meanwhile, the Group prohibits any power-abusive behaviour from harming competition so as to ensure that consumers' choices are not limited.

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 legal requirements in relation to collecting, possessing, processing, disclosing and using the personal data.

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》為所有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、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合共65小時防止貪腐相關的培訓，參與培訓的人員包括本集團高管、中層及其他各層級員工，培訓內容基於《送廉上門》及《廉政建設二十條規定》等學習材料，切實履行廉政建設的責任。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。

本集團禁止訂立任何妨礙、限制或扭曲競爭的安排，包括阻止競爭對手就關鍵的競爭元素（例如價格、產量或投標的方式）進行串通而損害水務行業的競爭。同時，本集團禁止任何濫用權勢損害競爭的行為，確保不會限制客戶的選擇。

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、保管、處理、披露及使用個人資料的法律規定。

Policy for Whistleblowing

The Group has set up an email address and a dedicated telephone number that is available in local languages to provide employees with an official whistleblowing channel to contact the chairman of the Audit Committee directly. Whistleblowers 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 while ensuring that employees have no fear of retaliation. 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. During the Reporting Period, the Group did not receive any reports through the whistleblowing channels.

Risk Management

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

The Group has established an efficient risk management structure. It is to prevent risks at source through establishing the three lines of defence for risk management comprising project companies, functional departments at the headquarters, and the Internal Audit Department. The Group has also set up special committees such as the Risk Assessment Committee, the Engineering and Technology Committee and the Procurement Management Committee, to strengthen the specialised review and effectiveness of the progress on critical issues.

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 climate change. Therefore, the Group is devoted to identifying relevant climate change risks and opportunities at all levels of its business, which include areas 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.

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，同時確保員工毋須畏懼報復。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。於報告期內，本集團未通過舉報渠道收到任何報告。

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、內審部的風險管理三道防線，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、採購委員會等專項委員會，強化對於重點事項的專項審閱及有效推進。

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），並定期作出檢視與更新。本集團承諾以實際行動減緩、適應及抗禦氣候變化對業務所帶來的負面影響。

For the details of corporate governance, risk management and internal control of the Group in 2020, please refer to the Annual Report 2020.

有關本集團二零二零年的企業管治、風險管理及內部控制的詳情，請參閱二零二零年度報告。

Supply Chain Management

As a leading environmental protection enterprise in China, the Group actively cooperates with the local suppliers to facilitate the development of local communities at all provinces, municipalities, and autonomous regions (the “**Provinces**”) within the country. The Group always views suppliers as important partners and persists fair and open measures to cooperate with various suppliers. The Group gives priority to the suppliers in the same Province when developing business all over the country in order to create employment opportunities for local communities and fulfil corporate social responsibility. Preference is also given to the environmentally and socially responsible suppliers, such as contractors who prioritise the purchase of reusable and renewable products or adopt low-emission construction processes, etc.

As at 31 December 2020, the Group engaged a total of 3,994 suppliers, all of which were from mainland China. The principal services provided by these suppliers included equipment fitting, installation and construction, and approximately 38% of suppliers provided services to the project companies within the same Province. The Group outsourced services such as environmental monitoring, equipment maintenance, cleaning, security, and landscaping, involving 2,586 on-site outsourced workers.

供應鏈管理

作為中國領先的環保企業，本集團積極透過與本地供應商合作，促進中國各省、直轄市及自治區（「**省份**」）的當地發展。本集團一直視供應商為重要夥伴，堅持以公平、開放的方式與各供應商合作。本集團於全國各地發展業務時，會優先選用位於相同省份的供應商合作，為當地居民創造就業機會，履行企業社會責任；亦會盡可能選擇承擔環境及社會責任的供應商，例如優先選購可重用或再生產品、聘任採用低排放建設過程的承包商等，以鼓勵供應商支持可持續發展。

截至二零二零年十二月三十一日，與本集團建立合作關係的供應商共有3,994家，所有供應商均位於中國內地，主要服務包括設備配置、安裝與工程建設，其中為相同省份的項目公司提供服務的供應商數目佔整體約38%。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2,586名駐場外判工人。

As at 31 December 2020

截至二零二零年十二月三十一日

Number of On-Site Outsourced Workers in 2020

二零二零年駐場外判工人數目

Environmental monitoring 環境監測	Equipment maintenance 設備維修	Cleaning 清潔	Others 其他
433	1,183	146	123
Security 保安	Landscaping 綠化	Catering 食堂	Construction Workers 建築工人
117	171	59	354
Total 總數 2,586			

Supplier Management Measures

The Group continuously communicates with suppliers and delivers messages regarding sustainability to all stakeholders in the supply chain, 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:

供應商管理準則

本集團持續與供應商進行溝通，向供應鏈中各持份者傳達可持續發展的訊息，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以下供應商管理準則，在供應鏈的各個流程中落實環境與社會管理：

Code of Conduct for Suppliers 《供應商行為準則》

- Standardises the behaviours of suppliers in the economic, environmental and social aspects in a systematic way, in order to encourage suppliers to fulfil and jointly improve the sustainability performance of the supply chain. Such Code of Conduct also encourages the Group's suppliers to treat their subordinate suppliers with the same standards, so as to enhance the sustainability of the entire supply chain.

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。
- In economic aspect, suppliers are required to carry out and operate businesses with ethics, integrity and anti-corruption, and to comply with relevant local, national and international laws and regulations. In environmental aspect, suppliers are required to minimise the negative impacts on the environment during their operations and strengthen monitoring of environmental issues. In social aspect, suppliers are required to comply with the 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.

在經濟層面，規定供應商進行商業活動時需要從道德角度出發，誠實地進行經營及反貪腐，並遵守當地、國家及國際的相關法律法規；在環境層面，要求供應商在其運營中加大監控力度，盡量減少對環境的污染及負面影響；在社會層面，要求供應商遵守國家的勞工政策和法規，當中包括避免任何奴役、強迫勞動、抵押勞工、使用童工或虐待行為，維護員工的基本人權，並考慮公眾福利。
- All suppliers shall comply with such Code of Conduct during their course of business with the Group or participation in any events related to the Group.

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。

Supplier Management Measures 《供應商管理辦法》

- Covers various topics such as the responsibilities of various suppliers on equipment, main materials, construction units, design units and operation centres, ranking and evaluation of suppliers, engagement of new suppliers, ongoing management of suppliers, management of unqualified suppliers, and disciplinary actions on misconduct.

涵蓋包括裝備、主材料、施工單位、設計單位、運營中心等供應商之職責分工、供應商等級及評價、新供應商的顧用、供應商動態管理、不合格供應商的管理和違規處罰等在內的詳細規定和要求。
- Suppliers are categorised into four grades, namely A, B, C, and D based on the continuous evaluation of their professional proficiency, financial status and compliance records. 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.

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。

Contractors ESHS Management Measures

《承包商ESHS管理標準》

- Aims to identify and control the environmental, social and safety risks during outsourcing by examining the contractors in the aspects of background, qualification, construction operation and environmental protection performances.
旨在透過審視承包商在背景、資質、施工作業及環保等方面的表現，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。
- Contractors need to fill in the “Contractor ESHS Questionnaire” and provide relevant ESHS information to assist the Group in sorting out the list of qualified contractors and ensuring that the suppliers and contractors comply with environmental and social responsibility management regulations, as well as any applicable national and local government regulations.
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。
- The information required to be submitted includes whether the contractor has any certificate for international environmental management standard such as ISO 14001, whether it has conducted ESHS training and assessment and whether it has provided appropriate protective equipment for employees, etc.
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。

The Group provides further guidance to its business partners to enhance their sustainability performance by issuing various policies and guidelines, including *Tender Management Measures* and *Management Measures for Appraisal Expert Database of Project Construction Procurement*.

Supplier Sustainability Risk Assessment

Amidst the global trend of sustainable development, the Group not only emphasises corporate social responsibility, but also pays more attention to extending the strategy of sustainable development to its supply chain. In order to deepen the understanding of risks in the supply chain, the Group commissioned an independent consultant to carry out an assessment on its suppliers' sustainability risks and ESHS performance. In 2020, a total of 131 suppliers, whose businesses cover electrical equipment, pumping equipment and water treatment equipment, etc., participated in the survey and assessment. The scope of the assessment includes the qualifications of suppliers in terms of production, operation, and safety, etc., as well as their management systems related to quality, environment and society, etc.

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。

供應商可持續風險評估

在全球可持續發展的大趨勢下，本集團不僅強調企業自身對社會責任的履行，更重視把可持續發展策略擴展至供應鏈中。為加深了解供應鏈內的風險，本集團委託了獨立顧問評估本集團供應商的可持續性風險及ESHS表現。二零二零年，共計131家供應商受訪參與評估，其業務涵蓋了電力設備、泵類設備及水處理設備等。評估涵蓋了供應商生產、運營及安全方面的資質，以及質量、環境和社會方面的管理體系等。

The Group's effectiveness in sustainable supply chain management has been fully reflected in the results of the sustainability risk assessment. 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. Besides, most assessed suppliers were applying for or had already obtained international certification for management standards including ISO 9000, ISO 14001, and OHSAS 18001/ISO 45001, etc.; 58% of surveyed suppliers had formulated occupational health and safety policies and provided relevant training for employees. None of the surveyed suppliers indicated that they had any safety accident in the past 3 years. In the recent risk assessment, the Group has not identified any risks related to child labour or forced labour.

In order to identify the sustainability risks at each process of the supply chain, the Group has commissioned an independent consultant and its internal ESHS management team to identify and assess the environmental and social risks through materiality assessment. The team identified and reviewed each supplier's sustainability risk factors and topics, including environmental performance, quality management, occupational health and safety, employee training, human rights policies, etc. Through collection and analysis of the data provided by the suppliers, the Group identified the most significant risk factors and topics. The Group categorised suppliers' risks into low, medium, and high levels according to the assessment results to review the suppliers' performance in corporate social responsibility. In this assessment, 66% of surveyed suppliers were classified into low-risk category, and the rest are in medium-risk category. No suppliers fell into 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 continue to monitor the performance of suppliers and maintain close communication with each other to ensure the sustainability of the supply chain.

本集團在可持續供應鏈管理中的成效，已充分反映於本次的可持續風險評估結果內。被評估的所有供應商均表示企業於評估時沒有因環境和社會問題正進行商業訴訟，也沒有被有關部門就環境和社會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持有ISO 9000、ISO 14001及OHSAS 18001/ISO 45001等國際認證；當中58%的受訪供應商訂立了職業健康及安全政策，並為員工提供相關培訓活動；所有受訪供應商均表示在過去三年沒有發生過任何安全事故。在該次風險評估中本集團未有辨識到與童工或強制勞動相關的風險。

為識別供應鏈每個環節的可持續風險，本集團委託獨立顧問及內部的ESHS管理團隊，透過實質性評估來識別及評定供應商的环境及社會風險。團隊識別及檢視本集團各個供應商的可持续发展風險因素及議題，如環境表現、質量管理、職業健康與安全、員工培訓、人權政策等。本集團收集並分析供應商所提供的資料數據，從而識別最具重要性的風險因素及議題。本集團參考評估結果，將供應商的風險分為低、中、高三個等級，以檢視供應商在企業社會責任的表現。在該次評估中，66%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。本集團未來會持續監察供應商的表現，與各方保持緊密溝通，確保供應鏈的可持續性。

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



GRI 102-40

GRI 102-42

In order to ensure that the Group is able to actively respond to the current and emerging risks and opportunities in the market, stakeholder engagement is a significant part of the Group's sustainability strategy. The Group strives to facilitate a clear and positive mutual understanding and maintain trust with its stakeholders by keeping constant communication with them and proactively knowing and understanding their needs. Stakeholders' opinions are also helpful for the Group to identify priority issues and formulate corresponding development strategies.

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 below:

為 確保本集團能夠積極應對市場中現有及新興的風險與機遇，持份者參與是本集團制定可持續發展策略過程中尤關重要的一環。透過與各持份者保持緊密溝通，主動了解他們的需要，本集團致力實現對彼此清晰正面的了解，並維繫互信關係。持份者的觀點亦有助本集團釐清先決事項，並制定相應的發展政策。

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：

Responsibility 責任	Influential Power 影響力	Proximity 鄰近性	Dependency 倚靠性	Representativeness 代表性
Stakeholders connected 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

The Group invites stakeholders on a regular basis to express their views on its projects from planning to operation stages throughout each project's life cycle. By this means, the Group identifies priority issues and the associated concerns relevant to sustainability in order to improve its environmental performance and meet stakeholders' expectations. The major communication channels and frequencies are as follows:

本集團定期邀請持份者對於各項目從規劃階段至運營階段的全生命週期內事項發表意見，用心了解及識別優先且備受關注的可持續發展議題，從而改善環保表現和達到持份者的期望。主要溝通渠道和頻率如下：

<p>Investors/Shareholders 投資者/股東</p> 	<p>Government 政府</p> 	<p>Customers 客戶</p> 
<p>Annual/special general meeting 週年/特別股東大會</p> <ul style="list-style-type: none"> Annually/as needed 每年/根據需要 <p>Press release/announcement/circular 新聞稿/公告/通函</p> <ul style="list-style-type: none"> Regularly/as needed 定期/根據需要 <p>Results presentation 業績發佈</p> <ul style="list-style-type: none"> Semi-annually 每半年 <p>Interim/annual report 中期/年度報告</p> <ul style="list-style-type: none"> Annually 每年 <p>Roadshow 路演</p> <ul style="list-style-type: none"> Regularly/as needed 定期/根據需要 <p>Meeting/teleconference 會議/電話會談</p> <ul style="list-style-type: none"> Regularly/as needed/upon request 定期/根據需要/根據需求 <p>Site visit 現場考察</p> <ul style="list-style-type: none"> Regularly/as needed/upon request 定期/根據需要/根據需求 	<p>Progress report 進度報告</p> <ul style="list-style-type: none"> Weekly/monthly/quarterly 每週/月/季度 <p>Site visit 現場考察</p> <ul style="list-style-type: none"> Weekly/monthly/quarterly 每週/月/季度 <p>Meeting 會議</p> <ul style="list-style-type: none"> Weekly/monthly/quarterly 每週/月/季度 <p>WeChat and QQ 微信及QQ</p> <ul style="list-style-type: none"> As needed 根據需要 <p>Phone/email 電話/電郵聯繫</p> <ul style="list-style-type: none"> Weekly/monthly/quarterly 每週/月/季度 <p>Survey on customer satisfaction 客戶滿意度調查</p> <ul style="list-style-type: none"> Annually 每年 	<p>Meeting 會議</p> <ul style="list-style-type: none"> As needed 根據需要 <p>Phone/email 電話或電郵聯繫</p> <ul style="list-style-type: none"> As needed 根據需要 <p>Survey on customer satisfaction 客戶滿意度調查</p> <ul style="list-style-type: none"> Annually 每年

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**Business Partners/
Suppliers**
業務夥伴/供應商



Pre-tender meeting
採購招標會

- Every tender event
每次招標活動

Phone interview
電話回訪

- As needed
根據需要

Questionnaire
意見調查

- Ad hoc
不定期

WeChat and QQ
微信及QQ

- As needed
根據需要

Employees
員工



Work meeting/project meeting
工作會議/專題會議

- Regularly
定期

**Performance assessment
meeting**
表現評估會議

- Interim/year-end
年中/年末

Everbright publication
光大刊物

- Monthly
每月

Charitable activity
公益活動

- As needed
根據需要

Face-to-face meeting
當面會談

- As requested by employees
根據員工請求

Email
電郵聯繫

- Regularly/as needed
定期/根據需要

Phone meeting
電話會議

- As requested by employees
根據員工請求

**Villagers/Local
Communities**
村民/當地社區



Project visit/site visit
項目參觀/現場考察

- Before construction/public open day on the first weekend of every month/upon request
工程施工前/每月第一個週末之公眾開放日/根據請求

Survey
意見調查

- Before construction/as needed
工程施工前/根據需要

Public hearing
公聽會

- Before construction/as needed
工程施工前/根據需要

Charitable activity
公益活動

- As needed
根據需要

<p>NGOs 非政府組織</p> 	<p>Investment Analysts 投資分析員</p> 	<p>Media 媒體</p> 
<p>Charitable activity 公益活動</p> <ul style="list-style-type: none"> As needed 根據需要 <p>Site visit 現場考察</p> <ul style="list-style-type: none"> Regularly/as needed 定期/根據需要 <p>Meeting 會議</p> <ul style="list-style-type: none"> As needed 根據需要 	<p>Project visit/site visit 項目參觀/現場考察</p> <ul style="list-style-type: none"> As needed/upon request 根據需要/根據請求 <p>Meeting 會議</p> <ul style="list-style-type: none"> Semi-annually/ as needed 每半年/根據需要 <p>Press release/announcement 新聞稿/公告</p> <ul style="list-style-type: none"> Regularly/as needed 定期/根據需要 <p>Results presentation 業績發佈會</p> <ul style="list-style-type: none"> Semi-annually 每半年 <p>Interim/annual report 中期/年度報告</p> <ul style="list-style-type: none"> Annually 每年 	<p>Project visit/site visit 項目參觀/現場考察</p> <ul style="list-style-type: none"> As needed/upon request 根據需要/根據請求 <p>Press release/announcement 新聞稿/公告</p> <ul style="list-style-type: none"> Regularly/as needed 定期/根據需要 <p>Management interview 管理層採訪</p> <ul style="list-style-type: none"> Regularly/as needed/upon request 定期/根據需要/根據請求 <p>Results presentation 業績發佈</p> <ul style="list-style-type: none"> Release on the Company's website semi-annually 每半年於本公司網站發佈

Materiality Assessment

The Group commissions independent sustainability consultants to conduct materiality assessment on an annual basis to review the Group's impact in the economic, environmental and social aspects. The assessment reflects the most concerned issues by stakeholders in the list of sustainability issues and ranks them based on priority in order to further improve the Group's sustainability practice.

The materiality assessment was conducted in four stages for 2020 as follows:

實質性評估

本集團委聘獨立可持續發展顧問每年進行一次全面的實質性評估，以檢視本集團在經濟、環境和社會方面的影響。評估能反映持份者於可持續發展相關議題列表中最為關注的事項，並將議題進行優先排序，從而進一步推動本集團在可持續發展方面的工作。

二零二零年實質性評估的四個階段如下：

Stage 1 第一階段

Identification of Sustainability Issues 識別可持續發展議題

Everbright Water engaged an independent sustainability consultant to identify and review more than 30 sustainability issues that were most relevant to the Group (please refer to "List of Sustainability Issues"). These topics were identified from extensive sources of information, including the GRI Standards, SDGs, opinions from the stakeholders, suggestions of the Board and management personnel, internal publications, media information analysis, etc. The purpose was to ensure that the identified issues were fully aligned with the business nature of the Group and relevant to the findings from the previous stakeholders' engagement exercises.

光大水務委聘獨立可持續發展顧問全面識別及檢視超過三十項與本集團業務最密切的可持續發展議題(請見「可持續發展議題列表」)。這些議題乃透過廣泛來源所得，包括GRI準則、SDGs、持份者意見、董事會及管理層建議、內部刊物及媒體信息分析等，以確保識別出來的議題與本集團的業務性質完全一致，並且與以往與持份者參與活動的結果相關。

Stage 2 第二階段

Collection of Stakeholders' Opinions, Establishment of Materiality Matrix 收集持份者意見，繪製實質性矩陣

The independent sustainability consultant carried out a stakeholder survey to obtain views from nine stakeholder groups on the priority of material issues identified in Stage 1. The findings were then analysed quantitatively by the consultant to form a materiality matrix based on two parameters: perceived importance to stakeholders and significance to Everbright Water. The top 12 prioritised material issues perceived with the highest importance to the stakeholders and the Group are the disclosure focuses of the Report.

獨立可持續發展顧問對九個重點持份者組別進行持份者參與調查，依據調查結果為第一階段識別到的可持續發展議題作優先排序。顧問隨即根據持份者對議題的重要性評分和議題對光大水務的重要性這兩個參數，對這些議題的實質性作量化分析，並將分析結果以矩陣形式表達，從而確定在兩個層面最為重要的議題。於持份者和本集團層面最為重要的十二個經優先排序的實質性議題即為本報告的披露重點。

Stage
第三階段 3

Verification of Material Issues and Data Analysis
驗證實質性議題及數據分析

The 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 and comprehensive sustainability data on a regular basis.

董事會對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化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。

Stage
第四階段 4

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 2020 through stakeholder survey. All opinions and data collected were reported to the Board, and reviewed and verified by the Board. 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二零二零年可持續發展表現的意見。所有意見及數據皆已向董事會匯報，並由董事會檢視及核實實質性，以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。

GRI 102-44 GRI 102-46 GRI 102-47 GRI 102-49

List of Sustainability Issues

可持續發展議題列表

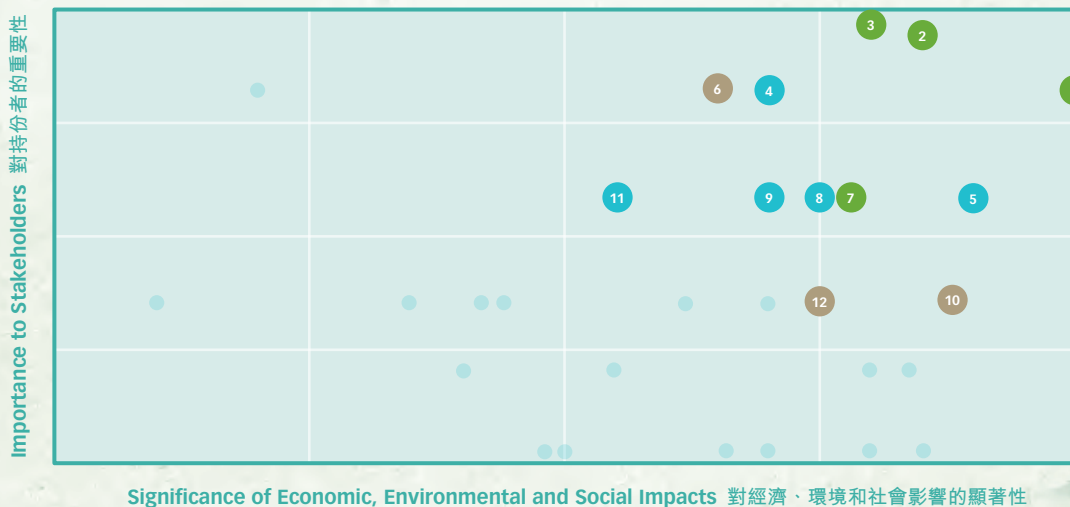
Economic 經濟	Environmental 環境	Social 社會
<ul style="list-style-type: none"> Economic Performance 經濟績效 Market Presence 市場地位 Indirect Economic Impacts 間接經濟影響 Procurement Practices 採購行為 Anti-Corruption 反貪腐 Anti-Competitive Behaviour 反競爭行為 Technology R&D 技術研發 	<ul style="list-style-type: none"> Materials Usage 物料使用 Energy Efficiency 能源效益 Water Resources Consumption 水資源消耗 Greenhouse Gas Management and Climate Change Mitigation 溫室氣體管理及氣候變化的應對 Waste Water Treatment 污水處理 Waste Management 廢物管理 Biodiversity 生物多樣性 Environmental Compliance 環境合規 Suppliers' Environmental Assessment 供應商環境評估 Construction Management 工程施工管理 Environmental Protection Education 環保教育 	<ul style="list-style-type: none"> Employee Welfare 員工福利 Occupational Health and Safety 職業健康與安全 Employee Training 員工培訓 Diversity and Equal Opportunity 多元化及平等機會 Internal Communication 內部溝通 Child Labour and Forced Labour 童工與強制勞工 Rights of Indigenous Peoples 原住民權利 Poverty Alleviation 扶貧 Social Assessment of Suppliers 供應商社會評估 Health and Safety of Communities 社區健康及安全 Third-Party Privacy 第三方私隱 Disaster and Emergency Planning and Response 災難及應急預案規劃 Participation of Community 社區參與 Social Compliance 社會合規

Materiality Matrix

實質性矩陣

The result of the Group's materiality assessment is shown in the matrix below, and the 12 prioritised material issues are converted into the GRI Standards.

本集團的實質性評估結果如以下矩陣圖所示，十二個經優先排序的實質性議題已被轉換成GRI準則。



GRI 102-44 GRI 102-46 GRI 102-47 GRI 102-49

Material Topics / Stakeholders' Concerns 實質性議題/持份者關注事項		Impacts and Boundaries 影響及範圍								GRI Standards GRI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			NGOs 非政府組織
1	Greenhouse Gas Management and Climate Change Mitigation 溫室氣體管理及氣候變化的應對	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 305 Emissions 排放	
2	Environmental Compliance 環境合規	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 307 Environmental Compliance 有關環境保護的法規遵循	
3	Waste Water Treatment 污水處理	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 303 Water and Effluents 水資源與污水	
4	Child Labour and Forced Labour 童工與強制勞工	✓	✓	✓					✓		GRI 408 Child Labour 童工 GRI 409 Forced or Compulsory Labour 強迫或強制勞動	
5	Occupational Health and Safety 職業健康與安全	✓	✓	✓					✓		GRI 403 Occupational Health and Safety 職業安全衛生	
6	Anti-Corruption 反貪腐	✓	✓	✓		✓	✓		✓		GRI 205 Anti-corruption 反貪腐	
7	Waste Management 廢物管理	✓	✓	✓	✓	✓	✓	✓	✓	✓	GRI 306 Waste 廢棄物	
8	Disaster and Emergency Planning and Response 災難及應急預案規劃	✓	✓	✓	✓	✓	✓		✓		N/A 不適用	
9	Social Compliance 社會合規	✓	✓	✓	✓	✓	✓	✓	✓		GRI 419 Socioeconomic Compliance 社會經濟法規遵循	
10	Economic Performance 經濟績效	✓	✓	✓	✓	✓	✓	✓	✓		GRI 201 Economic Performance 經濟績效	
11	Rights of the Indigenous Peoples 原住民權利	✓	✓	✓	✓				✓		GRI 411 Rights of Indigenous Peoples 原住民權利	
12	Anti-Competitive Behaviour 反競爭行為	✓	✓	✓		✓	✓		✓		GRI 206 Anti-competitive Behaviour 反競爭行為	

Voice of Stakeholders

持份者聲音

Average stakeholders' rating for the Sustainability Report 2019 of Everbright Water:

持份者對光大水務二零一九年可持續發展報告的平均評分：

9.2 (out of 10)
(10分為滿分)

Average stakeholders' rating for the sustainable development performance of Everbright Water in 2020:

持份者對光大水務二零二零年可持續發展表現的平均評分：

8.9 (out of 10)
(10分為滿分)

Is the engagement of Everbright Water with its stakeholders adequate?

光大水務與持份者的聯繫是否足夠？

100%



Customer

客戶

"Everbright Water has a wide range of business, excellent operation projects and unlimited potential."

「光大水務的業務範圍廣泛，運營項目優良，潛力無限。」



Government

政府

"Everbright Water has done very well with its waste water treatment plants and actively cooperates with the government."

「光大水務在污水處理廠方面做得非常好，並和政府積極配合。」



Employee

員工

"Everbright water continues forging ahead and pursuing excellence."

「光大水務不斷銳意進取，追求卓越。」



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

With the challenges and opportunities brought by climate change and environmental pollution, the Group undertakes the social responsibility of an environmental protection enterprise and actively contributes to the improvement of cities and natural environment by providing high-quality water environment management services. The Group firmly defends the principle of “compliance with discharge standards” and persistently develops a sustainable development plan from the perspectives of environmental protection and compliance. The Group’s projects adopt strict monitoring and management system to effectively minimise the impact of harmful pollutants on the environment and ecosystem. The Group also actively promotes technology R&D and innovation, and constantly explores cutting-edge technologies, aiming to achieve a more effective and stable treatment outcome, facilitate the water ecological conservation and allow citizens to have a higher-quality living and natural environment.

Environmental Management Approach

Following the tightening of environmental protection regulations promulgated and implemented by the Chinese government and the increasing public awareness on environment protection, the Group may face significant changes in terms of regulatory requirements on its operations. Nonetheless, the Group believes that stable compliance and operations can be maintained through establishing and implementing comprehensive environmental management policies and systems, clear responsibilities and division of labour and disclosure of the Group’s environmental performance to the public. These help the Group respond to the latest environmental protection policies and undertake the important responsibility to ensure clean water and promote sustainable development.

