

Environmental, Social
and Governance Report
環境、社會及管治報告

2019



XINYI ENERGY HOLDINGS LIMITED
信義能源控股有限公司

(Incorporated in the British Virgin Islands with limited liability)

(於英屬處女群島註冊成立之有限公司)

Stock Code 股份代號 : 03868



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This report is an Environmental, Social and Governance Report (the “**Report**” or the “**ESG Report**”) prepared by Xinyi Energy Holdings Limited (“**Xinyi Energy**” or the “**Company**”) and its subsidiaries (the “**Group**”) in accordance with the Environmental, Social and Governance Reporting Guide (the “**ESG Reporting Guide**”) set out in Appendix 27 to the Rules Governing the Listing of Securities on The Stock Exchange of Hong Kong Limited (“**Hong Kong Stock Exchange**”).

This report is the first ESG Report of Xinyi Energy with the theme of “**Born Clean**”, covering the policies and systems consistently implemented and the main initiatives implemented for the purpose of sustainable corporate development, and the performance of key indicators by the Group, in terms of environmental management, social responsibility and corporate governance from 1 January to 31 December 2019 (the “**Reporting Period**” or the “**Year**”), as well as the directions and objectives therefor in the future. Part of the content may trace back to previous years or extend to the year of 2020. The Report covers all the entities set out in the Company’s financial statements, including all the subsidiaries and their businesses. In the Report, all monetary amounts are presented in Hong Kong dollars.

The Group adheres to the reporting principles of “**Materiality**”, “**Quantitative**” and “**Consistency**”, and has conducted materiality assessment prior to the preparation of the Report, and eventually identified 14 material issues in consideration of both internal and external opinions, which are reported independently in the Report. For the results of the materiality assessment, please refer to the section headed “Materiality Assessment” for details. In addition, the Group has complied with the disclosure requirements of the “comply or explain” provision contained in the ESG Reporting Guide.

本報告乃信義能源控股有限公司(「**信義能源**」或「**本公司**」)及其附屬公司(「**集團**」或「**本集團**」)按照香港聯合交易所有限公司(「**香港聯交所**」)的證券上市規則附錄二十七《環境、社會及管治報告指引》(「**ESG 報告指引**」)編寫的《環境、社會及管治報告》(「**本報告**」或「**ESG 報告**」)。

本報告為信義能源的第一份ESG報告，以「**生而潔淨**」為主題，涵蓋本集團於2019年1月1日至12月31日(「**報告期內**」或「**年內**」)期間，為實現企業的可持續發展，在環境管理、社會責任及企業管治方面貫徹執行的方針及制度、開展的主要工作、核心指標的表現，以及未來在相關領域的方向及目標。部分內容或追溯過往年份或延伸至2020年度。本報告涵蓋本公司財務報表中載列的所有實體，包括所有附屬公司，及其業務。在本報告中，所有貨幣金額均以港元列示。

本集團遵守「**重要性**」、「**量化**」、「**一致性**」的匯報原則，在撰寫本報告前，已進行重要性評估，並結合內部及外部的意見，最終確定14項重大議題，並逐一於報告內進行匯報。有關重要性評估的結果，詳見「**重要性評估**」章節。此外，本集團遵守ESG報告指引所載「**不遵守就解釋**」條文的披露要求。

The environmental and social key performance indicators (KPIs) have been compiled with reference to the Reporting Guidance on Environmental KPIs and Reporting Guidance on Social KPIs of the Hong Kong Stock Exchange, respectively, and the scope of disclosure has been selected, and data collection and statistical analysis have been conducted, in the principles of materiality and applicability. Unless otherwise specified, the calculation formulas and parameters have been taken following the standards as recommended in the KPIs Reporting Guide for ESG Report, and the 2019 ESG reporting guide content index is provided for reference in the appendix to the Report.

The Report is available for download on the website of the Hong Kong Stock Exchange (www.hkexnews.hk) and the website of the Company (www.xinyienergy.com).

It is recommended to read the Report in conjunction with Xinyi Energy’s 2019 annual report. The Report is published bilingually. If there is any discrepancy between the two versions, the Chinese version shall prevail.

The Report has been passed by the Safety, Occupation and Environment Committee (the “**SOE Committee**”) of the Group, and approved by the board of directors (the “**Board**”). If you have any question or suggestion regarding the Report, you are welcome to make inquiry by phone or by mail. Our contact information is as follows:

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有關環境及社會關鍵績效指標編製，分別參考香港聯交所《環境關鍵績效指標匯報指引》及《社會關鍵績效指標匯報指引》，並基於重要性及適用性原則選擇披露範圍及進行數據收集和統計，如無特別說明，計算公式及參數以《ESG報告關鍵績效指標匯報指引》建議標準執行，並於本報告附錄提供《2019年環境、社會及管治報告內容索引》予讀者作對照參考。

本報告可於香港聯交所網站(www.hkexnews.hk)及本公司網站(www.xinyienergy.com)下載。

建議本報告連同信義能源2019年報一併閱覽；本報告以中、英文兩種文字出版，若兩種版本出現差異，請按中文版解讀。

本報告已獲本集團安全、職業、環境委員會(「**安職環委員會**」)通過，並獲得董事會(「**董事會**」)審核批准。如對本報告的內容如有任何疑問或建議，歡迎來電或來函詢問。我們的聯繫方式如下：

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Sustainable Business

Xinyi Energy is a leading non-state owned solar farm owner and operator in the People's Republic of China ("PRC"), and was listed on the Main Board of the Hong Kong Stock Exchange on 28 May 2019 (stock code: 03868.HK). As of 31 December 2019, the Group owned, operated and managed a total of 15 utility-scale solar farms ("Existing Projects") with a total approved capacity of 1,494 megawatts ("MW"). The Existing Projects of the Group are all located in Resource Zone II and Resource Zone III in China with strong electricity demand, including Anhui Province, Hubei Province, Henan Province, Fujian Province and Tianjin Municipality, and the Group has never experienced power curtailment in its operating history. Among the Existing Projects, the projects of 974MW have been enlisted on the sixth and seventh batch of the Subsidy Catalogue, and the remaining projects of 520MW are all pipeline projects satisfied the requirements set forth in the Measures for Administration of Renewable Energy Tariff Subsidy (Cai Jian [2020] No.5) (《可再生能源電價附加補助資金管理辦法》(財建[2020]5號)) for the subsidies for renewable energy power generation.



