

普星能量有限公司

PUXING ENERGY LIMITED

(Formerly known as "Puxing Clean Energy Limited" 前稱「普星潔能有限公司」)

(Incorporated in the Cayman Islands with limited liability 於開曼群島註冊成立的有限公司)

Stock Code 股份代號：00090

Environmental, Social and Governance Report 2019

環境、
社會及
管治報告



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About the Group

關於本集團

Puxing Energy Limited¹ (hereinafter referred to as the “Company” or “Puxing Energy”, together with its subsidiaries, collectively the “Group”) is mainly engaged in the development, operation and management of natural gas-fired power plants in the PRC. The four operating gas-fired power plants wholly owned by the Group in Zhejiang Province, the PRC, including Puxing (Anji) Gas Turbine Thermal Power Co., Ltd. (“Anji Power Plant”), Zhejiang Puxing Jingxing Natural Gas Power Co., Ltd. (“Jingxing Power Plant”), Zhejiang Puxing Deneng Natural Gas Power Co., Ltd. (“Deneng Power Plant”) and Zhejiang Puxing Bluesky Natural Gas Power Co., Ltd. (“Bluesky Power Plant”). These four power plants are operated as peaking power plants, which are mainly responsible for acting in concert with relevant government authorities in Zhejiang Province for power generating units according to the regional power grid security requirements.

With the technology development of renewable energy and the energy storage becomes sophisticated, and in responding to sustainability concept, the Group actively expands its gas-related business based on its existing operations in accordance with the requirements under national policies. Currently, Anji Power Plant is carrying out natural gas heating business by way of district central heating, providing steam for manufacturers in proximity. The Group also supplements the electricity consumption in the power plants with electricity generated from photovoltaic power generation projects of Jingxing Power Plant and Anji Power Plant, remaining of which are sold to the power grid to expand its income source. The aggregate installed capacity of these four power plants of the Group amounted to approximately 458MW, including 578kW of photovoltaics power generating units of Jingxing Power Plant and Anji Power Plant.

普星能量有限公司¹（簡稱「本公司」或「普星能量」，連同其附屬公司統稱「本集團」）主要在中國從事以天然氣為燃料的電廠建設、經營及管理。本集團於中國浙江省全資擁有四間營運中的燃氣電廠，包括：普星（安吉）燃機熱電有限公司（「安吉電廠」）、浙江普星京興然氣發電有限公司（「京興電廠」）、浙江普星德能然氣發電有限公司（「德能電廠」）以及浙江普星藍天然氣發電有限公司（「藍天電廠」）。四間電廠皆為調峰電廠，主要滿足浙江省相關政府部門按區域電網安全需求安排發電機組發電。

隨著可再生能源及儲能技術發展日漸成熟，本集團響應可持續發展的概念，按照現有營運基礎以及配合國家政策規定，積極拓展燃氣相關業務。目前，安吉電廠正根據區域集中供熱的方式開展天然氣供熱業務，為附近廠家提供蒸汽。本集團亦通過京興電廠與安吉電廠的光伏發電項目補充電廠用電，亦會將剩餘部份出售予電網，拓闊收入來源。本集團四間電廠總裝機容量達約458兆瓦，當中包括京興電廠與安吉電廠的578千瓦的光伏發電機組。

¹ The Company was formerly known as “Puxing Clean Energy Limited” and “Amber Energy Limited”.

¹ 本公司前稱：「普星潔能有限公司」及「琥珀能源有限公司」。

About the Group

關於本集團

Energy supply of the Group for the year 本集團年度供能

	2019 2019年	2018 2018年	Unit 單位
Natural gas power generation 天然氣發電量	84,015	88,505	MWh 兆瓦時
Electricity generated by natural gas power sold 天然氣發電出售電量	81,733	85,292	MWh 兆瓦時
Heat generated by natural gas ² 天然氣發熱量 ²	107,758	116,836	tonne 公噸
Heat generated by natural gas sold 天然氣供熱量	97,639	104,321	tonne 公噸
Photovoltaic power generation ³ 光伏發電量 ³	645	420	MWh 兆瓦時
Electricity generated by photovoltaic power sold ⁴ 光伏發電出售電量 ⁴	89	75	MWh 兆瓦時

Continuously adhering to the operation strategy of “Safe Production and Stable Operation”, the Group will actively promote the development of diversified energy business, and will transform into an integrated energy supplier with “Energy+Technology” as its core philosophy, dedicated to developing and exploring auxiliary power business, energy contracts management, energy storage and other projects, to promote the Company’s sustainable development.

本集團將繼續秉承「安全生產、穩健經營」的營運策略，積極推動多元化的能源業務發展，並將以「能源+科技」作為核心理念發展轉型成為一家綜合能源供應商，開拓電力輔助業務、能源合約管理及儲能等項目，推進本公司的可持續發展。

² Only Anji Power Plant is engaged in natural gas heating business.

³ Only Jingxing Power Plant and Anji Power Plant are engaged in photovoltaic power generation projects.

⁴ Jingxing Power Plant sells the electricity from photovoltaic power generation while the electricity from photovoltaic power generation at Anji Power Plant is for internal consumption.

² 僅安吉電廠涉及天然氣發熱。

³ 只京興和安吉電廠涉及光伏發電項目。

⁴ 京興電廠有外售光伏發電的電力，安吉電廠光伏發電電力為內部使用。

About this Report

關於本報告

This is the Environmental, Social and Governance (ESG) Report (the “Report”) published by the Group for 2019, which describes the policies, measures and performances of the Company in the ESG aspects. The Report is prepared in both Chinese and English and has been uploaded to the HKExnews website of The Stock Exchange of Hong Kong Limited (the “Stock Exchange”) and the Group’s website (www.puxing-energy.com).

REPORTING SCOPE

This Report discloses the ESG performance of the Group from 1 January 2019 to 31 December 2019 (the “Year”). Consistent with previous years, this Report focuses on the Group’s business operations related to power generation and heating at its power plants located at Zhejiang province, namely, Anji Power Plant, Jingxing Power Plant, Deneng Power Plant and Bluesky Power Plant (collectively “Operating Stations”, each a “Operating Station” in this Report). During the Year, the operating income of the four power plants accounted for 100% of the total revenue of the Group. Based on the principal of materiality (see the table below), this Report does not include other operations of the Group (such as office in Hong Kong and Wenling Juneng Wind Power Generation Co., Ltd.*). The Group will regularly review the reporting scope to ensure that investors and other stakeholders are provided with more comprehensive information.

REPORTING GUIDELINES

This Report is in compliance with the “comply or explain” requirements contained in the “Environmental, Social and Governance Report Guide” (the “Guide”) issued by the Stock Exchange, and follows the four reporting principles as contained therein, including materiality, quantitative, balance and consistency. The following table illustrates how the Group applies these four principles in the preparation of this Report. A complete content index is attached to the last chapter of this Report for easy reference by readers to the Guide.

* For identification purpose only

本報告為本集團二零一九年年度的《環境、社會及管治報告》(「本報告」)，闡述本公司於環境、社會及管治方面的政策、措施和績效。本報告以中、英文編寫，並已刊載至香港聯合交易所有限公司(「聯交所」)披露易網站及本集團網站(www.puxing-energy.com)。

報告範圍

本報告匯報本集團於二零一九年一月一日至二零一九年十二月三十一日(「本年度」)之環境、社會及管治表現。與往年一致，本報告聚焦本集團於浙江省的安吉電廠、京興電廠、德能電廠及藍天電廠(於本報告內統稱「各營運點」)之發電及供熱業務。本年度，四間電廠的營運收益佔本集團總收益的100%。基於重要性原則(見下表)，本報告並未包括本集團其他營運(如：位於香港的辦公室，以及溫嶺聚能風力發電有限公司)。本集團將定期檢視報告範圍，確保為投資者及其他持份者提供更全面的信息。

報告準則

本報告遵守聯交所頒佈的《環境、社會及管治報告指引》(「《指引》」)中有關「不遵守就解釋」的規定，並按照《指引》所載列的四項匯報原則——重要性、量化、平衡及一致性，下表說明本集團如何在編寫本報告中應用該四項原則。本報告最後一章附有完整索引，以便讀者按《指引》閱讀本報告。

About this Report

關於本報告

Reporting principles 匯報原則	Definition 釋義	Application in this Report 在本報告中的應用
Materiality 重要性	<p>The reporting will be focused on the ESG issues which have material effects on the Group and stakeholders. 重點匯報對本集團及持份者產生重要影響的環境、社會及管治議題。</p>	<p>The Group engaged an external consultant to assist the board of directors of the Company (the "Board"), through a questionnaire, to determine important ESG issues, and make key disclosures based on the identified important issues. 本集團委託外部顧問透過問卷調查協助本公司董事會(「董事會」)釐定重要環境、社會及管治事宜，並根據已識別的重要議題作出重點披露。</p>
Quantitative 量化	<p>Key performance indicators (KPIs) need to be measurable, with comparative data where appropriate. 關鍵績效數據須可予計量，並在適當情況下進行比較。</p>	<p>The Group will endeavor to record, measure and disclose quantitative information where practicable and provide previous comparative data as appropriate. To ensure the accuracy of environmental KPIs, the Group engaged an external consultant to conduct carbon assessment, which adopted the national standard of "Guidelines for Accounting and Reporting the Greenhouse Gas Emission — Part I: Power Plants" and international standards, such as ISO14064-1, and Greenhouse Gas Protocol. The quantitative information of the Group's social KPIs was sourced from the statistics and records of the relevant departments of the Group. 在可行情況下，本集團會致力紀錄、計算及披露量化資料，並在合適情況下比較過往績效。為確保環境關鍵績效指標的準確性，本集團委託外部顧問進行碳評估，當中採納中國國家標準《溫室氣體排放核算與報告要求第1部分：發電企業》以及ISO14064-1和溫室氣體盤查議定書等國際標準。本集團的社會關鍵績效指標的量化資料則來自本集團相關部門的統計紀錄。</p>

About this Report

關於本報告

Reporting principles 匯報原則	Definition 釋義	Application in this Report 在本報告中的應用
Balance 平衡	The Group shall report on its ESG performance during the Year in an objective and truthful manner. 本集團應客觀、真實地匯報本年度於環境、社會及管治方面的表現。	This Report is reported in an objective and impartial manner to ensure that information disclosed faithfully reflects the overall performance of the Group in ESG aspects. 本報告以客觀、不偏不倚的方式進行匯報，確保披露的資訊如實反映本集團於環境、社會及管治方面的整體表現。
Consistency 一致性	The preparation method of the ESG Report (including disclosure and statistical approach) shall be consistent, to allow for comparisons of relevant data and indicators for understanding corporate performance. 環境、社會及管治報告的編備方式（包括披露統計方法）應保持一致，令有關數據指標可加以比較，從而瞭解企業表現。	The Group adheres to the principle of consistency in the statistics of ESG data, and strives to ensure the consistency of the disclosure and statistical approach to allow for meaningful comparisons of ESG data over time. If there are any material changes that may affect the comparison with previous reports, the Group will include annotations to the corresponding contents in this Report. 本集團在統計環境、社會及管治數據時，會秉持一致性原則，致力確保披露統計方法保持一致，以令數據於日後能作有意義的比較。若有任何可能影響與過往報告作比較的重大變更，本集團將於本報告相應內容附加註解。

CONFIRMATION AND APPROVAL

All information referred to in this Report is derived from the official documents and statistics of the Group, as well as the management and operation information collected according to the policies of the Group, in an effort to ensure that all the information presented in this Report is accurate and reliable. This Report has been confirmed and approved by the Board on 20 July 2020.

確認及批准

本報告引用的所有資料均來自本集團的正式文件、統計數據，以及根據本集團制度所收集的管理和營運資料，竭力確保本報告所有呈現的資料均準確可靠。本報告已於二零二零年七月二十日獲董事會確認及批准。



About this Report

關於本報告

FEEDBACKS

The Group concerns the opinions from its stakeholders. If you have any enquiry or suggestion on the contents or the reporting form of this Report, please feel free to contact the Group by email at pxe@iprogilvy.com.

意見反饋

本集團重視持份者的意見。如閣下對本報告的內容或匯報形式有任何疑問或建議，歡迎透過電郵方式(pxe@iprogilvy.com)聯絡本集團。

Message from the Directors

董事寄語

As one of the earliest enterprises entering the natural gas power generation field in the PRC, the Group understands the impact of the energy industry on the environment and society, and has always regarded sustainable development as its own mission and strives to fulfil its commitments to the surrounding environment and society during its daily operation. In the face of climate change and energy shortage, the Group actively improve energy efficiency to reduce the impact of operations on the surrounding environment.

The Group has always upheld efficient corporate governance standards. The Board is fully responsible for the management and supervision of corporate governance to ensure effective operation. The Group values sustainability governance and formulates various management policies related to environmental protection, employees and operations in accordance with the Group's sustainability strategy. While complying with laws and regulations, the Group adheres to its responsibility and commitment to sustainable development.