面對氣候變化及環境污染帶來的挑戰和機遇，本集團肩負起作為環保企業的社會責任，透過提供優質的水環境綜合治理服務，不遺餘力地為改善城市與自然環境作出貢獻。本集團堅守「達標排放」的原則，堅持從環保合規的角度為本集團勾畫可持續發展藍圖。本集團項目採用嚴謹的監測及管理系統，確保項目有效地將有害污染物對環境生態的影響降至最低。本集團亦積極推動技術研發與創新，持續探索革新科技，務求達到更高效、穩定的處理效能，以促進水生態文明城市建設，讓市民享有更高品質的居住及自然環境。

環境管理方針

隨著中國政府頒佈實施更嚴格的環境保護法規，以及民眾的環保意識日漸增強，本集團業務涉及的監管要求將可能面臨重大變化。本集團深信透過建立和實行完善的環境管理政策及體系、清晰明確的責任與分工，以及為公眾披露本集團的環境表現，能有助本集團在面對愈趨嚴格的環境監管要求時維持穩定合規的運營，並順應最新的環保政策走向，履行除污淨水及推動可持續發展的重要職責。

Policies and Systems

With the full support and guidance of the experienced management team, the Group upholds the sustainable development philosophy 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* of the Group.

政策及體系

在資歷深厚的管理團隊帶領之下，本集團堅持「品質第一、效益優先、規模助力」的可持續發展理念，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 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.

環境管理企業政策 — 該等政策為本集團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及的环境影響提供詳細指引。

Six key areas of the policies:
政策的六大核心：



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

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 bodies and land
向水體及土地的排污

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

Use of raw materials
原材料使用

The Group has established the following commitments to implement the concept of sustainable development:

- Implement the environmental management system
- Environmental protection policies are all approved by the senior management or the Board
- Strictly monitor the Group's environmental performance
- Strive to protect the environment
- Strive to promote environmental awareness
- Effectively utilise natural resources and energy and increase the use of renewable resources and energy
- Strive to reduce the generation of wastes and emissions
- Actively engage with various stakeholders regarding environmental protection topics
- Actively provide reports on environmental matters

In order to effectively implement the Group's environmental management policies and manage the environmental and social impacts brought by each project in a systematic manner, the Group formulated and implemented the ESHS Management System, Risk Management System and "Intelligent Water" Information Management System. The Group continuously enhances the ESHS Management System and Risk Management System, and has implemented the *Contractors ESHS Management Measures* to ensure that suppliers and contractors comply with the Group's environmental management policies. These two management systems provide a comprehensive framework, achieve refined and standardised management and enhanced risk control, so as to facilitate the overall operational efficiency. The Group is also committed to promoting the application of "Intelligent Water" and, during the Reporting Period, published the *China Everbright Water Limited Intelligent Water White Paper* which analyses and discusses the application scenarios and implementation methods of "Intelligent Water" in order to further optimise the application of "Intelligent Water" Information Management System. This system can accurately and effectively manage the entire production cycle of the water system and promote sustainable development of the waste water treatment plants with intelligent technology, achieving the goal of green and low-carbon operations.

本集團為實踐可持續發展理念，訂立了以下承諾：

- 堅決落實環境管理系統
- 環保政策均由高級管理層或董事會許可
- 嚴格監控本集團的環境表現
- 致力保護環境
- 致力推廣環保意識
- 有效地使用天然資源和能源，並增加可再生資源和能源的使用
- 致力減少產生廢物及排放
- 積極與各持份者討論有關環保的議題
- 主動提交環境相關事項的報告

為有效落實本集團的環境管理政策，並規範化管理各個項目環節對環境和社會的影響，本集團制定並落實了ESHS管理體系、風險管理體系及「智慧水務」信息管理體系。本集團持續優化ESHS管理體系和風險管理體系，並制定了《承包商ESHS管理標準》，以確保供應商和承包商遵守本集團的環境管理政策。此兩大管理體系提供了全面的框架，實現精細化及標準化管理，提高風險管控能力，促進提升整體運行效率和效益。本集團亦致力促進「智慧水務」的實踐應用，於報告期內發佈了《中國光大水務有限公司智慧水務白皮書》，分析和探討「智慧水務」的應用場景和實施方法等，完善落實「智慧水務」信息管理體系的進一步應用。該系統精準有效地管理水務系統的整個流程，以智慧科技協助推動污水處理廠的可持續發展，實現環保低碳的運營目標。

The Group upholds the philosophy of responsible and green operations, and attaches much importance to the environmental and social impacts of operation. The Group has 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. 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. 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. In addition, the Group will analyse and evaluate the project's environmental and social risks prior to investment, and will ensure all necessary permits and environmental assessment reports are obtained before the commencement of construction.

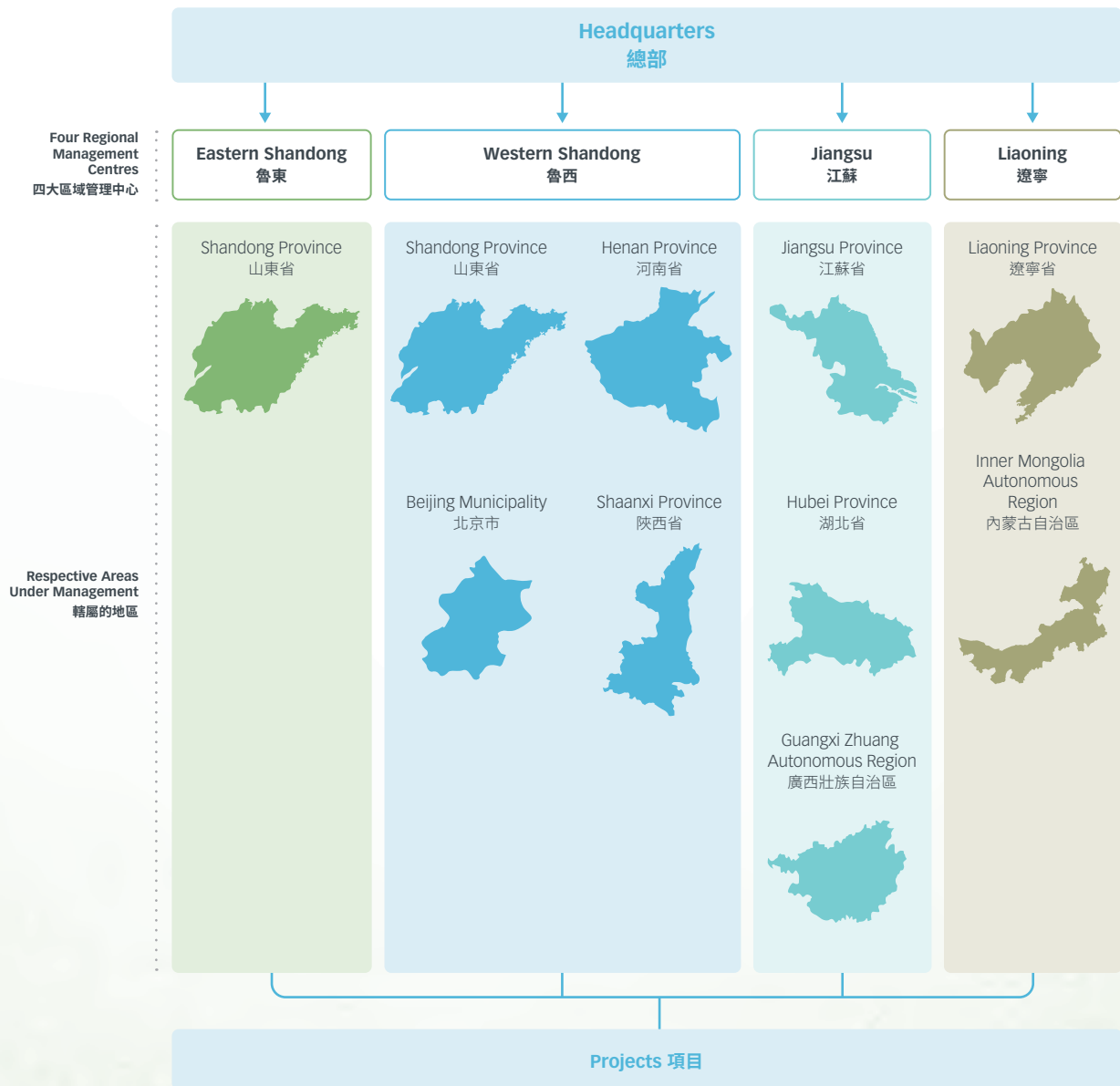
Responsibilities and Division of Labour

Division of labour is key to the effective implementation of environmental management policies, therefore, the Group divides management staff into different layers and clearly stipulates their relevant responsibilities and division of labour. The Group adopts the Headquarters-Regional Management Centres-Projects management approach and sets up Eastern Shandong, Western Shandong, Jiangsu, and Liaoning regional management centres. In addition, the Group sets up safety and environmental management departments at every regional management centre and project company to flexibly deploy resources to suit different projects' needs, fostering regional communications and exchanges. Such measures also greatly improve the efficiency of both environmental management and overall operation, and enhance the overall sense of responsibility and risk prevention ability of the Group.

本集團堅守責任擔當和綠色運營的理念，注重運營對環境和社會的影響。本集團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國際體系管理證書，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。此外，本集團在投資項目之前均會篩查其環境及社會風險，並確保於施工前獲得所需的許可證及環評報告。

責任與分工

有效執行環境管理政策有賴於各層級單位的分工協作，故本集團劃分了不同層面的管理人員，明確訂立其相對應的分工與權責。本集團實施總部—區域管理中心—項目的管理模式，設立了魯東、魯西、江蘇和遼寧四大區域管理中心。本集團在各區域管理中心和項目公司亦設置了安全與環境管理部門，有助根據不同地區的項目特點調動企業資源，增加區域之間的交流，大大改善環境管理效率及整體運行效益，同時更提升本集團整體的責任意識和風險防範能力。



Note: Only projects in operation are managed by the Regional Management Centres while projects in preparatory stage or under construction are managed by the Construction Centre of the Group. Since the individual project located in Zhejiang Province is under construction, that area is not included in the chart.

附註：僅運營項目由區域管理中心管理，籌建項目或在建項目由本集團的工程中心管理。因位於浙江省的個別項目為在建項目，此圖表並不包括該地區。

Environmental Disclosure

The Group strives to provide the public with transparent, reliable and comprehensive environmental information associated with its project operations, such as environmental impact assessment reports, annual environmental monitoring plans, environmental emergency preparedness and response plans, waste water/air/noise monitoring results, etc. Everbright Water also uploads such information to its corporate website or the relevant local official websites. Meanwhile, the Group actively opens its waste water treatment facilities for public scrutiny in response to the requirement of 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 the Environmental Protection Facilities Opening Plan of the Group.

Environmental Performance

As a leading water environment management enterprise in China, the Group ensures the operational and environmental performance of its projects by strictly following the relevant standards and requirements in the environmental impact assessment reports. The Group also takes into consideration the expectations of surrounding communities and adopts appropriate alleviation measures to resolve the “Not In My Back Yard Syndrome”. In addition, the Group selects suitable waste water treatment processes to continuously improve the quality and hygiene of freshwater resources in China and substantially reduce the environmental impacts brought by untreated waste water discharge, thereby upholding the principle of “compliance with discharge standards”. During the Reporting Period, there was no record of breach of the relevant laws and regulations that would have a significant impact on the Group. In view of its diverse business nature, the Group reported its environmental performance in the following seven aspects:

環境披露

本集團致力向公眾披露運營管理的透明、可靠及全面的項目運營環境信息，如環評報告、年度環境監測計劃、突發環境事件應急預案、廢水/廢氣/噪聲監測結果等。該等信息也被上載於光大水務網站或當地官方指定網站上供公眾查閱；同時，為了積極響應中華人民共和國（「中國」）生態環境部和住房和城鄉建設部要求，本集團實行環保設施整體開放計劃，將污水處理設施向公眾開放，主動接受社會及公眾的監督。

環境表現

作為中國領先的水環境綜合治理企業，本集團旗下項目的運營和環境表現嚴格參照相關標準及環境影響評估報告的要求，將周邊社區的期望納入考慮，採取充分、適當的緩解措施以化解「鄰避效應」。本集團選用合適的污水處理工藝，持續改善中國的淡水資源品質和衛生狀況，大幅減少污水直排帶來的環境影響，堅守「達標排放」的原則。報告期內，本集團沒有因違反這些法律法規而造成重大損失和影響的記錄。根據其多樣性的業務性質，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
	Energy and Material Usage 能源及物料使用		Utilisation of Water Resources 水資源使用
			Climate Resilience 氣候變化的抗禦能力

Waste Water Treatment and Discharge Monitoring

Through the nationwide and mature water sector network of its project companies, the Group focuses on the development of various business areas, including “Intelligent Water” development, upgrading of water resources protection measures, construction of sludge treatment and disposal facilities and quality enhancement of municipal waste water pipeline network. The Group continues to improve the environmental and hygiene conditions of water bodies in China, with majority of its projects complying with or better than Grade 1A standard of the *Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002)*. The projects greatly minimise the environmental damage caused by waste water discharge and protect the health and well-being of the public.

Waste Water Treatment Process and Performance Indicators

In order to ensure clean water and comply with discharge standards, Everbright Water adopts a series of waste water treatment technologies to remove water pollutants through physical, chemical and biological processes. The Group’s waste water treatment projects mainly include pre-treatment, primary treatment, secondary treatment and tertiary treatment. Pre-treatment removes solid wastes in the waste water via screening and degritting. Primary treatment removes settleable suspended solids from the waste water through sedimentation. Chemicals are added during the sedimentation process to enhance the removal efficiency. This treatment process can reduce SS, COD and biological oxygen demand (“**BOD**”). Secondary treatment is a biological treatment process in which the organic pollutants are decomposed by micro-organisms. Such process can remove SS, COD and BOD, and achieve the removal of nitrogen and phosphorus. Tertiary treatment is the highest level of treatment that suppresses the organic pollutants, SS and nutrients through UV radiation, chlorination/de-chlorination or other post-treatment waste water disinfection means.

污水處理與出水監測

本集團通過遍佈全國的項目公司建設成熟的水務行業網絡，針對「智慧水務」建設、水資源安全保護措施升級、污泥處理處置設施建設、城鎮污水管網提質等業務發展，本集團持續提升中國水體狀況及其衛生標準，大部分項目的出水水質執行或優於《城鎮污水處理廠污染物排放標準》(GB18918-2002)的一級A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。

污水處理流程及表現指標

為達致除污淨水及達標排放，光大水務採用了一系列的污水處理技術，利用物理、化學及生物過程除去污水中的污染物。本集團的污水處理項目主要包括預處理、一級處理、二級處理及三級處理。預處理透過隔篩及除砂過程移除污水中的固體廢物。一級處理使用沉澱過程去除污水中可沉澱的懸浮固體，沉澱過程中可加入藥劑以強化去除污染物的效果。此處理程序可減少污水中懸浮固體、COD及生化需氧量（「**生化需氧量**」）。二級處理為生物污水處理程序，利用微生物清除污水中的有機污染物，可去除污水中懸浮固體、COD及生化需氧量，並達到脫氮除磷的效果。三級處理是最高水平的污水處理程序，利用紫外線、加氯/除氯處理或其他方法為處理後的污水消毒，將污水中的有機污染物、懸浮固體和營養物減至極低水平。

The performance indicators of the Group's waste water treatment projects are listed below: 以下為本集團的污水處理項目表現指標：

Unit: Tonne
單位：噸

Screenings removed from waste water 從污水中移除的隔濾物量	11,310.81
Grits removed from waste water 從污水中移除的沙礫量	9,996.67
Suspended solids (SS) removed from waste water 從污水中移除的懸浮固體量	295,102.77
Biochemical oxygen demand (BOD) removed from waste water 從污水中移除的生化需氧量	155,475.61
Total phosphorus (TP) removed from waste water 從污水中移除的總磷量	6,693.41
Total nitrogen (TN) removed from waste water 從污水中移除的總氮量	41,566.22
Ammonia nitrogen (NH ₃ -N) removed from waste water 從污水中移除的氨氮量	approximately 約 43,647.17

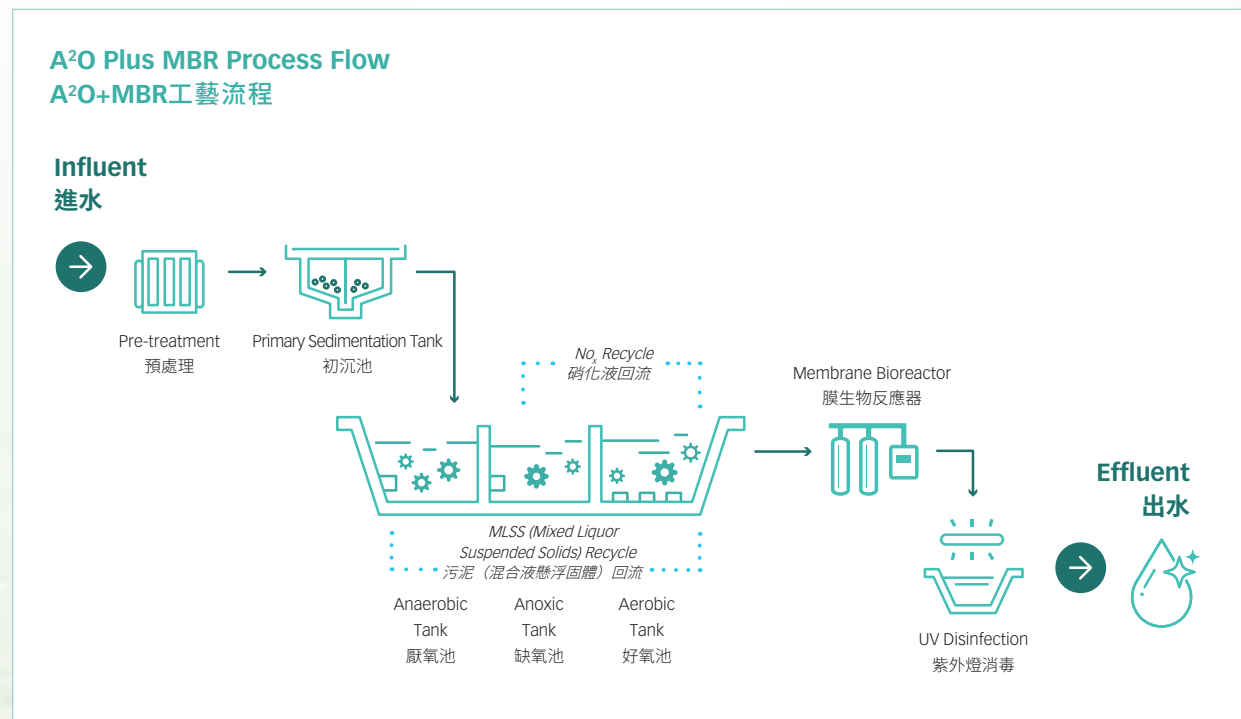


Improving Discharge Standards: Anaerobic-Anoxic-Aerobic (“A²O”) Process and Membrane Bioreactor (“MBR”)

提升出水標準：厭氧-缺氧-好氧法（「A²O」）工藝+膜生物反應器（「MBR」）

Ji’nan Waste Water Treatment Project 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 in a contest on municipal waste water treatment projects located in 36 medium- and large-sized cities, which was launched by the Ministry of Housing and Urban-Rural Development of the PRC. Apart from the expansion projects for the Ji’nan Waste Water Treatment Plants 1 and 2 in 2018, both Ji’nan Tangye New Area Waste Water Treatment PPP Project and Ji’nan East Station Area Underground Waste Water Treatment Project, which commenced operation during the year under review, adopt the process of pre-treatment, anaerobic-anoxic-aerobic (“A²O”), membrane bioreactor (“MBR”) and UV disinfection, so as to improve the discharge standards and stability. The A²O plus MBR technology combines the merits of A²O and MBR processes, so that nitrogen, phosphorus and other main pollutants can be effectively removed.

濟南污水處理項目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」，並獲得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。除二零一八年濟南污水處理項目一廠、二廠的擴建項目外，回顧年度內投入運營的濟南唐冶新區污水處理PPP項目及濟南東站片區地下污水處理項目，均採用了預處理+「厭氧-缺氧-好氧法」（「A²O」）工藝+膜生物反應器（「MBR」）+紫外線消毒，以提高出水標準及穩定性。A²O +MBR技術把A²O技術與MBR技術結合，使彼此優點相互配合，能夠同時脫氮除磷，並有效去除污水中的主要污染物質。



Everbright Water's Measures on Effluent Quality Control
光大水務在控制水質方面的舉措



Continuous Effluent Monitoring System

持續出水監測系統

All of the Group's waste water treatment projects have 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公正的檢測程序得出，本集團旗下每一間項目公司均聘請第三方化驗所定期檢測出水樣本。

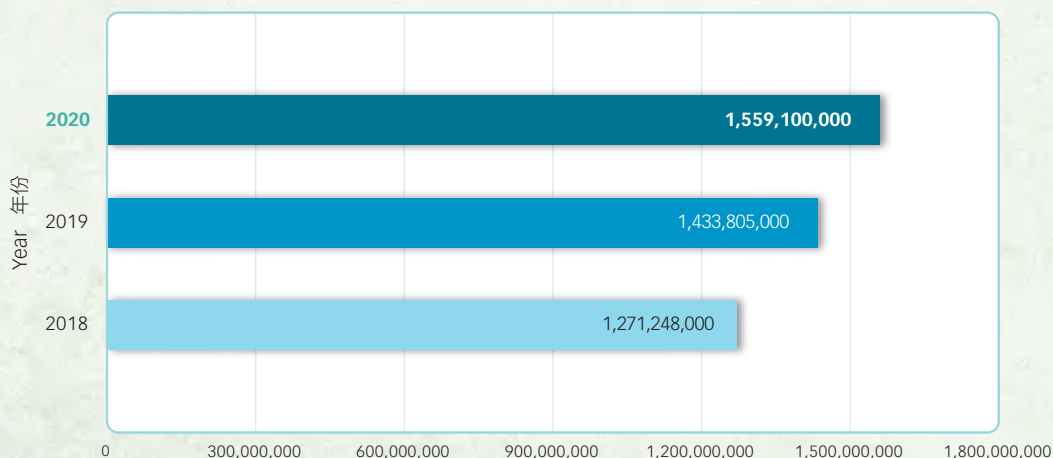
In 2020, the Group treated an aggregate of approximately 1,559,100,000 m³ of waste water and reduced an aggregate of approximately 339,000 tonnes of COD.

二零二零年，本集團共處理約1,559,100,000立方米污水，同時減少了約339,000噸的COD排放。

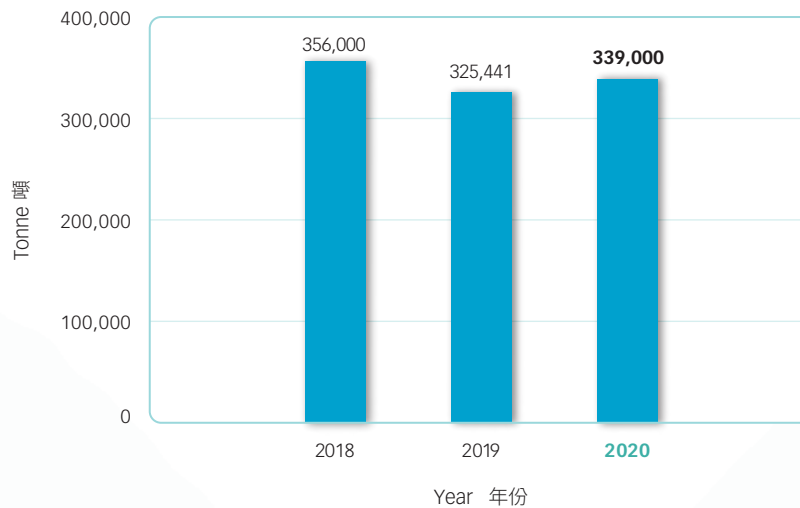
In 2020, the Group's reusable water projects produced an aggregate of approximately 24,330,000 m³ of reusable water.

二零二零年，本集團的中水回用項目共生產了約24,330,000立方米的回用水。

Waste Water Treated in the Past Three Years (Unit: m³)
過往三年的污水處理量（單位：立方米）



COD Reduction in the Past Three Years
過往三年的COD減排量



Odour Control

The Group appoints third-party laboratories to regularly test the air emissions to ensure its waste water treatment projects strictly comply with *Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002)*, *Emission Standards for Odor Pollutants (GB14554-93)* or equivalent standards, including ammonia (NH₃), hydrogen sulphide (H₂S), ozone (O₃), methane (CH₄), etc. The Group utilises new biological deodorisation technologies to reduce odour released from waste water treatment plants. The new biological deodorisation technologies can adjust the processing parameters in response to different types of odourous gases, making the plants more environmentally friendly.

氣味控制

本集團聘請第三方化驗所定期檢測旗下項目的大氣污染物排放，包括氨、硫化氫、臭氧濃度及甲烷等，以確保污水處理項目嚴格遵守《城鎮污水處理廠污染物排放標準》(GB18918-2002)、《惡臭污染物排放標準》(GB14554-93)或同等標準中的大氣污染物排放要求。本集團利用新型生物除臭系統減少污水處理廠所釋放出的氣味，新型生物除臭系統能根據不同類型的氣體參數調整處理，使工廠更加高效環保。

Sludge Treatment

Apart from strictly adhering to the national standards such as *Discharge Standard of Pollutants for Municipal Wastewater Treatment Plant (GB18918-2002)*, 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 *Environmental, Health, and Safety Guidelines for Water and Sanitation*, and has been regularly submitting monitoring reports to IFC since 2016, so as to reduce environmental impacts of sludge treatment and disposal.

Sludge Treatment Process

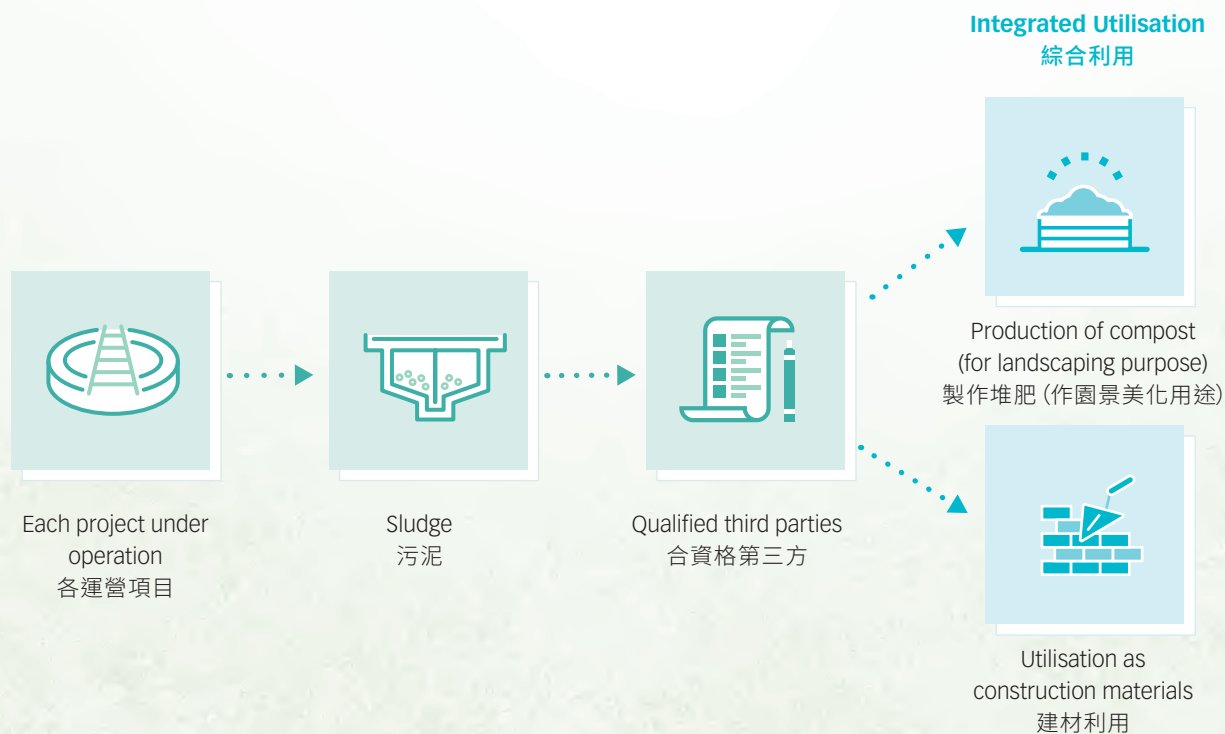
Most of the treated sludge with satisfactory testing results is sent to qualified third parties for further treatment, reuse and/or integrated utilisation, such as incineration, landfill, production of compost, utilisation as construction materials, etc.