Distribution of Solar Farms Owned, Operated and Managed by Xinyi Energy (As of 31 December 2019)

信義能源擁有及運營管理的電站分佈(截至2019年12月31日)

可持續發展業務

信義能源為中國領先的非國營太陽能電站擁有人及運營商，於2019年5月28日在香港聯交所主板上市，股份代號：03868.HK。截至2019年12月31日，本集團共擁有和運營管理15個大型集中式太陽能電站(「現擁有的項目」)，總核准容量為1,494兆瓦(「兆瓦」)。本集團現擁有的項目全部位於中國安徽省、湖北省、河南省、福建省、天津市等電力需求旺盛的二、三類資源區，集團經營歷史上從未出現過限電問題。現擁有的項目中有974兆瓦的項目已獲納入第六及第七批補助目錄，而餘下520兆瓦的項目均為符合《可再生能源電價附加補助資金管理辦法》(財建[2020]5號)所提出的可再生能源發電補助條件的存量項目。

Tianjin 174MW 天津174兆瓦
Binhai Solar Farm 174MW 濱海光伏電站174兆瓦
Henan 110MW 河南110兆瓦
Suiping Solar Farm 110MW 遂平光伏電站110兆瓦
Anhui 920MW 安徽920兆瓦
Jinzhai Solar Farm 150MW 金寨光伏電站150兆瓦
Sanshan Solar Farm 100MW 三山光伏電站100兆瓦
Lixin Solar Farm 140MW 利辛光伏電站140兆瓦
Wuwei Solar Farm 100MW 無為光伏電站100兆瓦
Fanchang Solar Farm 60MW 繁昌光伏電站60兆瓦
Shouxian Solar Farm 100MW 壽縣光伏電站100兆瓦
Huainan Solar Farm 20MW 淮南光伏電站20兆瓦
Wuwei Solar Farm Two 50MW 無為二期光伏電站50兆瓦
Shouxian Solar Farm Two 200MW 壽縣二期光伏電站200兆瓦
Fujian 30MW 福建30兆瓦
Nanping Solar Farm 30MW 南平光伏電站30兆瓦
Hubei 260MW 湖北260兆瓦
Hong'an Solar Farm 100MW 紅安光伏電站100兆瓦
Xiaochang Solar Farm One 130MW 孝昌一期光伏電站130兆瓦
Xiaochang Solar Farm Two 30MW 孝昌二期光伏電站30兆瓦

The Group is solely engaged in solar farm operation ("Pure Operator") and will not participate in the development and construction of solar farm projects. In the future, we will continue to focus on the acquisition of high-quality utility-scale solar farm projects which are fully completed and grid-connected. In addition, the Group intends to maintain a high dividend payout ratio with annual distribution of over 90% of distributable income to shareholders. In 2019-2020, we have committed to distribute 100% of the distributable income.

Xinyi Energy has the call option and the right of first refusal to the solar farms of the controlling shareholder of the Company, Xinyi Solar Holdings Limited ("Xinyi Solar", stock code: 00968.HK). Furthermore, the Group can acquire high-quality utility-scale projects from independent third parties in the market for expansion in operation scale.

本集團為太陽能電站純運營商(「純運營商」)，並不會參與太陽能電站項目的開發及建設，未來亦偏向針對100%建成併網的優質大型集中式太陽能電站項目進行收購。另外，本集團有意維持高派息比率，每年將分派不少於可分派收入的90%予股東。2019-2020年將分派100%可分派收入。

信義能源擁有對本公司控股股東信義光能控股有限公司(「信義光能」，股份代號：00968.HK)太陽能電站的認購期權和優先購買權。此外，本集團亦可於市場向獨立第三方收購優質大型集中式太陽能電站項目，以擴充運營規模。



Performance of Key Indicators in 2019

2019 年核心指標表現



2019 Outstanding Financial Performance

財務表現亮眼

Revenue increased by **32.7%** year-on-year to HK\$ **1,593 million**
收入同比增長 32.7% 至 1,593 百萬港元

Gross profit increased by **33.4%** year-on-year to HK\$ **1,215 million**
毛利同比增長 33.4% 至 1,215 百萬港元

Gross profit margin **76.3%**
毛利率 76.3%

Net profit increased by **20.3%** year-on-year to HK\$ **891 million**
純利同比增長 20.3% 至 891 百萬港元

Net profit margin **55.9%**
純利率 55.9%



Dividend for the year amounted to HK **13.5 cents**
全年股息 13.5 港仙

Operating cash flow amounted to HK\$ **1,121 million**
經營性現金流 1,121 百萬港元

As of 31 December 2019, cash and cash equivalents amounted to HK\$ **1,631 million**
截至2019年12月31日，現金及現金等價物 1,631 百萬港元

Dividend distribution as a percentage of distributable income was **100.5%**
股息分派佔可分派收入 100.5%

Operating cash flow as a percentage of distributable income was **123.6%**
經營性現金流對可分派收入覆蓋率為 123.6%

With a net gearing ratio of **3.2%**
淨負債率 3.2%



Aggregate approved capacity amounted to 1,494MW
100% renewable power producer
總核准容量1,494MW
100%綠色新能源純發電企業

Equivalent to saving **494,000 tonnes** of standard coals
相當於節約標準煤 494,000 噸

Equivalent to reducing **1,349,000 tonnes** of CO₂
相當於減排二氧化碳 1,349,000 噸

Equivalent to planting **58,670,000 trees**
相當於種植 58,670,000 棵樹

Equivalent to meeting the electricity consumption demands for **802,000 households**
相當於可滿足 802,000 戶家庭用電需求



Note: (1) The coefficient refers to the China Power 2019 (《中國電力行業年度發展報告2019》) issued by China Electricity Council when the Group calculated its emission reduction corresponding to the external sales of electricity during the Reporting Period.