Sustainable development poses various risks and opportunities to the Group. According to the risk management and internal control systems, the Group has identified environmental and social risks that have material impacts on the Group to develop the corresponding countermeasures. The financial management department of the Group conducts regular internal audits under the supervision of the Audit Committee to ensure that the relevant operational risks are minimized during operation.

As an energy supplier who generates electricity by natural gas, the Group pays attention to the effective management of resources, emissions from operations, and the impact on the environment. The Group has developed various management strategies and systems to regulate energy use and emission treatment processes. The Group has also formulated various emergency plans to cope with unexpected environmental pollution accidents. In terms of employees and product quality, the Group is

本集團作為最早進入中國天然氣發電領域的企業之一，深明能源產業對環境及社會帶來影響，一直視可持續發展為己任，致力在營運當中對周邊環境及社區作出承擔。面對氣候變化及能源短缺，本集團積極在提升能源效益的同時，減少營運對周邊環境帶來的影響。

本集團一向秉持高效的企業管治標準，董事會對企業管治的管理及監察作全權負責，確保營運有效運作。本集團重視可持續發展管治，並根據本集團的可持續發展策略制定各項有關環境保護、員工及營運方面的管理政策。在符合法律法規的同時，本集團堅守可持續發展的責任及承諾。

可持續發展為本集團帶來不同機遇和風險，本集團按照已設立的風險管理及內部監控系統，識別對本集團有重大影響的環境及社會風險，從而制定相關措施應對。本集團的財務管理部門按照審核委員會監督下定期進行內部審核，確保營運期間將相關營運風險減至最低。

作為一間以天然氣發電的能源供應商，本集團注重資源有效管理、營運所產生的排放物，以及對環境所帶來的影響。本集團已訂立各項管理策略及制度，規範各能源使用及排放物的處理流程。本集團同時亦制定各項應急預案，以應對突如其來的環境污染事故。在員工和產品質量方面，本集團致力為員工提供一個健康及安全的工作環境；本集團亦重視電能質量，積極地為客戶提供一個穩定及安全的電力供應。本集團一直秉持企

Message from the Directors

董事寄語

committed to providing employees with a healthy and safe working environment; the Group also attaches importance to power quality and actively provides customers with a stable and safe power supply. The Group has always upheld a corporate culture of integrity, and in order to create a zero-corruption corporate environment, the Group has formulated relevant anti-corruption measures and whistleblowing hotline to prevent any misconduct involving commercial bribery.

Maintaining good communication with stakeholders is essential for the Group to identify the focus of sustainable development. During the Year, the Board participated in a questionnaire conducted by external consultants to determine the ESG issues that have a material impact on the Group, and identify the key disclosures in the Report. The questionnaire results will serve as a reference for the Group to formulate sustainability strategies in the future.

Operating as an energy enterprise, the Group is looking forward to the energy era and will transform into an integrated energy supplier with the vision of practicing its core philosophy of “Energy+Technology”. While focusing on its main business of natural gas-fired power generation, the Group actively explores diversified energy business for fresh impetus of the Group and enhancing its long-term growth potential and business value. Looking ahead, the Group will continue to improve its existing environmental and social policies, as well as sustainable development performance, and build a more environment-friendly future for society.

WEI Junyong
Chairman
Puxing Energy Limited

業廉潔文化，為構造一個零貪污的企業環境，本集團已制定相關反貪措施及舉報熱線，杜絕任何涉及商業賄賂等不當行為。

與持份者保持良好溝通對本集團識別可持續發展重心至關重要。本年度，董事會參加由外部顧問開展的問卷調查，釐定對本集團有重大影響的環境、社會及管治議題，識別報告披露重點。調查結果將作為本集團於未來制訂可持續發展策略的參考。

作為能源企業，本集團有著一顆擁抱能源大時代的心，願景實踐「能源+科技」的核心理念，將本集團發展成為一家綜合能源供應商。本集團在以天然氣發電為本業的同時，積極開拓多元的能源業務，為本集團注入新動力並提升本集團的長遠發展潛力及業務價值。展望未來，本集團將繼續完善現時環境及社會相關政策，提高可持續發展績效，為社會構建更環保將來。

魏均勇
董事長
普星能量有限公司



Governance Structure

管治架構

Under the leadership and supervision of the Board, the Group is actively planning the sustainable development management policies and strategies applicable to its business, and is considering the establishment of a dedicated working group responsible for dealing with the ESG matters such as data collection and report preparation.

ESG RISK MANAGEMENT

The Board is fully responsible for maintaining a sound and effective risk management and internal control system, and shoulders the responsibility for managing the Group's operations, compliance and risk management. The risk management and internal control system will be reviewed at least once each year by the Board. During the Year, the Board performed the review process with the support of the Audit Committee.

本集團在董事會負責領導和監督下，正積極規劃適用於其業務的可持續發展管理方針及策略，並考慮透過成立專責工作組，來負責處理環境、社會及管治的數據收集和報告編製等事宜。

環境、社會及管治風險管理

董事會對維持健全有效的風險管理及內部監控系統全面負責，肩負管理本集團有關營運、合規及風險管理的責任。董事會對風險管理及內部監控系統每年至少進行一次檢討。本年度，董事會在審核委員會之支援下執行有關檢討程序。

Governance Structure

管治架構

According to the compliance requirements and risks associated with ESG, the material risks and countermeasures of the Group identified are as follows:

根據環境、社會及管治的合規要求及風險，本集團識別相關重大風險及應對措施如下：

Material ESG Risks

主要環境、社會及管治風險

Potential Impact

潛在影響

Risk Response and Management Measures

風險應對及管理措施

Health and safety 健康與安全

The health and safety of employees is an important part of the Group's business operations. Any production safety accident will have a significant impact on the health and safety of the employees. Under the strict safety production requirements, the Group may be also exposed to legal risks and liabilities.

員工的健康與安全是本集團業務營運重要部分。倘若發生安全生產事故，員工的健康與安全將受到重大影響。面對嚴謹的安全生產要求，本集團亦須承擔相關法律風險及責任。

Each Operating Station has established a "Production Safety Committee", and manages and identifies the occupational health and safety risks in operation in accordance with the "Safety Management System", to protect the personal safety and health of employees during production. The Group also regularly organizes safety and health trainings for employees, and conducts safety inspections and workplace occupational hazard testing to reduce the risks caused by related safety accidents.

各營運點已設立「安全生產委員會」，並根據《安全管理制度》管理及識別營運中所存在的職業健康與安全風險，保障員工生產時的人身安全 and 健康。本集團亦定期為員工舉辦安全及健康培訓、並進行安全巡查及工作場所職業病危害檢測，減少相關安全事故帶來的風險。

Product responsibility 產品責任

It is important for the Group to ensure the safety of electricity use among users. The Group is required to constantly maintain its electricity quality and production level in accordance with the latest industry standards to ensure the confidence of users in the Group.

確保用戶的用電安全對本集團至關重要。本集團需時刻按照行業最新標準維持電力的質量及生產水平，以確保用戶對本集團的信心。

In order to enhance product quality and safety, the Group has adopted the highest safety standards in the industry and taken a series of measures, such as formulating safety objectives, safety inspections in spring and safety day activities.

本集團採納行業最高的安全標準及推行一系列的措施加強產品質量及安全性，包括：制定安全目標、春季大檢查及安全日活動。



Governance Structure

管治架構

The Group understands the increasing importance of the ESG risks to the entire society and the operation of the Group. In the future, the Group will consider the relevant risk factors in formulating its policies and measures, and will incorporate them into the risk management and internal control systems of the Group, so that the potential impact of such risks on the Group can be effectively prevented and mitigated.

本集團明白環境、社會及管治風險對整體社會及本集團營運越漸重要。展望未來，本集團在制定政策及措施時會考慮相關風險因素，並將按有關風險因素納入本集團風險管理及內部監控系統之中，防範及降低其對本集團潛在風險的影響。

Communication with Stakeholders

持份者溝通

The Group understands that maintaining good communication with its stakeholders⁵ is very important for the Group's long-term development. The Group communicates with stakeholders through different channels to understand their expectations on the Group's ESG issues. Their opinions help to identify the risks and opportunities of the Group's sustainable development, determine the Group's business policies for future development, and formulate corresponding policies and measures. The Group understands the importance of communicating with stakeholders. In this regard, it has established effective and accurate communication channels and provided timely responses.

本集團深明與持份者⁵保持良好溝通對本集團實現長遠目標發展非常重要。本集團透過不同渠道與持份者進行溝通，了解他們對本集團在環境、社會及管治議題的期望。他們的意見有助識別本集團在可持續發展的風險及機遇，確定本集團的日後發展的經營方針，以及制定相關政策及措施。本集團明白與持份者溝通的重要性，為此已建立有效、準確的溝通渠道，並提供適時回覆。

⁵ "Stakeholder(s)", also known as "interested party(ies)" or "equity holder(s)", refer(s) to any group or individual significantly influencing or affected by the business of the Group, including the Board, management, administrative staff and general staff at the internal level, as well as the shareholders, business partners, clients, government and regulatory bodies, banks, investors, and community groups at the external level.

⁵ 「持份者」，又稱「利益相關方」或「權益人」，指對本集團業務有重大影響，或會受本集團業務影響的群體和個人，當中包括內部的董事會、管理層、行政員工和一般員工，以及外部的股東、業務夥伴、客戶、政府及監管機構、銀行及投資者和社區團體等。

Communication with Stakeholders

持份者溝通

MAJOR COMMUNICATION MEANS WITH STAKEHOLDERS DURING THE YEAR

本年度主要持份者溝通方式

Employees 員工	Customers 客戶	Suppliers 供應商	Government 政府	Community 社區
<p>Employees could give feedback and suggestions on sustainable development to the Group through employee opinion surveys, intranets and meetings.</p> <p>員工可以透過員工意見調查、內聯網及會議向本集團回饋有關可持續發展的意見及建議。</p>	<p>The Group maintained full communication with customers, including regular visits and telephone communication, to ensure that the products and services could meet customers' needs.</p> <p>本集團與客戶保持充分溝通，包括定期走訪及電話聯絡，確保產品及服務滿足客戶的需求。</p>	<p>Through on-site inspections, the Group was able to examine whether suppliers and other business models can meet the Group's sustainable development requirements.</p> <p>透過實地考察，本集團能夠檢視供應商及其他營運模式能否迎合本集團的可持續發展方面的要求。</p>	<p>The Group participated in conferences on the energy industry development organized by government agencies to understand the latest developments and future trends of the industry. The Group also participated in the formulation of industry policies and provided advice on various issues.</p> <p>本集團參與政府組織所舉辦的能源行業發展會議，了解行業最新發展及未來動向。本集團亦參與行業政策制定，就各項議題提供意見。</p>	<p>The Group communicated with the communities surrounding the production and operation on a regular basis to ensure that it understood their needs and opinions. The Group also encouraged employees to participate in community-invested volunteer activities to give back to society.</p> <p>本集團定期與生產營運周邊的社區進行溝通，確保了解他們的需要及想法。本集團亦鼓勵員工參與社區投資的義工活動，回饋社會。</p>

Communication with Stakeholders

持份者溝通

Material ESG Issues

During the Year, the Group engaged an external consultant to conduct a questionnaire with the Board, to identify ESG issues that are critical to business operations. Based on the results of the questionnaire, the Group has identified six material issues (as shown in the figure below) as focused subject areas in this Report. The Group continued to strengthen communication with stakeholders and carry out more diversified and broader communication activities, such as substantive questionnaires or focus group sessions with employees, customers, partners, and community stakeholders, which will help gain a comprehensive understanding of the opinions and expectations of stakeholders on the Group, and improve relevant policies and measures to create a mutually beneficial and win-win relationship.

重要環境、社會及管治議題

本年度，本集團委託外部顧問與董事會進行問卷調查，識別對業務營運至關重要的環境、社會及管治議題。根據問卷調查結果，本集團釐定了六項重要議題（如下圖所示），作為是次匯報重點探討的議題。本集團將繼續加強持份者溝通互動，開展更多元化及覆蓋面更廣的溝通活動（如：與員工、客戶、合作夥伴，及社區持份者等進行實質性問卷調查或焦點小組），更全面地瞭解並回應持份者對本集團的意見及期望，繼而完善相關政策及措施，締造互惠共贏的關係。





Environmental Protection

環境保護

As an energy company that who generates electricity by natural gas, the Group always pays attention to and avoids the emissions from operation, energy management and the impact of its operations on the surrounding environment. The Group has established regulations on environmental protection, emissions, and energy conservation at each Operating Station, to enhance the energy efficiency of operations and reduce the impact of operations on the environment.

ENVIRONMENT AND NATURAL RESOURCES

The Group mainly uses natural gas as fuel to generate electricity, which has a potential impact on the surrounding environment. Natural gas is mainly transported by natural gas companies through pipelines to power plants. Any leak occurred during the gas transportation will endanger the surrounding environment. As such, the Group has established a “Production Safety Committee”, which is fully responsible for production safety.