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，本集團積極按照世界銀行集團《環境、健康和安全管理指南》及《水與衛生環境、健康與安全指南》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，以減少污泥處理與處置對環境的影響。

污泥處理流程

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，如焚燒、填埋、製作堆肥、建材利用等。



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

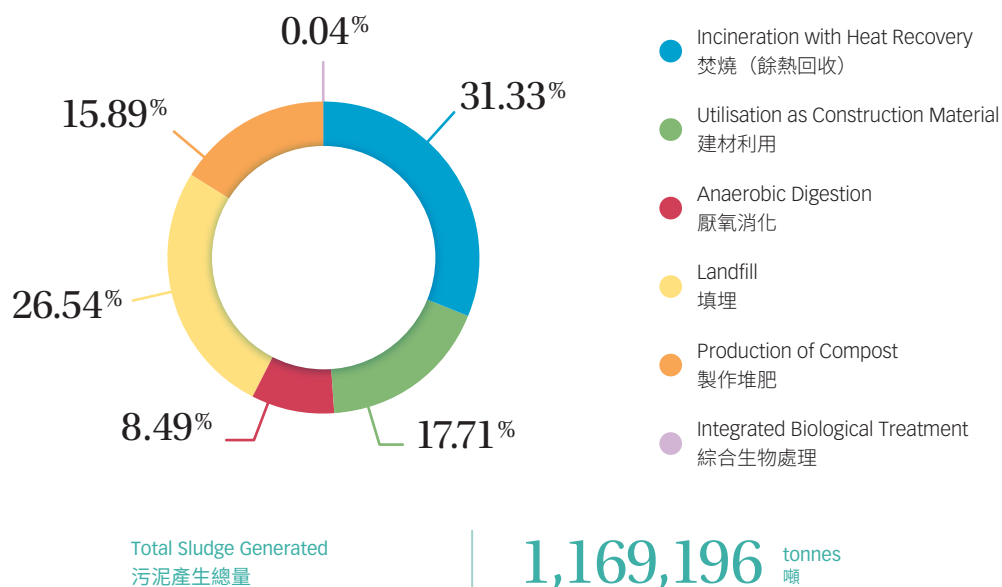
少數無法進行綜合利用的污泥則會先進行脫水以減少含水量及體積後再送至焚燒爐作焚燒或至指定填埋場作填埋處理。

The Group continues to promote technology R&D and innovation, and actively brings in professional technology talents, transformation of scientific and technological achievements and project applications, upholding “Technology-Driven Development” and achieving significant breakthrough in the low-temperature sludge drying technology. This technology can effectively reduce sludge weight by 60% and it is believed that high efficiency and stability of sludge treatment could be the leading-edge technologies for the water sector. As such, the Group will continue exploring low-cost and efficient sludge treatment and comprehensive utilisation technologies (such as protein and phosphorus recovery technologies), further promoting the water industry towards sustainable development.

本集團持續推動技術研發與創新，積極引進專業技術人才、推動技術成果轉化及項目應用，堅持「科技引領發展」，在污泥低溫乾化技術上取得重大突破。該技術能有效將污泥重量減少60%，污泥的高效和穩定處理必定會成為領先水行業的革新技術，因此本集團將繼續探索更低成本、更高效的污泥處理和綜合利用技術（如蛋白質和磷回收技術），務求進一步推動水務行業的可持續發展。

In 2020, the Group generated a total of approximately 1,169,196 tonnes of sludge.
二零二零年，本集團共產生了約1,169,196噸污泥。

**Sludge Generated from Waste Water Treatment Projects in 2020:
Ultimate Treatment/Disposal by Third Parties**
二零二零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



In order to promote the concept of sustainable waste management to the downstream of its value chain, the Group hires qualified third parties for further treatment of the sludge produced by its project companies, ensuring that the sludge treatment and disposal process complies with the national environmental laws and regulations. Majority of the sludge treatment techniques incorporate re-circulation measures to enhance energy recovery and material reuse to further promote sustainable waste management.

Waste Management

The Group upholds the concept of recycling and reusing, which is widely practised in the Group's operational facilities, offices and dormitories, etc. The Group recycles wastes such as paper, metal, plastics, food waste, and actively encourages employees to reduce waste at source, with an aim to implement its philosophy of optimising limited resources by taking solid actions and promote sustainable waste management. The Group monitors various waste data through the on-site weighbridge that is regularly calibrated, and properly records it in the monthly production or environmental reports. At the same time, the Group only hires qualified downstream contractors and recyclers. All general wastes are handled by dedicated external waste collectors and recyclers to ensure that waste is legally and properly handled. In order to ensure proper handling process of downstream waste contractors or recyclers, the Group closely monitors the delivery records for the wastes collected, for example via trip-ticket system.

本集團把可持續廢棄物管理理念推廣至價值鏈下游。本集團僱用合資格第三方進一步處理項目公司所產生的污泥，確保污泥處理及處置流程遵循國家環保法規。大部份的污泥處理技術更包含循環措施，能夠達致能源回收及物料再生利用，推動可持續廢棄物管理。

廢物管理

本集團秉承回收及重用的概念，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，並積極鼓勵員工源頭減廢，務求以實際行動貫徹善用有限資源的理念達致可持續廢物管理。本集團透過廠內定期校正的磅橋監察各類廢棄物的數據，並妥善紀錄在月度生產或環境報告內。同時，本集團只會僱用合資格的下遊承包商或回收商，所有一般廢物均由專責的外部廢物收集商和回收商處理，以確保廢棄物獲合法、妥善處理。為確保下游廢物承包商或回收商有妥善的處理手法，本集團密切監視廢物的交付記錄，例如透過運載記錄制度。

In 2020, the Group recycled a total of 9,546.20kg of office waste.
二零二零年，本集團的辦公室廢棄物回收總量為9,546.20公斤。

Office Waste Recycling Statistics in 2020 (Unit: kg)

二零二零年辦公室廢棄物回收量統計(單位：公斤)



958.00
Waste Paper
廢紙



28.00
Metal
金屬



197.40
Plastics
塑料



55.00
Glass
玻璃



133.00
Electrical Appliances
電器



1.80
Rechargeable Batteries
充電池



8,120.00
Food Waste
廚餘



47.00
Old Clothes
舊衣物



6.00
Others
其他

Total Waste Recycled
廢棄物回收總量

9,546.20 kg
公斤

Enhance Cities' Resilience Against Climate Change

As consequences of climate change, the global temperature rises, acute hazards such as heat waves, floods and extreme weather occur more frequently; and chronic hazards such as drought, rising sea levels and resource depletion intensify. To improve the projects' resilience against climate change, the Group has included climate change risk 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 raw water protection, municipal waste water treatment, industrial waste water treatment, water supply, reusable water, and sludge treatment and disposal projects have effectively relieved the pressure on urban water supply and substantially minimised the impact of harmful substances on the aquatic and terrestrial ecosystems. Through establishing systems for controlling surface runoff and relieving pressure on urban river channels, the Group's river-basin ecological restoration projects enhance the ecological environment, and hence improve the cities' flood prevention ability.

The concept of "Sponge City" was first proposed in *2012 Low-Carbon Urban Development and Technology Forum*, aiming to achieve flood prevention through effective control of rainwater runoff. The Group's "Sponge City" project aims to improve a city's ability in absorption, infiltration, retention, release and purification of rainwater, and to strengthen the function of the ecosystem in the city through systems that can effectively control surface runoff and relieve pressure on urban river channels. The Group's Zhenjiang Sponge City Project fully implements the "Sponge City" concept in practice, through the integration of a series of water storage tanks, rainwater pump 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.

提升城市應對氣候變化的抗禦能力

全球氣候變化導致全球暖化，熱浪、洪水及極端天氣等急性自然災害將日趨頻密；乾旱、海平面上升及資源枯竭等慢性自然災害也將日益嚴重。為提升項目的氣候變化復原力，本集團更將氣候變化風險納入現有的風險管理體系中，以制定更完善的緊急與自然災害應變方案。

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。本集團的原水保護、市政污水處理、工業廢水處理、供水、中水回用及污泥處理處置項目可有效緩減城市供水壓力，並將有害污染物對水體和陸上生態的影響降至最低。流域治理項目則透過建立控制表面徑流和防洪排澇的系統，創建更優質的生態環境，整體加強城市應對水患的抗禦能力。

在《二零一二低碳城市與區域發展科技論壇》中，「海綿城市」的概念被首次提出，以有效控制雨水徑流，達致防洪作用。本集團的「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。本集團的鎮江海綿城市項目全面貫徹「海綿城市」的理念，項目內容包括建立一系列調蓄池、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。

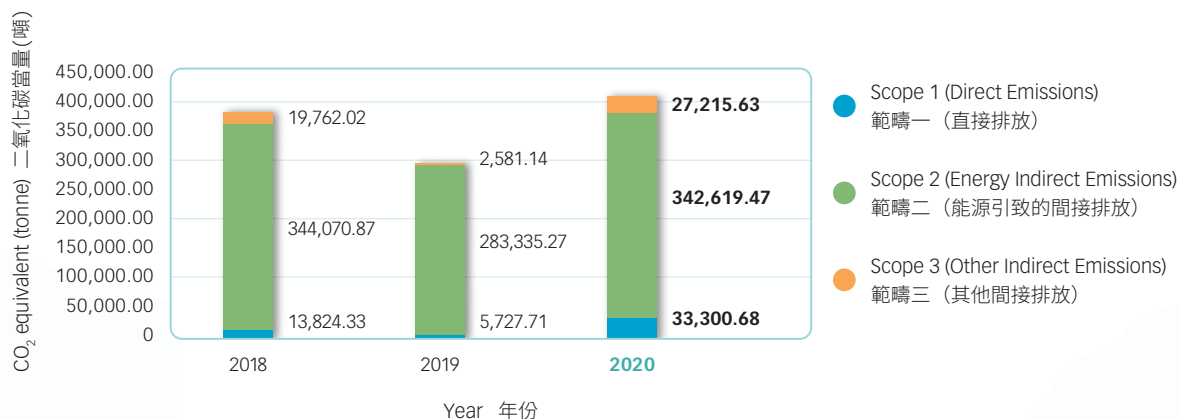
In order to accurately calculate the GHG emissions of operating waste water treatment projects, the Group continues to use the GHG emissions calculation methodology of CDM under the *United Nations Framework Convention on Climate Change (UNFCCC)* during the Reporting Period. This methodology provides reliable GHG emissions data to the Group's stakeholders by disclosing the types, quantities and scopes of GHG. In addition, the Group also calculates the GHG emissions offset of its operating projects using the following methodology:

- Utilising biogas generated from sludge anaerobic digestion for electricity generation: CDM methodology is used to compare the GHG emissions emitted from biogas electricity generation of waste water treatment plants and fossil fuel power plants, in order to calculate the Group's carbon dioxide ("CO₂") equivalent emissions offset.
- Reducing nitrous oxide released from effluent through waste water nitrogen removal treatment process: The emission of nitrous oxide from waste water discharge depends on the nitrogen concentration of waste water. As such, GHG emissions offset can be attained through the reduction of nitrogen concentration as a result of waste water nitrogen removal treatment process. The Group also complies with *2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories* to estimate nitrous oxide emissions of the treated and untreated waste water, so as to calculate the GHG emissions offset achieved by waste water nitrogen removal treatment.
- 為更準確地計算運營污水處理項目所排放的溫室氣體，本集團於報告期內持續採用《聯合國氣候變化框架公約》中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，本集團亦計算了運營項目所抵銷的溫室氣體排放量，方法如下：
- 利用污泥厭氧消化產生的沼氣發電：使用CDM的方法，估算和比較污水處理廠利用沼氣發電及以化石燃料電廠發電的溫室氣體排放量，從而計算本集團的運營所抵銷的二氧化碳（「二氧化碳」）排放量。
- 透過污水除氮處理工藝減少從出水中釋放的氧化亞氮：污水出水的氧化亞氮排放量取決於污水的氮含量，因此透過污水除氮處理工藝降低出水的氮含量，能夠達到溫室氣體抵銷。本集團按照《IPCC 2006年國家溫室氣體清單指南2019修訂版》，估算經過處理及未經處理污水的氧化亞氮排放，從而計算污水經過除氮處理所抵銷的溫室氣體排放量。

**In 2020, the Group's operating projects offset a total of
93,967.65 tonnes of CO₂ equivalent emissions.**

二零二零年，本集團的運營項目共抵銷了93,967.65噸二氧化碳當量排放。

GHG Emissions by Scope in 2020
二零二零年按範疇劃分的溫室氣體排放



Notes:

- (1) 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)*.
- (2) The calculation of scope 1 emissions covers all of the operating waste water treatment projects' fugitive methane emissions, nitrous oxide emissions from biological treatment process and direct emissions released from the direct use of fuel. In order to further improve the calculation of GHG emissions, emissions from biological treatment and direct emissions from the direct use of fuel are newly included in the scope 1 emissions for the year under review.
- (3) The calculation of scope 2 emissions includes the indirect emissions from purchased energy consumption. The calculation boundary of scope 2 emissions covers all the waste water treatment projects, reusable water projects, waste water source heat pump projects, sludge treatment and disposal projects, water supply projects, leachate treatment project and water environment management projects that were under construction and operation.
- (4) The calculation of scope 3 emissions includes fuel consumption for the transportation of sludge by third parties, indirect emissions from air travel by employees and nitrous oxide released from effluent. GHG emissions from air travel are calculated by using International Civil Aviation Organization Carbon Emissions Calculator. Nitrous oxide released from effluent is newly included in the scope 3 emissions for the year under review.

附註：

- (1) 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）》。
- (2) 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、生物處理過程中的氧化亞氮排放及經直接使用燃料而產生的直接排放。為進一步完善溫室氣體排放量的估算，生物處理過程及直接使用燃料的相關排放於回顧年度被新納入範疇一的直接排放。
- (3) 範疇二的計算為經使用外購電力而產生的間接排放。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、污水源熱泵、污泥處理處置、供水、滲濾液處理項目與水環境治理項目。
- (4) 範疇三的計算包括第三方運送污泥時的燃油消耗、員工飛機差旅的間接排放及從出水中釋放的氧化亞氮。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。從出水中釋放的氧化亞氮於回顧年度被新納入範疇三の間接排放。

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

Climate Change Risks and Opportunities

The Group analyses its climate-related risks and opportunities in accordance with the framework and suggestions published by the Task Force on Climate-Related Financial Disclosures ("TCFD"). The potential financial impacts from climate-related risks are taken into consideration as part of the Group's overall operation, with assessment of all risk factors at different levels and suggestions for feasible strategies. The Group adopts the methodology recommended by TCFD, including provision of description on the process of identification and assessment of relevant risks, formulation of organisational management for climate-related issues, etc.

本報告披露於處理污水時消耗電力所致的溫室氣體排放的排放因子及溫室氣體排放強度因子，旨在促進客戶報告其因處理污水所致的溫室氣體排放。該數據可在本報告第十二章「主要數據」中取得。

氣候變化風險和機遇

本集團參照氣候相關財務信息披露工作組 (Task Force on Climate-Related Financial Disclosures, 「TCFD」) 的框架及建議，分析本集團正面對的氣候相關風險及機遇，把其對財務造成的潛在衝擊納入本集團整體運營考量，評估各個風險因子的等級，並且對可行的策略規劃提出建議。本集團採用與TCFD披露建議一致的做法，包括描述組織識別和評估氣候相關風險的過程，描述組織管理與氣候有關的過程等。



Major Climate-Related Risks

主要氣候相關風險

Categories 類別	Main Risks 主要風險	Potential Financial and/or Operational Impacts 潛在財務及/或運營影響	Management Measures 管理方針
<p>Policy Changing Risk 政策變動風險</p>	<p>Carbon tax, fuel/energy tax, volume and trading control 碳稅、燃料 / 能源稅、總量管制與交易</p> <p>Affected by regulatory authorities' restrictions on GHG emissions or mandatory carbon trading 受到監管部門關於溫室氣體排放的限制及 / 或者強制碳交易的影響</p>	<ul style="list-style-type: none"> Increase operating cost 增加運營成本 	<ul style="list-style-type: none"> Strengthen communication with various regulatory authorities, and actively adjust business practices in response to changes in prevailing regulations and policies 加強與各監管部門的溝通聯繫，及時應法規和政策變化作主動業務調整 Conduct additional research when necessary to identify carbon emission hot spots within waste water treatment processes, in order to explore the feasibility of peaking carbon dioxide emission and achieving carbon neutrality 按需展開額外研究，以認清污水處理流程中的碳排放熱點，探討碳達峰、碳中和的可能性
	<p>Sustainability/ESG reporting 可持續發展/環境、社會及管治報告披露</p> <p>The SEHK, major international guidelines for sustainability reports, institutional investors and ESG rating agencies have been increasing their expectations on climate-related information disclosure, including the estimation of GHG emission, adaptation and mitigation plans for tackling climate-related risks 聯交所、國際上主要的可持續發展報告指引、機構投資者及環境、社會及管治評分機構正在不斷提高他們對氣候相關資料披露的期望，當中涵蓋溫室氣體排放的估算、應對氣候相關風險的適應與減緩計劃</p>	<ul style="list-style-type: none"> Increase operating cost 增加運營成本 	<ul style="list-style-type: none"> Appoint experts to propose an appropriate disclosure approach in accordance with the relevant requirements, carry out further research as and when needed and further improve its GHG emission calculation methodologies and disclosure framework by making reference to the latest international standards 委聘專家研究各方要求並作出相應披露。按需展開額外研究，參考最新的國際標準，完善溫室氣體排放估算方法及披露框架

Categories 類別	Main Risks 主要風險	Potential Financial and/or Operational Impacts 潛在財務及/或運營影響	Management Measures 管理方針
Technological and Innovation Risk 科技與創新風險	<p>More advanced technologies are needed to meet the increasingly stringent decarbonisation requirements 需要採用更先進的科技以符合日益嚴格的減碳要求</p>	<ul style="list-style-type: none"> Increase operational cost 增加運營成本 R&D expenditures in new and alternative technologies 新型和替代型技術研發支出 Capital investments in technology development 技術開發的資本投資 	<ul style="list-style-type: none"> Promote scientific and technology R&D, actively attract and hire technical experts, promote the transformation of technological achievements and project applications, persist on "Innovation-Driven Development" 推動科技研發與創新，積極引進專業技術人才、開展自主技術研發、推動技術成果轉化以至項目應用，堅持「創新引領發展」
Physical Risks 物理類風險	<p>Extreme Weather 極端天氣 Natural disasters caused by climate change and extreme weather events (including rainstorm, flooding, typhoon, thunder, sandstorm, etc.) 氣候變化和極端天氣事件 (如暴雨、洪水、颱風、雷暴、沙塵暴等) 引致的自然災害</p>	<ul style="list-style-type: none"> Increase operational cost 增加運營成本 Reduce productivity or suspend operation (e.g. unplanned closure, transportation difficulties, disruption to supply chain) 產能下降或停運 (如非計劃停運、運輸困難、供應鏈阻礙) Impact on labour management and organisation (e.g. health, safety, absence) 影響勞動力管理和規劃 (如健康、安全、缺勤) 	<ul style="list-style-type: none"> Carry out specific precautionary measures to tackle extreme weather events such as rainstorm and strong wind 對暴雨、強風等極端天氣事件提前採取針對性管控措施 Implement measures to enhance the climate-related risk awareness across all levels of the Group 落實提升本集團上下對氣候相關風險意識的措施

Energy and Material Usage

In pursuing the goals of “Peaking Carbon Dioxide Emission and Achieving Carbon Neutrality”, recovery of energy from waste water is essential to maximise resource utilisation. Everbright Water continuously initiates the concept of green operation and focuses on energy saving in the waste water treatment process. During operation and construction period, the Group reduces unnecessary resource consumption and actively explores more energy-saving solutions, such as organising energy-saving competitions among project companies and utilising methane produced from sludge digestion to generate electricity for internal use, to reduce the consumption of non-renewable energy. As the demonstration projects in energy saving, the Group’s waste water source heat pump projects extract thermal energy from the organic materials in waste water to provide heat service for the surrounding buildings in winter.

To implement a long-lasting and sustainable strategy on resource management, each of the Group’s project companies keeps detailed monthly records for its energy and key materials usage, and such records are compiled and submitted to the regional management centres for compilation. The Group can adjust the use of energy and materials accordingly through analysing the resource usage of each aspect.

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

能源及物料使用

朝着「碳達峰、碳中和」的目標邁進，回收利用污水中的能源是提高資源利用效率的重要手段。光大水務持續倡導綠色運營的理念，注重在污水處理過程中節能減排，在運營和建設期間減少不必要的資源消耗並積極探索更多節能方案，如在項目公司層面舉辦節能比賽和利用污泥消化過程中產生的甲烷進行發電供廠內使用，減少消耗非再生能源。本集團的污水源熱泵項目透過提取蘊藏於污水有機物內的熱能，為周邊建築提供冬季供暖服務，是環保節能示範工程。

為配合制定長遠及可持續的資源管理策略，本集團的各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。本集團能透過分析各層面的資源利用情況，繼而對能源和物料使用做出相應的調整。

本集團更提倡綠色低碳工作模式，鼓勵員工採用節能措施，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 2020, the Group consumed energy in total of 2,039,042.89GJ.

二零二零年，本集團共耗用2,039,042.89吉焦能源。

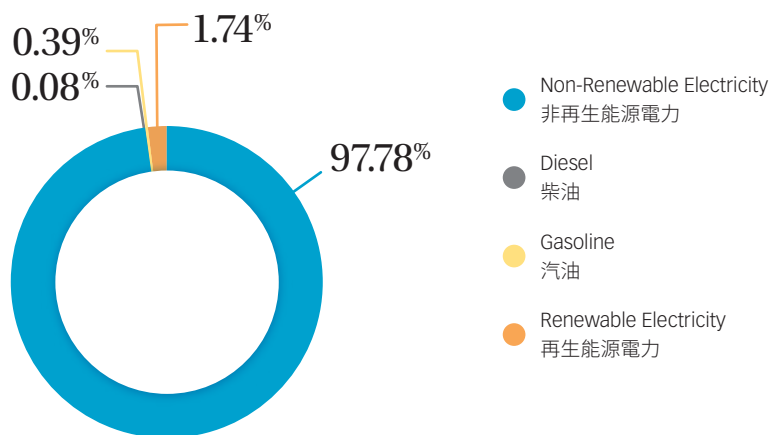
Energy-Saving Measures

- Adopt an intelligent equipment automation management and control system to monitor the equipment's operating status, accident status, energy consumption and load changes
- Optimise design of power distribution system according to the power load in different periods of time to ensure that the voltage transformer runs at its best operating load rate
- Estimate fluctuations in daily water flow through analysis of historical influent flow and actual production status of the facility. In addition, terrain is taken into account to ensure that rising of waste water is well controlled, thus saving energy by maintaining a reasonable liquid level within the pumping station
- Improve street lamp network and alter the control method to time-controlled with auto-switch

節能措施

- 採用智能化的設備和自動化管理控制系統，掌握設備的運轉狀態、事故狀態、能耗和負荷的變動
- 根據不同時段的用電負荷優化設計配電系統，使變壓器在最佳負載率時運行
- 通過以往進水水量分析，結合設施實際生產情況，預判每日水量的變化情況，利用污水處理地形，控制污水提升高度，保證泵房液位在合適區間以減少能耗
- 對道路照明線路進行優化，控制方式改為時間控制自動啟停

Direct Energy Consumption Statistics of Projects Under Construction and in Operation in 2020
二零二零年各在建及運營項目的直接能源消耗統計



Note:

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

附註：

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。

Key Materials Consumption Statistics of Operating Projects in 2020
二零二零年各運營項目的主要物料使用統計

Unit: Tonne
單位：噸

pH adjustment 酸鹼調整 23,414.15	Coagulant & flocculant 凝結劑及絮凝劑 145,506.25	Disinfectant 消毒劑 18,898.22	Chemical oxidiser 化學氧化劑 21,388.87
Carbon source 碳源 117,261.47	Biological treatment 生物處理 19.29	Others 其他 9,278.84	

Note:

Including the key materials consumption from municipal waste water treatment projects, industrial waste water treatment projects, leachate 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、滲濾液處理項目及中水回用項目。

Utilisation of Water Resources

The Group actively undertakes social responsibility and adapts to changes according to the national policies on water conservation. The Group reduces the use of freshwater and the water consumption of its projects through water re-circulation, so as to promote optimisation of water usage; in the areas under high water stress, the water conservation measures are more stringent. During the year under review, the re-circulating water usage in the Group's operating waste water treatment projects and reusable water projects accounted for 83.83% of the total water use. The Group's freshwater usage is mainly sourced from its own re-circulation system, followed by municipal water supply utilities and underground water supply. All freshwater is generally used for conventional industrial use within the waste water treatment plants.

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, firefighting, etc.

水資源使用

本集團積極履行社會責任，密切跟進國家的水政策變化，透過利用循環用水來減少淡水的的使用需求和項目耗水，致力推廣善用水資源；在高用水壓力的地區，節水措施亦相應更嚴格。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用水量佔總用水量的83.83%。本集團取用的淡水主要源自循環水，其次為市政供水及地下水，而所取用的淡水一般用作污水處理廠內工業用途。

此外，本集團高效的污水處理項目亦生產再用水以作其他用途，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.
為了減少淡水需求，將水盡可能在污水處理系統內循環使用。

12,118,640.00 m³
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, firefighting, 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。

22,296,442.53 m³
立方米

In order to contribute towards water conservation and management, the Group will continue to explore and enhance its projects' water use efficiency through increasing the use of re-circulating and reclaimed water, and any other water conservation measures, including technological transformation of the polyacrylamide (PAM) dosing system to utilise reusable water for dilution of reagents.

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.

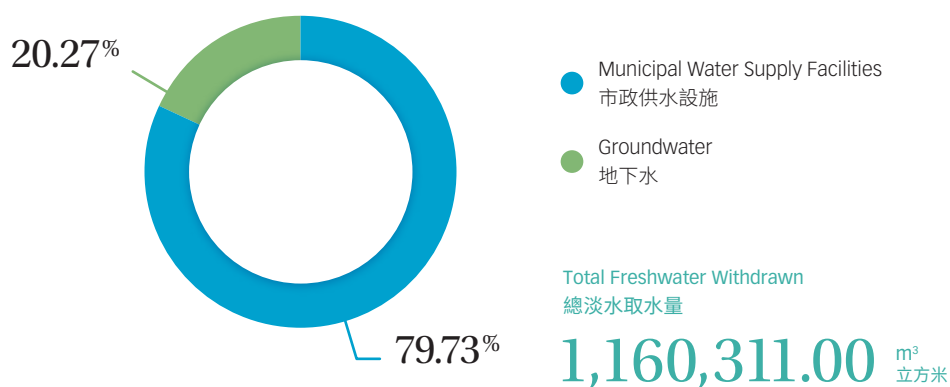
本集團將透過增加使用循環水及再用水，或其他節約用水的手段，包括將聚丙烯酰胺 (PAM) 加藥系統技術改造為使用回用水稀釋藥劑，探索進一步提高項目用水效益的可能性，為水資源保護和治理作出貢獻。

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 2020, the Group's reusable water projects produced approximately 24,330,000 m³ of reusable water.

二零二零年，本集團的中水回用項目共生產了約 24,330,000 立方米的回用水。

Freshwater Withdrawal Statistics of Projects in Operation in 2020
二零二零年各運營項目的淡水取水統計



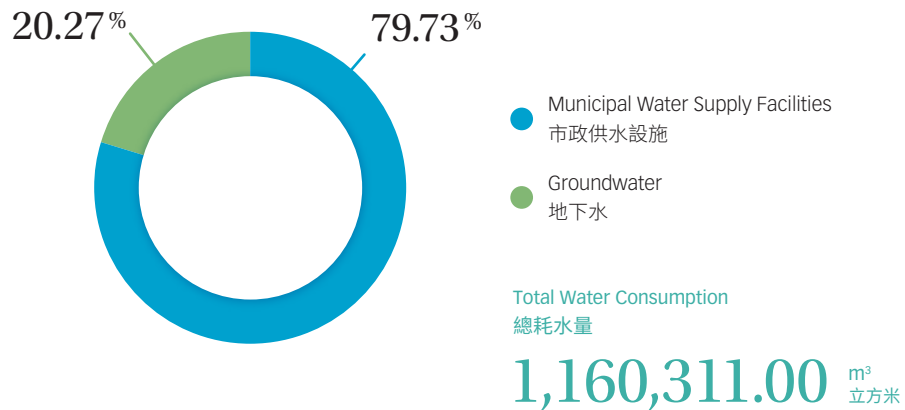
Note:

During the year under review, the Group did not directly withdraw any water from river, lakes or sea.