備註：(1)本集團於報告期內對外銷售電量對應減排係數參考中國電力企業聯合會發佈的《中國電力行業年度發展報告2019》

“Dedicated to Simple” Concept of Sustainable Development

The business model of the Group is clear and stable, where it generates electricity by operating the solar farms held by it and sells the electricity so generated to the State Grid Corporation to derive revenue from electricity sales, and at the same time, it provides third parties with operating services for solar farms to derive revenue from operation and management services. Since all electricity sold by the Group is generated from renewable energy sources, its business operation is environmentally friendly throughout the entire cycle. The daily operation of solar farms involves only limited consumption of gasoline or diesel by motor vehicles, and the electricity purchased externally to maintain the 24-hour operation of the solar farms, and results in a small amount of energy consumption, in addition to which, it has minimal negative impact on the surrounding environment in terms of water, atmospheric, sound and light. Meanwhile, the Group provides green and clean power to the society through photovoltaic (“PV”) power generation to reduce the demand for coal-fired power, thereby achieving the purpose of reducing carbon emissions and other air pollutant emissions. During the Reporting Period, the total amount of greenhouse gas emissions of the Group was approximately 11,193 tonnes, which was less than 1% of the carbon dioxide emission reduction achieved by the Group through PV power generation, and the carbon emission corresponding to the electricity sales per GWh (equivalent to “million kWh”) was only 6.98 tonnes, representing only 0.83% of the carbon emission corresponding to the same amount of coal-fired power. In addition, during the Reporting Period, the approved grid-connected capacity of the solar farms which operated and maintained by the Group was approximately 980MW, and the relevant reduction in carbon dioxide emission of these solar farms was approximately 0.508 million tonnes.

The business model of the Group is not only different from those of traditional manufacturers, but also differentiated from those of traditional power companies and most of the renewable energy companies in China. Since the Group does not participate in the development and construction of solar farms and does not extend to any upstream business, the economic benefits received by the Group through the core business are all contributed by renewable energy. For the future growth in the scale of the Group, while bringing economic benefits to the shareholders, it will also be fully reflected in the improvement of environmental performance. The simple and focused business model has enabled the Group to become a company with economic performance completely matching with environmental performance with no conflict between its growth and the sustainable development of the world. Our dedication to renewable energy business has been showed in the daily operation and corporate governance, and we fully comply with the Sustainable Development Goals (the “SDGs”) of the United Nations (“UN”) in environmental management, resource use, corporate governance, talent management and community engagement.

向「純粹」致敬的可持續發展理念

本集團的業務模式清晰且穩定，純粹透過運營自持太陽能電站產生電力並向國家電網公司銷售以獲取售電收入，同時為第三方提供太陽能電站的運營服務以獲取運維收入。由於本集團銷售的電力100%來自於可再生能源，因此，業務經營全週期對環境友好。太陽能電站的日常運營中，除涉及有限的機動車耗用汽油或柴油，以及需外購電力維持電站24小時運營所帶來少量的能源消耗外，對項目周邊水環境、大氣環境、聲環境及光環境幾乎不會產生負面影響。同時，本集團通過光伏發電，為社會提供綠色清潔電力，以降低火電（或稱「燃煤發電」）需求，從而達到減少碳排放及其他大氣污染物排放的目的。報告期內，本集團溫室氣體排放總量約11,193噸，不足本集團光伏發電實現的二氧化碳減排量的1%，每吉瓦時（等同「百萬千瓦時」／「百萬度」）售電量對應碳排放僅6.98噸，僅為等量火電對應碳排放的0.83%。此外，本集團於報告期內提供運維服務的太陽能電站核准併網規模約980兆瓦，該等電站年內二氧化碳減排量約50.8萬噸。

本集團的業務模式不僅有別於傳統製造業，也與傳統電力企業以及中國大部分的新能源企業有所區別。由於本集團不參與太陽能電站的開發及建設，也並未有任何上游業務的延伸，因此本集團通過主營業務獲取的經濟效益為100%由綠色新能源貢獻的收入，而未來本集團規模的增長，在帶來經濟效益為股東創收的同時，也會100%體現在環境效益的提升上。純粹的業務模式，令本集團得以成為經濟效益與環保效益完全正相關，企業自身成長與全球社會永續發展零衝突的企業。本集團將「致敬純粹」的理念融入到企業的日常運營及管治中，並在環境管理、資源使用、企業管治、人才管理及社區參與等方面保持與聯合國可持續發展目標（「SDGs」）高度契合。



The sustainable development concept of “Dedicated to simple” 「致敬純粹」的可持續發展理念



Upholding our simple aspiration 堅守純粹的初心	Adhere to a clear positioning 緊持純粹的定位	Low risk business model 低風險的經營模式	Give back to the shareholders 堅定回饋股東的真心	Steadfast implementation of the SDGs 堅決貫徹SDGs
Mission 使命 Empowering the Green Era and Lighting up the World 賦能綠色新時代，光源點亮千萬家 Vision 願景 Creating a leading brand for efficient operation of renewable energy to achieve universal access to green energy 締造新能源高效運營領先品牌，讓綠色能源觸手可及 Core values 核心價值觀 Trust, integrity, passion and people 信譽至上，義氣崢嶸，自強不息，善待天下	Simple power generation 純發電企業 Only operates power station without involving in development and construction 僅電站運營，不涉足開發建設 Pure renewable energy 純可再生能源 Sales of electricity solely generated from PV power 100%電力銷售來自光伏發電	No raw material risk 無原料風險 “Sunlight” as the sole raw material for power generation 以「陽光」作為唯一發電原料 No tariff fluctuation risk 無電價波動風險 National policies secured a fixed feed-in-tariff for 20 years 國家政策保障20年固定上網電價 Stable revenue model 穩固的收益模式 “Generation of power – sales of electricity” model Customers are all wholly-owned subsidiaries of the State Grid 「發電—售電」模式 客戶均為國家電網全資子公司 Projects are all located in Resource Zone II and Resource Zone III No power curtailment experienced in operating history 項目均位於二、三類資源區 歷史經營期內未遇限電問題	High dividend payout policy 高派息比率政策 90-100% of distributable income is distributed to shareholders 將可分派收入的90至100%分派予股東	Our action is highly consistent with the Sustainable Development Goals of the United Nations 從行動上與聯合國可持續發展目標保持高度一致性 In particular, there are 3 SDGs that are most relevant to the Group's business 特別是與本集團業務相關性最強的3項可持續發展目標