In response to the potential risks exposed during the natural gas transportation, each of Operating Stations formulated the “Emergency Plans for Natural Gas Leak from Equipment” based on their respective business situation, and established a leading emergency group and emergency office to handle the emergency management of the Operating Stations, to supervise and manage emergency materials and personnel, as well as to regularly organize emergency drills and training. Each Operating Station also engaged a natural gas pipeline safety engineering company to regularly carry out maintenance and repairs for the pipelines, and to jointly prepare emergency plans to reduce the negative impact of emergency environmental accidents on the surrounding environment and natural resources.

作為一間以天然氣發電的能源企業，本集團時刻關注並避免營運的排放物、能源管理及營運對周邊環境帶來影響。本集團於各營運點已設立有關環境保護、排放物、節能的規定，提升營運能源效益及減少營運對環境的影響。

環境及天然資源

本集團主要透過天然氣作為燃料進行發電，對周邊環境產生潛在影響。天然氣主要由天然氣公司經管道傳送到電廠，若在氣體輸送過程發生洩漏事故，將會危及周邊環境。有見及此，本集團已設立公司安全生產委員會，全面負責安全生產相關工作。

針對天然氣輸送過程所面對的潛在風險，各營運點按其業務情況制定《天然氣管道設備洩漏事故應急預案》，並成立應急領導小組及應急辦公室處理營運點的應急管理工作，監督及管理應急物資和人員，以及定期舉辦應急演練和培訓。各營運點亦委聘天然氣管道安全工程公司定期為管道進行維護及維修，以及與各營運點共同編製應急預案，減低因緊急環境事故而對周邊環境和天然資源所造成的負面影響。

Environmental Protection

環境保護

EMISSIONS

The Group is concerned about the impact of emissions on environmental protection and is committed to reducing waste water, waste gas, waste and greenhouse gases generated during operation. Each Operating Station has formulated the “Environmental Protection Management and Supervision System”, “Environmental Protection Management Standard”, “Management Rules on Greenhouse Gas Emissions”, “Management Rules on Waste”, “Management Standard on Online Monitoring Systems for Smoke and Fumes (Waste Water)” or other relevant policies, which provide guidance for the Group to reduce emissions.

Management of Greenhouse Gas Emissions

The Group attaches great importance to achieving a win-win result of reducing greenhouse gas emissions and increasing investment returns during its operation. Each Operating Station has formulated and implemented the “Management Rules on Greenhouse Gas Emissions” in the recognition of the positive effect of the Company’s greenhouse gas inventory on improving the efficiency of the entire value chain, and manages and controls greenhouse gas emissions to rationally allocates limited resources, and explores potential and opportunities for cost reduction. Within the scope of this regulation, the Group has identified the main sources of greenhouse gas emissions in its power generation and heating operations for each Operating Station.

排放物

本集團關注排放物對環境保護的影響，致力減少於營運過程中所產生的廢水、廢氣、廢棄物及溫室氣體。各營運點已設有《環境保護管理監督制度》、《環境保護管理標準》、《溫室氣體排放管理規定》、《廢棄物管理規定》及《煙氣(廢水)在線監測系統管理標準》等相關政策，為本集團減少排放物提供指引。

溫室氣體排放管理

本集團重視於營運過程中實現溫室氣體減排和增創投資回報的雙贏。各營運點均已制定及執行《溫室氣體排放管理規定》，肯定企業溫室氣體排放清單對提高整個價值鏈效率的正面作用，並且通過管理及控制溫室氣體排放，合理配置有限資源，發掘降低成本的潛力與機遇。在此規定的框架內，本集團已為各營運點識別其發電供暖營運中主要的溫室氣體排放源。

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環境保護

The Group's main sources of greenhouse gas emissions

本集團主要溫室氣體排放源

Stationary combustion: 靜止燃燒：	Fuel combustion of stationary equipment; 靜止設備內部的燃料燃燒；
Process emissions: 工藝排放：	Emissions from physical or chemical processes; 物理或化學工藝過程中所產生的排放；
Fugitive emissions: 無組織排放：	Emissions caused by seams, seals and packaging of equipment; and 設備的接縫、密封件及包裝等產生的洩露；及
Mobile combustion: 移動燃燒：	Greenhouse gases generated by cars, trains, airplanes or ships. 如搭乘汽車、火車、飛機或船舶所產生的溫室氣體。

The Group continually engaged a professional consultant to conduct a carbon assessment to quantify the greenhouse gas emissions generated throughout its operations for the Year. The quantification was based on the Chinese national standard of "Guidelines for Accounting and Reporting the Greenhouse Gas Emission — Part I: Power Plants" and international standards, such as ISO14064-1, and Greenhouse Gas Protocol. According to the result of quantification, the total greenhouse gas emissions generated by each Operating Station during the Year amounted to 56,041 tonnes of carbon dioxide equivalent (CO₂e), among which greenhouse gas emissions from combustion of natural gas for power generation accounted for 64%, greenhouse gas emissions from combustion of natural gas for heating at Anji Power Plant accounted for 31% and the remaining greenhouse gas emissions accounted for 5%.

本年度，本集團繼續委託專業顧問進行碳評估，以量化其營運產生的溫室氣體排放。量化過程參考中國國家標準《溫室氣體排放核算與報告要求第1部分：發電企業》以及國際標準如ISO14064-1及溫室氣體盤查議定書等進行。量化結果顯示，各營運點於本年度產生的溫室氣體總排放量為56,041噸二氧化碳當量，其中用於發電燃燒天然氣所產生的溫室氣體排放佔64%，而安吉電廠用於供熱的天然氣燃燒所產生的溫室氣體排放佔31%，其餘溫室氣體排放則佔5%。

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環境保護

The total greenhouse gas emissions generated by each Operating Station decreased by approximately 8% as compared with 2018. The intensity of greenhouse gas emissions at each Operating Station amounted to 1.9 tonnes of CO₂e/RMB ten thousand of revenue, a decrease of 11.8% from 2018. The decrease in the total amount and intensity of greenhouse gas emissions was mainly due to the decrease in the average annual power generation hours of Anji Power Plant and Deneng Power Plant. At the same time, due to the fact that Jingxing Power Plant and Bluesky Power Plant have not been scheduled to generate power, natural gas consumption has also decreased.

The Group's photovoltaics power generation for the Year was approximately 645MWh (2018: approximately 420MWh), of which approximately 89MWh (2018: approximately 75MWh) was sold to the power grid. The photovoltaics power generation prevented the generation of carbon dioxide emissions of 393 tonnes, an increase of approximately 53% as compared with that of 256 tonnes of CO₂e in 2018.

For details of greenhouse gas emissions, please refer to the "Overview of KPIs" in this Report. Looking ahead, the Group will continue to assess, record and disclose its greenhouse gas emissions and other environmental data annually, to review the effectiveness of the current measures and to formulate its long-term targets and measures on carbon reduction.

Waste gases regulation

The air pollutant emissions at each Operating Station of the Group are mainly derived from nitrogen oxides, sulfur oxides and respirable suspended particulates (RSP) produced from combustion of natural gas in gas-fired boilers and consumption of fossil fuels by vehicles. Each Operating Station managed and detected the waste gas generated during the operation in accordance with relevant policies such as "Environmental Protection Management Standards", "Three Wastes Environmental Protection Management System" and "Assessment and Management Standard for Excessive Pollutant Emission", and conducted detection and monitoring on waste gas emissions. In

本年度各營運點所產生的溫室氣體總排放量較2018年度減少約8%。各營運點溫室氣體密度為1.9噸二氧化碳當量每萬元人民幣收益，較2018年度下降11.8%。溫室氣體排放總量及密度降低的主要原因是安吉電廠和德能電廠年平均發電小時減少，同時由於京興電廠和藍天電廠未獲安排發電任務，天然氣消耗亦有所減少。

本年度，本集團光伏發電量約645兆瓦時（2018年度：約420兆瓦時），其中約89兆瓦時出售予電網（2018年度：約75兆瓦時），光伏發電產生的發電量相當於避免產生393噸二氧化碳排放，較2018年光伏發電所避免產生的二氧化碳排放量（256噸二氧化碳當量）增加約53%。

具體溫室氣體排放數值請見本報告「關鍵績效指標總覽」。展望未來，本集團將繼續評估、紀錄及每年披露其溫室氣體排放及相關環境數據，檢討現行措施績效，並制定長遠減碳目標和措施。

廢氣監管

本集團各營運點的空氣污染物排放主要來源於燃氣鍋爐燃燒天然氣、車輛消耗化石燃料產生的氮氧化物、硫氧化物和可吸入懸浮粒子。各營運點根據《環境保護管理標準》、《三廢環保管理制度》及《污染物超標排放考核管理標準》等相關政策、管理及檢測營運過程中所產生廢氣，就廢氣排放量作出檢測及監控。京興電廠按照《環境保護管理監督制

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accordance with the “Environmental Protection Management and Supervision System”, Jingxing Power Plant has formulated detection procedures and related preventive measures to ensure that waste gases emissions comply with regulatory requirements and prevent pollution accidents. Anji Power Plant and Deneng Power Plant also established an online pollution source detection management system in accordance with the “Management Standard on Online Monitoring Systems for Smoke and Fumes (Waste Water)”.

The air pollutant emissions at each Operating Station for the Year were mainly the air pollutants produced by gas-fired boilers, and waste gas emissions at each Operating Station decreased as compared to 2018, among which, the decrease of nitrogen oxides, sulfur oxides and RSP amounted to 15%, 36% and 38%, respectively. For types of emissions and related emissions data, please refer to “Overview of KPIs” in this Report.

As for waste gas emissions, each Operating Station strives to control the emission concentration of waste gases. For example, in order to reduce nitrogen oxide emissions, Anji Power Plant installed dry low-nitrogen burners, Jingxing Power Plant adopted the water injection low-nitrogen combustion technology and Deneng Power Plant and Bluesky Power Plant utilized the low-nitrogen improvement technology. Jingxing Power Plant, Anji Power Plant and Deneng Power Plant of the Group also regularly engaged testing companies to conduct waste gas testing to ensure that waste gas emissions comply with China’s national pollutant emission standards, being the “Emission Standard of Air Pollutants for Thermal Power Plants”.

度》，制定檢測流程及相關預防措施，確保廢氣排放符合法規要求及預防污染事故發生。安吉及德能電廠亦按《煙氣(廢水)在線監測系統管理標準》設立污染源在線檢測管理系統。

本年度，各營運點空氣污染物排放主要為燃氣鍋爐產生的空氣污染物，而各營運點廢氣排放量較2018年度均有所減少，其中氮氧化物、硫氧化物和可吸入懸浮粒子分別減少約15%、36%和38%。具體排放物種類及相關排放數值請見本報告「關鍵績效指標總覽」。

針對廢氣排放，各營運點致力控制廢氣的排放濃度，例如：安吉電廠採用乾式低氮燃燒器、京興電廠採用注水低氮燃燒技術，德能電廠和藍天電廠採用低氮改造技術以減少氮氧化物排放量。本集團的京興、安吉及德能亦定期委託檢測公司作廢氣檢測，確保廢氣排放符合中國國家污染物排放標準（即《火電廠大氣污染物排放標準》）。

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Waste treatment

In order to ensure that the proper disposal of and recycling waste generated during the operation, each Operating Station has established guidance procedures related to waste according to the “Solid Waste Management System”, “Management Plans for Hazardous Waste — Formulated Guidelines”, “Waste Oil Management System” and “Three Wastes Environmental Protection Management System”. The summary of the types and treatment methods of the wastes is set out below.

廢棄物處理

為確保營運中所產生的廢棄物得到適當的處理及回收，各營運點已分別按《廢棄物管理制度》、《危險廢物管理計劃制定指南》、《廢油管理制度》及《三廢環保管理制度》，設定廢棄物處理相關的指引程序。下表總結廢棄物類別及其處理方法。

Type of Waste 廢棄物類別	Example 廢棄物例子	Treatment 處理方法
Recyclable waste 可回收廢棄物	Waste packaging, waste paper, and scrap metals 廢包裝物、廢物、廢金屬	Waste paper and scrap metals are delivered to the recycler for recycling based on their classification; 廢紙及廢金屬按分類由回收商進行回收； Waste oil shall be stored separately after classification and recycled by the recycler. 廢油按分類並隔離存放，由回收商進行回收。
Non-recyclable and non-hazardous waste 不可回收無毒廢棄物	Domestic waste, and construction waste 生活垃圾、建築垃圾	Domestic waste is stored in domestic garbage bins and transported to the domestic waste dump every day; 生活垃圾存放在生活垃圾桶，並每天送到垃圾堆放處； Construction waste is handed over to the authorized departments for regular clearance. 建築垃圾由認可部門定期清理。
Non-recyclable hazardous waste 不可回收有毒廢棄物	Waste chemicals, waste drugs, waste batteries, waste fluorescent tubes, waste paint, and waste ink cartridges 廢化學危險品、廢藥品、廢電池、廢日光燈管、廢油漆、廢墨盒	Non-recyclable hazardous waste is stored separately after classification and regularly recycled by authorized departments. 不可回收有毒有害廢棄物均分類存放，並由認可部門定期回收。



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Each Operating Station carried out refuse classification according to the above systems for standardized disposal; and waste oil is disposed by the waste disposal unit once a year. The Group has fire-fighting equipment and devices at the waste dumps and builds fire safety passages and anti-diffusion facilities on the site to prevent fire or dangerous product safety accidents. Relevant personnel for waste disposal will also conduct regular inspections to ensure compliance with safety standards.