附註：

本集團於回顧年度內沒有直接從河流、湖泊及大海取水。

Freshwater Consumption Statistics of Projects in Operation in 2020
二零二零年各運營項目的淡水耗水統計



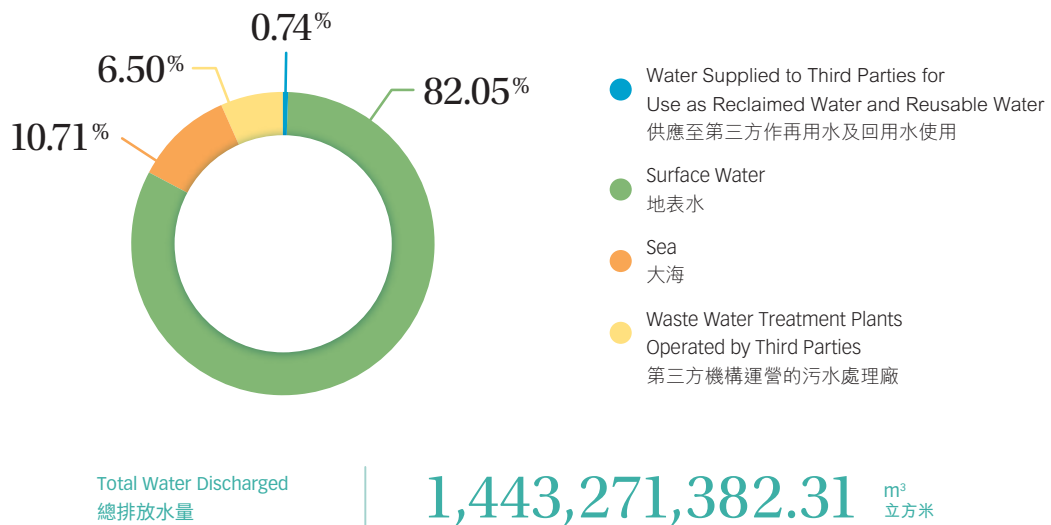
Note:

Internal use of re-circulating water and reclaimed water are excluded from the water consumption statistics.

附註：

耗水統計並不包括內部循環水及再用水的使用。

Water Discharge Statistics of Projects in Operation in 2020
二零二零年各運營項目的排放水統計



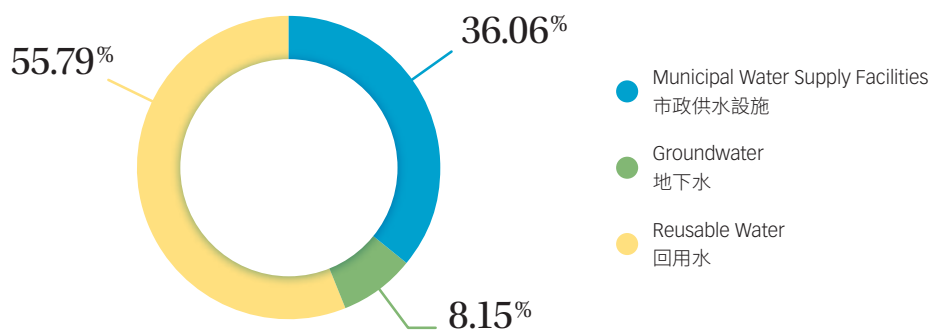
Apart from being supplied to third parties as reclaimed and/or reusable water, the Group's effluents are mainly discharged as surface water, to the sea, and to waste water treatment plants operated by third parties. All discharge follows stringent effluent discharge standards to ensure that no negative impacts would be caused on downstream users of the water bodies (including agricultural, public recreation or potable uses, etc.). The different types of receiving bodies will be taken into consideration as part of the environmental impact assessment for individual projects.

During the Reporting Period, by making reference to the Aqueduct 3.0 published by the World Resources Institute ("WRI") in 2019, the Group assessed water stress of its projects, and formulated action plan for its project companies under high water stress. WRI assesses the water stress of an area with the ratio of total water withdrawals to available renewable surface and groundwater supplies, and higher values indicate more competition among users. In 2020, the total number of projects of the Group located in high water stress areas is 121.

本集團的排放水除了供應至第三方作再用水及 / 或回用水使用外，其餘主要排放至地表、大海及第三方運營的污水處理廠。所有排放均嚴格遵循排水標準以確保水體的下游使用者（包括農業灌溉、公眾休憩或飲用等）皆不會受到負面影響。本集團亦會根據接收各項目出水的水體，在進行環境影響評估時作相應考量。

於報告期內，本集團參照世界資源研究所（Water Resources Institute, 「WRI」）在二零一九年發佈的Aqueduct 3.0，評估本集團各項目的用水壓力，並為存在高用水壓力的項目公司制定應對計劃。世界資源研究所跟據地區的總取水量與可用及可再生地表水供應量的比率判斷該地區的用水壓力，用水壓力愈高，代表用戶之間的競爭愈大。於二零二零年，本集團共有121個項目位於高用水壓力地區。

Water Withdrawal and Consumption Statistics of Projects Under Construction and in Operation in Areas with Water Stress in 2020
二零二零年各在建及運營項目於具水資源壓力的地區的取水及耗水統計



Case Study
個案分享

Flood Control by Nanjing Municipal Water PPP Project

南京涉水市政工程PPP項目全力搶險度汛

From 6 to 18 July 2020, the water level of the Yangtze River (Nanjing section) recorded a historical high. The water level of Chengnan River reached 10.38m which was 1.68 m higher than the warning level, being the highest since 1954. If dangerous events occurred, this would lead to inundation of two main river courses (Chengnan River and Gaowang River), potentially threatening hundreds of thousands of residents.

二零二零年七月六日至十八日，長江南京段水位創歷史新高，城南河水位達到10.38米，超警戒水位1.68米，是城南河流域自一九五四年有水文記錄以來的最高水位。若出現險情，將會導致連長江兩條主河道（城南河與高旺河）河水倒灌，可能造成幾十萬當地居民受災。

In order to cope with such severe situation, Nanjing Municipal Water PPP Project of the Group immediately set up a flood control and rescue team that provided 24-hour support for 13 consecutive days and maintained the safe operations of two river water pumping stations. Within a total of 312 hours, one particularly dangerous situation was prevented and three emergency repairs were carried out, contributing to a total of 5.92 million m³ flood discharge. Meanwhile, the team helped the government monitor water level for over 900 times and patrol the embankment for over 650 times, protecting the safety of the local residents.

為應對嚴峻形勢，本集團旗下南京涉水市政工程PPP項目緊急組建防汛搶險突擊隊連續13個晝夜堅守崗位，全力維持河道項目兩座泵站安全生產，全力度汛。於312個小時內，排除一次重大險情，完成三次緊急搶修，合計排洪約592萬立方米，同時協助政府監察水位900餘次，巡防大堤650餘次，保障了市內居民的安全。



We care for our employees and
GROW TOGETHER

關懷員工，**共同成長**

The Group focuses on building a stable and excellent team and firmly believes that the employees are its most important and precious asset. Therefore, the Group adheres to the “People-Oriented” philosophy, highly values the development of its talent team, and strives to provide its employees with attractive career development opportunities and a caring working environment through an effective human resource management system.

本集團著重建立穩健、優秀的人才隊伍，堅信員工是本集團最重視且珍貴的資產。因此，本集團堅持「以人為本」的理念，高度重視人才隊伍建設，致力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。

Employment Profile

員工概覽

As at 31 December 2020, Everbright Water had a total of **2,231 employees**⁽¹⁾.
截至二零二零年十二月三十一日，光大水務共有**2,231名員工**⁽¹⁾。

Note:

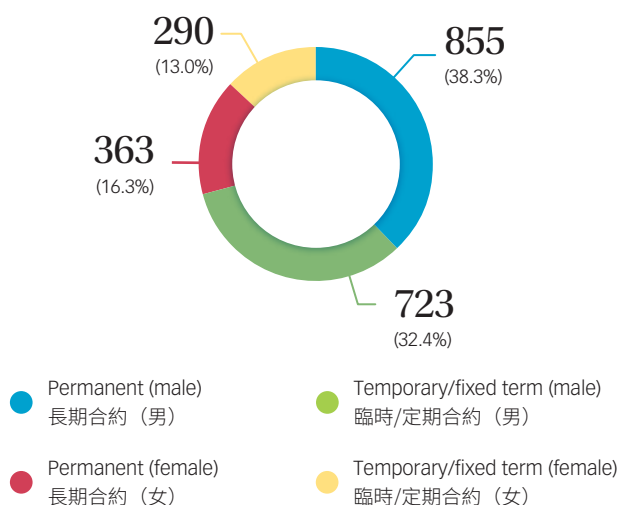
附註：

⁽¹⁾ All the employees were full-time employees.

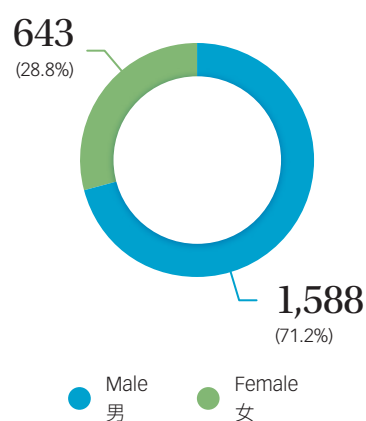
⁽¹⁾ 所有員工均為全職員工。

Statistics on Diversity of Employees in 2020 二零二零年員工多元化統計

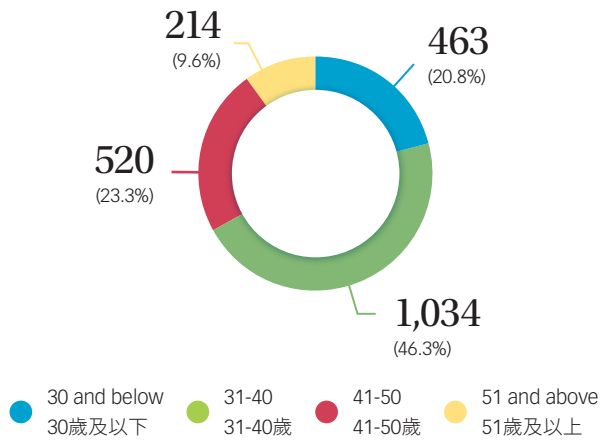
By employment type and gender 按僱傭類型及性別劃分



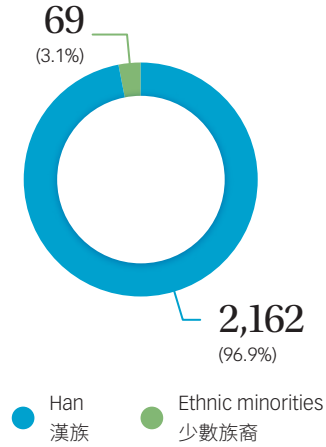
By gender 按性別劃分



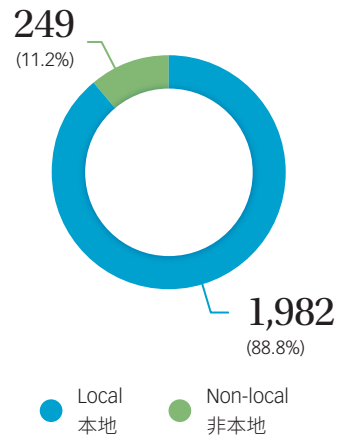
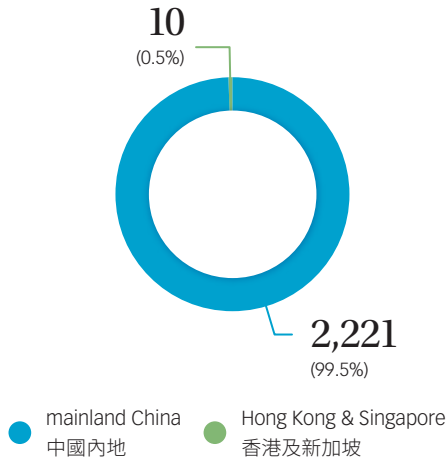
By age
按年齡劃分



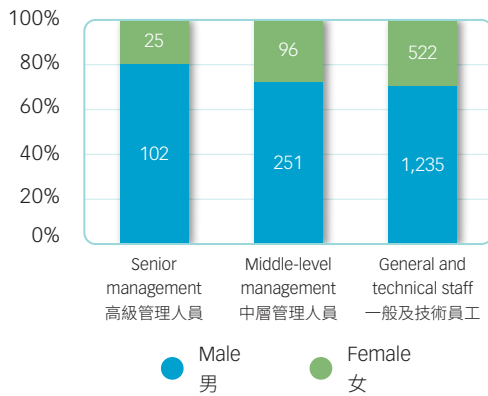
By ethnicity
按民族劃分



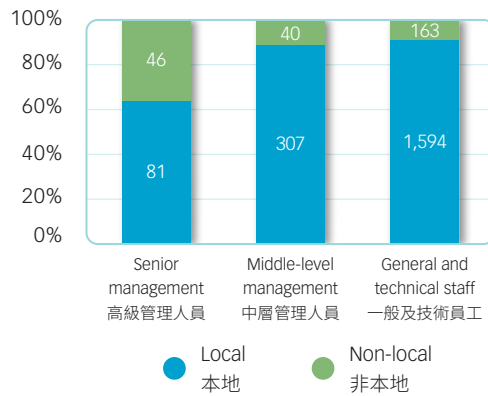
By geographical region
按地區劃分



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



Employees hired by geographical region
按地區劃分的受僱員工



Notes:

(1) For mainland China, employees hired from the same province are regarded as local employees, whereas the employees hired from other provinces are regarded as non-local employees.

(2) As at 31 December 2020.

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非本地員工。

(2) 截至二零二零年十二月三十一日。

Talent Recruitment and Retention

High-quality talents are crucial to the sustainable business development. The Group collaborates with various talent recruitment agencies and higher education institutions to bring in talents through local, overseas, on-campus and off-campus recruitments. With the continuous implementation of its strategy of "Innovation-Driven Development", Everbright Water actively recruits local and foreign technical and management professionals through "Industrial-Academic" collaboration and acquisition of technology companies. At the same time, the Group is also committed to promoting local economic development and employment opportunities by hiring local talents for projects in remote areas.

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 information allows the Group to formulate its human resource policies for the long term, while providing employees with appropriate career management plans, including retirement arrangements. The Group provides mandatory pension fund for its employees according to the national and local laws, and establishes a supplementary pension system to provide additional retirement benefits.

吸納及留住人才

優質人才是推動業務可持續發展的重要因素。本集團透過與各種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、社會招聘等方式招攬各方專才。為持續推行本集團「創新引領發展」的策略，光大水務積極透過「產學研」合作、收購技術公司等方式引進國內外的技術和管理專才。同時，本集團亦致力協助促進當地經濟發展和就業機會，在偏遠地區的项目聘用當地人才。

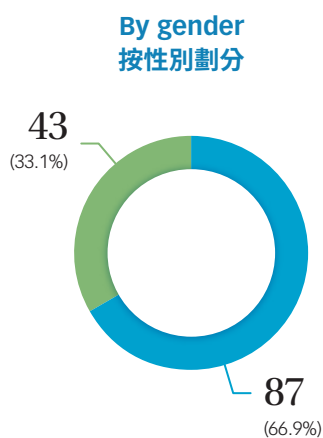
本集團制定了多項僱傭措施，包括具競爭力的薪酬待遇、完善的員工福利及發展機會，致力於留住人才。本集團亦根據勞工市場趨勢，定期檢討及調整薪酬待遇。

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。本集團根據僱員受聘的國家或地區的法律規定提供強制性養老保險，更為員工貼心訂立了補充養老制度作為額外的退休福利。

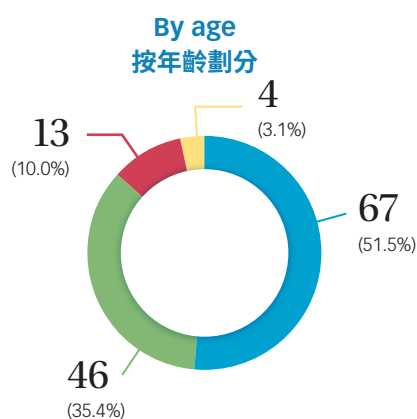
In 2020, there were 130 new employees, accounting for 5.83% of the Group's total workforce, while staff turnover (including resignation and retirement) was 156, accounting for 6.99% of the Group's total workforce.

二零二零年，本集團新聘員工130名，佔總員工數目的5.83%，員工流失數目（包括離職或退休）為156名，佔總員工數目的6.99%。

New Employees Statistics in 2020
二零二零年新聘員工數據統計

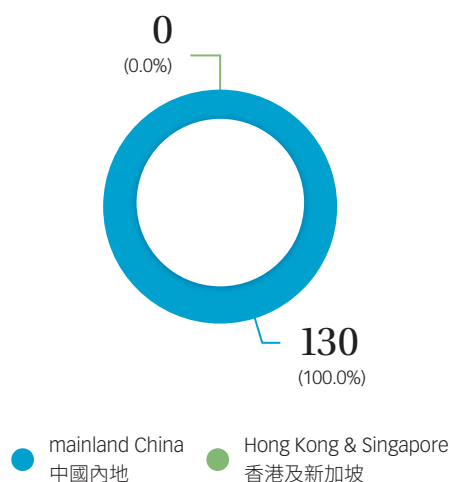


● Male 男 ● Female 女

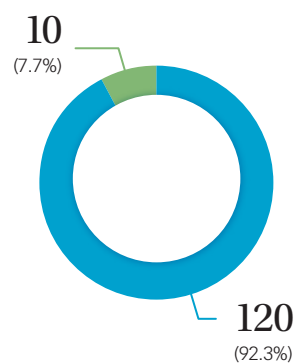


● 30 and below 30歲及以下 ● 31-40 31-40歲 ● 41-50 41-50歲 ● 51 and above 51歲及以上

By geographical region
按地區劃分



● mainland China 中國內地 ● Hong Kong & Singapore 香港及新加坡



● Local 本地 ● Non-local 非本地

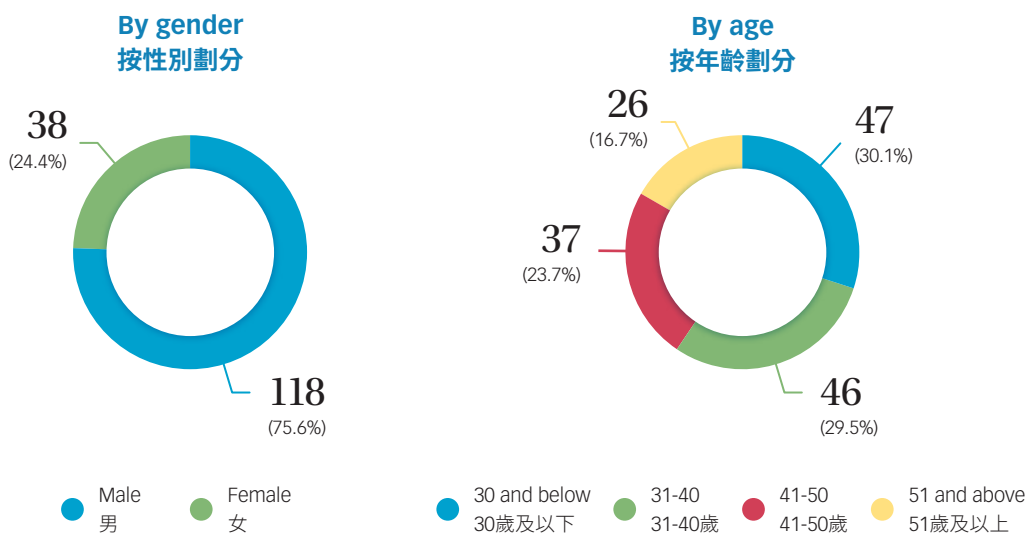
Note:

For mainland China, employees hired from the same province are regarded as local employees, whereas the employees hired from other provinces are regarded as non-local employees.

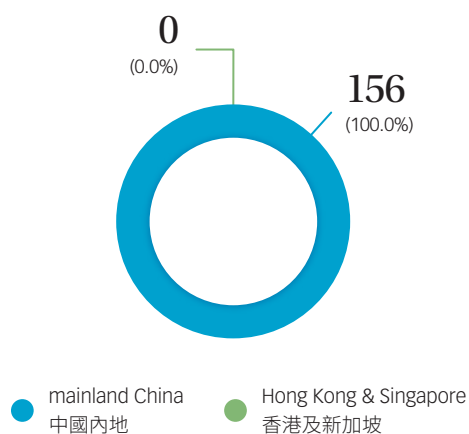
附註：

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非本地員工。

Employee Turnover (Resignation/Retirement) Statistics in 2020
二零二零年員工流失(離職/退休)數據統計



By geographical region 按地區劃分



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	11.8%	36.2%
Middle-level management 中層管理人員	5.5%	13.3%
General and technical staff 一般及技術員工	6.8%	12.5%

Employee Development



The Group attaches great importance to the personal development and well-being of employees. Based on the "People-Oriented" *Human Resource Management and Capacity Building Policy* and a transparent talent development framework, the Group provides

its employees with diversified learning opportunities and personal development plans. The Group continues improving its human resources management system, establishing an internal training team and a backup talent training system, striving to promote corporate development through talent development.

員工發展



本集團高度重視員工的個人發展和福祉。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，本集團為員工提供多元化的學習機會及發展計劃。

本集團持續完善人力資源管理制度，建立內部培訓團隊及後備人才培養體系，致力以人才發展推動企業發展。

In 2020, the Group provided on-the-job training for all the employees.

The total training hours were 91,461.60 hours, while the average training hours per employee were 41.00 hours.

二零二零年，本集團均為每位員工提供在職培訓。

培訓總時數為91,461.60小時，員工人均培訓時數為41.00小時。

Average training hours per person by gender 平均培訓小時按性別劃分



Female
女

38.41



Male
男

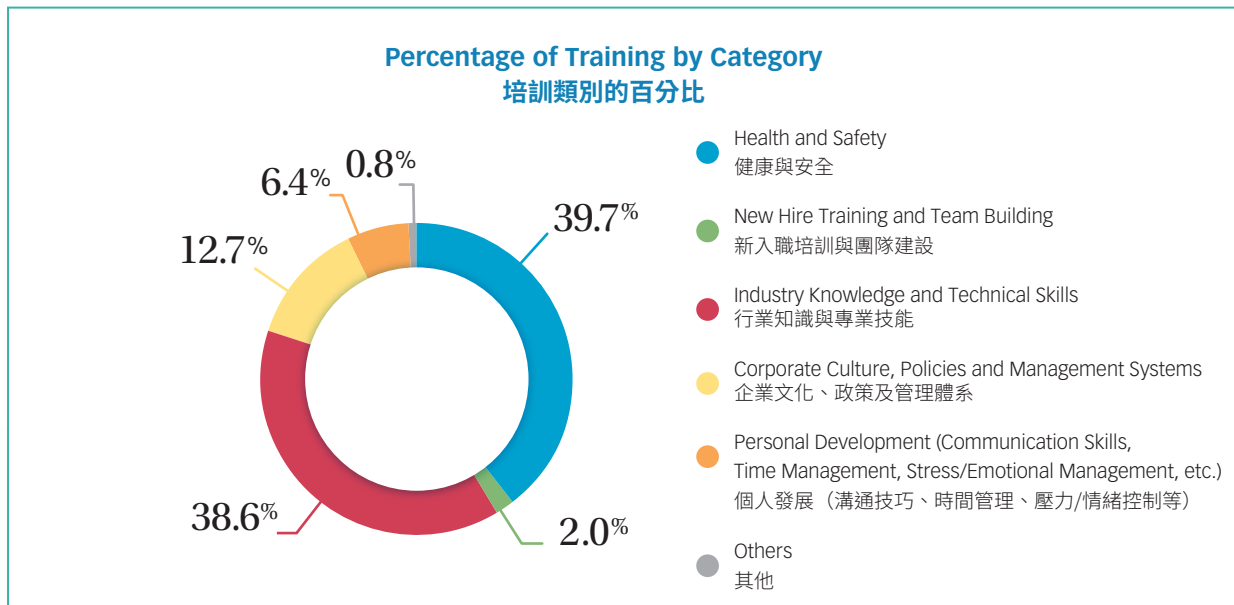
42.04

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 38.52

Middle-level management
中層管理人員 39.95

General and technical staff
一般及技術員工 41.38



In 2020, the Group initiated the following measures to promote employee development, aiming to establish a proactive and creative employee team.

二零二零年，本集團推行了下列員工發展計劃，務求建立一支積極主動且富有創造力的團隊。

Group-wide Communications Personnel Training Workshop 全集團通訊員培訓活動

In light of the pandemic, Everbright Water launched an innovative online workshop for the first time to carry out a training for its communications personnel in June 2020. This training was designed to summarise the corporate promotional work of each unit and share the corporate culture building experience, improve the learning and working competence of the officers, and enhance their performance on corporate publicity.

因疫情影響，光大水務首次以創新全程線上形式，於二零二零年六月開展通訊員培訓。該次培訓旨在總結各單位企宣工作並分享企業文化建設經驗、提升通訊員的學習及工作能力、促進各單位通訊員在企宣工作中積極履職擔責。



On 18 June 2020, more than 40 people, including relevant staff of the Group from the headquarters, communications personnel of each regional management centre, and communications personnel from project companies, participated in the online training. The training workshop consisted of 4 core activities, namely culture building experience sharing, online course training, corporate publicity work seminars and online examinations. The workshop aimed to improve the performance of communications personnel on corporate publicity work and cultivate more publicity specialists.

二零二零年六月十八日，本集團總部相關人員、各區域管理中心宣傳聯繫人及項目公司通訊員等共計40餘人參與了線上培訓。培訓活動通過文化建設經驗分享、線上課程培訓、企宣工作研討交流和線上考試等四個環節，促進各單位分享企業文化建設經驗，從而提升通訊員在企宣工作方面的表現和培養更多宣傳人才。

Comprehensive Appraisal System

綜合考核機制

The Group's internal assessment system closely monitors its employees' career development by setting achievable goals along with on-going evaluation. The system also cultivates outstanding employees who embrace 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。

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 and provide them with prioritised internal promotion opportunities.

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。

Apprenticeship Programme

「師帶徒」計劃

The apprenticeship programme enables the skilled workers to lead new comers, which effectively passes valuable skills and knowledge to the new employees and helps them establish practical career plans.

讓熟練技工帶領新技工工作，有效地把寶貴的技術知識傳承下去，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 training for both managerial and technical employees of the Group's projects, thus widening 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。

Safeguarding Employees

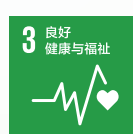


Equal Employment

To establish equal and open employment opportunities for all the employees and job applicants, the Group has formulated the *Staff Handbook* and *Code of Conduct*, which cover topics including salary and dismissal, recruitment and promotion, working hours, holidays, equal opportunities, diversity, anti-discrimination, prevention of child labour and forced labour, and other benefits and welfare, ensuring that the remuneration, training opportunities and career prospects of employees and job applicants will not be biased by gender, age, race, nationality,

marital status, religion and other factors. 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 also provides training to help its employees understand the *Code of Conduct* and what they are expected to do. During the Reporting Period, there was no case related to discrimination or violation of human rights, and no incident of child or forced labour was found.

保障員工



平等僱傭



本集團為確保員工及求職者均受到平等公開的就業機會，制定《員工手冊》及《行為守則》，內容涵蓋了薪酬及解僱、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，並保障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，協助加深員工對《行為守則》的了解及給予實行方面的指導。報告期內，本集團未出現任何與歧視或侵犯人權相關的事件，未發現使用童工或強迫/強制勞動之案例。

In view that the water and engineering industries are mainly dominated by male, the Group pays special attention to gender equality and remuneration issues, striving to maintain a balance between different genders on employees' salaries and remuneration packages. Meanwhile, various measures are implemented to encourage female talents to join and continue contributing to the Group.

Two-Way Communication

The Group strives to improve the transparency, integrity and accountability of its operations. By encouraging its employees to report illegal or improper conducts that have occurred or are suspected to be occurring or are of potential occurrence, the Group continues to maintain a corporate governance of high standard. The 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 anonymous grievance or express opinions in areas such as labour relations, human rights, workplace harassment and discrimination. All information collected will be kept confidential, and whistleblowers who disclose or raise issues in good faith will be protected from retaliation, adverse employment action and disclosure of their identity. In addition, the Group invited its employees to complete an online questionnaire in 2020 in order to further understand its employees' views on certain issues, such as the management of the Company, working environment, welfare, etc.

Employee Benefits

The Group continuously enhances employee benefits and has implemented a comprehensive employee welfare system. The Group strictly adheres to its "People-Oriented" philosophy and complies with the legal requirements of the operating regions, providing its employees with adequate welfare protection in various areas. To ensure the physical and mental health of its employees, the Group has provided free medical check-ups and occupational disease prevention inspections for its employees annually, which include examinations on lung function, liver function, posterior-anterior X-ray photography, audiometry, lens, fundus, routine nervous system checking, etc.