Corporate Actions for UN's SDGs

In the Brundtland Report, the UN's World Commission on Environment and Development defined "sustainable development" as "development that meets the needs of the present without compromising the ability of future generations to meet their own needs." In 2015, the UN, on the basis of the achievements towards the Millennium Development Goals ("MDGs"), proposed 17 sustainable development goals to all countries around the world. Unlike the MDGs for developing countries, SDGs are generally applicable to developing and developed countries, and have been highly valued by governments of various countries. Actions have been taken following national planning, policies and initiatives, and achievements have been made to various extent. In the SDG Compass: the guide for business action on the SDGs ("SDG Compass") released in 2015, the UN also recognized the key role of business, stating that "business is a vital partner in achieving the SDGs", and called for "companies to contribute through their core activities for the achievement of the SDGs".

As a member of the society, social and policy changes have a profound impact on the development of enterprises. Since SDGs cover a wide range of sustainable development topics related to enterprises, including climate change, education, health, etc., understanding, analyzing and identifying the SDGs that have substantial relevance to the core businesses can enable companies to gain insight into future business opportunities and avoid potential risks. On this basis, if a company fully considers the changes and challenges brought by SDGs while formulating long-term strategies, thus formulates its own sustainable development goals and puts the same into practice through active corporate actions, it will be well-positioned while SDGs being achieved globally, and seize their opportunities to further develop their business, enhance stakeholders' recognition of the company and strengthen the company's brand image. The Group recognizes the importance of SDGs for its long-term development and actively responds to the UN's appeal.

聯合國可持續發展目標 (SDGs) 企業行動

聯合國環境與發展世界委員會於《布倫特蘭報告》中，將「可持續發展」定義為「既能滿足當代的需要，而同時又不損及後代滿足其需要的發展模式。」聯合國於2015年在千年發展目標(「MDGs」)已取得的成就基礎上，向全球所有國家提出了十七個可持續發展目標。不同於針對發展中國家的MDGs，SDGs普遍適用於發展中和發達國家，並已獲得各國政府的高度重視，通過全國性的計劃、政策、倡議落實到行動，及獲得不同程度的成效。聯合國亦於2015發佈《SDGs企業行動指南》(「SDG Compass」)中肯定企業的關鍵作用，稱「企業是聯合國可持續發展目標的重要合作夥伴」，並呼籲「企業通過核心業務為聯合國可持續發展目標的實現作出自己的貢獻」。

作為社會的一員，社會與政策的轉變對企業的發展產生極為重要的影響。由於SDGs涵蓋了與企業有關的廣泛的可持續發展議題，包括氣候變化、教育、健康等，因此，瞭解、分析並確定與企業核心業務存在實質關聯性的SDGs，可令企業洞悉未來商機及規避潛在風險。在此基礎上，如企業在制定長期戰略時充分考量SDGs帶來的轉變與挑戰，據此制定企業自身的可持續發展目標並透過積極的企業行動將其落實，則可令企業於全球實現SDGs的進程中立於不敗之地，可把握機遇實現業務發展、提升持份者(或稱「利益相關方」)對企業的認可和強化企業品牌形象。本集團認同SDGs對自身長遠發展的重要性，並積極回應聯合國的呼籲。

The Group is a power generation company utilizing only renewable energy, enabling the business development of the Group to be naturally and highly consistent with SDGs. In addition to making proactive contributions to the sustainable development process by virtue of its business characteristics, the Group has also taken practical actions to generate positive impact on the empowerment of staff and local communities, while striving to reduce negative impact at the same time.

According to the recommendations in SDG Compass, the Group has assessed the impact of its business operations and development on the achievement of SDGs from the perspective of industry value chain, and identified certain areas most likely to generate impact. Accordingly, the Group has determined the three UN SDGs that are most relevant to our corporate development strategy and business priorities, namely "Affordable and Clean Energy" (Goal 7), "Sustainable Cities and Communities" (Goal 11) and "Climate Action" (Goal 13). In addition to the most relevant SDGs, the Group has also fully considered the areas of high importance to stakeholders and formulated our sustainable development targets in such areas.

The following shows how the Group contribution to the realization of SDGs in terms of corporate actions and lists our own sustainable development targets:

本集團為100%可再生能源發電企業，令本集團的業務發展自然而然地與SDGs存在高度一致性。除憑藉業務自身特性為可持續發展議程作出積極貢獻外，本集團亦以實際行動在賦能員工和當地社區等方面發揮正向影響，同時致力減少負面影響。

根據SDG Compass的建議，本集團從產業價值鏈的角度，評估自身業務經營及發展對SDGs目標實現的影響，識別出其中最有可能造成影響的若干領域。據此，本集團確定與我們的企業發展戰略及業務重點相關性最強的三項聯合國可持續發展目標，分別為「經濟適用的清潔能源」(目標7)、「可持續城市與社區」(目標11)和「氣候行動」(目標13)。除最強相關性的SDGs外，本集團亦充分考慮對利益相關方高度重要的領域，於相關範疇擬定我們的可持續發展目標。