During the Year, the Operating Stations generated a total of 1.9 tonnes of hazardous waste, including waste mineral oil and mineral oil-containing waste, and all of hazardous waste was collected and disposed by qualified contractors. On the other hand, the Operating Stations generated non-hazardous waste of 38.8 tonnes during the production and operation, including the general domestic waste, paper, plastic, metal, most kitchen waste, the sludge generated by water purifiers and the waste filters, all of which were handed over the waste disposal companies for cleaning and transportation. The amount and intensity of hazardous waste and non-hazardous waste for the Year in terms of revenue were lower than in 2018. The Group also recycled 0.56 tonnes of kitchen waste for composting and reuse.

各營運點均根據上述制度進行垃圾分類，並統一處理；廢油由廢棄物處置單位每年進行一次處理。本集團在廢棄物的堆放處設有消防設備器材、場地設有消防安全通道，以及防揚散設施，以防火災或危險品安全事故發生。相關廢棄物處理人員亦會定時進行檢查，確保符合安全標準。

各營運點於本年度內共產生1.9噸有害廢棄物，如廢礦物油及含礦物油廢物，所有有害廢棄物均經由專業危廢處理商收集和處理。同時，各營運點生產運營過程中產生無害廢棄物38.8噸，包括一般生活垃圾、紙張、塑料、金屬、大部分廚餘、淨水器產生的淤泥，以及廢過濾器濾芯等，均交由廢棄物處理商收集和運走。本年度有害廢棄物及無害廢棄物產生量及按收益計算密度均較2018年度降低。本集團亦將0.56噸廚餘回收用於堆肥再利用。

Environmental Protection

環境保護

Wastewater reuse

The Group is committed to saving water and recycling waste water, and ensuring that its operations comply with relevant national standards in the PRC, i.e. the “Integrated Wastewater Discharge Standards”. In accordance with the internal policies and guidelines such as the “Three Wastes Environmental Protection Management System” and “Management Standard on Online Monitoring Systems for Smoke and Fumes (Waste Water)”, the Group requires that the policy of separating clean water from used water and categorising wastewater for collection and treatment shall be implemented for any type of discharged wastewater and sewage, and integrated utilization or pre-treatment shall be carried out at each Operating Station to establish standardized sewage outfalls. According to these national standards and the policies of the Group, each Operating Station has taken various wastewater treatment measures. For example, Bluesky Power Plant has installed underground domestic sewage treatment equipment, and a total of 4,280m³ wastewater was reused by the Operating Stations for washing, flushing, watering, boiler hydration, and filter backwashing during the Year. In addition, the water sources of the toilets in the plants and offices in each Operating Station have been changed to industrial wastewater. The Group has also replaced the reverse osmosis membrane of the wastewater filter, and recycled wastewater for greening and refreshing industrial pools to reduce the external discharge of wastewater. The Group also regularly prepares wastewater testing reports to ensure that the water quality is in line with the “Water and Wastewater Quality Determination Methods” of the State Environmental Protection Administration.

USE OF RESOURCES

The Group gives weight to effective use of resources and energy conservation in the course of production. To regulate resource management, each Operating Station has developed policies on resource management, water saving and energy saving based on its operating procedures, including “Administrative Rules for Energy and Resources”, “Water Conservation Administrative Measures” and “Energy Conservation Administrative Rules”.

廢水回用

本集團致力節省用水並循環將廢水再用，並確保營運符合相關中國國家標準（即《污水綜合排放標準》）。本集團按照《三廢環保管理制度》及《煙氣（廢水）在線監測系統管理標準》等內部政策指引，要求對所排出的各種廢水和污水實施清污分流及分類收集處理，並在各營運點內開展綜合利用或預處理，建設規範化排污口。根據該等國家標準及本集團政策規定，各營運點已開展各項廢水處理措施，例如，藍天電廠已設置埋地式生活污水處理設備，而本年度各營運點用於洗車、沖廁、澆花、鍋爐補水或反洗過濾器的廢水重用量達4,280立方米。此外，各營運點內廠房及辦公室的抽水馬桶水源已改用工業廢水，本集團亦已更換廢水過濾器的反滲透膜，以及將回收廢水用於綠化環境及補充之工業水池，達至減少廢水對外排放。本集團亦定期進行廢水檢測報告，確保水質符合國家環保總局的《水和廢水檢測分析方法》。

資源使用

本集團十分重視在生產過程中能否有效地運用資源及節約能源。各營運點均按其營運流程制定有關資源管理、節水及節能的政策，包括《能源、資源管理制度》、《節水管理制度》及《節能管理制度》，在資源管理方面作出規範。

Environmental Protection

環境保護

Energy consumption

The Group attaches great importance to, and is responsible for monitoring, checking, adjusting, and assessing, the energy efficiency in the course of power infrastructure construction and production. It also established an energy-saving technology management system to manage the Group's plants in accordance with the "Supervisory and Administrative Standards for Energy-Saving Technology". Based on these systems, each Operating Station shall adopt various energy production and consumption measures from the aspects of technology, economic burden, and environmental and social factors.

On this basis, each Operating Station adopted various measures to deepen energy conservation and consumption reduction. For example, Anji Power Plant has established an "Energy Conservation Management System" and set up a leading group for energy conservation and emission reduction, which is responsible for daily energy conservation, including dispatch of power generation units based on power grid scheduling requirements, inspection and maintenance of production equipment, and review and training. To encourage employees to participate in the implementation of energy-saving policies, Anji Power Plant has also developed an "Energy-saving Assessment Reward and Punishment System" and an "Energy-saving and Consumption-reduction Target Responsibility System" to raise employees' awareness of energy conservation and provide rewards and recognition to departments and individuals for their significant performance in energy conservation. Deneng Power Plant implemented the "Administrative Rules for Energy and Resources" and adopted various management measures to reduce consumption and effectively use energy through various departments, such as managing energy-consuming equipment, researching new energy-saving technologies and equipment, evaluating energy consumption indicators and implementing daily energy saving measures.

能源消耗

本集團重視本集團的電力基建及生產過程的能源效益，本集團負責對其進行監督、檢查、調整及評估，根據《節能技術監督管理標準》設立管理本集團各廠房的節能技術管理系統。各營運點需按此標準，從技術層面、經濟負擔、以及環境與社會等因素採納各項能源生產及消費措施。

在此基礎上，各營運點採取各項深化節能降耗制度措施。例如，安吉電廠已設立《節能管理制度》以及成立節能減排工作領導小組負責日常節能工作，包括根據電網調度要求進行機組調度、為生產設備檢查維修、以及進行審查及提供培訓。為鼓勵員工參與實行節能政策，安吉電廠更設立「節能考核獎懲制度」及「節能降耗目標責任制」，提高員工對節能的意識，對節能工作有顯著績效的部門及個人提供獎勵及表彰。德能電廠則實行《能源、資源管理制度》，並透過各部門採取各項降低消耗及有效地利用能源的管理措施，例如：管理耗能設備、研究新節能技術及設備、評估耗能指標及執行日常節能措施。

Environmental Protection

環境保護

Each Operating Station also continued to implement various measures to reduce electricity consumption. For example, Anji Power Plant and Bluesky Power Plant changed the state of the unit to “hot standby” when the unit was shut down, and operated standby-transformer to provide power in the plant, so as to reduce the energy consumption of the main transformer equipment during no-load operation; Jingxing Power Plant installed solar panels on the roof of the plant facilities for photovoltaic power generation; while Deneng Power Plant was equipped with a light-sensitive switch and adjusted the time of using lighting and fans in the plant together with Anji Power Plant. Each Operating Station adopts waste heat power generation. The Operating Stations use waste heat released from the operation of gas turbines to steam water in the boilers, and the steam enters steam turbines to generate power.

During the Year, the Group witnessed a general decline in energy consumption, as the Group continued to comply with the power grid dispatching arrangement of the Zhejiang Provincial Government, to primarily generate power at their peak hours, accompanied by ongoing maintenance. In addition, due to the shortage of natural gas supply in winter, it was not necessary to run machines for power generation in some months, and the total natural gas consumption of the Group decreased accordingly. During the Year, the Operating Stations consumed purchased electricity and self-generated electricity of 7,398MWh in aggregate. Among them, the Group generated electricity of 645MWh through photovoltaic power generation at Anji Power Plant and Jingxing Power Plant, of which, Jingxing Power Plant's photovoltaic power generation was used for both self-consumption and external sales purposes, while Anji Power Plant's photovoltaic power generation was reserved for internal consumption only. This reduced traditional energy consumption by using solar energy. The total amount and intensity of energy consumption at each Operating Station for the Year was 106,726MWh and 3.65MWh/RMB ten thousand, respectively, representing decrease of approximately 37% and 39% as compared with 2018. For details of energy consumption by type, please refer to “Overview of KPIs” of this Report.

各營運點亦持續實行各項減少用電的行動措施。其中，安吉電廠和藍天電廠在機組停運時改動機組狀態至「熱備用」，並採用高備變壓器運行提供廠內用電，減少主變電設備空載運行的能耗；京興電廠在廠區設施屋頂加裝太陽能板進行光伏發電；而德能電廠則改設加裝光感開關，並與安吉電廠一同調整廠內使用照明及風扇的時間。各營運點亦進行餘熱發電，利用燃氣輪機於生產過程所釋放的餘熱，將鍋爐用水加熱產生蒸汽，推動蒸汽輪機並在發電機進行發電。

本年度，本集團繼續配合浙江省政府的電網調度安排，即以頂峰發電為主，保養發電為輔，因而整體能源消耗呈下降的趨勢；另外，本集團亦受到冬季天然氣供應緊缺影響，導致部分月份不需要開機發電，總天然氣消耗量得以減少。各營運點本年度共消耗外購電力和自產電力7,398兆瓦時。其中，本集團於安吉電廠和京興電廠通過光伏發電共產生電力645兆瓦時，當中京興電廠的光伏發電電力除自身消耗之外亦對外銷售，而安吉光伏發電電力則只供內部使用，相當於通過使用太陽能減低傳統能源消耗。本年度各營運點能源總耗量及按收益計算能源使用密度分別為106,726兆瓦時及3.65兆瓦時每萬元人民幣，較2018年度分別降低約37%及39%。具體按類型劃分的能源消耗量請見本報告「關鍵績效指標總覽」。

Environmental Protection

環境保護

Water consumption

The Group is committed to the effective use and management of water resources in its operations. Each Operating Station conducted water-saving management and measures in accordance with its "Water Conservation Administrative Measures" or "Administrative Rules for Energy and Resources". Jingxing Power Plant, Anji Power Plant and Bluesky Power Plant were also responsible for water conservation management by their production departments or special management departments as required.

水資源使用

本集團致力在營運中有效使用及管理水資源。各營運點均按照其《節水管理制度》或《能源、資源管理制度》等實施節水管理及措施。京興電廠、安吉電廠及藍天電廠亦按需要由其生產部或特設管理機構負責節水管理工作。

Main duties of water conservation

節水管理主要職責

Leading Taskforce for Water Conservation

節水工作領導小組

Responsible for water-saving management of the plants, implementing water conservation guidelines, policies and laws and regulations; and
負責全廠節約用水的管理，執行節水工作方針、政策及法律法規；及

Formulating water conservation policies, providing water-conservation training and promoting daily water conservation publicity work.
編製節水工作制度，提供節水培訓及推動日常節約用水宣傳工作。

Production Technology Department

生產技術部門

Formulating and implementing water-saving rules and objectives; 制定及實施節水規則及目標；

Supervising water conservation transformation projects; and 監督節水改造項目；及

Responsible for managing the special funds of water conservation.
負責管理節水專項資金。

Water Conservation Engineer

節水管理工程師

Preparing long-term projection and annual plans for water-saving work;
編寫節水工作長遠規劃及年度計劃；

Implementing water-saving work and monitoring the water conservation facilities; and
實施節水工作並監督節水設施情況；及

Participating in the formulation, review and acceptance of various water conservation engineering projects.
參與制定、審查及驗收各項節水工程方案。



Environmental Protection

環境保護

Based on these systems, each Operating Station has taken different measures to reduce water consumption and enhance the reuse rate of water, such as replacing faucets in canteens with more efficient faucets; and regularly maintaining and repairing leaking pipelines for running water pipes.

During the Year, the Operating Stations reported a total water consumption of 410,349m³, representing a decrease of 11% as compared with 2018. Water consumption intensity (in revenue) was approximately 14m³/RMB ten thousand, representing a decrease of approximately 15% as compared with 2018.

Domestic water as consumed by the Group is mainly provided by the municipal pipeline network. Industrial and production water at each Operating Station is mainly derived from surface water of nearby water sources, including canals, the confluence of Fuxi creek, Xuxi creek, and West Tiaoxi creek, and Shengjiaqiao Port, with water collection permits received from the local water conservancy bureaus. Therefore, the Group had no difficulty in acquiring water sources.