由於從事水務和工程相關行業的人力資源分佈側重於男性，本集團特別關注性別平等與薪酬待遇等議題，務求在不同性別之間的薪酬水平及結構達致平衡，同時積極採取不同措施吸引更多女性加入，並為她們於本集團中的發展和留任提供協助。

雙向溝通

本集團致力提升其運作的透明度、廉潔度和問責性，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，從而維持一貫高標準的企業管治。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匿名申訴或發表意見。收集到的所有信息將被保密，真誠地揭露或提出問題的舉報人將受到保護，不會受到報復、不利的僱傭行為和身份披露。此外，本集團於二零二零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，積極促進與員工的關係。

員工福利

本集團不斷優化員工福利及致力完善員工的福利制度，秉承「以人為本」的宗旨以及嚴格遵守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。為確保員工的身心健康，本集團每年為員工提供免費的身體檢查及職業病防範檢查，內容包括肺功能、肝功能、後前位X光攝片、聽力測定、晶體、眼底、神經系統常規檢查等項目。

Provision of Employee Benefits and Protection 為員工提供的主要福利與保障

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
產假及侍產假等福利



Distributing bonuses based on the 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團隊建設活動



Free medical check-ups and occupational disease surveillance examinations for the 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

Improving female staff's welfare 提升女性員工福利



Provide the 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會因此而受影響

Maternity/Paternity Leave Statistics in 2020

二零二零年產假/侍產假數據

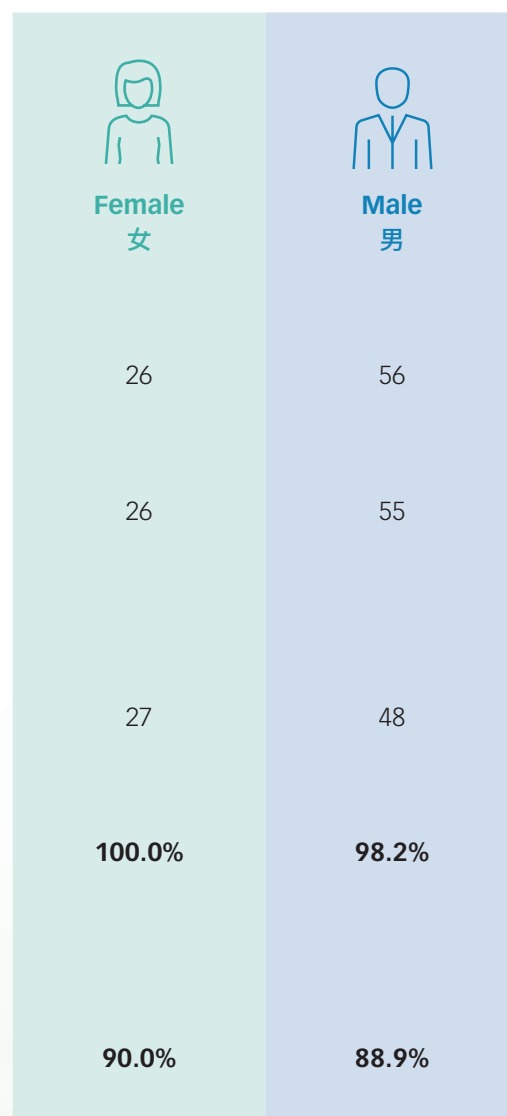
Number of female and male employees
who took maternity/paternity leave in 2020
二零二零年放產假/侍產假的男女員工數目

Number of employees who returned to
work after maternity/paternity leave in 2020
二零二零年產假/侍產假結束後重返工作崗位的員工數目

Number of employees who returned to work after maternity/
paternity leave ended in 2019 and were still employed by the
end of 2020
二零一九年產假/侍產假結束後重返工作崗位
並於二零二零年底仍在職的員工數目

**Percentage of employees who returned to work after
maternity/paternity leave ended in 2020**
二零二零年產假/侍產假結束後重返崗位的員工比例

**Percentage of employees who returned to work after
maternity/paternity leave ended in 2019 and were
still employed by the end of 2020**
二零一九年產假/侍產假結束後並於二零二零年底仍在職的
員工比例



Occupational Health and Safety



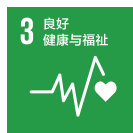
Health and safety are the core values of the Group's water projects. In order to reduce operational risks and safeguard the health and safety of its employees, the Group has implemented high-quality health and safety management systems in its projects.

Health and Safety Management System

The Group fully implements the Occupational Health and Safety ("OHS") Management System ("OHS Management System") and Risk Management System at all levels to achieve standardised management in all processes of project investment, construction and operation. Each project company has also established an OHS management team and a sound emergency notification system to manage the potential safety risks in the entire project cycle. The Safety and Environmental Management Committee has the decision-making power and is responsible for regulating, supervising, and leading the implementation of environmental and safety work in each project of the Group, and to hold meetings annually to review the Group's OHS Management System. The Group also refers to the internationally recognised OHSAS 18001/ISO 45001 OHS Management System to ensure operational safety.

The Group will conduct annual internal ESHS on-site audit for all of its projects, both in operation and under construction. The scope of the audit covers the environment (such as pollution discharge, temporary storage of hazardous waste), safety (such as fire services design, vehicle use), occupational health (such as occupational hazards review, annual body check), and social responsibility (such as supplier screening, charitable activities), and evaluate the high, medium and low risk factors based on its severity and impact.

職業健康與安全

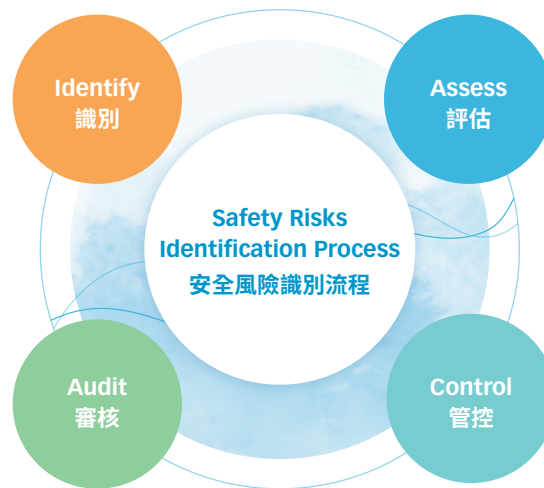


健康與安全是本集團水務項目的核心價值，為降低運營風險並保障員工的健康與安全，在旗下多個項目實行優質的健康與安全管理體系。

健康與安全管理體系

本集團各級全面實施職業健康與安全（「OHS」）管理體系（「OHS管理體系」）和風險管理體系，實現項目投資、建設及運營過程中各環節的規範化管理，並在每個項目公司設立OHS管理團隊及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。安全與環境管理委員會具有決策權，專責重點規範、監督、督導本集團各項目環境及安全工作的實施，並每年定期召開會議檢討本集團的OHS管理體系。本集團亦參照國際認可的OHSAS 18001/ISO 45001 OHS管理體系，保障運營安全。

本集團旗下所有運營及在建項目均會每年進行一次內部ESHS現場審核，審核範圍涵蓋環境（例如污染排放、危險廢物暫存）、安全（例如消防設計、車輛使用）、職業健康（例如職業病危害因素回顧、年度體檢）及社會責任（例如供應商篩選、公益活動），根據嚴重性及影響評定高、中、低風險因素。



In addition, the Group has extended the ESHS Management System to the supply chain, clearly specifying the requirements related to occupational health and safety in the contracts with suppliers, and has continuously carried out in-depth evaluation of the health and safety performance of its major suppliers. In order to identify and control the relevant environmental, social and safety risks derived from the contracted work process, the Group has specifically formulated and implemented the *Contractors ESHS Management Measures* to review the background, qualifications and the performance of the contractors on construction operations and environmental protection.

Each of the Group's operating projects has implemented emergency response plans for all types of accidents that may occur at different stages of the project to assist its employees in responding to accidents and emergencies. Such emergency response plan is executed by the project safety management team, while the scope of safety risk management includes the project company and neighbouring communities. The team is responsible for regular provision of health and safety training for its employees, covering emergency response plans, operational hazards, legal issues, etc., with the aim of improving its employees' crisis handling skills and knowledge, and ensuring that emergency plans can be swiftly and efficiently activated when needed. In addition, the Group has incorporated climate change risks into the risk management system to formulate more comprehensive emergency plans to deal with natural disasters.

此外，本集團更將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。本集團擬訂並落實了《承包商ESHS管理標準》，透過審視承包商的公司背景、資質、施工作業及環保等各方面的表現，辨識和監控與環境、社會和安全相關的風險。

本集團各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，以協助員工應對緊急事故。應急預案由項目安全管理團隊執行，安全風險管理範圍包含項目公司及鄰近社區。該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和知識，確保能在需要時迅速高效地啟動應急預案。此外，本集團將氣候變化風險納入風險管理體系中，從而制定更完善的緊急方案應對自然災害。

The Group strives to apply the highest safety standard in designing and constructing projects to ensure safety at work in all projects. The Group has formulated a sound construction guidance system for carrying out multiple dedicated safety and environmental inspection and audit for projects under construction. This system will enhance the level of on-site standardised management, emphasise the importance of safety of constructors and suppliers through management and audit, as well as provide scientific master programme for construction, etc. The Group has also signed “Letters of Safety Responsibility for Construction Unit” with the relevant construction contractors, promoting the principle of “Everyone Is a Safety Officer and Should be Responsible for Safety”.

The Group encourages its employees of all levels to provide suggestions to their supervisors at any time on improving the ESHS Management System and the safety systems and measures in operation. The system also protects its employees who report safety risks from fear of retaliation, so as to ensure that no safety incidents would be caused by the failure of report.

Pandemic Prevention and Control Measures

During the Reporting Period, in the face of the severe COVID-19 situation, the Group issued targeted policies and strengthened the implementation of prevention and control measures, strictly managed the entry and exit of workers and tightened disinfection measures, leading to “zero infection” in the workplace. The Group also actively took actions to ensure the sufficient supply of pandemic prevention and control resources and the safety and physical health of all its employees. Furthermore, the Group overcame various internal and external challenges by proactively taking more social responsibilities and cooperating with local governments to prevent and control the pandemic so as to ensure continuous operation of its projects and compliance with discharge standards during the pandemic period.

Safety Protection Programmes

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 support employees who suffer from accidents or diseases, relieving financial burden of their families.

本集團一直堅持以最高的安全標準設計及建設項目，務求所有項目均安全施工。本集團已訂立完善的工程建設規章制度，為在建工程項目進行多種安全與環境專項檢查和考核工作，從而提升工程現場標準化管理水平，強調對施工方、供應商的管理與考核，以及科學編製工期計劃等。本集團更與施工單位簽訂「施工單位安全責任書」，提倡「人人都是安全員、人人都為安全負責」的原則。

本集團鼓勵各層級的員工們隨時對上級提出對ESHS管理體系以及運營中的安全制度和措施的改善建議。體系亦保障舉報安全風險的員工毋須畏懼報復，以確保不會因知情不報的情況引致安全事故。

疫情防控措施

報告期內，面對新冠疫情形勢嚴峻，本集團精準制定並強化落實防控措施，嚴格管理人員的進出，加強消毒措施，實現工作區「零感染」，並積極保障防疫物資的供應，確保全體員工的生命安全和身體健康。同時，本集團亦克服內外部各種挑戰，主動承擔更多社會責任，與地方政府聯合防控，投運項目於疫情期間無停產及保障污水處理達標排放。

安全保障計劃

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，在員工不幸遭遇意外或患病時，可以申領基金以緩解員工家庭的經濟壓力。

Safety Training and Promotion

Through comprehensive training, the Group aims to inspire its employees to acknowledge the importance of safety management, laying foundation for better daily safe production at workplace. The Group's health and safety training cover the following topics:

安全培訓及宣傳

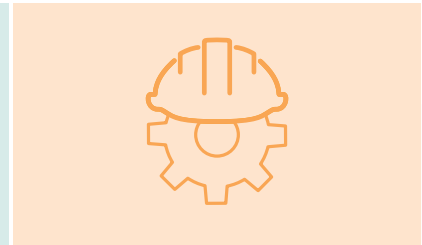
本集團希望透過全面的培訓活動激發全員對安全管理工作的認識與思考，為更好地開展作業場所日常安全生產管理工作奠定基礎。本集團的健康與安全培訓涵蓋以下內容：



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



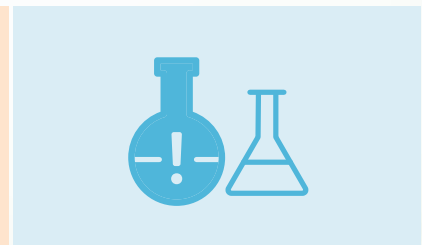
Safe Use of
Equipment
設備裝置的安全使用



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



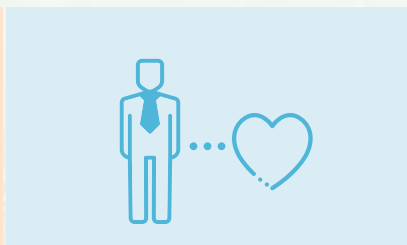
Risk Monitoring and Assessment
at Different Risk Levels
風險分級管控和
隱患排查



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



Emergency Management
事故應急管理



Occupational Health
Management
職業健康管理



First Aid
急救

The Group also provides training for third-party contractors' and subcontractors' on-site workers, and training topics include the ESHS Management System and incidents response management, etc.

本集團亦向第三方承包商及分包商駐場工人提供培訓，內容涵蓋ESHS管理體系及事故應急管理等。

In 2020, the total health and safety training hours of the Group were approximately 21,932.2 hours.

二零二零年，本集團的健康與安全培訓總時數為約21,932.2小時。

During the Reporting Period, the Group continued carrying out the "Safe Production Month" initiative and fully implementing the "Three Zeros" goal (zero work safety accident, zero excessive discharge of pollutants and zero case for violation of regulations or discipline) through themed activities, training and education, safety inspection and emergency drills across all project companies.

報告期內，本集團繼續開展「安全生產月」活動，透過主題宣講、培訓教育、安全檢查、應急演練等方式，在所有項目公司深入貫徹「三個零」目標（零安全事故、零超標排放、零違規違紀）。

Case Study
個案分享

Xinyi City Waste Water Treatment Project Launched a Safe Production Learning Programme and Examination

新沂城市污水處理項目展開安全生產學習計劃及知識考試



In 2020, Xinyi City Waste Water Treatment Project (“**Xinyi Project**”) Company planned a learning programme to provide employees with safety knowledge and to improve their safety awareness. It also introduced a safe production knowledge exam for all the employees to ensure a smooth resumption of work under pandemic prevention and control measures.

二零二零年，新沂城市污水處理項目（「**新沂項目**」）公司制定了學習計劃，將安全知識和安全意識以穩紮穩打的形式逐漸灌輸，並為所有員工展開了安全生產知識考試，以確保疫情防下的復工安全生產工作能順利進行。

This programme successfully encouraged employees from different departments to gain safety knowledge and apply what they have learnt to their work, effectively raising the employees’ awareness on safe production.

此計劃更令員工和部門間展開了安全知識學習熱潮，成功地鼓勵員工學以致用，有效地提高了員工對安全生產的意識。

Case Study
個案分享

“Disaster Prevention and Mitigation Promotion Week” Training and Drills

「防災減災宣傳活動週」培訓及演練

From 18 to 24 May 2020, more than 130 projects of the Group under its various regional management centres, engineering centre, technology centre, and Xuzhou Municipal Engineering Design Institute Co., Ltd. (“**Xuzhou Engineering Design Institute**”), with over 2,231 employees from 8 provinces, municipalities, and autonomous regions, participated in the “Disaster Prevention and Mitigation Promotion Week”.

二零二零年五月十八至二十四日，本集團轄屬各區域管理中心與工程中心、技術中心和徐州市市政設計院有限公司（「徐州設計院」）等130多個項目的2,231名員工在8個省、市、自治區內，多措並舉貫徹落實，如火如荼投身到「防災減災宣傳週活動」中。



The Group invited internal trainers and external experts to conduct all kinds of training, which included online workshops, quiz with prizes, and training through multiple channels such as email, WeChat, and conferences.

本集團邀請了內部講師和外部專家開展了各種培訓，包括線上集中教育培訓、有獎知識答題活動，並通過郵件、微信、會議等多途徑進行專題培訓。

In addition, each project company carried out various types of drills in accordance with emergency plans regarding earthquake, flood, heatstroke, typhoon, poisoning, power outage, etc. Xuzhou Engineering Design Institute also invited local professional firefighting companies to conduct on-site guidance to “experience and participate” in earthquake and fire evacuation procedures, as well as fire extinguisher training, offering employees with immersive experience so as to improve their competency in emergency preparedness and response.

此外，各項目公司結合防震、防洪、防中暑、防颱風、防中毒、防停電等各種應急預案展開多種演練。徐州設計院更邀請當地專業消防公司現場指導，進行「體驗式、參與式」地震逃生、火場逃生、滅火器使用的演練，讓員工身臨其境，加強了活動的效應。



Case Study
個案分享**Xinyi Project Launched
Emergency Drill for Safety
Accidents in Confined Space****新沂項目開展有限空間作業安全
事故應急演練**

On 19 June 2020, all the employees of Xinyi Project participated in the emergency drill on confined space operation accident.

二零二零年六月十九日，新沂項目全體員工展開了有限空間作業安全事故應急演練。

Most of the pools and wells in waste water treatment plants are very deep, creating an unusual working environment. Meanwhile, there are multiple hidden workplace hazards, such as electricity, machines, and chemicals. Regular cleaning and emergency repairs for damaged equipments are required in confined spaces such as water inlet wells, aeration tanks, and confined disinfection tanks. The bottom of such confined places may contain a large amount of toxic gases such as hydrogen sulphide and carbon monoxide. In addition, due to limited oxygen available in the confined spaces, workers are prone to hypoxia and poisoning.

污水處理廠池高水深、井多且深，工作環境特殊，同時還有用電、機械、藥劑等種類繁多的隱患誘因。進水井、曝氣的生物池、密閉的消毒池等有限空間作業需要定期清理和為損壞的設備進行搶修，其底部可能含有大量的硫化氫、一氧化碳等有毒氣體，加上作業空間氧氣量少，容易發生缺氧、中毒事故。

Therefore, the Group constantly emphasises the importance of work safety, especially during operations in confined space and emergency rescue work. This drill combined the training of confined space operation and emergency rescue. The 4-meter-deep valve well of the secondary sedimentation tank in the Xinyi City Waste Water Treatment Project Phase III was selected for the on-site drills to ensure that employees are familiar with the working procedures and emergency rescue skills to prevent accidents.

因此，本集團不斷強調安全工作的重要性，十分重視有限空間作業與應急救援工作。此次演練更是將有限空間作業和應急救援相結合，選擇新沂城市污水處理廠三期二沉池間四米多深閥門井實地演練，以確保員工熟練掌握避免事故發生的工作程序和事故應急救援技巧。

Case Study
個案分享

“Intensive Training Workshop for Safety and Environmental Management Staff” and
“Special Training on Risk Evaluation and Operational Risk Analysis Management” Activities

「安環管理人員集中教育培訓」
及「風險識別評價與作業危險性分析管理專題培訓」活動



In August 2020, Everbright Water organised “Intensive Training Workshop for Safety and Environmental Management Staff” and “Special Training on Risk Evaluation and Operational Risk Analysis Management” in Ji’nan Waste Water Treatment Project (“**Ji’nan Project**”). Nearly 70 employees from various regional management centres and project companies attended the conferences and training.

二零二零年八月，光大水務在濟南污水處理項目（「**濟南項目**」）舉辦了「安環管理人員集中教育培訓」及「風險識別評價與作業危險性分析管理專題培訓」活動，一共有來自於各區域管理中心及項目公司的近70名員工參加了會議及培訓。

The activities included special training on various topics, including risk assessment guidelines, safe production and occupational health management, engineering project safety and environmental management systems and procedures, risk identification and operational risk analysis, fault tree analysis (FTA) and recognition and control of hazard sources in water construction projects, safety checklist analysis (SCA) and recognition and control of hazard sources in water operation projects, etc.

該活動進行各項專題培訓，內容涵蓋隱患排查指引、安全生產與職業健康管理、工程項目安全與環境管理制度與規程、風險識別與作業危險性分析、故障樹(FTA)分析法與水務建造項目危險源辨識管理、安全檢查表(SCA)分析法與水務運營項目危險源辨識管理等。

Everbright Water selected the dosing room, membrane tank and blower room units of Ji’nan Project (Phase III) in organising on-site inspections and conducting training for safety risk/hazard source and environmental factors identification and evaluation. In order to evaluate the effectiveness of the training, online tests were carried out to assess all trainees.

光大水務選取濟南項目三期工程的加藥間、膜池和鼓風機房單元，組織現場人員實地勘察，並進行了安全風險/危險源、環境影響因素識別評價訓練。為更好地檢驗培訓效果，培訓還採用網上答題方式對所有受訓人員進行了考核。

Occupational Health and Safety Statistics in 2020

二零二零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 4,355,312 hours 小時	Third-party contractors and subcontractors working on-site 第三方承包商及分包商駐場工人 691,008 hours 小時
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Employees

員工

Number of work-related fatalities 因工死亡個案 0	Number of high-consequence work-related injuries (excluding fatalities) ⁽¹⁾ 嚴重工傷個案 (不包括死亡個案) ⁽¹⁾ 0	Number of work-related injuries 工傷個案 3	Number of occupational disease cases 職業病個案 0
Rate of work-related injuries ⁽²⁾ 工傷率 ⁽²⁾ 0.14	Days of absence from work due to work-related injury (days) 因工傷缺勤日數 (天) 207	Number of fatalities due to occupational disease 因職業病死亡個案 0	

Third-party contractors and subcontractors working on-site

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 0	Number of high-consequence work-related injuries (excluding fatalities) ⁽¹⁾ 嚴重工傷個案 (不包括死亡個案) ⁽¹⁾ 0	Number of work-related injuries 工傷個案 0	Number of occupational disease cases 職業病個案 0
Rate of work-related injuries ⁽²⁾ 工傷率 ⁽²⁾ 0	Days of absence from work due to work-related injury (days) 因工傷缺勤日數 (天) 0	Number of fatalities due to occupational disease 因職業病死亡個案 0	

Notes:

⁽¹⁾ 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.

⁽²⁾ Rate of work-related injuries = (Total number of work-related injuries/Total working hours) × 200,000.

附註：

⁽¹⁾ 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。

⁽²⁾ 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



As a responsible water environment management enterprise, Everbright Water has a strong sense of corporate social responsibility and is committed to contributing to the communities, promoting sustainable development and environmental protection. Through active participation in charitable activities, the Group extends its care to the communities and caters to the needs of all walks of life.

Fighting Against COVID-19

Since the COVID-19 outbreak in 2020, Everbright Water has been at the forefront in fighting the pandemic, and is committed to protecting water safety of the communities. Based on a credible study, the COVID-19 virus could be potentially transmitted through water and as such, the Group's waste water treatment plants play an important role in fighting against the pandemic for the public. Everbright Water is determined to take up the corporate responsibility to combat the COVID-19 outbreak.

The Group has implemented strict measures for pandemic prevention and control to ensure stable operations of its various water projects and compliance with discharge standards while safeguarding health and safety of its employees. This effectively helped the local communities prevent the secondary transmission of the virus through intermediaries such as waste water.

作為負責任的水環境綜合治理企業，光大水務具備良好的企業公民意識，致力為社區作出貢獻，推廣可持續發展和環境保護。本集團透過積極參與公益活動，將關愛送入社區，迎合社會各界的需要。

堅守抗疫前線

二零二零年新冠疫情爆發之後，光大水務一直奮戰在抗疫前沿，致力守護社區民眾的用水安全。根據權威研究表明新型冠狀病毒可能存在水介傳播的潛在風險，本集團的污水處理廠在公眾層面上更是被推到抗疫一線。光大水務深知企業責任舉足輕重，立志打好這場戰「疫」。

本集團進行了嚴格的防疫部署，在保障各地員工健康安全的前提下，確保了旗下各水務項目穩定運營、達標排放，助力當地社區有效阻斷病毒透過污水等媒介二次傳播。

Case Study
個案分享



Suizhou Project Ensured Compliance with Relevant Discharge Standards in Key Pandemic Areas

隨州項目保障重點疫區污水處理及達標排放

During the COVID-19 outbreak, as large amount of disinfectants were discharged into municipal waste water, it increased the difficulty for the Group's Suizhou Water Environment Management Project ("Suizhou Project") to meet a stable effluent standard. To tackle the shortage of chemicals during the early stage of the COVID-19 outbreak, Suizhou Project actively sourced supplies, adjusted the waste water treatment processes by using local flour as a substitution of sodium acetate as the carbon source to maintain stable and continuous operation. The Suizhou Project's staff held fast to their positions and took daily samples of waste water effluent to monitor the waste water treatment performance.

在新冠疫情期間，市政污水被投放大量消毒液，增加了本集團隨州水環境治理項目（「隨州項目」）實現穩定達標的難度。與此同時，為應對疫情初期藥劑短缺的情況，隨州項目積極協調供貨，調整污水處理工藝流程，用當地麵粉替代乙酸钠做碳源，使運行持續保持穩定。隨州項目工作人員緊守崗位，每日按時對污水出水進行取樣，以監測污水處理的效能。

Case Study
個案分享

Nanjing Liuhe Project Received Municipal Waste Water Produced from
Liuhe Centralised Quarantine Sites

南京六合項目接收六合集中隔離觀察點產生的生活污水



In February 2020, the situation of the COVID-19 pandemic in the Liuhe District and the Jiangbei New Area in Nanjing City, Jiangsu Province was critical, and the Group's Nanjing Liuhe Waste Water Treatment Project ("**Nanjing Liuhe Project**") received the first batch of municipal waste water from the local quarantine sites on 10 February 2020. To facilitate effective pandemic control and compliance with effluent discharge standards, the Group implemented five control measures for Nanjing Liuhe Project, including isolated plant control, daily disinfection and body temperature measurement; prioritised allocation of

disinfectants to the Nanjing Liuhe Project; regular inspection and maintenance for facilities; increased chemical storage; as well as imposed strict requirements for laboratory personnel to wear full personal protective appliances.

二零二零年二月，江蘇省南京市六合區和臨近的江北新區新冠疫情形勢比較嚴峻，而本集團的南京六合污水處理項目（「**南京六合項目**」）在二零二零年二月十日接收第一批隔離觀察點生活污水。為確保有效防疫和達標排放，本集團對南京六合項目實行五項管控措施，包括全廠進行隔離管控、每日多次消毒、測量體溫；將防疫消毒物資優先分配給南京六合項目；對設備進行排查和檢修；加大藥劑儲備量；並嚴格要求取樣及化驗人員穿戴全套防護裝備等。

Nanjing Liuhe Project's pandemic prevention and control measures effectively facilitate the treatment of waste water in a standardised manner and eliminated the risk of secondary pollution.

南京六合項目的防疫管控有效地使接收的污水得到規範處理，避免了二次污染的可能性。

Multiple Projects of Everbright Water Received Recognitions and Praise from the Governments on their Pandemic Prevention and Control Performance

光大水務多個項目的疫情防控工作獲政府認可及表揚

In May 2020, Dalian Federation of Trade Unions issued the *Notice on Recognition of Organisations and Individuals for Outstanding Performance in the Prevention and Control of the COVID-19 and the Resumption of Work in the Trade Union System*. It was announced to recognise the outstanding performance of organisations and individuals in their efforts on pandemic prevention and control as well as on the resumption of production. Everbright Water's Dalian Waste Water Treatment Project received the "Outstanding Organisation Award" from the Dalian government for the prevention and control of the pandemic and the resumption of production.

二零二零年五月，大連市總工會印發《關於對工會系統新冠肺炎疫情疫情防控和復工復產等工作中表現突出的集體和個人予以表揚的通報》，對在疫情防控和復工復產工作中表現突出的先進集體和先進個人進行表揚，光大水務的大連污水處理項目在大連市疫情防控和復工復產工作評價中獲得「表現突出集體」稱號。

In addition, the Group's Anshan West 2nd Waste Water Treatment Project and Shenyang Hunnan New District Waste Water Treatment Project actively responded to the requirements of the local governments on reducing ammonia and total phosphorus levels in effluent discharge. The projects immediately activated emergency plans and continuously increased the intensity of waste water treatment and biochemical automatic operation system. These guaranteed the safety of water quality, and the projects were praised and appreciated by the local departments.

此外，本集團的鞍山市西部第二污水處理項目及瀋陽渾南新區污水處理項目積極回應當地政府關於降低氨氮、總磷出水資料指標的要求，即時啟動應急預案，不斷加大污水處理力度及生化系統自動化運行，保障了轄區水質安全，分別受到當地主管部門的表揚及感謝。

Promotion of Environmental Protection and Education



Everbright Water deems environmental protection and environmental education as its responsibility. The Group leverages on its competitive advantages in technology, resources and talents to join hands with various environmental, technology associations and governmental organisations in organising numerous activities to promote the importance of environmental protection and green lifestyle. The Group's waste water treatment projects received various awards and recognitions such as the "Science Popularisation and Education Hub", "Environmental Education Hub", and "Practices Base for Ecological Civilisation Development".