以下展示了本集團如何在企業行動上為SDGs的實現作出貢獻，並提出我們的可持續發展目標：



Relevant specific goals 相關的具體目標

	GOAL 目標7： Affordable and clean energy 經濟適用的清潔能源		GOAL 目標11： Sustainable cities and communities 可持續城市與社區
7.1	By 2030, ensure universal access to affordable, reliable and modern energy services 到2030年，確保人人都能獲得負擔得起的、可靠的現代能源	11.3	By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries 到2030年，在所有國家加強包容和可持續的城市建設，加強參與性、綜合性、可持續的人類居住區規劃和管理能力
7.2	By 2030, increase substantially the share of renewable energy in the global energy mix 到2030年，大幅增加可再生能源在全球能源結構中的比例	11.6	By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management 到2030年，減少城市的人均負面環境影響，包括特別關注空氣質量，以及城市廢物管理等

 Corporate actions 企業行動

The most relevant areas 最強相關性範疇



The Group provides green and renewable energy to the society through its solar farms
本集團通過持有的太陽能电站發電為社會提供綠色、可再生能源

As of the end of 2019, all electricity sold by the Group was PV power
截至2019年底，本集團對外銷售的電力100%來自於光伏發電



The power system is the largest source for greenhouse gas emissions in the world. Therefore, more renewable energy is used to reduce the use of petrochemical energy. In particular, the substitution of coal-fired power generation has a significant positive effect on mitigating climate change, improving air quality, and building sustainable cities and communities
電力系統為全球最大的溫室氣體排放來源。因此，使用更多可再生能源，減少使用石化能源。特別是對燃煤發電的替代，對減緩氣候變化、提升空氣質量、建設可持續城市和社區具有重大正面影響

In 2019, the Group achieved a reduction of CO₂ by 1.349 million tonnes through photovoltaic power generation
於2019年，本集團通過光伏發電相當於減排二氧化碳134.9萬噸

Other areas 其他範疇



The Group makes positive contributions to "Goal 1: No Poverty", "Goal 8: Decent Work and Economic Growth" and "Goal 10: Reduced Inequalities" through donating to poverty alleviation power plants, operation of solar farm to promote employment opportunities, tax contribution to drive local economic development, active participation in social welfare activities to help the underprivileged
本集團通過捐贈扶貧电站、運營太陽能电站促進當地就業、稅收貢獻帶動當地經濟發展、積極參與社會公益活動幫扶困難群體等方式對「目標1：無貧困」、「目標8：體面工作和經濟增長」、「目標10：減少不平等」作出積極貢獻

	GOAL 目標13： Climate action 氣候行動	GOAL 目標1	No poverty 無貧困
		GOAL 目標3	Good health and well-being 良好健康與福祉
13.2	Integrate climate change measures into national policies, strategies and planning 將應對氣候變化的舉措納入國家政策、戰略和規劃	GOAL 目標4	Quality education 優質教育
		GOAL 目標5	Gender equality 性別平等
		GOAL 目標8	Decent work and economic growth 體面工作和經濟增長
13.3	Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning 加強氣候變化減緩、適應、減少影響和早期預警等方面的教育和宣傳，加強人員和機構在相關方面的能力	GOAL 目標10	Reduced inequalities 減少不平等
		GOAL 目標12	Responsible consumption and production 負責任消費和生產
		GOAL 目標15	Life on land 陸地生物



The Group expanded the scale of its owned and operated solar farms through acquisitions. It enhanced the power generation efficiency of existing solar farms through intelligent operation, so as to increase the green power that can be provided to the society and make a positive contribution to the improvement of the proportion of renewable energy in the global energy mix
本集團通過收購以擴大自身持有和運營的太陽能电站規模，及透過智能運營提升現持有的太陽能电站發電效益，以增加可為社會提供的綠色電力，為提升可再生能源於全球能源結構佔比作積極貢獻

In 2019, the scale of solar farms of the Group increased by 540MW, representing a year-on-year increase of 56.6%, and the annual electricity sales increased by 38.8% compared with last year.
本集團於2019年电站規模增加540MW，同比提升56.6%，年售電量同比提升38.8%



The Group currently owns two photovoltaic greenhouse education bases, which are open for visits to primary and secondary school students and the public, for education and publicity, including the principles and process of PV power generation, the application of PV power in modern agriculture and modern agriculture technology, and the benefits of PV power generation in climate mitigation
本集團目前擁有兩個光伏大棚科普基地，開放予中小學生及社會人士參觀，對相關群體進行包括光伏發電的原理和過程、光伏發電於現代農業的應用和現代農業技術、光伏發電對減緩氣候的裨益等方面的教育和宣傳

The Group arranged visiting and learning for a total of 1,665 visitors in 2019
本集團於2019年內共接待1,665名人士參觀學習



The Group ensures the health and safety of employees and the communities around its solar farms through standardized control for occupational safety and health, provides diversified trainings for existing employees to enhance their work skills and comprehensive capabilities, ensures fair, just and inclusive behaviours at all stages of employment, training, work and promotion, in order to make positive contributions to "Goal 3: Good Health and Well-being", "Goal 4: Quality Education", "Goal 5: Gender Equality", and reduces negative impacts on "Goal 12: Responsible Consumption and Production", "Goal 15: Life on land" through the Agricultural complementary solar farm model as well as cleaner and efficient operation and maintenance
本集團通過規範的職安健監管保障員工及电站周圍社區群眾的健康及安全，為在崗員工提供多樣化的培訓以提升其工作技能和綜合能力，在僱傭、培訓、工作及晉升等各階段確保公平、公正、無歧視等行動，對「目標3：良好健康與福祉」、「目標4：優質教育」、「目標5：性別平等」作出積極貢獻，並透過農光互補电站模式以及更潔淨和高效的運維減少對「目標12：負責任消費和生產」、「目標15：陸地生物」的負面影響