在制度基礎上，各營運點在減少水資源消耗及提升用水的重用率方面實施不同的措施，例如：更換食堂的水龍頭至較省水的水龍頭；以及定期為自來水管道進行維護及修復漏水管道。

本年度各營運點共消耗水資源410,349立方米，比2018年度減少約11%。耗水密度按收益計算約14立方米每萬元人民幣，較2018年度降低約15%。

本集團從市政管網抽取生活用水，而各營運點的工業生產用水主要來自鄰近取水地點（包括：大運河、阜溪、潯溪與西苕溪匯流，及盛家橋港）的地表水，並已獲當地水利局審批出具取水許可證。本集團在求取水源上無任何問題。

Employee Care

員工關懷

The success of the Group depends on the efforts and contributions of the employees. The Group is committed to providing employees with a comprehensive employment system and a safe and healthy working environment in accordance with relevant policies such as the “Employee Handbook” and “Human Resources Management Policy”.

EMPLOYMENT SYSTEM

According to the employment management system including the “Employee Handbook” and “Human Resources Management Policy”, the Group makes arrangement for employees in recruitment, dismissal, remuneration, promotion, rest periods and other fringe benefits.

本集團的成功有賴員工共同發展努力和貢獻。本集團按照《員工手冊》及《人事資源管理制度》等相關政策，致力為員工提供完善的僱傭制度及一個安全健康的工作環境。

僱傭制度

本集團根據《員工手冊》及《人力資源管理制度》在內的僱傭管理制度，規定員工在招聘、解僱、薪酬、晉升、假期及其他福利待遇的安排。

Recruitment and dismissal 招聘及解僱

The Group recruits employees on the principle of “fair competition and merit-based employment”. The Group conducts medical examinations for the recruited personnel to ensure that there are no adverse physical conditions affecting their work.
本集團按「公平競爭、擇優錄用」的原則招聘員工。本集團為獲聘的人員進行入職身體檢查，確保身體沒有不良情況影響工作。

The Group or employees may terminate the labour contract as required, but shall notify in advance according to the procedures in the management system.
本集團或員工可按需要提出終止勞動合同，並須按管理制度內的程序提前作出通知。

Remuneration and benefits 薪酬及福利

The Group determines employee remuneration, benefits and allowance based on the position, skills, performance and other factors in accordance with the “Implementation Rules of the Remuneration Framework”. The Group also provides its employees with performance-based bonus and overtime pay based on their performance and actual work.
本集團根據《薪資框架實施細則》，按照員工崗位、技能、績效等因素制定員工薪酬、福利及補貼。本集團亦按員工表現及工作狀況發放績效獎金及加班工資。

The Group makes contributions to various social insurance and housing provident funds for its employees. In addition, the Group also offers other benefits, such as employee medical examinations and medical insurance, to ensure employees’ medical protection.
本集團為員工交納各項社會保險及住房公積金。此外，本集團亦提供員工身體檢查及醫療保險福利，確保員工在醫療得到保障。

Employee Care

員工關懷

Promotion 晉升

According to the “Administrative Measures for Employee Promotion”, the Group encourages employees to improve their job skills through training and examinations in accordance with the requirements of the “Administrative Measures for Skills Training”, so that they can be promoted. The person in charge of each department shall strengthen communication with employees to understand their own career development plans, and enhance their personal professionalism and capabilities to meet the requirements of new positions.

本集團根據《員工職位晉級管理方法》，鼓勵員工按照《技能培訓管理辦法》的要求，通過培訓及考試，提升崗位技能，得以崗位晉級。各部門的負責人應與員工加強溝通，了解其自身職業發展規劃，培養員工的個人專業素養及能力，達到新崗位的要求。

Rest periods 假期

In addition to statutory holidays, employees of the Group also enjoy various paid holidays, including annual leave, wedding and funeral leave, paternity leave and breastfeeding leave. Employees who have been employed for one year and have an attendance rate of 95% can enjoy 5–15 days of annual leave.

本集團員工除法定假日外，亦享有各種帶薪假期，包括年休假、婚喪假、男士護理及哺乳假等。工作滿1年及出勤率達95%的員工可享有5–15天的年休假。

The Group adopts the principle of non-discrimination for all employees and applicants, and pursues the practices of equal opportunity and anti-discrimination as required under the “Labour Law of the People’s Republic of China”. The Group holds a “union chairman reception day” for employees every month to allow employees to give feedback and suggestions on the issues of daily work and occupational discrimination.

本集團對所有員工及應徵者採取一視同仁的原則，按照《中華人民共和國勞動法》執行有關平等機會及反歧視等的相關要求。本集團每月為員工舉辦「工會主席接待日」，讓員工就日常工作及職業歧視所存在的問題回饋意見及建議。

Currently, despite absence of employee diversity policy, the Group will from time to time assess and realign the employee structure in line with the business development requirements, and adopt its philosophy of “competence-based and merit-based employment” to achieve the employee diversity. The Group will continue to review the current employment system and consider how to improve the Group’s policy and rules regarding diversity.

本集團尚未制訂員工多元化的相關政策。展望未來，本集團將按業務發展需要對員工架構進行評估和調整，並根據「量才錄用、任人唯賢」的用人原則實現企業多元化。本集團將持續審視現行僱傭制度，檢討如何完善本集團有關多元化方面的制度及規定。

Employee Care

員工關懷

The Group also regularly organizes employee activities to enrich employees' lives and enhance their sense of belonging to the Group, including tree planting activities, rice dumplings activities at Dragon Boat Festival and skills contests with a theme of "artisan spirit".

During the Year, the Group had a total of 214 employees, of which female employees and general employees accounted for 25% and 88% of the total employees, respectively. The ratio of newly hired employees and turnover rate for the Year were 10% and 16%, respectively.

HEALTH AND SAFETY

As an enterprise focused on the power industry, the Group values and safeguards the health and safety of its employees over the course of its business operations. To regulate the safety management system of the Group, it has formulated various policies, including "Administrative Rules for Production Safety", "Supervisory and Administrative Measures for Production Safety" and "Employee Manual". In accordance with the "Administrative Rules for Production Safety", the Group has established the Production Safety Committee that shall be fully responsible for production safety throughout the Group, which is comprised of safety performance target, production safety accountability, and budgeting plans. All safety production officers at various Operating Stations will enforce the safety management rules formulated by the Production Safety Committee and carry out supervision.

本集團亦定期舉辦員工活動，豐富員工的生活及增強員工對本集團的歸屬感，包括：植樹活動、端午節包粽子活動及「工匠精神」技能大比武。

本年度，本集團共僱用214名員工，其中女性佔總員工人數的25%，一般員工佔總員工人數88%。本年度新入職員工比率及員工流失率分別為10%及16%。

健康與安全

作為一間電力企業，員工的健康與安全對本集團營運非常重要。本集團已制訂《安全生產管理制度》、《安全生產監督管理辦法》及《員工手冊》規範本集團的安全管理制度。本集團已按照《安全生產監督管理辦法》設立安全生產委員會，全面負責本集團有關安全生產的工作，包括制定安全目標、安全生產責任制、編製預算計劃。各營運點的安全生產主管執行安全生產委員會所制定的安全管理工作並進行監督。

Employee Care

員工關懷

Duties of Operating Stations Pertaining to Safety Management in the Course of Operation 各營運點在營運過程的安全管理職責

- To establish the rectification systems, as well as risk prevention and control systems, for the purposes of production safety so that production safety hazards risks can be identified and brought under control;
- 建立安全生產隱患治理制度及風險預控體系，對安全生產隱患和風險作出識別及監控；
- To formulate production safety standards in respect of identified hazards and risks, as well as management systems;
- 針對已識別的隱患和風險制定安全生產標準，並制定管理工作體系；
- To hold routine safety meetings, carry out safety inspection at power plants, and organize training, promotion, and education programs as to production safety, as well as fire drills;
- 進行日常安全例會、執行電廠的安全檢查，以及開展安全生產培訓宣傳教育工作及進行消防演習；
- To assess the inspection and rectification as to safety hazards in accordance with the “Administrative Rules for Safety Hazards”, and formulate the corrective and responsive measures;
- 根據《安全隱患管理制度》進行安全隱患排查治理評估，制定相關糾正及應對措施；
- To establish power emergency management systems and formulate emergency plans. Regular emergency drills shall be carried out and a storage policy shall be in place for emergency supplies; and
- 建立電力應急管理體系及制定應急預案。定期進行應急演練及準備應急物資儲備制度；及
- To carry out investigations into power accidents.
- 對電力事故進行調查處理。

In addition, each Operating Station shall formulate rules governing occupational disease and work-related injuries. For instance, Bluesky Power Plant has formulated the “Administrative Standards for Occupational Hygiene”, whereby prescribing that an occupational health profile, onboard health check, and occupational disease and hazard examination shall be arranged for each employee. Furthermore, occupational disease emergency and relief measures shall be established, while employees shall be provided with occupational disease protection equipment, first-aid kits, and personal protective equipment. In the meantime, regular maintenance shall be carried out for equipment. Deneng Power Plant has formulated the “Work Injury and Accident Management Standards” to provide guidelines for the management of work injuries and accidents, as well as post-mortems on these accidents.

During the Year, each of the Operating Stations was not aware of any safety accident that leads to death or work injuries.

此外，各營運點亦根據需要制定有關職業病及工傷事故的規定。例如，藍天電廠已制定《職業衛生管理標準》，規定為員工建立職業健康檔案、安排進行入職健康檢查及職業病危害檢測，以及制定職業病應急救援措施，並為員工提供職業病防護裝備、應急裝備及個人防護用品，同時亦進行定期裝備保養。德能電廠亦設立《工傷事故管理標準》，就工傷事故的處理流程以及事後事故調查提供指引。

本年度，各營運點未有發生任何安全事故導致因工死亡或工傷意外事件。

Employee Care

員工關懷

DEVELOPMENT AND TRAINING

The Group stresses the importance of improving the knowledge and skills of its employees in their work performance, and thereby committing itself to providing training and development opportunities for its employees. In accordance with the “Management Measures for Skill Training”, the Group specifies the training scope and training procedures, while encouraging its employees to proactively participate in its training programs.

The Group, subject to various professionalism required for positions, divides its training program into seven areas, namely, induction training, production expertise training, safety and risk control training, external certification training, administrative and human resources training, finance-related training, and management philosophy training. This program is committed to improve the knowledge and skills of new employees, specialty employees, and administrative officers so that they can fulfil the requirements set for their current or future work.

發展與培訓

本集團重視提升員工執行工作職責的知識及技能，致力為員工提供培訓和發展機會。本集團根據《技能培訓管理辦法》訂明培訓範圍及培訓具體流程，推動員工積極參與本集團培訓計劃。

本集團根據不同崗位專業分為入職培訓、生產專業技術培訓、安全及風控培訓、外部取證培訓、行政人事類培訓、財務類培訓及管理理念培訓等七部分，致力為新入職員工、特殊工種員工及行政人員提升知識和技能，以履行當前或將來的工作。

Training Programs for the Year 本年度部份培訓課程

Dispatching Management System
調度管理制度

Working Mechanism and Repair of Various Combustion Engines and Equipment
燃機各種設備原理與檢修

Boiler Feed Pump's Working Principles and Maintenance
鍋爐給泵原理與檢修

Work Safety Procedures
安全工作規程

Chemical Water Treatment Equipment and Operation
化學水處理設備與運行

Plant Emergency Plan
電廠應急預案

Employee Care

員工關懷

To ensure the training efficiency, the Group will organize skill tests twice a year to assess the training results of each trained employee. The skill test results serve the importance reference for the employees for position promotion and outstanding performance recognition. To assist our employees in maintain their business skills, each department head shall communicate with the participant following completion of the skills test and provide recommendations on improvement of the skills. The department head shall also prepare a written report on the test results and submit them to the office of the personnel administration. Where any employee disagrees to the testing procedures and results, he/she may submit a written complain to the relevant department.

During the Year, a total of 244 employees⁶ received training at the Operating Stations, among which, female employees and general employees accounted for 23% and 89% of the total trained employees. During the Year, each employee at the Operating Stations on average received 48.4 hours of training.

LABOUR STANDARD

The Group prohibits the use of child labour in its business operation. In accordance with its "Employee Manual" and "Human Resources Management Policy", the Group prohibits the employment of children under the age of 18. Over the course of employment, the Group shall verify the identification documents of the candidates. In case of use of child labour by mistake, the Group will immediately terminate their work, and arrange health check for them to ensure that they are healthy. Then, the Group will make payments to such underaged employees and escort them to their guardians. Furthermore, the Group will report the mistaken employment of child labour to the local labour administration.