The Group actively responds to the requirements in 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 PRC, and opens its waste water treatment facilities to the public. The Group is committed to developing itself into an advanced hub for public visits and environmental protection promotion that provides on-site visits, practical learnings and technical training simultaneously.

Although the "offline" public opening activities were suspended for a period of time due to the COVID-19 pandemic, the Group's projects actively promote environmental protection concepts to the public through the "online" platform. The Group has implemented specific goals and measures in terms of public opening, and is committed to participating in domestic and international environmental protection technology events, cooperating with national policies, formulating the policy for the environmental protection open days and encouraging its employees to implement a low-carbon lifestyle.

宣揚環境保護及教育



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，宣揚環境保護和綠色生活的重要性。本集團多個污水處理項目更被授予「科普教育基地」、「環境教育基地」、「生態文明建設實踐基地」等稱號。

本集團積極響應生態環境部與住房和城鄉建設部《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》要求，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。

雖然「線下」公眾開放活動因新冠疫情暫停一段時間，本集團旗下項目積極透過「線上」平台向民眾宣傳環保理念，推廣環保科普知識。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並鼓勵員工實行低碳生活。

As at 31 December 2020

截至二零二零年十二月三十一日

A total of
本集團共有

7

projects of the Group 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

A total of
本集團已有

27

projects of the Group were open to the public
個項目向公眾正式開放



Nanjing Liuhe Waste Water Treatment Plant Recognised as “Nanjing Ecological Civilisation Education Base”

南京六合污水處理廠獲「南京市生態文明教育基地」稱號

In 2020, Everbright Water’s Nanjing Liuhe Waste Water Treatment Plant was selected as one of the 18 Ecological Civilisation Education Bases approved by Nanjing City. It is the only environmental protection enterprise recommended by the Liuhe District Ecology and Environment which was successfully selected.

二零二零年，光大水務南京六合污水處理廠成功入選南京市18家生態文明教育基地之一，是六合區生態環境局唯一推薦並當選的環保企業。

Everbright Water (Ji’nan) Limited Recognised for its Environmental Protection Education Performance 光大水務(濟南)有限公司的環保教育工作獲得認可

In 2020, Everbright Water (Ji’nan) Limited was awarded with the honourable title of “Shandong Environmental Science Association Environmental Science Popularisation Hub”, and was also shortlisted in the “7th Batch of National Ecological and Environmental Science Popularisation Hubs” in the *Notice on the Announcement of 7th Batch of National Ecological and Environmental Science Popularisation Hub*.

二零二零年，光大水務(濟南)有限公司被授予「山東環境科學學會環保科普基地」的榮譽稱號，同時成功入選《關於公佈第七批國家生態環境科普基地名單的通知》中的「第七批國家生態環境科普基地」。

In 2020

二零二零年

Everbright Water’s projects received over
本集團的項目共接待超過

7,000

visitors
名參觀人士in more than
逾

543

batches
批次

List of environmental projects that were open to the public
已向公眾開放的環保項目列表

Ji'nan Waste Water Treatment Project (Plant 1) 濟南污水處理項目 (一廠)	Ji'nan Waste Water Treatment Project (Plant 2) 濟南污水處理項目 (二廠)
Ji'nan Licheng Waste Water Treatment Project (Plant 3) 濟南歷城污水處理項目 (三廠)	Ji'nan Xike Waste Water Treatment Project (Plant 4) 濟南西客污水處理項目 (四廠)
Ji'nan Huashan Waste Water Treatment Project 濟南華山水質淨化項目	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	Zhangqiu Waste Water Treatment Project (Plant 1) 章丘污水處理廠項目 (第一廠)
Zhangqiu Waste Water Treatment Project (Plant 3) 章丘污水處理項目 (第三廠)	Beijing Daxing Tiantanghe Waste Water Treatment Project 北京大興區天堂河污水處理項目
Sanmenxia Waste Water Treatment Project 三門峽污水處理項目	Ju County Shudong Waste Water Treatment Project 莒縣洙東污水處理項目
Suzhou Wuzhong Chengnan Waste Water Treatment Project 蘇州吳中城南污水處理項目	Lianyungang Dapu Waste Water Treatment Project 連雲港大浦污水處理項目
Nanjing Liuhe Waste Water Treatment Project 南京六合污水處理項目	Nanjing Pukou Industrial Waste Water Treatment Project 南京浦口工業廢水處理項目
Nanjing Pukou Waste Water Treatment Project 南京浦口污水處理項目	Jiangyin Waste Water Treatment Project 江陰污水處理項目
Jiangyin Chengxi Waste Water Treatment Project 江陰澄西污水處理項目	Xinyi Economic Development Zone Waste Water Treatment Project 新沂經濟開發區廢水處理項目
Xinyi City Waste Water Treatment Project 新沂城市污水處理項目	Zhenjiang Zhengrunzhou Waste Water Treatment Plant O&M Project 鎮江征潤州污水處理廠委託運營項目
Dalian Quanshui Waste Water Treatment Project 大連泉水污水處理項目	Dalian Malanhe Waste Water Treatment Project 大連馬欄河污水處理項目
Dalian Siergou Waste Water Treatment Project 大連寺兒溝污水處理項目	Dalian Chunliuhe Waste Water Treatment Project 大連春柳河污水處理項目
Zhuanghe Waste Water Treatment Project 莊河市污水處理項目	

New Mode of Launching Environmental Protection Activities

In 2020, due to the COVID-19 pandemic, the on-site environmental protection promotion activities were significantly affected. Nonetheless, the Group did not stop promoting advanced environmental protection technologies to raise public environmental awareness. It leveraged on its advantages in technology, resources and talents to actively explore new methods and launched various online and offline activities in collaboration with different environmental protection, technology associations and government organisations.

The Group launched a new “Cloud Open Day”, which was an online platform for virtual environmental protection tours. This allowed the visitors to learn about the process of waste water treatment by showing them the water facilities in virtual reality. The “Cloud Open Day” mode particularly benefits the elderly and the disabled, as they can learn about environmental protection facilities at home through videos.

以全新模式開展環保活動

二零二零年，因新冠疫情，實地環保宣傳活動受到極大影響，但本集團並未停止推廣先進環保技術及提升公眾環保意識的腳步。本集團利用技術、資源及人才方面的優勢，積極開拓新的方法，聯同多個環保、科技協會及政府機構展開各類線上線下活動。

本集團開展了全新的「雲開放」環保參觀活動，旨在透過線上直播互動的形式，帶領觀眾參觀水務設施，通過虛擬現實了解污水處理全流程。「雲開放」模式能讓老年人或行動不便的人士在家中透過視頻了解環保設施。

March 2020 – “World Water Day” and “Water Week of China”

二零二零年三月—「世界水日」及「中國水週」

In response to the “World Water Day” and “Water Week of China” in late March 2020, Everbright Water’s project companies in 50 cities and regions jointly launched a series of environmental protection promotional campaigns with the theme of “Living in Harmony with Water”. To comply with the social distancing measures for pandemic control, this environmental protection promotional campaign was mainly carried out online, supplemented by offline activities, promoting and encouraging citizens to cherish the precious water resources and coexist harmoniously with nature.



為響應二零二零年三月下旬舉辦的「世界水日」及「中國水週」活動，光大水務旗下位於50個城市和地區的項目公司共同展開了主題為「和諧自然、築水而生」的系列環保公益宣傳活動。在落實疫情防控要求的前提下，本次環保公益活動以線上宣傳推廣為主，輔以線下活動，推廣和鼓勵市民更加珍惜水資源，科學識水、節約用水、安全護水，與大自然和珍貴的水環境和諧共存。

In addition, after the COVID-19 pandemic situation was controlled in China, Everbright Water's projects also carried out a series of offline activities.

The Ji'nan Waste Water Treatment Project Company organised an "Environmental Protection Trip" for various schools. In this activity, the primary school students learnt about the plants and the process flow of waste water treatment in an engaging and lively manner by drawing simple flow charts to record each treatment unit.

Nanjing Liuhe Project Company organised a water-saving education activity "Treasure the Water Environment, Be a Water-Saving Guardian", which taught the children about waste water treatment processes and China's water resources, raising their environmental protection awareness on treasuring and conserving water.

Subsequently, relevant information about the event was submitted to the Promotion and Education Section of the Liuhe District Bureau of Ecology and Environment, as important materials to support the application of Nanjing Liuhe Waste Water Treatment Plant for being recognised as the Nanjing Water-Saving Education Base.

此外，在國內的新冠疫情緩和後，光大水務的旗下項目亦開展了一系列的線下活動。

濟南污水處理項目公司為不同學校舉辦了「環保之行」。活動當中，小學生參觀廠區、學習廠區情況和污水處理工藝的流程，並透過生動的方式學習，畫上簡單的流程圖，紀錄下每個處理單元。

南京六合項目公司舉辦了「珍惜水環境，爭做節水小衛士」節水教育主題活動，讓小朋友們了解了污水處理流程及中國水資源的知識，並提升了生態環保和愛水節水的意識。

其後，該活動的相關圖文資料被發放到六合區生態環境局宣教科，成為南京六合污水處理廠申報南京市節水教育基地的重要材料。



Please refer to chapter 10 of the Report entitled "Major Recognitions, Awards and Memberships" for the details of projects with major education recognitions and major science, technology, and environmental protection education activities in 2020.

有關二零二零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「主要嘉許、獎項及會籍」。

Joint Hands with the Community to Overcome Difficulties 攜手社區，共克難關



In 2020
二零二零年

The Group participated in
本集團參與了

17 charitable activities
次慈善公益活動

Total volunteer service hours
義務服務總小時

506 hours
小時

Total number of volunteers
義工總人數

25

Charitable donations
捐款總金額

HK\$ **2,192,000** 港元

The Group strives to ensure that its projects are integrated into the surrounding environment and communities, by complying with the relevant IFC guidelines and local laws and regulations, participating in community charitable activities, and having in-depth understanding of the community's concerns. This minimises the impacts of the projects on the surrounding environment and communities; meanwhile, during the design and operation stages of the projects, the Group highly respects the indigenous peoples' and ethnic minorities' values on their own identity, dignity, human rights, lifestyle and culture. This enables them to gain socio-economic benefits that fulfil their culture and tradition. If any inevitable impacts to such communities are identified during the early stage, the Group will provide adequate and fair compensation and resettlement arrangements to the affected groups such as indigenous peoples in accordance with applicable laws. In addition, the Group has a confidential grievance mechanism for the relevant parties to raise their concerns. All information collected will be handled properly and all grievances will be responded in a timely manner. In 2020, the Group did not receive any grievance.

本集團致力確保旗下項目能夠融入周邊環境及社區，主動遵循相關的IFC指引和當地法律與法規要求，參與多項社區公益活動，深入了解社區的關注點，從而將項目開發對周邊環境和社區的影響降至最低；同時，在設計和實施項目時，本集團對原住民及少數族裔對其自身的身份特徵、尊嚴、人權、生活方式和文化特點的定義予以充分的尊重，以便原住民能夠得到符合他們文化傳統的社會和經濟利益。若於早期階段確定項目將為社區群體帶來不可避免的影響，本集團會按照適用法律為原住民等受影響人士提供公平、充分的補償和安置安排。另外，本集團設有保密申訴機制，讓有需要的人士作出申訴，所收集的資料將會被妥善處理，並適時作出回應。於二零二零年，本集團並沒有收到任何申訴。

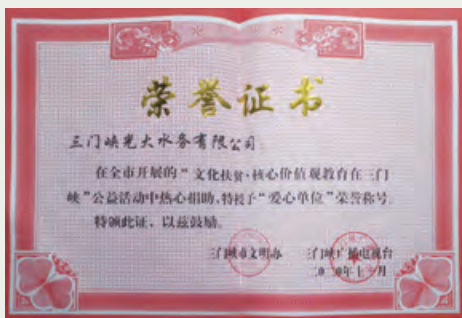


Employees attended tree planting event with their families
員工與家人共同參與植樹活動

Under the guidance of its *Donations and Sponsorships Management Measures*, the Group endeavours to understand the society's needs, promote social, economic and environmental inclusion for prevention of unfair treatment due to various factors such as age, gender, disability, and ensure the well-being of the underprivileged and the needy. In addition, the Group always encourages employees to participate in charitable activities such as donations, visits, volunteering, blood donations and tree planting, upholding the country's spirits of embracing mutual help and love and undertaking responsibility on poverty alleviation, education improvement, hazards reduction and environmental protection. During the Reporting Period, the employees of the Group took part in various charitable activities, including fund-raising, visiting disadvantaged groups and volunteering.

本集團在其《對外捐贈、贊助管理辦法》的規範指引下，積極了解社區需要，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，本集團一直鼓勵和支持員工積極參與捐款、探訪、義工、捐血、植樹等公益活動，秉承國家互助互愛的精神，重點支持國家定點扶貧、愛心教育、災害救助以及生態環境保護等，努力履行企業社會責任。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。

Sanmenxia Waste Water Treatment Project Won the Honourable Title of "Caring Unit" in the "Cultural Poverty Alleviation and Core Value Education" Charitable Activity in Sanmenxia City
三門峽污水處理項目榮獲三門峽市「文化扶貧·核心價值觀教育」公益活動「愛心單位」榮譽稱號



In November 2020, the Sanmenxia Waste Water Treatment Project ("**Sanmenxia Project**") was awarded the honourable title of "Caring Unit" in the "Cultural Poverty Alleviation and Core Values Education in Sanmenxia" charitable activity in Sanmenxia City. The Sanmenxia Project not only won the honourable title, but also donated science books to a local primary school in Sanmenxia City. This allowed students to gain more scientific knowledge, which enhanced students' self-rescue and mutual rescue skills when encountering public safety emergencies, passing love and care from employees of the Sanmenxia Project to every family.

二零二零年十一月，三門峽市「文化扶貧·核心價值觀教育在三門峽」公益活動中，本集團的三門峽污水處理項目（「**三門峽項目**」）不僅獲授予「愛心單位」榮譽稱號，更將科普圖書捐贈至三門峽市當地的一所小學，讓學生們掌握更多科普知識，提升學生們在遇到突發的公共安全事件時的自救、互救技能，並把三門峽項目全體員工的愛心和關懷傳遞到每一個家庭。

SUSTAINABLE DEVELOPMENT GOALS

The Group strives to create impact and promote development in social and economic aspects. In order to take up the challenges brought by climate change, the Group has aligned its policies to the United Nations' SDGs to join hand in addressing the world's most pressing environmental, social and economic issues. As a leading water environment management enterprise in China, Everbright Water has launched a series of sustainable development plans and project designs to safeguard the water supply and protect the environment, as well as to create a high-quality living environment for the public. The summary below depicts how the Group's operational policies and activities are closely related to the SDGs.

Environment 環境

SDGs

可持續發展目標



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, 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。

可持續發展目標

本集團竭力創造及促進社會和經濟效應。為應對氣候變化帶來的挑戰，本集團的政策配合聯合國的SDGs，以攜手緩解世界上最迫切的環境、社會和經濟議題。作為中國領先的水環境綜合治理企業，光大水務透過落實一系列可持續發展計劃和項目設計，保障水資源供應和維護生態環境，同時為大眾打造一個優質的生活環境。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SDGs相關。

Contribution of the Group

本集團的貢獻

The effluent discharged from most of the Group's waste water treatment plants complies with or is better than 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執行或優於《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, 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。

The Group treated a total of approximately 1,559,100,000 m³ of waste water and produced approximately 24,330,000 m³ of reusable water in 2020.

本集團於二零二零年共處理了約1,559,100,000立方米的污水和生產了約24,330,000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, 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。

The Group's river-basin ecological restoration projects construct a more stable ecological environment, and thus improve the cities' resilience against water environment pollution; meanwhile, its "Sponge City" project facilitates effective drainage and rainwater reuse, strengthens the urban ecosystem and promotes sustainable development.

本集團的流域治理項目構建更穩固的生態環境從而提升城市水污染抵禦能力；海綿城市項目則有助疏導和回用雨水、改善城市生態系統及促進可持續發展。

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

此外，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。



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, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and 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，及城市廢物管理等。

The Group contributes to the development of sustainable cities and communities by providing a series of water environment management services, including raw water protection, municipal waste water treatment, industrial waste water treatment, water supply, reusable water, and sludge treatment and disposal projects, and has substantially minimised the impact of harmful substances on the aquatic and terrestrial ecosystems.

本集團透過一系列的水環境綜合治理服務，包括原水保護、市政污水處理、工業廢水處理、供水、中水回用及污泥處理處置等項目，為建設可持續城市和社區作出貢獻，並將有害污染物對水體和陸上生態的影響降至最低。



Ensure sustainable consumption and production patterns
採用可持續的消費和生產模式

12.2

By 2030, achieve the 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。

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. The Group hires qualified third parties to recycle sludge for use as fertilizer, construction material, or through incineration to recover energy, thereby reducing its environmental impact.



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

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。

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; meanwhile, the Group utilises waste water nitrogen removal treatment progress to reduce nitrogen concentration in effluent and the associated nitrous oxide emission, thus offsetting GHG emission. The Group's operations offset 93,967.65 tonnes of carbon dioxide equivalent emissions in 2020.

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，從而抵銷溫室氣體排放；本集團亦透過污水除氮處理工藝降低污水出水的氮含量以及其所引致的氧化亞氮排放，以抵銷溫室氣體排放。二零二零年，本集團的運營共抵銷了93,967.65噸二氧化碳當量排放。

Furthermore, the Group includes climate change risks as part of its existing risk management system, in order to formulate a more comprehensive emergency and natural disaster response plan.

此外，本集團更將氣候變化風險納入現有的風險管理體系中，以制定更完善的緊急與自然災害應變方案。



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, prevent and significantly reduce marine pollution of all kinds, in particular 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。

In order 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, 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。

The Group's river-basin ecological restoration projects improve the health of river ecosystems, including riparian habitats with a total investment of approximately RMB3.1 billion.

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，總投資額超過31億元人民幣。

Social 社會

SDGs

可持續發展目標



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, 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。



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, 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。

Contribution of the Group

本集團的貢獻

During the COVID-19 pandemic, the Group put the protection of water environmental safety as its top priority, and mobilised manpower and supplies to support its frontline staff to fight against the pandemic. It provided uninterrupted waste water treatment services in the project service areas and ensured the stable operation of all projects and compliance with the relevant discharge standards. At the same time, the Group helped the local governments properly treat municipal waste water from the medical districts and quarantine sites, which effectively prevented secondary virus transmission through intermediaries such as waste water.

新冠疫情期間，本集團將保障水環境安全放在首位，第一時間調集人力物力投入抗疫前線，確保項目穩定運營、達標排放，保障項目服務地區的污水處理暢通無阻；同時助力當地政府做好醫療區及隔離區生活廢水的處理工作，有效阻斷病毒通過污水等媒介進行二次傳播。

In order to promote environmental protection education, the Group continuously opens more environmental protection facilities to the public. During the year under review, the Group received a total of 543 groups of more than 7,000 visitors.

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543批次，逾7,000人次。

Given the trend of regular pandemic control, the Group has been adopting a more flexible and innovative approach in opening up its environmental protection facilities for public visits and actively promoting environmental protection awareness via online platforms.

伴隨新冠疫情防控常態化趨勢，本集團圍繞環保設施公眾開放活動採取了更加靈活、創新性的安排，積極透過「線上」平台向民眾宣傳環保理念。



Achieve gender equality and empower all women and girls

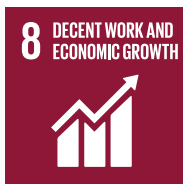
實現性別平等，增強所有婦女和女童的權能

5.1

End all forms of discrimination against all women and girls everywhere.

在全球消除對婦女和女童一切形式的歧視。

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，從而實現性別平等。



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

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。

Through investment, construction and operation of the 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, 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、族裔、出身、宗教信仰、經濟地位或其他任何區別。

The Group pays special attention to adopting measures to ensure that its project 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。當地少數族裔和漢族在工作上均受到同樣尊重和對待。

The Group's Targets

本集團的目標

Long-Term Targets of the Group

本集團的長遠目標

Aspect 範疇	Target 目標
GHG Management and Climate Change Mitigation 溫室氣體管理及氣候變化的應對	To establish and implement GHG management procedures, and prepare mitigation measures for potential climate change risks identified. 制定及實行溫室氣體管理程序及應對潛在氣候變化風險的緩解措施。
Environmental Compliance 環境合規	To strictly comply with relevant local environmental regulations. 嚴格遵守項目所在地區的相關環境法規。
Waste Water Management 污水處理	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。
Child Labour and Forced Labour 童工與強制勞工	To strictly prohibit any use of child labour and forced labour. 嚴格禁止任何童工與強制勞工。
Occupational Health and Safety 職業健康與安全	To ensure that the occupational health and safety of all the Group's employees are well protected in accordance with relevant regulations. 確保本集團所有員工的職業健康和 safety 受到充分保障，並遵守有關法規。
Anti-Corruption 反貪腐	To enhance the awareness of the Group's employees and on-site third-party workers towards anti-corruption through training. 透過培訓以加強本集團員工及駐場第三方員工的反貪腐意識。
Waste Management 廢物管理	To minimise the generation of wastes and maximise recycling rate. 減少廢物產生及增加回收率。
Disaster and Emergency Planning and Response 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。
Social Compliance 社會法規的遵循	To strictly comply with the 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。
Economic Performance 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。
Rights of the Indigenous Peoples 原住民權利	To protect the rights of the indigenous peoples during the planning and operation of projects. 於項目規劃和運營過程中保障原住民的權利。
Anti-Competitive Behaviour 反競爭行為	To not be involved in any legal actions for anti-competitive behaviour, anti-trust and monopoly practices. 不被捲入任何反競爭行為、反托拉斯和壟斷行為的法律進程中。

In addition, the Group has fully achieved its 2020 targets. Setting targets drives the continual improvement of the Group in sustainable development of its business. The Group has set the following main sustainable development targets for 2021 and the long term.

此外，本集團已實現了其二零二零年目標。設立目標大大推動本集團持續改善業務的可持續發展。本集團設立了以下二零二一年與長遠的主要可持續發展目標。

Major Sustainable Development Targets

主要可持續發展目標

Aspect 範疇	2021 Target 二零二一年目標	Long-Term Target (2030) 長遠目標 (二零三零年)
Occupational Health and Safety 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 to 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
Discharge Compliance 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 to 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
Employment Practice 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 to 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 Numerous Awards in the Aspect of Corporate Social Responsibility

Based on the perseverance and contribution of Everbright Water to corporate social responsibility, environmental responsibility and sustainable development, etc., it was shortlisted for the second consecutive year in the “Centurion Club Category” organised by *The Edge Singapore*, an influential financial magazine in Singapore. Moreover, the Company was granted the “ListCo Excellence Award 2020” by multiple institutions including the Hong Kong stocks channel of *ifeng.com* from mainland China and *am730* from Hong Kong. The Group’s project companies have achieved excellent results as well, including Everbright Water (Shenzhen) Limited being awarded with the First Prize in “China Construction Science and Technology Award” by China Construction Science and Technology Award Committee, and Everbright Water (Ji’nan) Limited being recognised respectively by the Department of Housing and Urban-Rural Development of Shandong Province and the General Office for Guiding Cultural and Ethical Progress of Shandong Province with the titles of being one of the “Corporate Brands Embodying Cultural and Ethical Progress” and “Model Organisation in Shandong Province”.

於企業社會責任範疇屢獲殊榮

光大水務憑籍著於企業社會責任、環境責任、可持續發展等方面的堅持和貢獻，連續第二年入選新加坡權威財經媒體《The Edge Singapore》的年度「百夫長俱樂部」。同時，本公司榮獲中國內地媒體《鳳凰網港股》、香港媒體《am730》等機構頒授「傑出上市公司大獎2020」。本集團的項目公司亦實現了傑出的成績，包括光大水務（深圳）有限公司獲得華夏建設科學技術獎勵委員會頒授「華夏建設科學技術獎」一等獎，以及光大水務（濟南）有限公司分別獲山東省住房和城鄉建設廳和山東省文明辦評為「精神文明單位創建品牌」及「山東省文明單位」。

Projects with Major Recognitions in 2020

二零二零年主要項目榮譽

Project 項目	Recognition 殊榮
Zhenjiang Sponge City Construction PPP Project 鎮江海綿城市建設PPP項目	<ul style="list-style-type: none"> National Environmental Protection Facilities and Urban Waste Water and Waste Treatment Facilities Opened to the Public 環保設施和城市污水垃圾處理設施向公眾開放單位 Part of the project construction work granted Jiangsu Provincial Quality Engineering Award "Yangzi Cup" 部分工程獲得江蘇省優質工程獎「揚子杯」
Jiangyin Waste Water Treatment Project 江陰污水處理項目	<ul style="list-style-type: none"> National Environmental Protection Facilities and Urban Waste Water and Waste Treatment Facilities Opened to the Public 環保設施和城市污水垃圾處理設施向公眾開放單位
Suzhou Wuzhong Chengnan Waste Water Treatment Project 蘇州吳中城南污水處理項目	<ul style="list-style-type: none"> National Environmental Protection Facilities and Urban Waste Water and Waste Treatment Facilities Opened to the Public 環保設施和城市污水垃圾處理設施向公眾開放單位
Nanjing Pukou Waste Water Treatment Project 南京浦口污水處理項目	<ul style="list-style-type: none"> National Environmental Protection Facilities and Urban Waste Water and Waste Treatment Facilities Opened to the Public 環保設施和城市污水垃圾處理設施向公眾開放單位
Xinyi Economic Development Zone Waste Water Treatment Project Phase II 新沂經濟開發區廢水處理項目二期	<ul style="list-style-type: none"> Jiangsu Provincial Quality Engineering Award "Yangzi Cup" 江蘇省優質工程獎「揚子杯」
Tongxiang West Area Drinking Water Sources Protection PPP Project 桐鄉西部飲用水源保護建設工程PPP項目	<ul style="list-style-type: none"> Safe, Model and Standard Construction Site 安全文明標準化工地
Ji'nan Zhangqiu Waste Water Treatment Project 濟南章丘污水處理項目	<ul style="list-style-type: none"> National Environmental Protection Facilities and Urban Waste Water and Waste Treatment Facilities Opened to the Public 環保設施和城市污水垃圾處理設施向公眾開放單位
Sanmenxia Waste Water Treatment Project 三門峽污水處理項目	<ul style="list-style-type: none"> Water-Conservation Enterprises in Henan Province 河南省節水型企業

Major Associations Participated by Everbright Water

光大水務參與的主要協會

Major Associations Joined by Everbright Water 光大水務參與的主要協會	Highlighted Activities in 2020 二零二零年重點活動
E20 Environment Platform E20環境平台	Awarded one of the "Top 10 Influential Enterprises in the Water Industry of China" for 2020 獲二零二零年度「中國水業十大影響力企業」之一
China Integrated Environmental Protection and Education Alliance 中國生態環境產教聯盟	Attended the third meeting and awarded one of the "First Batch Top Ten Demonstration Enterprises of China for Integrated Environmental Protection and Education" 二零二零年十一月參加第三次大會，獲評為「第一屆中國環保產教融合十大示範性企業」
China Exploration and Design Association, Municipal Engineering Section 中國勘察設計協會市政工程設計分會	Attended relevant meetings 參加會議
China Urban Water Supply Association 中國城鎮供水排水協會	Attended relevant meetings 參加會議
Shandong Provincial Urban Water Supply Association 山東省城鎮供水排水協會	Attended the second meeting of the first council on 1 December 2020 二零二零年十二月一日參加第一屆二次理事會
Shandong Provincial Urban Construction Management Association 山東省城市建設管理協會	Participated in the "2020 Selection of Excellent Organisations and Individuals for the Urban Water Supply and Drainage Industry of Shandong Province" in November 2020, and Everbright Water (Dezhou) Limited's Auxiliary Pipeline Network Management Department was awarded the title of Excellent Organisation, and 2 employees were awarded the title of Excellent Individual. 二零二零年十一月參與「二零二零年山東省城鎮供排水行業先進集體和個人評選」，光大水務(德州)有限公司管網管理部獲選先進集體，兩名員工獲選先進個人
Shandong Provincial Urban Water Association 山東省供水排水協會	Attended relevant meetings 參加會議
Shandong Provincial Water Association 山東省水協	Attended relevant meetings 參加會議
Jiangsu Provincial Municipal Engineering Association 江蘇省市政工程協會	Attended relevant meetings 參加會議
Jiangsu Provincial Exploration and Design Association 江蘇省勘察設計行業協會	Attended relevant meetings 參加會議
Jiangsu Provincial Association of Engineering Consultants 江蘇省工程諮詢協會	Attended relevant meetings 參加會議
Jiangsu Association of Landscape Architecture 江蘇省風景園林協會	Attended relevant meetings 參加會議
Xuzhou Municipal Civil Engineering Society 徐州市土木建築學會	Attended relevant meetings 參加會議
Ji'nan Municipal Association for Science and Technology 濟南市科學技術協會	Attended relevant meetings 參加會議

Major Associations Joined by Everbright Water 光大水務參與的主要協會	Highlighted Activities in 2020 二零二零年重點活動
Ji'nan Municipal Urban Water Supply and Drain Association 濟南市城鎮供水排水協會	Attended relevant meetings 參加會議
Qingdao Municipal Water Supply, Conservation and Drainage Association 青島市城鎮供水節水排水協會	Attended relevant meetings 參加會議
Drainage Branch of Wuxi Municipal Public Utility Association 無錫市市政公用協會排水分會	Attended relevant meetings 參加會議
Jiangyin Municipal Society for Environmental Sciences 江陰市環境科學學會	Attended relevant meetings 參加會議
Jiangyin Municipal Waste Water Treatment Industry Association 江陰市污水處理行業分會	Attended relevant meetings 參加會議
Explosive Chemicals Association 易制爆化學品協會	Attended relevant meetings 參加會議
Kunshan Environmental Protection Industry Association 昆山環保產業協會	Attended relevant meetings 參加會議
Lainyungang Municipal Water Supply and Drainage Association 連雲港市給排水協會	Attended relevant meetings 參加會議
Yangzhou Municipal Water Supply and Drainage Association 揚州市給排水協會	Attended relevant meetings 參加會議
Yangzhou Jiangdu Environmental Protection Industry Association 揚州市江都區環保產業協會	Attended relevant meetings 參加會議
Nanjing Hypertoxic and Explosive Chemical Management Association 南京劇毒易制爆化學品管理協會	Attended relevant meetings 參加會議
Panjin Municipal Association of Environmental Protection Industry 盤錦市環境保護產業協會	Attended relevant meetings 參加會議
Dalian Environmental Protection Volunteers Association 大連市環保志願者協會	Participated in the beach cleaning event of Dalian city in September 2020 with approximately 10 attendees 二零二零年九月參加大連淨灘活動，約10人參加活動
Xuzhou Municipal Exploration and Design Association 徐州市勘察設計協會	Attended relevant meetings 參加會議
Xuzhou Municipal Engineering Association 徐州市市政工程協會	Attended relevant meetings 參加會議
Environmental Protection Association 環境保護聯合會	Attended relevant meetings 參加會議
Kunshan Water Society 昆山水務學會	Attended relevant meetings 參加會議
Kunshan Finance and Accounting Society 昆山財政會計學會	Attended relevant meetings 參加會議
Xuzhou City Association of Enterprise Credit Management 徐州市企業信用管理協會	Attended relevant meetings 參加會議
Zibo Municipal Urban Water Supply and Drainage Association 淄博市供水排水協會	Attended relevant meetings 參加會議

Total economic contributions to the major associations in 2020 amounted to RMB218,500.