 Sustainable Development Targets 可持續發展目標


- 1 The scale of solar farms increased by 10-20% year-on-year, and the annual greenhouse gas emissions reductions increased by 10% through the provision of green electricity
電站規模按年增長10至20%，通過提供綠色電力達到年溫室氣體減排量增加10%
- 2 Continue to optimize operation and maintenance technology to further reduce water and energy consumption intensity 繼續優化運維技術，進一步降低水資源及能源消耗密度
- 3 Implement long-term management mechanism of safe operation and maintenance to achieve zero major equipment failure/power safety/fire accident, zero fatality and no serious injury accidents
貫徹安全運維長效管理機制，實現零重大設備／電力安全／火災事故、零死亡及重傷事故
- 4 Safeguard the health of employees and the surrounding community, and achieve the goal of zero incidence of occupational diseases among employees and zero harm to personal health
保障員工及周圍社區群眾的健康。實現零勞動者職業病發病率，及不損壞人身健康的目標
- 5 Adhering to the "people-oriented" principle, every employee is treated with respect, tolerance and equality. The Group protects employees' legitimate rights and interests, fair development ladders, and continues to provide them with diversified learning opportunities, with an aim to building an "inclusive, diversified and happy" team
堅持「以人為本」，尊重、包容及平等對待每一位員工。保障他們的合法權益、公平發展，持續為其提供多樣化的學習機會，建立「無歧視、多元化、高幸福感」的團隊
- 6 Leverage on our influence in the industry, the photovoltaic value chain and society to ensure universal access to renewable energy through education and awareness - raising
發揮企業於行業、產業價值鏈及社會的影響力，積極教育、宣傳及推廣可再生能源的普及使用

Sustainability governance requires the Group to, on the basis of maintaining its corporate governance of consistent openness and transparency, efficient performance of responsibilities, compliance and integrity, align the goal of achieving long-term corporate development with the positive contributions as a corporate citizen to global sustainability, and while bringing economic benefits to the society, actively fulfill its social responsibilities in environmental, social and corporate governance aspects, establish and improve its internal supervision system to produce positive impact on environmental protection, efficient use of resources, staff empowerment and community engagement. Therefore, this section elaborates on the Group's philosophy, regulatory structure and material issues in sustainability governance in two parts, namely ESG governance and corporate governance.

ESG Governance

Governance structure

ESG involves environment, society and governance, have gained increasing attention from the society, and have become important indicators along with economic benefits. It plays an important role in a company's development. Therefore, they are highly valued by various stakeholders including governments, regulators, investors and staff.

In order to ensure that the strategic policies formulated based on future development and long-term benefits are effectively implemented, the Group has established a stable governance structure for the management of ESG matters, where the daily management of environmental and corporate social responsibility related matters is mainly managed by the Chief Executive Officer ("CEO"), who submits annual ESG report with yearly data related to KPIs to the Board for review and release the report after the approval by the Board. For important matters such as safe production, occupational health and environmental management, the SOE Committee assists the CEO to carry out the relevant work, including but not limited to formulating annual, mid- and long-term plans, promoting and monitoring the progress of plan, and regularly reporting to the CEO on the performance of relevant duties and the progress of goals. For corporate governance-related matters, the committees under the Board are in charge of the business authorized by the Board according to their functions, and provide practical advices and opinions to the Board for decision-making.

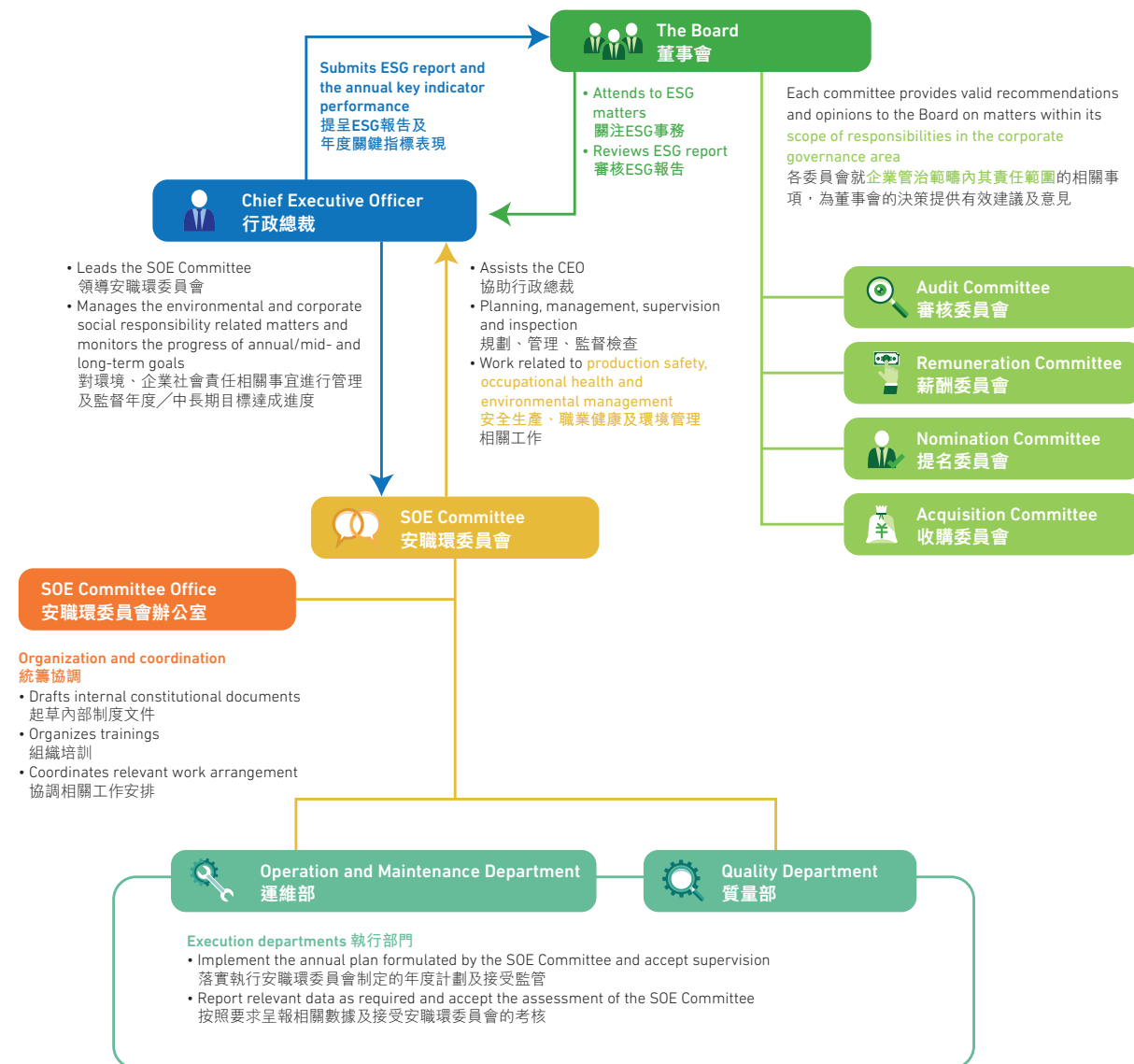
可持續發展管治要求本集團在維持一貫公開透明、履責高效、守法誠信的企業管治上，將實現企業恆久發展的目標與以企業公民身份為全球實現永續發展作出積極貢獻相結合，在為社會帶來經濟效益的同時，積極履行在環境、社會及企業管治方面的社會責任，建立及完善內部監管體系，為保護環境、善用資源、賦能員工、社區參與方面帶來正面的影響。因此，本章節分 ESG 事務管治及企業管治兩部分闡述本集團於可持續發展管治方面的理念、監管架構及重要事項。