為確保培訓績效，本集團每年舉行兩次技能考試，評估受訓員工受訓成果。技能考試結果可為員工在崗位晉升及評優的重要基礎依據。為幫助員工鞏固業務技能，各部門負責人在考試結束後與受訓員工面談及提供改善意見。部門負責人亦對考試結果編成書面報告及上報行政人事辦公室。若員工對考試過程及結果存有異議，可以以書面形式向相關部門提出申訴。

本年度，各營運點累計244名員工⁶接受培訓，當中女性員工佔培訓員工總人數23%，而一般員工則佔89%。各營運點本年度平均每名員工曾接受48.4小時的培訓。

勞工準則

本集團嚴禁在營運聘請童工。本集團根據《員工手冊》及《人力資源管理制度》禁止錄用未滿十八歲童工。在招聘過程中，本集團需核實應聘者的身份證明文件。如發現誤聘童工，本集團立即停止其工作，並帶往進行身體檢查，確保該童工健康。本集團向該童工發放所有薪資及專人護送至其監護人。本集團亦按規定上報當地勞工管理部門有關誤聘童工事件。

⁶ The number of trained employees include those resigned employees during the Year.

⁶ 接受培訓員工人數包括本年度部份離職員工。

Employee Care

員工關懷

The Group prohibits the practice of forced labour. In accordance with the “Human Resources Management Policy”, any employee who wishes for overtime work must be voluntary and submit an application to the department head for approval. The Group is required to make overtime payments to such employee based on the overtime hours. Furthermore, any employee may voluntarily terminate the labour contract at any time in accordance with the employment rules.

本集團禁止強制勞動員工。根據《人力資源管理制度》，員工加班必須自願並得到部門負責人審批，本集團需向該名員工按加班工時發放加班費。員工亦隨時按僱傭制度規定主動解除勞動合同。



Operation Responsibility

營運責任

As an enterprise focused on natural gas power generation, the Group fully understands the impact of supply chain and quality management on the Group's operations. To provide safe and stable power services, the Group has established a series of quality control and supply chain management measures, including "Supplier Management Standards" and "Safety Management Standards". The Group has always adhered to corporate integrity and business ethical values, and is committed to building an uncorrupted business environment. The Group has formulated relevant measures through the "Employee Handbook" to prevent any corruption or bribery.

SUPPLY CHAIN MANAGEMENT

Since its production process involves a large amount of natural gas resources as power generation energy, the Group needs to ensure that the natural gas suppliers meet its environmental and social expectations and requirements for the suppliers. The Group has established supplier management systems such as "Materials Supplier Management Standard", "Management Rules and Implementation Process for Tendering and Bidding" and "Supplier Qualification Approval Notice", to standardise supplier screening process.

作為一間以天然氣發電的企業，本集團深明供應鏈及品質管理對本集團營運的影響。為提供安全及穩定的電力服務，本集團已設立一系列的質量控制及供應鏈管理措施，包括《供應商管理標準》及《安全管理標準》。本集團亦一直堅守企業誠信及商業道德價值，致力構建一個廉潔的營商環境，本集團透過《員工手冊》制定相關措施，防範任何貪污賄賂的行為。

供應鏈管理

由於本集團的生產過程涉及大量的天然氣資源作為發電能源，本集團需確保天然氣供應商符合本集團對供應商的環境及社會期望和要求。本集團已制定《物資供應商管理標準》、《招投標管理細則及實施流程》及《供應商資格審查須知》等供應商管理制度，以規定供應商篩選流程。

Operation Responsibility

營運責任

When selecting suppliers, the Group will consider their environmental and social performance and decide on the most suitable supplier based on factors such as product quality and pricing. In accordance with "Supplier Qualification Approval Notice", the relevant standards for suppliers are as follows:

本集團在選擇供應商時會考慮供應商環境及社會方面的表現，按產品質量及價格等因素決定選擇最適合的供應商。根據《供應商資格審查須知》，供應商相關標準如下：

Supplier Qualification Standard 《供應商資格標準》

Business ethics: 商業道德：	Suppliers shall take integrity as their business concept and construct an environment of fair trade competition in compliance with government laws and regulations; 需具備商業誠信、需確保遵守政府的法律法規，並確保公平貿易競爭；
Market activities: 市場活動：	Suppliers are required to supervise its subcontractors and service providers to ensure that they comply with the rules set by suppliers; 需監管其分包商及服務供應商，確保他們遵守供應商的規則；
Legal employment: 合法用工：	Suppliers shall undertake that the employment standards are in compliance with the relevant national laws and regulations, and that no illegal employment shall be permitted; 須承諾用工標準符合國家的法律法規，不得存在非法勞工情況；
Environmental protection: 環境保護：	Suppliers are required to strictly comply with the relevant provisions of environmental protection, implement the environmental protection policies and establish an internal environmental management system; and 嚴格遵守環境保護條例及相關條款，並推行環保政策及建立環境管理系統；及
Public welfare activities: 公益活動：	Suppliers shall actively participate in charity work and encourage its employees to give back to the society by various means. 積極參與公益事業，鼓勵員工通過多種方式回饋社會。

When purchasing office supplies, the Group also prioritizes products with China environmental labelling product certification or related environmental certifications, such as papers and paints of company, in accordance with the "Supplier Management Standards". The Group also attaches importance to the environmental hygiene requirements for supply chain and strictly controls the impact of the procurement process on the environment and hygiene. In order to guarantee the quality of the suppliers' products, the Group also conducts on-site audits as needed and makes assessments based on the quality of products and services.

本集團在採購辦公室用品時亦按《供應商管理標準》優先選擇具有中國環境標誌產品認證證書或相關環保認證的商品，例如：公司紙張、油漆等商品。本集團亦注重供應鏈環境衛生的要求，嚴格控制採購過程對環境及衛生的影響。為確保供應商的產品質素，本集團亦按需要進行現場審查，按照產品及服務質量進行評估。

Operation Responsibility

營運責任

PRODUCT RESPONSIBILITY

The Group attaches importance to the stability of power supply and customers' satisfaction. The Group has established management systems such as "Safety Management Standards" and "Safety Risk Assessment and Management Standards" to ensure the quality and stability of electricity consumption.

According to the "Safety Risk Assessment and Management Standards", the Group has built a leading taskforce for risk assessment in each Operating Station, which is comprised of the general manager (as the team leader), and personnel from safety management department, technical department and related department (as the team members), and monitor the production equipment and personnel activities to ensure the power generation meets safety standards. The Group also identified high-risk hazards in the production process according to the "Safety Checklist", so as to take countermeasures to reduce the risk of accidents.

Hazards with a higher-risk level assessed by the Group 本集團風險評估級別較高的危害

- No reasonable control measures are in place despite previous occurrence of safety accidents so far;
- 曾發生過安全事故，但至今未有合理措施控制的；
- No appropriate administrative measures are implemented to address operation risks identified directly;
- 直接觀察的營運風險，且並無適當管理措施的；
- Comments or recommendations are given by the customers of the Group in accordance with the relevant law and regulations or other specific requirements; and
- 本集團客戶根據相關法律法規或其他特殊規定而提出的意見或建議；及
- Non-compliance with the relevant administrative rules of production safety.
- 不符合相關安全生產管理規定的。

For new items or equipment added to the plants, the leading taskforce for risk assessment shall conduct hazards identification, risk assessment and risk control.

產品責任

本集團重視所供電力的穩定性及客戶的滿意度。本集團已制定《安全管理標準》及《安全風險評估管理標準》等管理制度，確保用電質量及穩定性。

本集團根據《安全風險評估管理標準》設立風險評估領導小組，由各營運點的總經理作為組長，成員由安全管理部門、技術部門及相關人員組成。該小組針對各營運點的深層設備和員工活動進行檢測，確保電力生產符合安全標準。本集團亦根據《安全檢查表》在生產過程中識別風險較高的危害，從而作出應對措施減低造成事故的風險。

針對廠房所有新增項目及設備，風險評估領導小組將個別對其進行危害辨識，並作出風險評估及風險控制。

Operation Responsibility

營運責任

In addition to safe production, each Operating Station, as a peaking power plant, shall maintain power supply stability during the period of high power demand or national important days. The Group established the “Electricity Protection Emergency Measures Plan” to implement the measures and emergency plans to ensure power supply and safety. According to the plan, during the period of power maintenance, the Group shall overhaul the equipment to ensure the normal operation of the facility, and implement the power monitoring system and other related work to cope with the impact of the safety accident as early as possible. The Group is also committed to provide employees with training to raise their awareness to ensure that employees are aware of their job responsibilities and relevant requirements during the “power maintenance” period.

No relevant policies have been established due to the Group’s business nature that does not involve product labeling, product recall, advertising and customer privacy issues. No customer complaints were received from each Operating Station during the Year.

ANTI-CORRUPTION

The Group has always upheld the highest standards of corporate integrity and business ethics, and maintained an incorruptible corporate culture. The Group requires all employees to carry out anti-corruption work through the employee code of conduct contained in the “Employee Manual”, and it is strictly forbidden for any employees to accept the benefits given by the other parties or individuals secretly for the purpose of commercial activities. Employees should make an objective judgement from the perspective of a third party when determining whether business entertainment and gifts are in line with business ethics and practices. Employees should consult the department head and make a decision as the case may be if they have concerns about the individual business activities.

除安全生產外，各營運點作為調峰電廠，需要在高電力需求或國家重要的日子保持供電穩定性。本集團制定《保電應急措施方案》落實保障電力及安全措施和應急方案。根據該方案，本集團在保電期間，檢修裝備確保設施運作正常，並實行電力監控系統等相關工作，及早應對因安全事故所帶來的影響。本集團亦致力為員工提供培訓提高意識，確保員工清楚於「保電」期間的崗位職責及相關要求。

由於業務性質關係，本集團並不涉及產品標籤、產品回收、廣告及客戶隱私事宜，因此未設立相關政策。本年度各營運點並無接獲任何客戶投訴個案。

反貪腐

本集團一直秉持企業誠信及商業道德的最高標準，保持企業廉潔文化。本集團通過《員工手冊》中的員工行為規範要求全體員工執行反貪污工作，嚴禁任何員工接受對方單位或者個人為達到商業活動之目的而暗中給予的利益。員工應按第三者客觀身份作出判斷業務招待及饋贈是否符合商業道德及慣例。如對個別商業活動有所顧慮，員工應請示部門主管，並根據情況再作決定。



Operation Responsibility

營運責任

In order to ensure that the incorruptible culture extends to the supply chain, the contracts entered into between each Operating Station and natural gas suppliers are also accompanied by certain provisions in relation to incorruption for the purpose of jointly maintaining the highest standards of business ethics. In addition, the Group also establishes a corruption whistleblowing box, which encourages its employees to report to the Group any inappropriate conduct involving commercial bribery, and any reports will be kept confidential.

In order to strengthen its employees' knowledge and awareness of anti-corruption, the Group also provides anti-corruption training for employees. The department heads of each Operating Station shall receive at least an anti-corruption training session of not less than two hours, to learn the laws and regulations related to anti-corruption.

為確保廉潔文化伸延至供應鏈，各營運點在與天然氣供應商簽訂合同時亦附有廉潔相關條文，共同維持商業道德最高標準。此外，本集團亦設有廉政舉報信箱，鼓勵員工向本集團作出任何涉及商業賄賂等不當行為作出舉報，任何舉報均以保密形式處理。

為加強本集團員工對反貪污的認識和意識，本集團亦已加設反貪污的員工培訓，各營運點部門主管需接受至少一次不低於兩小時的反貪污培訓，學習反貪污法律法規。

Co-Building the Community

社區共建

The Group firmly believes that business operations can not be separated from community development. The Group is committed to performing its corporate social responsibility and encourages its employees to give back to society. During the Year, the Group has invested RMB755 and spent 82 hours of voluntary services, in community investment, mainly focusing on community development, environmental protection and medical care, which exerted a positive impact on the community.

本集團深信企業營運和社區發展不可或缺。本集團致力實踐企業社會責任，鼓勵員工回饋社會。本集團於本年度已投放社區投資人民幣755元及82個義工小時，主要專注社區發展、環境保護、醫療範疇，為社區帶來正面影響。

Power plant 電廠	Contribution Aspect 貢獻範疇	Name of project 項目名稱	Number of volunteers 義工人數	Investment amount (RMB) 投資金額 (人民幣)
Jingxing Power Plant 京興電廠	Community Development 社區發展	Condolence visits to Wuliqiao Village Committee during the Pandemic 疫情慰問五里橋村居委會	4	475
Anji Power Plant 安吉電廠	Environmental Protection 環境保護	Charity tree planting activities 街道公益植樹活動	10	—
	Medical care 醫療	Blood donation 無償獻血	3	—
Deneng Power Plant 德能電廠	Environmental Protection 環境保護	Waste sorting activities 垃圾分類活動	5	—
	Environmental Protection 環境保護	Non-profit forest planting activities 公益林植樹活動	10	280
	Community Development 社區發展	"Warm & Love" donation- Fuxi Street 「送溫暖獻愛心」捐款 — 阜溪街道	8	—
Bluesky Power Plant 藍天電廠	Environmental Protection 環境保護	Waste sorting advocacy 垃圾分類宣傳	1	—
	Environmental Protection 環境保護	Volunteer for river patrol 護河巡河志願者	2	—
Total 總計			43	755

Looking ahead, the Group will plan to formulate policies on community investment, establish relevant strategies and measures, and increase community investment projects.