二零二零年對各協會的總經濟貢獻為218,500元人民幣。



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 2020 (hereinafter called the “Report”). The Report stated the sustainability performance of Everbright Water in the period of 1st January 2020 to 31st December 2020.

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 Initiative (“GRI”) Standards: Comprehensive option, Rule 13.91 and Appendix 27 “Environmental, Social and Governance Reporting Guide” (“ESG Reporting Guide”) of the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited (the “SEHK Listing Rules”), 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 SEHK Listing Rules (Rule 13.91 and Appendix 27 the ESG Reporting 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 SEHK Listing Rules (Rule 13.91 and Appendix 27 the ESG Reporting 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
31 May 2021



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」）二零二零年可持續發展報告（「報告」）的全部內容進行獨立驗證。該報告陳述了光大水務於二零二零年一月一日至二零二零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證券上市規則（「聯交所上市規則」）第 13.91 條及附錄二十七所載的《環境、社會及管治報告指引》，及新加坡證券交易所有限公司（「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、聯交所上市規則（第 13.91 條和附錄二十七《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，聯交所上市規則（第 13.91 條和附錄二十七《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
總監

二零二一年五月三十一日

Economic Performance

經濟表現

		2020	2019	2018
		HKS'000	HKS'000	HKS'000
		港元千元	港元千元	港元千元
Direct Economic Value Generated	產生的直接經濟價值			
Revenue	收入	5,663,292	5,550,773	4,768,318
Other income and gains, net	其他收入及收益淨額	53,068	113,465	140,583
Share of profits of associates	所佔聯營公司盈利	4,224	614	422
Economic Value Distributed	分配的經濟價值			
Staff costs	員工開支	324,940	343,291	283,240
Other costs ⁽¹⁾	其他成本 ⁽¹⁾	3,477,880	3,693,877	3,210,445
Net financial costs	財務費用淨額	332,988	334,939	273,480
Dividends	股息	280,619	211,828	152,120
			(Data Restated)	(Data Restated)
			(經重列)	(經重列)
Taxes ⁽²⁾	稅項 ⁽²⁾	207,289	156,657	144,123
Profit attributed to non-controlling interests	非控股權益應佔盈利	62,093	51,246	60,296
Charitable donations	慈善捐款	2,192	968	977
Economic Value Retained	留存的經濟價值			
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	1,032,583	872,046	784,642
			(Data Restated)	(Data Restated)
			(經重列)	(經重列)

Operational Performance⁽³⁾運營表現⁽³⁾

		Unit 單位	2020	2019	2018
Total Designed Capacity		總設計規模			
Waste water treatment	污水處理	m ³ /day 立方米/日	5,471,600	5,141,600	3,865,000
Reusable water	中水回用	m ³ /day 立方米/日	196,600	206,600	81,600
Water supply	供水	m ³ /day 立方米/日	250,000	850,000	Data not available 沒有相關數據
Raw water protection	原水保護	m ³ /day 立方米/日	600,000	Data not available 沒有相關數據	Data not available 沒有相關數據
Business Performance		業務表現			
Waste water treatment	污水處理	m ³ 立方米	1,559,100,000	1,433,805,000	1,271,248,000
COD reduction	COD減排	tonne 噸	339,000	325,441	356,000
Reusable water	中水回用	m ³ 立方米	24,330,000	17,652,000	16,299,000
GHG Emissions^{(4),(5),(6)}		溫室氣體排放^{(4),(5),(6)}			
Scope 1 (Direct emissions)	範疇一 (直接排放)	tCO ₂ e 噸二氧化碳當量	27,215.63	5,727.71	13,824.33
Scope 2 (Energy indirect emissions)	範疇二 (能源引起的間接排放)	tCO ₂ e 噸二氧化碳當量	342,619.47	283,335.27	344,070.87
Scope 3 (Other indirect emissions)	範疇三 (其他間接排放)	tCO ₂ e 噸二氧化碳當量	33,300.68	2,581.14	19,762.02
Total GHG emissions	溫室氣體排放總量	tCO ₂ e 噸二氧化碳當量	403,135.78	291,644.12	377,657.22
GHG emission intensity	溫室氣體排放強度	kgCO ₂ e/m ³ of waste water treated 公斤二氧化碳當量/立方米 (污水處理)	0.26	0.20	0.30
GHG emissions offset	溫室氣體抵銷量	tCO ₂ e 噸二氧化碳當量	93,967.65	10,263.88	14,010.75
Net GHG emissions	淨溫室氣體排放量	tCO ₂ e 噸二氧化碳當量	309,168.13	281,380.24	363,646.47
Net GHG intensity	淨溫室氣體排放強度	kgCO ₂ e/m ³ of waste water treated 公斤二氧化碳當量/立方米 (污水處理)	0.20	0.20	0.29
Direct Energy Consumption⁽⁷⁾		直接能源消耗⁽⁷⁾			
Non-renewable electricity	非再生能源電力	GJ 吉焦	1,993,845.90	1,695,500.70	1,517,802.25
Renewable electricity	再生能源電力	GJ 吉焦	35,487.07	127,871.28	181,488.69
Natural gas	天然氣	GJ 吉焦	0	353.96	14.30
Diesel	柴油	GJ 吉焦	1,682.75	6,888.59	11,361.06
Gasoline	汽油	GJ 吉焦	8,027.17	7,098.23	27,977.04
Total energy consumed	總能源消耗	GJ 吉焦	2,039,042.89	1,837,712.77	1,738,643.34
Energy intensity	能源強度	kJ/m ³ of waste water treated 千焦/立方米 (污水處理)	1,307.83	1,281.70	1,367.67
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 ₂ e/m ³ of waste water treated 公斤二氧化碳當量/立方米 (污水處理)	0.21	0.19	Data not available 沒有相關數據
Water Consumption		耗水			
Total freshwater consumed	總淡水耗水量	m ³ 立方米	1,160,311.00	1,766,558.40	1,230,188.43
Freshwater intensity	淡水耗水強度	m ³ /1,000 m ³ 立方米/千立方米 (污水處理)	0.74	1.23	0.97

		Unit 單位	2020	2019	2018	
Key Materials Used 所用主要物料	Function 用途	Material 物料				
Absorbent 吸附劑		Pulverised coal ash 粉煤灰	Tonne 噸	0	0	595.61
Biological treatment 生物處理		Magnetic powder 磁粉	Tonne 噸	19.29	231.77	273.21
Carbon source 碳源		Manure 糞土		0	142.74	0
		Refined methanol 精甲醇		782.15	206.57	0
		Sodium acetate 乙酸鈉		85,920.60	123,960.76	44,692.91
		Waste methanol 廢甲醇		0	0	0
		Glucose 葡萄糖		25,986.83	21,672.93	6,746.80
		Activated carbon 活性炭	Tonne 噸	0	52.50	Data not available 沒有相關數據
		Compound carbon source 複合碳源		1,141.71	158.79	Data not available 沒有相關數據
		Xylose 木糖		3,412.18	2,691.80	Data not available 沒有相關數據
Chemical oxidiser 化學氧化劑		Brown Sugar 紅糖		18.00	Data not available 沒有相關數據	Data not available 沒有相關數據
		Hydrogen peroxide 雙氧水		12,446.13	10,097.46	8,873.98
		Calcium hypochlorite 次氯酸鈣	Tonne 噸	3,074.47	1,497.09	2,350.83
	Liquid oxygen 液氧		5,868.27	7,549.47	Data not available 沒有相關數據	
Coagulant & flocculant 凝結劑及絮凝劑		Ferrous sulphate 硫酸亞鐵		18,170.36	39,768.01	26,179.68
		Iron (III) chloride 三氯化鐵		49,577.99	60,139.73	33,696.48
		PAFC 聚合氯化鋁鐵		15,072.31	19,858.12	15,453.08
		PFC 聚合氯化鐵		5,060.43	189.91	0
		PFS 聚合硫酸鐵	Tonne 噸	23,500.69	30,276.69	33,765.22
		Flocculant 絮凝劑		957.80	1,151.21	5,554.35
		PAC 聚合氯化鋁		32,408.49	28,739.75	15,431.59
		Iron (II) chloride 改性氯化亞鐵		758.09	Data not available 沒有相關數據	Data not available 沒有相關數據

		Unit 單位	2020	2019	2018
Key Materials Used		所用主要物料			
Disinfectant 消毒劑	Hypochlorous acid 次氯酸		0	0	13,842.86
	Sodium hypochlorite 次氯酸鈉		18,757.97	19,093.01	Data not available 沒有相關數據
	Liquid chlorine 液氯		137.07	0	661.12
	Sodium chlorate 氯酸鈉		0	11.87	203.82
	Disinfectant 消毒劑	Tonne 噸	0	37.48	24.47
	Non-oxidising biocide 非氧化殺菌劑		1.36	1.21	Data not available 沒有相關數據
	Sodium dodecyl benzene sulphonate 十二烷基苯磺酸		0.14	0.04	Data not available 沒有相關數據
	EDTA 乙二胺四乙酸		1.68	1.25	Data not available 沒有相關數據
pH adjustment 酸鹼調整	Citric acid 檸檬酸		55.72	101.68	38.66
	Sodium carbonate 碳酸鈉		462.05	36.58	277.94
	Sodium bicarbonate 碳酸氫鈉		0	36.04	Data not available 沒有相關數據
	Sodium phosphate 磷酸鈉		0	11.00	1.73
	Sulphuric acid 硫酸		894.83	665.18	426.32
	Lime 石灰	Tonne 噸	16,667.8	16,523.09	13,710.78
	Sodium hydroxide 氫氧化鈉		5,125.34	4,449.73	3,265.29
	Hydrochloric acid 鹽酸		203.28	3.15	Data not available 沒有相關數據
	Sodium tripolyphosphate 三聚磷酸鈉		3	2.65	Data not available 沒有相關數據
	Caustic Soda 液鹼		2.14	Data not available 沒有相關數據	Data not available 沒有相關數據
Others 其他	Tonne 噸	9,278.84	1,882.12	2,996.08	
Non-hazardous Wastes Generated		所產生的無害廢棄物			
Sludge generated from waste water treatment projects	污水處理項目所產生的污泥	Tonne 噸	1,169,196.41	936,070.67	854,631.36
Intensity	污泥產生強度	Tonne/1,000 m ³ of waste water treated 噸/千立方米 (污水處理)	0.75	0.65	0.67
General wastes generated from office	辦公室一般廢棄物產生量	Tonne 噸	857.55	1,598.29	Data not available 沒有相關數據
Total amount of non-hazardous wastes generated	無害廢棄物產生總量	Tonne 噸	1,170,053.96	937,668.96	Data not available 沒有相關數據

Water Withdrawal, Water Discharge and Water Consumption in 2020

2020年取水量、排水量及耗水量

Water Withdrawal 取水量		All Areas 所有地區	Areas with Water Stress 具水資源壓力的地區
Water withdrawal by source (m³) 依來源劃分取水量 (立方米)	Surface water 地表水		
	≤1,000 mg/L Total Dissolved Solids ≤1,000 毫克/升總溶解固體	0	0
	>1,000 mg/L Total Dissolved Solids >1,000 毫克/升總溶解固體	0	0
	Groundwater 地下水		
	≤1,000 mg/L Total Dissolved Solids ≤1,000 毫克/升總溶解固體	235,200	175,351
	>1,000 mg/L Total Dissolved Solids >1,000 毫克/升總溶解固體	0	0
	Seawater 海水		
	≤1,000 mg/L Total Dissolved Solids ≤1,000 毫克/升總溶解固體	0	0
	>1,000 mg/L Total Dissolved Solids >1,000 毫克/升總溶解固體	0	0
	Produced water 產出水		
	≤1,000 mg/L Total Dissolved Solids ≤1,000 毫克/升總溶解固體	0	0
	>1,000 mg/L Total Dissolved Solids >1,000 毫克/升總溶解固體	0	0
	Third-party water 第三方的水		
	≤1,000 mg/L Total Dissolved Solids ≤1,000 毫克/升總溶解固體	925,111	775,876
	>1,000 mg/L Total Dissolved Solids >1,000 毫克/升總溶解固體	0	0
Total third-party water withdrawal by withdrawal source 依取水來源劃分第三方的總取水量			
Surface water 地表水	925,111	775,876	
Groundwater 地下水	0	0	
Seawater 海水	0	0	
Produced water 產出水	0	0	
Total water withdrawal (m³) 總取水量 (立方米)	Surface water (total) + groundwater (total) + seawater (total) + produced water (total) + third-party water (total) 地表水 (總量) + 地下水 (總量) + 海水 (總量) + 產出水 (總量) + 第三方的水 (總量)	1,160,311	951,227

Water Discharge 排水量		All Areas 所有地區	Areas with Water Stress 具水資源壓力的地區
Water discharge by destination (m ³) 依終點劃分排水量 (立方米)	Surface water 地表水	1,184,268,510	1,106,960,100
	Groundwater 地下水	0	0
	Seawater 海水	154,517,182	212,380,551
	Third-party water (Total) 第三方的水 (總量)	104,485,690	98,938,686
	Third-party water sent for use to other organisations 供其他組織使用的第三方的水	10,634,473	10,634,473
Total water discharge (m³) 總排水量 (立方米)	Surface water + groundwater + seawater + third-party water (total) 地表水 + 地下水 + 海水 + 第三方的水 (總量)	1,443,271,382	1,418,279,337
Water discharge by freshwater and other water (m ³) 依總溶解固體濃度劃分之排水量 (立方米)	Freshwater (≤1,000 mg/L Total Dissolved Solids) ≤1,000 mg/L總溶解固體	1,443,271,382	1,418,279,337
	Other water (>1,000 mg/L Total Dissolved Solids) >1,000 mg/L總溶解固體	0	0
Water Consumption 耗水量			
Total water consumption (m³) 總耗水量 (立方米)		1,160,311	951,227

Social Performance⁽³⁾社會表現⁽³⁾Employee Profile⁽⁸⁾員工概況⁽⁸⁾

				2020	2019	2018
Total Number of Employees		員工總數		2,231	2,317	2,007
By Gender		按性別劃分				
Male		男性		1,588	1,655	1,461
Female		女性		643	662	546
By Age		按年齡劃分				
30 and below		30歲及以下		463	573	489
31 – 40		31–40歲		1,034	1,013	822
41 – 50		41–50歲		520	533	499
51 and above		51歲及以上		214	198	197
By Employee Ranking		按員工職級劃分				
Senior management		高級管理人員		127	121	96
Middle-level management		中層管理人員		347	302	298
General and technical staff		一般及技術員工		1,757	1,894	1,613
By Geographical Region		按地區劃分				
Hong Kong		香港		6	7	7
Singapore		新加坡		4	4	4
mainland China		中國內地		2,221	2,306	1,996
Including: Local employees ⁽⁹⁾		其中：本地員工 ⁽⁹⁾		1,982	2,093	1,799
Non-local employees ⁽⁹⁾		非本地員工 ⁽⁹⁾		249	224	208
By Ethnicity		按民族劃分				
Han		漢族		2,162	2,246	1,954
Ethnic minorities		少數族裔		69	71	53
By Employment Contract		按合約類別劃分				
Permanent Contract	Male	長期合約	男性	855	720	604
	Female		女性	363	292	238
	mainland China		中國內地	1,003	1,001	835
	Hong Kong		香港	6	7	7
	Singapore		新加坡	4	4	0
Temporary/Fixed-term Contract	Male	臨時/定期合約	男性	723	935	857
	Female		女性	290	370	308
	mainland China		中國內地	1,218	1,305	1,161
	Hong Kong		香港	0	0	0
	Singapore		新加坡	0	0	4

New Employees and Employee Turnover

新聘及離職員工

		2020		2019		2018	
		Total Number 總人數	Percentage of employees in this category (%) 估該類別員工百分比(%)	Total Number 總人數	Percentage of employees in this category (%) 估該類別員工百分比(%)	Total Number 總人數	Percentage of employees in this category (%) 估該類別員工百分比(%)
Total Number of New Hires	員工總數	130	5.83	445	19.21	297	14.80
By Gender	按性別劃分						
Male	男性	87	5.48	308	18.61	217	14.85
Female	女性	43	6.69	137	20.69	80	14.65
By Age	按年齡劃分						
30 and below	30歲及以下	67	14.47	216	37.70	159	32.52
31 – 40	31–40歲	46	4.45	187	18.46	100	12.17
41 – 50	41–50歲	13	2.50	37	6.94	34	6.81
51 and above	51歲及以上	4	1.87	5	2.53	4	2.03
By Geographical Region	按地區劃分						
Hong Kong	香港	0	0.00	0	0.00	2	28.57
Singapore	新加坡	0	0.00	1	25	0	0.00
mainland China	中國內地	130	5.83	444	19.25	295	14.78
Including: Local employees ^(a)	其中：本地員工 ^(a)	120	6.05	399	19.06	253	14.06
Non-local employees ^(a)	非本地員工 ^(a)	10	4.02	46	20.54	44	21.15
Total Number of Employee Turnover (Resignation/Retirement)	員工流失總數 (離職/退休)	156	6.99	148	6.39	188	9.37
By Gender	按性別劃分						
Male	男性	118	7.43	105	6.34	133	9.10
Female	女性	38	5.91	43	6.50	55	10.07
By Age	按年齡劃分						
30 and below	30歲及以下	47	10.15	39	6.81	53	10.84
31 – 40	31–40歲	46	4.45	55	5.43	57	6.93
41 – 50	41–50歲	37	7.12	26	4.88	27	5.41
51 and above	51歲及以上	26	12.15	28	14.14	51	25.89
By Geographical Region	按地區劃分						
Hong Kong	香港	0	0.00	0	0.00	2	28.57
Singapore	新加坡	0	0.00	1	25.00	0	0.00
mainland China	中國內地	156	6.99	147	6.37	186	9.32

Training and Development

培訓及發展

		2020	2019	2018
Total Training Hours	總培訓時數	91,461.60	57,066.50	338,027.90
Average Training Hours Per Employee	平均員工培訓時數	41.00	24.63	168.42
By Gender	按性別劃分			
Male	男性	42.04	24.89	159.89
Female	女性	38.41	23.97	191.25
By Employee Ranking	按員工職級劃分			
Senior management	高級管理人員	38.52	19.63	195.62
Middle-level management	中層管理人員	39.95	28.97	182.05
General and technical staff	一般及技術員工	41.38	24.26	164.29

Health and Safety

健康與安全

		2020	2019	2018
Employee	員工			
Number of work-related fatalities	因工死亡個案	0	0	0
Rate of work-related fatalities ⁽¹⁰⁾	因工死亡率 ⁽¹⁰⁾	0	0	0
Number of occupational disease cases	職業病個案	0	0	0
Number of high-consequence work-related injuries (excluding fatalities) ⁽¹¹⁾	嚴重工傷個案 (不包括死亡個案) ⁽¹¹⁾	0	0	0
Rate of high-consequence work-related injuries (excluding fatalities) ⁽¹²⁾	嚴重工傷率 (不包括死亡個案) ⁽¹²⁾	0	0	0
Number of work-related injuries ⁽¹³⁾	工傷個案 ⁽¹³⁾	3	2	1
Rate of work-related injuries ⁽¹⁴⁾	工傷率 ⁽¹⁴⁾	0.14	0.09	0.05
Days of absence from work due to work-related injury	因工傷缺勤日數	207	52	3
Third Party Contractors and Subcontractors Working on-site	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	0	1	0
Rate of work-related fatalities ⁽¹⁰⁾	因工死亡率 ⁽¹⁰⁾	0	0.34	0
Number of occupational disease cases	職業病個案	0	0	0
Number of high-consequence work-related injuries (excluding fatalities) ⁽¹¹⁾	嚴重工傷個案 (不包括死亡個案) ⁽¹¹⁾	0	0	0
Rate of high-consequence work-related injuries (excluding fatalities) ⁽¹²⁾	嚴重工傷率 (不包括死亡個案) ⁽¹²⁾	0	0	0
Number of work-related injuries ⁽¹³⁾	工傷個案 ⁽¹³⁾	0	2	0
Rate of work-related injuries ⁽¹⁴⁾	工傷率 ⁽¹⁴⁾	0	0.68	0
Days of absence from work due to work-related injury	因工傷缺勤日數	0	135	0

Remuneration

薪酬

		2020	2019	2018
Annual Total Remuneration and Ratio Figures 年度總薪酬及比例數據				
Total remuneration of the highest-paid individual (HK\$)	最高薪人士的薪酬總額 (港元)	3,404,560	4,360,000	3,957,400
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)	88,173	78,109	76,258
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	38.61	55.82	51.89
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	-30.83	4.19	6.41
The Average Remuneration by Employee Ranking (HK\$) 各級員工職級的平均薪酬 (港元)				
Senior management (male)	高級管理人員 (男)	478,354	324,277	326,923
Senior management (female)	高級管理人員 (女)	335,926	309,989	210,677
Middle-level management (male)	中層管理人員 (男)	183,730	254,369	212,629
Middle-level management (female)	中層管理人員 (女)	180,488	179,061	165,865
General and technical staff (male)	一般及技術員工 (男)	93,802	87,095	81,923
General and technical staff (female)	一般及技術員工 (女)	84,239	83,014	82,567

Notes:

- (1) Represents other costs but excludes depreciation, amortisation and charitable donations for the year.
- (2) Represents current income tax but excludes deferred tax for the year.
- (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.
- (4) The calculation of scope 1 emissions covers all of the operating waste water treatment projects' fugitive methane emissions, nitrous oxide emissions from biological treatment process and direct emissions released from the direct use of fuel. In order to further improve the calculation of GHG emissions, emissions from biological treatment and direct emissions from the direct use of fuel are newly included in the scope 1 emissions for the year under review.

The calculation of scope 2 emissions includes the indirect emissions from purchased energy consumption. The calculation boundary of scope 2 emissions covers all waste water treatment projects, reusable water projects, waste water source heat pump projects, sludge treatment and disposal projects, water supply projects, leachate treatment project and water environment management projects that were under construction and operation.