ESG 事務管治

管治架構

ESG 事務涉及環境、社會及管治三方面，日漸受到社會各界重視，已成為與經濟效益並駕齊驅的重要指標，從發展的角度看對企業可產生更深遠影響，因此亦受到政府、監管機構、投資者、員工等多個利益相關方的高度關注。

為確保以未來發展和長遠利益為依歸而制定的戰略方針得以有效推進，本集團就 ESG 事務管理已建立穩健的管治架構。其中，環境、企業社會責任相關事宜的日常管理主要由行政總裁負責，向董事會提呈年度 ESG 報告及關鍵指標表現，接受董事會審閱，經董事會決議批准後發佈。有關安全生產、職業健康以及環境管理等重要性事務，由安職環委員會協助行政總裁開展相關工作，包括但不限於制定年度及中長期計劃、推動計劃實施及監督進度，並定期向行政總裁匯報相關工作表現及達成目標的進度。而企業管治相關事宜，由董事會下轄的各委員會根據其職能劃分對應負責已獲得董事會授權處理的事務，並就相關事項為董事會的決策提供有效建議及意見。



Xinyi Energy's Governance Structure of and Terms of Reference for ESG Matters
信義能源 ESG 事務管治架構及職責範圍

Identification of stakeholders

The Group defines "stakeholders" as individuals or groups that are materially affected by the Group's business activities and services and/or whose actions are expected to materially impact the Group's business operations, plan execution and goal achievement. According to the level of dependency and/or influence of the stakeholders on its business, the key stakeholders of the Group have been identified as staff, governments, communities, investors, analysts, customers and partners through the analysis based on the Stakeholder Influence - Dependency Matrix (《權益人影響——依賴程度矩陣》). Establishing good relationship and maintaining sincere communication with stakeholders and responding in a timely manner to their demands are a crucial part of the ESG governance, planning and goal setting of the Group. Therefore, during the Reporting Period, the Group maintained continuous communication with key stakeholders to understand their expectations, concerns and information disclosure requirements for the Group's business development and ESG governance, providing important references for the Group to assess the impact of its business on the environment and society and identify material environmental, social and governance issues.

持份者識別

本集團將「持份者」界定為深受集團業務活動及服務影響及／或其行動預期會對集團業務經營、計劃執行及目標達成產生重大影響的個人或團體。根據持份者對本集團業務的依賴程度及／或影響程度，透過《權益人影響——依賴程度矩陣》分析，識別出本集團的關鍵持份者，包括員工、政府、社區、投資者及分析師、客戶及合作夥伴。與持份者建立良好關係，保持坦誠溝通和及時回應他們的訴求，是本集團 ESG 事務管治工作、計劃及目標制定的至關重要的一環。因此，於報告期內，透過與關鍵持份者的持續溝通聯絡，瞭解他們對本集團業務及 ESG 事務管治的期望、關注重點及信息披露要求，為本集團評估自身業務對環境及社會的影響，以及識別重大的環境、社會及管治事宜提供了重要參考。



During the Reporting Period, the key stakeholders identified by the Group, the main channels of communication with them and the issues of concern are as follows:

報告期內，本集團已識別的關鍵持份者、與其溝通聯繫的主要渠道及其關注議題，如下表所示：

Key stakeholders 關鍵持份者	Issues of concern 關注議題	Main channels of communication 主要溝通渠道
 Staff 員工	Occupational health and safety 職業健康與安全 Remuneration and benefits 薪酬福利 Training and career development 培訓及職業發展 Labor management and compliance 勞工管理及合規 Corporate governance 企業管治	Trade union/staff representatives 工會／職工代表 Performance appraisal 績效考核 Department/group meetings 部門／集團會議 Trainings and staff activities 培訓及員工活動 Interviews and suggestion box for staff 面談及員工意見箱
 Governments and regulators 政府及監管機構	Safety management 安全管理 Environmental management and performance in environmental protection 環境管理及環保績效 Economic benefits (taxation, etc.) 經濟效益(稅收等) Corporate governance 企業管治 Social benefits (public welfare, employment, etc.) 社會效益(公益、就業等)	Laws and regulations 法律法規 Information reporting 信息報送 Site visit 實地走訪 Phone calls/meetings 電話／會談
 Communities 社區	Social benefits (public welfare, employment, etc.) 社會效益(公益、就業等) Safety management 安全管理 Impacts on ecosystem and environment 生態環境影響 Economic benefits 經濟效益 Corporate governance 企業管治	Public welfare activities 公益活動 Public visit to photovoltaic greenhouse education base 光伏大棚科普基地公眾參觀 Resolution meetings 協調會議 Phone calls/visits/company website 電話／來訪／公司官網