展望未來，本集團將計劃制定社區投資政策，確立相關策略及措施，並增加社區投資項目。

Compliance Performance

合規表現

Aspect 層面	Relevant laws and regulations that have a significant impact on the Group 對本集團有重大影響相關法律及規例	Significant impact on the Group 對本集團造成的重大影響	Ways to ensure compliance with these laws and regulations 確保遵守這些法律及規例的方法	Compliance disclosure for the Year 本年度合規披露
Emission 排放物	<p>The Environmental Protection Law of the People's Republic of China 《中華人民共和國環境保護法》</p> <p>Law of the People's Republic of China on Prevention and Control of Water Pollution 《中華人民共和國水污染防治法》</p> <p>Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution 《中華人民共和國大氣污染防治法》</p> <p>Water Law of the People's Republic of China 《中華人民共和國水法》</p> <p>Law of the People's Republic of China on Water and Soil Conservation 《中華人民共和國水土保持法》</p>	<p>Each Operating Station is required to pay the sewage discharge fee and maintain, compare, and inspect the flue gas online equipment to ensure their normal operation, which increases the operating costs of the Group.</p> <p>各營運點每年需繳納排污權費，以及為煙氣線上設備進行維護、比對、檢驗等，確保設備正常運作，使本集團營運成本上升。</p>	<p>1. According to the Environmental Protection Law of the People's Republic of China and "Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution", the Group conducts testing of flue gas online equipment at each Operating Station and uploads the relevant testing data to local environmental protection functional departments in real time. Meanwhile, each Operating Station will also conduct comparison testing on online equipment on a quarterly basis and upload the comparison report.</p> <p>1. 本集團根據《中華人民共和國環境保護法》及《中華人民共和國大氣污染防治法》對各營運點煙氣線上設備進行檢測，並將有關檢測資料即時上傳至地方環保職能部門；同時，各營運點亦會每季度對線上設備進行比對檢測，並將比對報告上傳。</p>	<p>The Group operated in accordance with national environmental protection laws and regulations, and did not violate laws and regulations related to environmental protection.</p> <p>本集團遵守國家環保法律與法規操作，沒有違反環保相關的法律及規例。</p>

Compliance Performance

合規表現

Aspect 層面	Relevant laws and regulations that have a significant impact on the Group 對本集團有重大影響相關法律及規例	Significant impact on the Group 對本集團造成的重大影響	Ways to ensure compliance with these laws and regulations 確保遵守這些法律及規例的方法	Compliance disclosure for the Year 本年度合規披露
Emission 排放物	Oil and Natural Gas Pipeline Protection Law of the People's Republic of China 《中華人民共和國石油天然氣管道保護法》		2. Each Operating Station discharges wastewater after treatment according to the "Law of the People's Republic of China on the Prevention and Control of Water Pollution". Meanwhile, each Operating Station will also engage a qualified third party to monitor the discharge of wastewater on a quarterly basis and the test results are disclosed on the website of the pollution source self-monitoring system. 2. 各營運點根據《中華人民共和國水污染防治法》將廢水排放物進行處理後納管排放；同時，各營運點每季度亦會委託資質協力廠商對排放廢水進行監測，把檢測結果在污染源自行監測系統網站內披露。	

Compliance Performance

合規表現

Aspect 層面	Relevant laws and regulations that have a significant impact on the Group 對本集團有重大影響相關法律及規例	Significant impact on the Group 對本集團造成的重大影響	Ways to ensure compliance with these laws and regulations 確保遵守這些法律及規例的方法	Compliance disclosure for the Year 本年度合規披露
Employment 僱傭	<p>Labour Law of the People's Republic of China 《中華人民共和國勞動法》</p> <p>Labour Contract Law of the People's Republic of China 《中華人民共和國勞動合同法》</p>	<p>Compliance with national employment laws and regulations is conducive to the establishment of a harmonious and healthy employment relation. Any violation will expose to the punishment imposed by the labour regulator and affect the reputation of the Group.</p> <p>遵守國家僱傭相關勞動法規，有利於建立和諧健康的勞工關係。如有違反，將會面臨勞動監察機構的處罰，且對本集團聲譽造成影響。</p>	<p>The publicity and education are incorporated into daily management, and the employment process of the Group is strictly followed to identify, avoid and reduce employment risks.</p> <p>將宣傳教育納入常態化管理，且嚴格按照本集團僱傭流程層層把關，規避減少僱傭風險。</p>	<p>The Group did not violate laws and regulations related to employment. 本集團並沒有違反與僱傭相關的法律及規例。</p>

Compliance Performance

合規表現

Aspect 層面	Relevant laws and regulations that have a significant impact on the Group 對本集團有重大影響相關法律及規例	Significant impact on the Group 對本集團造成的重大影響	Ways to ensure compliance with these laws and regulations 確保遵守這些法律及規例的方法	Compliance disclosure for the Year 本年度合規披露
Health and safety 健康與安全	<p>Production Safety Law of the People's Republic of China 《中華人民共和國安全生產法》</p> <p>Law of the People's Republic of China on the Prevention and Control of Occupational Diseases 《中華人民共和國職業病防治法》</p> <p>Fire Protection Law of the People's Republic of China 《中華人民共和國消防法》</p>	<p>Compliance with national laws and regulations is conducive to ensuring the safe production of the Group. Any violation of such laws and regulations may result in safety accidents, which will threaten and damage the personal safety of the employees of the Group and the property of the Group, as well as expose to the punishment by laws.</p> <p>遵守國家的法律法規，有利於保障本集團的安全生產。如果違反這些相關的法律法規，可能造成安全事故，給本集團員工的人身安全和本集團的財產帶來威脅和損失，並將受到法律規定的處罰。</p>	<p>The publicity, training and education on laws and regulations are incorporated into daily management.</p> <p>將法律法規的宣傳和培訓教育工作納入常態化管理。</p>	<p>The Group did not violate laws and regulations related to health and safety.</p> <p>本集團並沒有違反與健康與安全相關的法律及規例。</p>

Compliance Performance

合規表現

Aspect 層面	Relevant laws and regulations that have a significant impact on the Group 對本集團有重大影響相關法律及規例	Significant impact on the Group 對本集團造成的重大影響	Ways to ensure compliance with these laws and regulations 確保遵守這些法律及規例的方法	Compliance disclosure for the Year 本年度合規披露
Labour standards 勞工準則	Labour Law of the People's Republic of China 《中華人民共和國勞動法》 Law of the People's Republic of China on the Protection of Minors 《中華人民共和國未成年人保護法》	Compliance with relevant national labour laws and regulations is conducive to the establishment of the harmonious and healthy employment relation. Any violation will not only cause tension and opposition in labour relations, but also result in labour issues and disputes, which will in turn affect the reputation of the Group. 遵守國家相關勞動法規，有利於建立和諧健康的勞工關係。如有違反，不僅造成勞資關係緊張及對立，而且還會產生勞動爭議與糾紛，對本集團聲譽造成影響。	The publicity and education are incorporated into daily management, and various management systems and procedures of the Group are strictly followed to identify, avoid and reduce labour risks, thus establishing a harmonious employment relation. 將宣傳教育納入常態化管理，且嚴格按照本集團各項管理制度流程層層把關、規避減少勞工風險，建立和諧用工。	The Group did not violate laws and regulations related to labour standards. 本集團並沒有違反與勞工準則相關的法律及規例。
Product responsibility 產品責任	Product Quality Law of the People's Republic of China 《中華人民共和國產品質量法》	Product quality is a key to the development of an enterprise, and it is very important for the market development, the growth and the image of the Group. 產品品質是企業發展的重要關鍵，對於市場的開拓與本集團的發展、企業的形象至關重要。	The publicity and education are incorporated into daily management, and the system and procedures of the Group are strictly followed. The Group also strengthens relevant supervision and inspection. 將宣傳教育納入常態化管理，嚴格按照本集團制度流程執行，並強化監督檢查。	The Group did not violate laws and regulations related to product responsibility. 本集團並沒有違反與產品責任相關的法律及規例。

Compliance Performance

合規表現

Aspect 層面	Relevant laws and regulations that have a significant impact on the Group 對本集團有重大影響相關法律及規例	Significant impact on the Group 對本集團造成的重大影響	Ways to ensure compliance with these laws and regulations 確保遵守這些法律及規例的方法	Compliance disclosure for the Year 本年度合規披露
Anti-corruption 反貪污	<p>Anti-unfair Competition Law of the People's Republic of China 《中華人民共和國反不正當競爭法》</p> <p>Anti-Money Laundering Law of the People's Republic of China 《中華人民共和國反洗錢法》</p>	<p>The reputation of the Group may be damaged, and the Group may suffer economic losses.</p> <p>本集團聲譽可能受損，並或蒙受相應經濟損失。</p>	<p>The Group actively carries out anti-corruption education and strengthens supervision on related anti-corruption matters.</p> <p>本集團積極開展反貪污教育工作，加強相關反貪污事項監察。</p>	<p>The Group did not receive any legal case regarding corruption brought against the Company or its employees, and did not violate laws and regulations related to anti-corruption.</p> <p>本集團並沒有收到對企業或僱員提出的貪污訴訟案件，並沒有違反與反貪污相關的法律及規例。</p>

Overview of KPIs

關鍵績效指標總覽

ENVIRONMENTAL PERFORMANCE

環境表現

Types of emissions and related emissions data 排放物種類及相關排放數據	2019 2019年	2018 2018年	Unit 單位
Nitrogen oxides 氮氧化物	10,753	12,577	kg 千克
Sulfur oxides 硫氧化物	959	1,494	kg 千克
Respirable suspended particulates (RSP) 可吸入懸浮粒子	1,063	1,709	kg 千克
Greenhouse gas emissions 溫室氣體排放	2019 2019年	2018 2018年	Unit 單位
Scope 1: Direct greenhouse gas emission ⁷ 範圍1：直接溫室氣體排放 ⁷	53,258	58,297 ⁸	tonne of CO ₂ e 公噸二氧化碳當量
Scope 2: Indirect greenhouse gas emission from energy ⁹ 範圍2：能源間接溫室氣體排放 ⁹	2,782	2,909	tonne of CO ₂ e 公噸二氧化碳當量
Scope 3: Other indirect greenhouse gas emissions ¹⁰ 範圍3：其他間接溫室氣體排放 ¹⁰	0.6	0	tonne of CO ₂ e 公噸二氧化碳當量
Total greenhouse gas emission 溫室氣體總排放量	56,041	61,206¹¹	tonne of CO₂e 公噸二氧化碳當量
Greenhouse gas intensity (in revenue) 總溫室氣體密度（以收益計算）	1.92	2.17 ¹²	tonne of CO ₂ e/ RMB ten thousand 公噸二氧化碳當量／萬元人民幣
Total greenhouse gas emissions from power generation 發電產生的溫室氣體總排放量	36,016	44,595	tonne of CO ₂ e 公噸二氧化碳當量
Intensity of greenhouse gas from power generation (in power generation ¹³) 發電產生的溫室氣體密度（以發電量 ¹³ 計算）	0.43	0.46	tonne of CO ₂ e/ MWh of power generation 公噸二氧化碳當量／兆瓦時發電量
Total greenhouse gas emissions from heating 供熱產生的溫室氣體總排放量	17,121	17,491	tonne of CO ₂ e 公噸二氧化碳當量
Intensity of greenhouse gas from heating (in heating amount) 供熱產生的溫室氣體密度（以供熱量計算）	0.18	0.17	tonne of CO ₂ e/ tonne of heat quantity 公噸二氧化碳當量／噸熱量

⁷ Scope 1 includes the greenhouse gas emissions generated from fuel combustion of stationary sources and mobile sources, and greenhouse gas arising from Wastewater Anaerobic Bio-treatment and the use of fire extinguishing agents and refrigerants.

⁸ The greenhouse gas emissions generated from fuel combustion of mobile sources under the Scope 1 for 2018 has been restated.

⁹ Scope 2 includes the greenhouse gas emissions generated from consumption of purchased electricity. The emission of purchased electricity for 2019 and 2018 was calculated on the basis of the average emission of the national power grid in 2015 of 0.6101 tCO₂/MWh.

¹⁰ Scope 3 includes the greenhouse gas emissions from the business air travel of Jingxing Power Plant.

¹¹ Restated based on the revised Scope 1 greenhouse gas emissions for 2018.

¹² Restated after recalculation based on the revenue for the Year.

¹³ This includes natural gas-fired power generation and photovoltaic power generation.