附註：

- (1) 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) 代表該年度所得稅，但不包括該年度的遞延稅項。
- (3) 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) 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、生物處理過程中的氧化亞氮排放及經直接使用燃料而產生的直接排放。為進一步完善溫室氣體排放量的估算，生物處理過程及直接使用燃料的相關排放於回顧年度被新納入範疇一的直接排放。

範疇二的計算為經使用電力而產生的間接排放。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、污水源熱泵、污泥處理處置、供水、滲濾液處理項目與水環境治理項目。

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|--|--|
| <p>(5) The calculation of GHG emissions from operating waste water treatment projects is referenced to CDM methodology <i>AM0080: Mitigation of Greenhouse Gases Emissions with Treatment of Wastewater in Aerobic Wastewater Treatment Plants (Version 1.0)</i>.</p> | <p>(5) 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）》。</p> |
| <p>(6) The calculation of scope 3 emissions includes fuel consumption for the transportation of sludge by third parties, indirect emissions from air travel by employees and nitrous oxide released from effluent. GHG emissions from air travel are calculated by International Civil Aviation Organization Carbon Emissions Calculator. Nitrous oxide released from effluent is newly included in the scope 3 emissions for the year under review.</p> | <p>(6) 範疇三的計算包括第三方運送污泥時的燃油消耗、員工飛機差旅的間接排放及從出水中釋放的氧化亞氮。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。從出水中釋放的氧化亞氮於回顧年度被新納入範疇三的間接排放。</p> |
| <p>(7) Energy consumption is calculated based on the reference coefficients as stated in <i>China Energy Statistical Yearbook 2018</i>.</p> | <p>(7) 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。</p> |
| <p>(8) As at 31 December 2020.</p> | <p>(8) 截至二零二零年十二月三十一日。</p> |
| <p>(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 non-local employees.</p> | <p>(9) 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非本地員工。</p> |
| <p>(10) Rate of work-related fatalities = (Total number of work-related fatalities/Total working hours) × 200,000</p> | <p>(10) 因工死亡率= (因工死亡個案總計/工作總時數) × 200,000</p> |
| <p>(11) High-consequence work-related injuries (excluding fatalities) refer to work-related injuries that result 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.</p> | <p>(11) 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。</p> |
| <p>(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</p> | <p>(12) 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</p> |
| <p>(13) Work-related injuries also include work-related fatalities and high-consequence work-related injuries.</p> | <p>(13) 工傷亦包含因工死亡及嚴重工傷。</p> |
| <p>(14) Rate of work-related injuries = (Total number of work-related injuries/Total working hours) × 200,000</p> | <p>(14) 工傷率= (工傷個案總計/工作總時數) × 200,000</p> |



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(Materiality Disclosures Service)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 Reference/Explanation 有關章節或其他參考/說明	Page Number 頁數
GRI 101: Foundation 基礎 2016			
Does not include any disclosures 不包含任何揭露			
GRI 102: General Disclosures 一般揭露 2016			
Organisational Profile 組織概況			
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 營運活動地點	Our headquarters is located in Hong Kong 我們的運營總部位於香港	–
102-5	Ownership and legal form 所有權與法律形式	Annual Report 2020 二零二零年度報告	–
102-6	Markets served 提供服務的市場	Our Sustainable Business 我們的可持續業務	10-21
102-7	Scale of the organization 組織規模	Our Sustainable Business 我們的可持續業務	10
		Talent Development 人才發展	74
102-8	Information on employees and other workers 員工與其他工作者的資訊	Talent Development 人才發展	74-95
102-9	Supply chain 供應鏈	Sustainability Governance 可持續發展管治	22-33
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	6-9
		Sustainability Governance 可持續發展管治	22
102-11	Precautionary Principle or approach 預警原則或方針	Environmental Responsibility 環境責任	44-73
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	Major Recognitions, Awards and Memberships 主要嘉許、獎項及會籍	118-119
Strategy 策略			
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	22-33
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	22-33

Disclosure Number 披露編號	Description 描述	Relevant Chapter(s) or Other Reference/Explanation 有關章節或其他參考/說明	Page Number 頁數
Governance 治理			
102-18	Governance structure 治理結構	Sustainability Governance 可持續發展管治	22-33
102-19	Delegating authority 委任權責	Sustainability Governance 可持續發展管治	22-33
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	22-33
102-21	Consulting stakeholders on economic, environmental and social topics 與利害關係人諮商經濟、環境和社會主題	Stakeholder Engagement 持份者參與	35
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	22-33
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	22-33
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	22-33
102-25	Conflict of interest 利益衝突	Sustainability Governance 可持續發展管治	22-33
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	22-33
		Annual Report 2020 – Corporate Governance Report 二零二零年度報告 – 公司治理報告	–
102-27	Collective knowledge of highest governance body 最高治理單位的群體知識	Annual Report 2020 – Corporate Governance Report 二零二零年度報告 – 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 2020 – Corporate Governance Report 二零二零年度報告 – 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	22-33
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	22-33
102-31	Review of economic, environmental, and social topics 經濟、環境和社會主題的檢視	Sustainability Governance 可持續發展管治	22-33
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
102-33	Communicating critical concerns 溝通重要關鍵議題	Sustainability Governance 可持續發展管治	22-33
102-34	Nature and total number of critical concerns 關鍵議題的性質與總數	Annual Report 2020 – Corporate Governance Report – Risk Management and Internal Controls 二零二零年度報告 – 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 2020 – Corporate Governance Report – Remuneration Matters 二零二零年度報告 – 公司治理報告 – 薪酬事項	–
		Sustainability Governance 可持續發展管治	22-33

Disclosure Number 披露編號	Description 描述	Relevant Chapter(s) or Other Reference/Explanation 有關章節或其他參考/說明	Page Number 頁數
102-36	Process for determining remuneration 薪酬決定的流程	Annual Report 2020 – Corporate Governance Report – Remuneration Matters 二零二零年度報告 – 公司治理報告 – 薪酬事項 Sustainability Governance 可持續發展管治	– 22-33
102-37	Stakeholders' involvement in remuneration 利害關係人的參與	Annual Report 2020 – Corporate Governance Report – Remuneration Matters 二零二零年度報告 – 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 The Group's main operation involves over 95% of employees originate from mainland China, therefore we do not disclose remuneration data by region. 本集團的主要業務，以及超過95%的員工均位於中國內地，因此我們沒有匯報按地區劃分的薪酬數據。	131
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 The Group's main operation involves over 95% of employees originate from mainland China, therefore we do not disclose remuneration data by region. 本集團的主要業務，以及超過95%的員工均位於中國內地，因此我們沒有匯報按地區劃分的薪酬數據。	131
Stakeholder Engagement 利害關係人團體			
102-40	List of stakeholder groups 利害關係人團體	Stakeholder Engagement 持份者參與	34
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	34
102-43	Approach to stakeholder engagement 與利害關係人溝通的方針	Stakeholder Engagement 持份者參與	36-38
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	41-42 –

Disclosure Number 披露編號	Description 描述	Relevant Chapter(s) or Other Reference/Explanation 有關章節或其他參考/說明	Page Number 頁數
Reporting Practice 報導實務			
102-45	Entities included in the consolidated financial statements 合併財務報表中所包含的實體	Annual Report 2020 – Notes to the Financial Statements (P.141-287) ⁽¹⁾ 二零二零年度報告 – 財務報表附註 (141-287頁) ⁽¹⁾	–
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	41-42
102-47	List of material topics 重大主題表列	Stakeholder Engagement 持份者參與	41-42
102-48	Restatements of information 資訊重編	The Economic Performance data on “Dividends” and “Retained for Everbright Water’s sustainable operation and development” for 2018 and 2019 were restated in The Report. 本報告涉及於二零一八年至二零一九年有關經濟表現「股息」及「留存作光大水務的可持續運營和發展」的重列。	–
102-49	Changes in reporting 報導改變	Stakeholder Engagement 持份者參與 In 2020, topics including Greenhouse Gas Management and Climate Change Management, Disaster and Emergency Planning and Response, Social Compliance and Anti-Competitive Behaviour are added to the Group’s Material Topics; and topics including Materials Usage and Poverty Alleviation are removed. 二零二零年，本集團新增的實質性議題包括溫室氣體管理及氣候變化的應對、災難及應急預案規劃、社會合規及反競爭行為；而被移除的議題包括物料使用及扶貧。	41-42
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	29th May 2020 二零二零年五月廿九日	–
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	133-142
102-56	External assurance 外部保證/確信	Verification Statement 審核聲明	120-121

Note:

Annual Report 2020 can be accessed via the following link
<https://doc.irasia.com/listco/hk/cewater/annual/ar244553-cw1857.pdf>

附註：

二零二零年度報告可於以下連結瀏覽
<https://doc.irasia.com/listco/hk/cewater/annual/ar244553-cw1857.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
GRI 200: Economic 經濟			
Economic Performance 經濟績效			
GRI 103: Management Approach 管理方針 2016			
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	34
103-2	The management approach and its components 管理方針及其要素	Sustainability Governance 可持續發展管治	22-33
103-3	Evaluation of the management approach 管理方針的評估	Sustainability Governance 可持續發展管治	22-33
GRI 201: Economic Performance 經濟績效2016			
201-1	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	10
201-2	Financial implications and other risks and opportunities due to climate change 氣候變遷所產生的財務影響及其它風險與機會	Environmental Responsibility 環境責任	44-73
201-3	Defined benefit plan obligations and other retirement plans 定義福利計劃義務与其它退休計畫	Talent Development 人才發展 Annual Report 2020 – Directors' Statement 二零二零年度報告 – 董事會聲明	74-95
201-4	Financial assistance received from government 取自政府之財務補助	Annual Report 2020 – Other Income and gains, net 二零二零年度報告 – 其他收入及收益淨額	–
Anti-corruption 反貪腐			
GRI 103: Management Approach 管理方針 2016			
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	34
103-2	The management approach and its components 管理方針及其要素	Sustainability Governance 可持續發展管治	22-33
103-3	Evaluation of the management approach 管理方針的評估	Sustainability Governance 可持續發展管治	22-33
GRI 205: Anti-corruption 反貪腐 2016			
205-1	Operations assessed for risks related to corruption 已進行貪腐風險評估的營運據點	Annual Report 2020 – Audit Committee 二零二零年度報告 – 審計委員會 The risk assessments and internal control conducted by the Group for all operating projects have already included risks of corruption. 本集團為所有運營項目進行的風險評估及內部控制已包含貪腐的風險。	–

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
205-2	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 Number of employees participated in anti-corruption training – Number of senior management (percentage): 5 (3.94%) – Number of middle-level management (percentage): 10 (2.88%) – Other employees (percentage): 22 (1.25%) 已接受反貪腐培訓的員工數據 – 高層員工人數 (百分比): 5 (3.94%) – 中層員工人數 (百分比): 10 (2.88%) – 其他員工人數 (百分比): 22 (1.25%) In 2020, 4 out of 7 of the Group's Directors participated in anti-corruption training. 於二零二零年, 本集團的7名董事中共有4名參與了反貪腐培訓。 All trained employees are located within mainland China. 所有受培訓員工均位於中國內地。	22-33
205-3	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	22-33
Anti-competitive Behavior 反競爭行為			
GRI 103: Management Approach 管理方針 2016			
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	34
103-2	The management approach and its components 管理方針及其要素	Sustainability Governance 可持續發展管治	22-33
103-3	Evaluation of the management approach 管理方針的評估	Sustainability Governance 可持續發展管治	22-33
GRI 206: Anti-competitive Behavior 反競爭行為2016			
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices 針對不當競爭行為、反托拉斯和反壟斷實踐的法律訴訟	The Group does not have any relevant legal actions. 本集團沒有任何相關法律訴訟	–
GRI 300: Environmental 環境			
Water and Effluents 水資源與污水			
GRI 103: Management Approach 管理方針 2016			
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	34
103-2	The management approach and its components 管理方針及其要素	Environmental Responsibility 環境責任	44-73
103-3	Evaluation of the management approach 管理方針的評估	Environmental Responsibility 環境責任	44-73
GRI 303: Water and Effluents 水資源與污水2018			
303-1	Interactions with water as a shared resource 組織與水 (作為共有資源) 的相互影響	Environmental Responsibility 環境責任	44-73
303-2	Management of water discharge-related impacts 管理與排水相關的影響	Environmental Responsibility 環境責任	44-73
303-3	Water withdrawal 取水	Key Statistics 主要數據	126-127
303-4	Water discharge 排水	Key Statistics 主要數據	126-127
303-5	Water consumption 耗水	Key Statistics 主要數據	126-127

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
Emissions 排放			
GRI 103:	Management Approach 管理方針 2016		
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	34
103-2	The management approach and its components 管理方針及其要素	Environmental Responsibility 環境責任	44-73
103-3	Evaluation of the management approach 管理方針的評估	Environmental Responsibility 環境責任	44-73
GRI 305:	Emissions 排放 2016		
305-1	Direct (Scope 1) GHG emissions 直接(範疇1)溫室氣體排放	Environmental Responsibility 環境責任 Calculations are based on the global warming potentials published in the IPCC (Intergovernmental Panel on Climate Change) <i>Fifth Assessment Report</i> (AR5); calculation of GHG emissions include carbon dioxide (CO ₂), methane (CH ₄) and nitrous oxides (N ₂ O). 計算參考IPCC(政府間氣候變化專門委員會)《第五次評估報告》(AR5)中發佈的相對全球變暖潛能。計算的溫室氣體排放量包括二氧化碳(CO ₂)、甲烷(CH ₄)及氧化亞氮(N ₂ O)。 GHG emissions by biogenic/non-biogenic source: Biogenic emissions: 25,970.49 tonnes CO ₂ equivalent 由生物活動所產生的溫室氣體排放: 25,970.49噸二氧化碳當量 Non-biogenic emissions: 60,826.77 tonnes CO ₂ equivalent 由非生物活動所產生的溫室氣體排放: 60,826.77噸二氧化碳當量	60-62
305-2	Energy indirect (Scope 2) GHG emissions 能源間接(範疇2)溫室氣體排放	Environmental Responsibility 環境責任	60-62
305-3	Other indirect (Scope 3) GHG emissions 其他間接(範疇3)溫室氣體排放	Environmental Responsibility 環境責任 Calculations are based on the global warming potentials published in the IPCC (Intergovernmental Panel on Climate Change) <i>Fifth Assessment Report</i> , 2014 (AR5); calculation of GHG emissions include carbon dioxide (CO ₂), methane (CH ₄) and nitrous oxides (N ₂ O). 計算參考IPCC(政府間氣候變化專門委員會)《第五次評估報告》(AR5)中發佈的相對全球變暖潛能。計算的溫室氣體排放量包括二氧化碳(CO ₂)、甲烷(CH ₄)及氧化亞氮(N ₂ O)。 GHG emissions by biogenic/non-biogenic source: Biogenic emissions: 30,887.62 tonnes CO ₂ equivalent 由生物活動所產生的溫室氣體排放: 30,887.62噸二氧化碳當量 Non-biogenic emissions: 1,832.05 tonnes CO ₂ equivalent 由非生物活動所產生的溫室氣體排放: 1,832.05噸二氧化碳當量	60-62

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
305-4	GHG emissions intensity 溫室氣體排放強度	Environmental Responsibility 環境責任	44-73
305-5	Reduction of GHG emissions 溫室氣體減排量	Environmental Responsibility 環境責任	44-73
305-6	Emissions of ozone-depleting substances (ODS) 臭氧消耗物質 (ODS) 的排放	The Group's operation do not involve emissions of significant ozone-depleting substances (ODS). 本集團的運營並不涉及顯著的臭氧消耗物質 (ODS) 排放。	–
305-7	Nitrogen oxides (NO _x), sulfur oxides (SO _x), and other significant air emissions 氮氧化物 (NO _x)、硫化物 (SO _x) 和其他重大氣體排放	Environmental Responsibility 環境責任 The Group does not keep an inventory of volatile organic compounds (VOCs) and odour emissions as they are fugitive in nature. Nevertheless, the amount of VOCs emissions is negligible, while the Group strictly complying with prevailing local standards in odour emissions control. 本集團沒有保留揮發性有機化合物 (VOC) 和氣味排放的紀錄因為它們是無組織的排放。儘管如此，VOC 的排放量可以被忽略，同時本集團嚴格遵守氣味控制方面的現行當地標準。	53-63
Waste 廢棄物			
GRI 103: Management Approach 管理方針 2016			
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	34
103-2	The management approach and its components 管理方針及其要素	Environmental Responsibility 環境責任	44-73
103-3	Evaluation of the management approach 管理方針的評估	Environmental Responsibility 環境責任	44-73
GRI 306: Waste 廢棄物 2020			
306-1	Waste generation and significant waste-related impacts 廢棄物的產生及廢棄物相關重大影響	Environmental Responsibility 環境責任	44-73
306-2	Management of significant waste-related impacts 廢棄物相關重大影響的管理	Environmental Responsibility 環境責任	44-73
306-3	Waste generated 產生的廢棄物	Environmental Responsibility 環境責任	44-73
306-4	Waste diverted from disposal 從處置中轉移的廢棄物	Environmental Responsibility 環境責任	58-59
306-5	Waste directed to disposal 進入處置的廢棄物	Environmental Responsibility 環境責任	58-59
Environmental Compliance 有關環境保護的法規遵循			
GRI 103: Management Approach 管理方針 2016			
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	34
103-2	The management approach and its components 管理方針及其要素	Environmental Responsibility 環境責任	44-73
103-3	Evaluation of the management approach 管理方針的評估	Environmental Responsibility 環境責任	44-73
GRI 307: Environmental Compliance 有關環境保護的法規遵循2016			
307-1	Non-compliance with environmental laws and regulations 違反環保法規	Appendix III – Compliance with Relevant Laws and Regulations That Have a Significant 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	149-152

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
GRI 400 : 社會			
Occupational Health and Safety 職業安全衛生			
GRI 103: Management Approach 管理方針 2016			
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	34
103-2	The management approach and its components 管理方針及其要素	Talent Development 人才發展	74-95
103-3	Evaluation of the management approach 管理方針的評估	Talent Development 人才發展	74-95
GRI 403 : Occupational Health and Safety 職業安全衛生2018			
403-1	Occupational health and safety management system 職業安全衛生管理系統	Talent Development 人才發展	74-95
		The Group's ESHS management system was formulated in accordance to the <i>Labour Law of the PRC, Work Safety Law of the PRC, Criminal Law of the PRC, the Social Insurance Law of the PRC, Occupational Health and Safety Management System Specifications (GB/T28001-2001), Environmental Management Systems – Requirements with Guidance for Use (GB/T24001-2004)</i> , etc. 集團的ESHS管理體系乃依據《中國勞動法》、《中國安全生產法》、《中國刑法》、《中國社會保險法》、《職業健康安全管理體系規範》(GB/T28001-2001)、《環境管理體系要求及使用指南》(GB/T24001-2004)等編製。	
403-2	Hazard identification, risk assessment, and incident investigation 危害辨識、風險評估及事故調查	Talent Development 人才發展	74-95
403-3	Occupational health services 職業健康服務	Talent Development 人才發展	84
403-4	Worker participation, consultation, and communication on occupational health and safety 有關職業安全衛生之工作者參與、諮商與溝通	Talent Development 人才發展	74-95
403-5	Worker training on occupation health and safety 有關職業安全衛生之工作者訓練	Talent Development 人才發展	86-95
403-6	Promotion of worker health 工作者健康促進	Talent Development 人才發展	86-95
403-7	Prevention and mitigation of occupational health and safety 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	Talent Development 人才發展	86-95
403-8	Workers covered by an occupational health and safety management system 職業安全衛生管理系統所涵蓋之工作者	Talent Development 人才發展	86-90
		The Group's ESHS management system covers all employees of the group, third-party contractors and subcontractors working onsite. 本集團的ESHS管理體系覆蓋了集團所有員工、第三方承包商及分包商駐場工人。	
		The Group conducts annual internal audit for the ESHS system, but has not yet conducted external audits. 本集團每年對ESHS體系進行內部審核，但暫未進行外部審核。	
403-9	Work-related injuries 職業傷害	Talent Development 人才發展	95
		The major risks of work-related injury in the water industry include slip and fall, and hearing lost. 水務行業的主要工傷風險則包括滑倒、跌倒、及聽力損害。	
403-10	Work-related ill health 職業病	Talent Development 人才發展	95
		The major risks of work-related ill health in the water industry include waterborne disease, airborne infection, and skin ailments. 水務行業的主要職業病風險包括水源性疾病、空氣傳播疾病及皮膚病。	

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
Child Labor 童工			
GRI 103:	Management Approach 管理方針 2016		
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	34
103-2	The management approach and its components 管理方針及其要素	Talent Development 人才發展	74-95
103-3	Evaluation of the management approach 管理方針的評估	Talent Development 人才發展	74-95
GRI 408:	Child Labor 童工 2016		
408-1	Operation 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	Talent Development 人才發展	82
		Sustainability Governance 可持續發展管治	33
Forced or Compulsory Labor 強迫或強制勞動			
GRI 103:	Management Approach 管理方針 2016		
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	34
103-2	The management approach and its components 管理方針及其要素	Talent Development 人才發展	74-95
103-3	Evaluation of the management approach 管理方針的評估	Talent Development 人才發展	74-95
GRI 409:	Forced or Compulsory Labor 強迫或強制勞動 2016		
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	Talent Development 人才發展	82
		Sustainability Governance 可持續發展管治	33
Rights of Indigenous Peoples 原住民權利			
GRI 103:	Management Approach 管理方針 2016		
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	34
103-2	The management approach and its components 管理方針及其要素	Talent Development 人才發展	74-95
103-3	Evaluation of the management approach 管理方針的評估	Talent Development 人才發展	74-95
GRI 411:	Rights of Indigenous Peoples 原住民權利 2016		
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 2020. 本集團於二零二零年沒有侵害原住民權利的事件。	– –
Social Compliance 社會經濟法規遵循			
GRI 103:	Management Approach 管理方針 2016		
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	34
103-2	The management approach and its components 管理方針及其要素	Talent Development 人才發展	74-95
103-3	Evaluation of the management approach 管理方針的評估	Talent Development 人才發展	74-95
GRI 419:	Socioeconomic Compliance 社會經濟法規遵循 2016		
419-1	Non-compliance with laws and regulations in the social and economic area 違反社會與經濟領域之法律和規定	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	149-152

ESG Aspects ESG層面	Requirements 描述	Relevant Chapter(s) and/or Explanation 報告章節/聲明
A. Environmental 環境		
層面A1 : Emissions 排放物		
General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to 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。	Environmental Responsibility 環境責任 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
KPI A1.1	The types of emissions and respective emissions data. 排放物種類及相關排放數據。	Environmental Responsibility 環境責任 The Group's operations do not generate significant emissions. 集團的運營不涉及顯著的大氣排放。
KPI A1.2	Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 直接(範圍1)及能源間接(範圍2)溫室氣體排放量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	Environmental Responsibility 環境責任 Key Statistics 主要數據
KPI A1.3	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。
KPI A1.4	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)。	Environmental Responsibility 環境責任 Key Statistics 主要數據
KPI A1.5	Description of emissions target(s) set and steps taken to achieve them. 描述所訂立的排放量目標及為達到這些目標所採取的步驟。	Environmental Responsibility 環境責任 Devoted to Achieving Sustainable Development Goals 致力實踐可持續發展目標
KPI A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them 描述處理有害及無害廢棄物的方法，及描述所訂立的減廢目標及為達到這些目標所採取的步驟。	Environmental Responsibility 環境責任 Devoted to Achieving Sustainable Development Goals 致力實踐可持續發展目標 The Group's operations do not generate significant amount of hazardous waste, hence no targets were set for hazardous wastes reduction.. 本集團的運營不會產生顯著數量的有害廢棄物，故此沒有訂立有害廢棄物減廢目標。

ESG Aspects ESG層面	Requirements 描述	Relevant Chapter(s) and/or Explanation 報告章節/聲明
層面A2 : Use of Resources資源使用		
General Disclosure 一般披露	Policies on the efficient use of resources, including energy, water and other raw materials. 有效使用資源 (包括能源、水及其他原材料) 的政策。	Environmental Responsibility 環境責任
KPI A2.1	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)。	Environmental Responsibility 環境責任 Key Statistics 主要數據
KPI A2.2	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)。	Environmental Responsibility 環境責任 Key Statistics 主要數據
KPI A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them. 描述所訂立的能源使用效益目標及為達到這些目標所採取的步驟。	Environmental Responsibility 環境責任 Devoted to Achieving Sustainable Development Goals 致力實踐可持續發展目標
KPI A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them. 描述求取適用水源上可有任何問題，以及所訂立的用水效益目標及為達到這些目標所採取的步驟。	Environmental Responsibility 環境責任 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。
KPI A2.5	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。

ESG Aspects ESG層面	Requirements 描述	Relevant Chapter(s) and/or Explanation 報告章節/聲明
層面A3 :The Environment and Natural Resources 環境及天然資源		
General Disclosure 一般披露	Policies on minimising the issuer's significant impacts 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。	Environmental Responsibility 環境責任
KPI A3.1	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。	Environmental Responsibility 環境責任
層面A4 :Climate Change 氣候變化		
General Disclosure 一般披露	Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer. 識別及應對已經及可能會對發行人產生影響的重大氣候相關事宜的政策。	Environmental Responsibility 環境責任
KPI A4.1	Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them. 描述已經及可能會對發行人產生影響的重大氣候相關事宜，及應對行動。	Environmental Responsibility 環境責任
B. Social 社會		
Employment and Labour Practices 僱傭及勞工常規		
層面B1 :Employment 僱傭		
General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to 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。	Talent Development 培育人才 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
KPI B1.1	Total workforce by gender, employment type (for example, full-or part-time), age group and geographical region. 按性別、僱傭類型（如全職或兼職）、年齡組別及地區劃分的僱員總數。	Talent Development 培育人才 Key Statistics 主要數據
KPI B1.2	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。	Talent Development 培育人才 Key Statistics 主要數據

ESG Aspects ESG層面	Requirements 描述	Relevant Chapter(s) and/or Explanation 報告章節/聲明
層面B2 : Health and Safety 健康與安全		
General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards. 有關提供安全工作環境及保障僱員避免職業性危害的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	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
KPI B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year. 過去三年 (包括匯報年度) 每年因工亡故的人數及比率。	Talent Development 人才發展 Key Statistics 主要數據
KPI B2.2	Lost days due to work injury. 因工傷損失工作日數。	Talent Development 人才發展 Key Statistics 主要數據
KPI B2.3	Description of occupational health and safety measures adopted, and 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。	Talent Development 人才發展
層面B3 : Development and Training 發展及培訓		
General Disclosure 一般披露	Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. 有關提升僱員履行工作職責的知識及技能的政策。描述培訓活動。	Talent Development 人才發展
KPI B3.1	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。	Talent Development 人才發展
KPI B3.2	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。	Talent Development 人才發展 Key Statistics 主要數據
層面B4 : Labour Standards 勞工準則		
General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour. 有關防止童工或強制勞工的： (a) 政策；及 (b) 遵守對發行人有重大影響的相關法律及規例的資料。	Talent Development 人才發展 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
KPI B4.1	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。
KPI B4.2	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 描述	Relevant Chapter(s) and/or Explanation 報告章節/聲明
Operating Practices 運營慣例		
層面B5 :Supply Chain Management 供應鏈管理		
General Disclosure 一般披露	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 Talent Development 人才發展
KPI B5.1	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
KPI B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and 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，以及相關執行及監察方法。	Sustainability Governance 可持續發展管治 Talent Development 人才發展
KPI B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored. 描述有關識別供應鏈每個環節的環境及社會風險的慣例，以及相關執行及監察方法。	Sustainability Governance 可持續發展管治
KPI B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored. 描述在揀選供應商時促使多用環保產品及服務的慣例，以及相關執行及監察方法。	Sustainability Governance 可持續發展管治
層面B6 :Product Responsibility 產品責任		
General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to 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 Environmental Responsibility 環境責任 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 The Group has not identified material concerns in its operations regarding advertising and labelling, dedicated policies are not in place. 本集團並未發現運營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。
KPI B6.1	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 2020. 本集團於二零二零年沒有因安全與健康理由而須回收產品。
KPI B6.2	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 2020. 本集團於二零二零年沒有接獲關於產品及服務的投訴。
KPI B6.3	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
KPI B6.4	Description of quality assurance process and recall procedures. 描述質量檢定過程及產品回收程序。	Environmental Responsibility 環境責任 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。
KPI B6.5	Description of consumer data protection and privacy policies, and 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

ESG Aspects ESG層面	Requirements 描述	Relevant Chapter(s) and/or Explanation 報告章節/聲明
層面B7 : Anti-corruption 反貪污		
General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to 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。	Talent Development 人才發展 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
KPI B7.1	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。	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
KPI B7.2	Description of preventive measures and whistle-blowing procedures, and 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
KPI B7.3	Description of anti-corruption training provided to directors and staff. 描述向董事及員工提供的反貪污培訓	Sustainability Governance 可持續發展管治
Community 社區		
層面B8 : Community Investment 社區投資		
General Disclosure 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
KPI B8.1	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
KPI B8.2	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

Aspect A1 : Emissions

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.

In 2020, 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 "Environmental Responsibility" of the Report on how Everbright Water ensures compliance with the applicable environmental laws and regulations.

層面A1：排放物

為保護和改善環境，防治污染和其他公害，保障公眾健康，推進生態文明建設，促進經濟和社會的可持續發展，中國制定實施了大量環境資源保護的法律。適用於本集團的主要法律及規例包括《中華人民共和國環境保護法》、《中華人民共和國環境影響評價法》、《中華人民共和國水污染防治法》、《中華人民共和國海洋環境保護法》、《中華人民共和國固體廢物污染環境防治法》、《中華人民共和國環境噪聲污染防治法》及《中華人民共和國大氣污染防治法》。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。

二零二零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「環境責任」一章。

Aspect B1 : Employment

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 employers. 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.

In 2020, 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 "Talent Development" of the Report on how Everbright Water ensures compliance with the applicable employment laws and regulations.

Aspect B2 : Health and Safety

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 the Group's top priority 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.

In 2020, 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 "Talent Development" of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to health and safety.

層面B1：僱傭

《中華人民共和國勞動法》、《中華人民共和國勞動合同法》、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。《中華人民共和國社會保險法》規定了疾病、工傷、生育、醫療、退休及死亡保險，並釐清了僱主的相關法律責任。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。

二零二零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「人才發展」一章。

層面B2：健康與安全

《中華人民共和國勞動法》及《中華人民共和國安全生產法》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。《中華人民共和國社會保險法》則規定了疾病、工傷、生育、醫療、退休及死亡保險，並釐清了僱主的相關法律責任。遵守這些法律法規是本集團的首要任務，因為工作場所的安全對本集團每一位員工都十分重要。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。

二零二零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「人才發展」一章。

Aspect B4 : Labour Standards

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 provide 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.

In 2020, 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 “Talent Development” of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to labour standards.

Aspect B6 : Product Responsibility

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, reliable and private service.

The *Water Pollution Prevention and Control Law of PRC* stipulated the specific requirements on effluent. The Group is a leading integrated water environment management enterprise in China that provides integrated water environment management services. The Group ensures that all of its effluents undergo high-efficiency waste water treatment and strictly comply with prevailing requirements on effluents.

In 2020, 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 “Environmental Responsibility” of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to product responsibility.

層面B4：勞工準則

《中華人民共和國勞動法》、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。

二零二零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「人才發展」一章。

層面B6：產品責任

《中華人民共和國產品質量法》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可靠及私隱的服務。

《中華人民共和國水污染防治法》對排放水方面提供了明確要求。本集團作為領先的水環境綜合治理企業，業務主要為提供水環境綜合治理服務。本集團確保其水治理服務的排放水均經過高效的污水處理，並嚴格遵從相關排放要求。

二零二零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「環境責任」一章。

Aspect B7 : Anti-corruption

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.

In 2020, there was no confirmed case of non-compliance in relation to corruption and anti-competitive practices that would have a significant impact on the Group, and there was no legal case related to corruption raised and trial concluded towards the Group or its employees. Please refer to the chapter entitled “Talent Development” of the Report on how Everbright Water ensures compliance with the applicable laws and regulations relating to anti-corruption practices.

層面B7：反貪污

《中華人民共和國反不正當競爭法》、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。

二零二零年並無任何與貪污及反競爭相關並對本集團有重大影響的已確認違規事件，亦沒有對本集團或其僱員提出及審結的貪污訴訟案件。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「人才發展」一章。

2020

Sustainability Report 可持續發展報告

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



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