⁷ 範圍1包括固定源及移動源的燃料燃燒、廢水厭氧處理和因使用製冷劑與滅火劑釋放所造成的溫室氣體排放。

⁸ 2018年範圍1的移動源燃料燃燒產生的溫室氣體排放已作重新表述。

⁹ 範圍2包括外購電力產生的溫室氣體排放。2019和2018年外購電力排放因子採用2015年全國電網平均排放因子0.6101噸二氧化碳／兆瓦時。

¹⁰ 範圍3包括京興電廠因商務旅行搭乘飛機的溫室氣體排放。

¹¹ 按修訂後2018年範圍1溫室氣體排放作重新表述。

¹² 按年度收益計算後重新表述。

¹³ 包括天然氣發電量和太陽能發電量。

Overview of KPIs

關鍵績效指標總覽

Hazardous wastes 有害廢棄物	2019 2019年	2018 2018年	Unit 單位
Total hazardous wastes 有害廢棄物總量	1.9	3.7	tonne 公噸
Hazardous waste intensity (in revenue) 有害廢棄物密度(以收益計算)	0.006	0.013 ¹⁴	kg/RMB million 公斤/百萬元人民幣
Non-hazardous wastes 無害廢棄物	2019 2019年	2018 2018年	Unit 單位
Total non-hazardous wastes 無害廢棄物總量	38.8	41.5	tonne 公噸
Non-hazardous waste intensity (in revenue) 無害廢棄物密度(以收益計算)	0.133	0.147 ¹⁵	kg/RMB million 公斤/百萬元人民幣
Total energy consumption 能源總耗量	2019 2019年	2018 ¹⁶ 2018年 ¹⁶	Unit 單位
Direct energy 直接能源	102,166	163,319	MWh equivalent 兆瓦時等值
Gasoline 汽油	115	107	MWh equivalent 兆瓦時等值
Natural gas 天然氣	265,764	336,553	MWh equivalent 兆瓦時等值
Acetylene 乙炔	0.1	0	MWh equivalent 兆瓦時等值
Power generation (photovoltaic power generation) 發電量(光伏發電)	645	420	MWh 兆瓦時
Sold electricity (photovoltaic power generation) 外售電力(光伏發電)	(89)	(75)	MWh 兆瓦時
Sold electricity (natural gas) 外售電力(天然氣)	(81,733)	(85,292)	MWh 兆瓦時
Heating generation (natural gas) 供熱量(天然氣)	(82,536)	(88,394)	MWh equivalent 兆瓦時等值
Indirect energy 間接能源	4,560	4,768	MWh equivalent 兆瓦時等值
Purchased electricity 外購電力	4,560	4,768	MWh 兆瓦時
Total energy consumption 能源總耗量	106,726	168,087	MWh 兆瓦時
Energy intensity (in revenue) 能源密度(以收益計算)	3.65	5.97 ¹⁷	MWh/RMB ten thousand 兆瓦時/萬元人民幣

¹⁴ Restated after recalculation based on the revenue for the Year.

¹⁵ Restated after recalculation based on the revenue for the Year.

¹⁶ The energy consumption for 2018 was reclassified according to direct energy and indirect energy, and the total energy consumption has been restated. Direct energy includes non-renewable energy, renewable energy, self-generated electricity, heating, cooling and steam, and sold electricity, heating, cooling and steam; while indirect energy includes purchased electricity, heating, cooling and steam. The total energy consumption for 2018 was restated due to the inclusion of sold steam.

¹⁷ Restated after recalculation based on the revenue for the Year.

¹⁴ 按年度收益計算後重新表述。

¹⁵ 按年度收益計算後重新表述。

¹⁶ 2018年能源消耗量按直接能源和間接能源重新劃分能源消耗量並已對直接能源總量作重新表述。直接能源包括不可再生能源、可再生能源、自行的發電、製暖、製冷及蒸汽和出售的電力、暖氣、冷氣及蒸汽；間接能源包括外購電力、暖氣、冷氣及蒸汽。2018年度的能源總耗量由於納入外售蒸汽量而作重新表述。

¹⁷ 按年度收益計算後重新表述。

Overview of KPIs

關鍵績效指標總覽

Total water consumption 總耗水量	2019 2019年	2018 2018年	Unit 單位
Total water consumption 總耗水量	410,349	463,174	m ³ 立方米
Water consumption intensity (in revenue) 耗水密度(以收益計算)	14.04	16.45 ¹⁸	m ³ /RMB ten thousand 立方米／萬元人民幣
Packaging materials used for finished products¹⁹ 製成品所用包裝材料¹⁹	2019 2019年	2018 2018年	Unit 單位
Total amount and intensity 總量及密度	N/A 不適用	N/A 不適用	N/A 不適用

¹⁸ Restated after recalculation based on the revenue for the Year.

¹⁹ The business operation of the Group does not involve the use of packaging materials

¹⁸ 按年度收益計算後重新表述。

¹⁹ 本集團業務並不涉及包裝材料的使用

Overview of KPIs

關鍵績效指標總覽

SOCIAL PERFORMANCE

社會表現

Employee Distribution ²⁰ 員工分佈			Distribution and percentage of new employees 新員工人數分佈及比例	Distribution and percentage of resigned employees 離職員工人數分佈及比例
Gender 性別	Male 男性	161	22 (14%)	31 (19%)
	Female 女性	53	0 (0%)	4 (8%)
Type of employment 僱傭類別	Senior management 高級管理人員	4	0 (0%)	0 (0%)
	Middle management 中級管理人員	21	2 (10%)	0 (0%)
	General staff 一般員工	189	20 (11%)	35 (19%)
Age 年齡	Aged under 30 三十歲以下	82	20 (24%)	25 (30%)
	Aged 30-40 三十歲至四十歲	82	2 (2%)	10 (12%)
	Aged 41-50 四十一歲至五十歲	42	0 (0%)	0 (0%)
	Aged over 50 五十歲以上	8	0 (0%)	0 (0%)
Total 總計		214	22 (10%)	35 (16%)

²⁰ In order to increase the readability of the data, the data of the four power plants for the Year has been consolidated in the Report for disclosure.

²⁰ 為增加數據的可讀性，本年度報告將四間電廠的數據合併披露。

Overview of KPIs

關鍵績效指標總覽

Occupational safety and health performance

職業安全健康績效

	2019 2019年	2018 2018年
Number and percentage of work-related fatalities 因工關係而死亡的人數及比例	0 (0%)	0 (0%)
Number and percentage of employees who suffered from work-related injuries 因工受傷人數及比例	0 (0%)	0 (0%)

Employee training ²¹ 員工培訓 ²¹		Distribution and percentage of employees receiving training 培訓人數分佈及比例	Training hours (hours) 培訓時數 (小時)	Average training hours (hours) ²² 平均培訓時數 (小時) ²²
Gender 性別	Male 男性	188 (117%)	8,479	52.7
	Female 女性	56 (106%)	1,889	35.6
Type of employment 僱傭類別	Senior management 高級管理人員	4 (100%)	115	28.8
	Middle management 中級管理人員	23 (110%)	944	45.0
	General staff 一般員工	217 (115%)	9,309	49.3
Total 總計		244	10,368	48.4

²¹ Calculation of number of employees receiving training: number of employees receiving training divided by the number of employees of the same type. The number of employees receiving training for the Year was more than the number of employees of the same type, which was due to the resigned employees were included in the calculation.

²² Calculation of average hours: the training hours of such type of employment divided by the number of employees of the same type.

²¹ 培訓人數的計算方法為：培訓人數除以同一類別的員工數目。本年度有超出同一類別的員工數目是因為培訓已統計離職員工，導致培訓數目比員工數目為多。

²² 平均時數的計算方法為：該僱傭類別培訓時數除以同一類別員工數目。

Overview of KPIs

關鍵績效指標總覽

Each Operating Station 各營運點	Region of suppliers 供應商所在地區	Products or services provided 所提供之產品或服務	Number of suppliers 供應商數目	Number of suppliers that implement relevant practices ²³ 執行相關慣例 ²³ 的供應商數目
Jingxing Power Plant 京興電廠	Zhejiang 浙江	Natural gas 天然氣	1	1
Anji Power Plant 安吉電廠	Zhejiang 浙江	Natural gas 天然氣	1	1
Deneng Power Plant 德能電廠	Zhejiang 浙江	Natural gas 天然氣	1	1
Bluesky Power Plant 藍天電廠	Zhejiang 浙江	Natural gas 天然氣	1	1

²³ Relevant practices are set out in the section headed "Supply chain management" in this Report.

²³ 相關慣例載於本報告「供應鏈管理」章節。

Overview of KPIs

關鍵績效指標總覽

Each Operating Station 各營運點	Name of community investment project 社區投資項目名稱	Number of volunteers 義工人數	Hours of voluntary services (hour) 義工時數 (小時)	Investment amount (RMB) 投資金額 (人民幣)
Jingxing Power Plant 京興電廠	Condolence visits to Wuliqiao Village Committee during the Pandemic 疫情慰問五里橋村居委會	4	4	475
Anji Power Plant 安吉電廠	Charity tree planting activities 街道公益植樹活動	10	30	0
	Blood donation 無償獻血	3	3	0
Deneng Power Plant 德能電廠	"Warm & Love" donation-Fuxi Street 「送溫暖獻愛心」捐款 — 阜溪街道	8	4	0
	Waste sorting activities 垃圾分類活動	5	2	0
	Non-profit forest planting activities 公益林植樹活動	10	3	280
Bluesky Power Plant 藍天電廠	Waste sorting advocacy 垃圾分類宣導	1	16	0
	Volunteer for river patrol 護河巡河志願者	2	20	0
Total 總計		43	82	755

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A	Environmental 環境	
A1	Emission 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, 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。	16-27, 41-42
A1.1	The types of emissions and respective emissions data. 排放物種類及相關排放數據。	19-20, 47
A1.2	Total greenhouse gas emissions and intensity. 溫室氣體總排放量及密度。	17-19, 47
A1.3	Total hazardous waste produced and intensity. 所產生有害廢棄物總量及密度。	21-22, 48
A1.4	Total non-hazardous waste produced and intensity. 所產生無害廢棄物總量及密度。	21-22, 48
A1.5	Description of measures to mitigate emissions and results achieved. 描述減低排放量的措施及所得成果。	17-20, 47
A1.6	Description of how hazardous and non-hazardous wastes are handled, reduction initiatives and results achieved. 描述處理有害及無害廢棄物的方法、減低產生量的措施及所得成果。	21-22, 48

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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。	23–27
A2.1	Direct and/or indirect energy consumption by type in total and intensity. 按類型劃分的直接及／或間接能源總耗量及密度。	25, 48
A2.2	Water consumption in total and intensity. 總耗水量及密度。	27, 49
A2.3	Description of energy use efficiency initiatives and results achieved. 描述能源使用效益計劃及所得成果。	24–25, 48
A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved. 描述求取適用水源上可有任何問題，以及提升用水效益計劃及所得成果。	26–27, 49; The Group has no issue in sourcing water that is fit for purpose. 本集團在求取適用水源上並無任何問題。
A2.5	Total packaging material used for finished products and with reference to per unit produced. 製成品所用包裝材料的總量及每生產單位佔量。	49
A3 Environment and natural resources 環境及天然資源		
General disclosure 一般披露	Policies on minimising the issuer's significant impact on the environment and natural resources. 減低發行人對環境及天然資源造成重大影響的政策。	16
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。	16

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B	Social 社會	
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。	28-30, 43
B1.1	Total workforce by gender, employment type, age group and geographical region. 按性別、僱傭類型、年齡組別及地區劃分的僱員總數。	30, 50
B1.2	Turnover rate of employees 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。	30, 50

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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。	30-31, 44
B2.1	Number and rate of work-related fatalities. 因工作關係而死亡的人數及比率。	31, 51
B2.2	Lost days due to work injury. 因工傷損失工作日數。	31, 51
B2.3	Description of occupational health and safety measures adopted, how they are implemented and monitored. 描述所採納的職業健康與安全措施，以及相關執行及監察方法。	30-31
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。	32-33
B3.1	The percentage of employees trained by gender and employee category. 按性別及僱員類別劃分的受訓僱員百分比。	33, 51
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。	33, 51

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B4	Labour standard		
	勞工準則		
General disclosure	Information on:		33-34, 45
一般披露	(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。		
B4.1	Description of measures to review employment practices to avoid child and forced labour.	33-34	
	描述檢討招聘慣例的措施以避免童工及強制勞工。		
B4.2	Description of steps taken to eliminate such non-compliant practices when discovered.	33-34	
	描述在發現違規情況時消除有關情況所採取的步驟。		
B5	Supply chain management		
	供應鏈管理		
General disclosure	Policies on managing environmental and social risks of the supply chain.	35-36	
一般披露	管理供應鏈的環境及社會風險政策。		
B5.1	Number of suppliers by geographical region.	52	
	按地區劃分的供應商數目。		
B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored.	35-36, 52	
	描述有關聘用供應商的慣例，向其執行有關慣例的供應商數目、以及有關慣例的執行及監察方法。		

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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。	37–38, 45
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的百分比。	N/A 不適用
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。	38
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。	N/A 不適用
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。	37–38
B6.5	Description of consumer data protection and privacy policies, how they are implemented and monitored. 描述對消費者資料保障及私隱政策，以及相關執行及監察方法。	N/A 不適用

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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。	38-39, 46
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。	46
B7.2	Description of preventive measures and whistle-blowing procedures, how they are implemented and monitored. 描述防範措施及舉報程序，以及相關執行及監察方法。	39
B7.3 (revised) B7.3 (修訂後)	Description of anti-corruption training provided to directors and employees. 描述向董事及員工提供的反貪污培訓。	39
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. 有關以社區參與來瞭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。	40
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)。	40, 53
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)。	40, 53

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