Key stakeholders 關鍵持份者	Issues of concern 關注議題	Main channels of communication 主要溝通渠道
 Investors and analysts 投資者及分析師	Corporate governance and risk control 企業管治與風險管控 Response to climate change 氣候變化應對行動 Economic benefits and return for shareholders 經濟效益與股東回報 Acquisition scale and development plan 收購規模及發展規劃 Talent management 人才管理	Announcements/circulars/financial reports/press releases/briefing materials 公告／通函／財務報告／新聞稿／簡報材料 Annual general meeting/extraordinary general meetings 股東週年大會／股東特別大會 Roadshows for investors/teleconferences/site visit to solar farms 投資者路演／電話會議／電站調研 Briefings for annual/interim results 年度／中期業績簡報會 Phone calls/emails/company website 電話／電郵／公司官網
 Customers and partners 客戶及合作夥伴	Stability of power supply 電力供應穩定性 Safety management 安全管理 Environmental management and compliance 環境管理及合規	Contracts/agreements 合同／協議 Phone calls/emails/meetings 電話／電郵／會談 Site visit/customer visit 實地走訪／客戶拜訪

Materiality assessment

In preparing the ESG Report for the Year, the Group adopted the recommendations in the Environmental, Social and Governance Reporting Guide of the Hong Kong Stock Exchange on materiality assessment, conducted the materiality assessment in accordance with the following procedures, and finally determined 14 material issues that are most important to the business operations and long-term development of the Group and/or most concerned by the stakeholders:

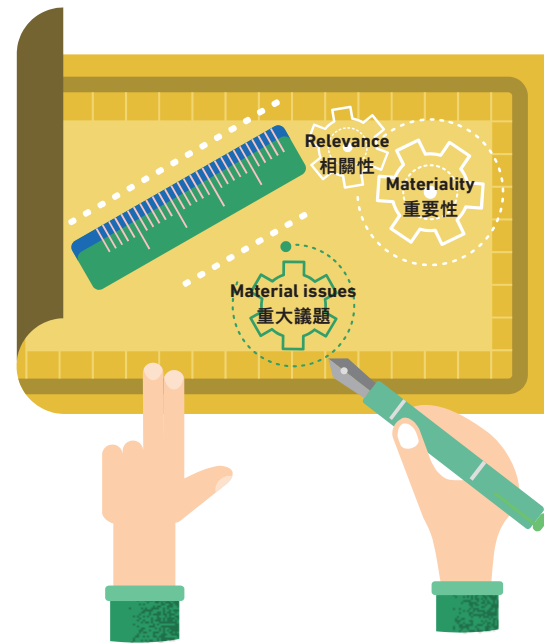
For the identified material issues, the Group has provided further information and the relevant KPI performance during the Reporting Period in separate sections of the Report below. For other issues that are not included in material issues, the relevant data and explanations have been provided on those involving key performance indicators on pages 69 to 79, 2019 ESG Reporting Guide Content Index.

重要性評估

在編製本年度 ESG 報告時，本集團採納香港聯交所《環境、社會及管治匯報指南》有關重要性評估的建議，按照以下程序進行重要性評估，並最終確定對於本集團業務運營和長遠發展最為重要及／或持份者最關注的 14 項重要議題：

針對已識別的重要議題，本集團已於本報告內後續獨立章節提供進一步的資料及報告期內相關的關鍵績效指標表現。針對未納入重要議題的其他議題，如涉及關鍵績效指標的均於第 69 至 79 頁的附錄：《2019 年環境、社會及管治報告內容索引》內提供相關數據或作出說明。

Materiality Assessment Process 重要性評估程序



Internal assessment 內部評估

- Prepares a complete list of issues based on the general disclosures made by the Hong Kong Stock Exchange and the KPIs
 - Adopts the materiality and relevance table (《重要性及相關性》) to assess the relevance of each issue to the Group's operation and its importance to the Group's long-term development
 - With reference to the Materiality Map published by the US Sustainability Accounting Standards Board (SASB), the material issues related to enterprises in the renewable resources & alternative energy sector, electric utilities & power generators industry
 - With reference to the Materiality table – by industry and aspect (《重要性列表 – 以行業及層面分類》) issued by the Hong Kong Stock Exchange, performance indicators that are very likely/likely to be material to enterprises in the utilities industry
 - Conducts peer comparison
 - Finalizes a list of potential issues
- 基於香港聯交所提出的一般披露及關鍵績效指標整理完整的議題清單
 - 採用《重要性及相關性》表格，對每項議題就與本集團業務經營的相關性及對本集團長遠發展的重要性進行評估
 - 參考美國永續會計準則委員會 (SASB) 發佈的重要性圖譜 (Materiality Map) 中，可再生能源產業、公用事業及發電行業所屬企業相關的重大議題
 - 參考香港聯交所《重要性列表 – 以行業及層面分類》中，對公用事業行業所屬企業非常可能／有可能產生重大影響的績效指標
 - 進行同業比較
 - 最終擬定潛在議題清單



Communication with external stakeholders 外部持份者溝通

- By constantly communicating with external stakeholders, we may understand the views of major stakeholders on the material matters and their recommendations on the Group's ESG information disclosure, identify the issues that are most important to and concerned by stakeholders as an important reference for the Group in determining material issues.
- 通過與外部持份者持續的溝通交流瞭解關鍵持份者對重要事項的意見及對本集團 ESG 資訊披露的建議，識別持份者最重要及其最關注的議題，作為本集團釐定重大議題的重要參考



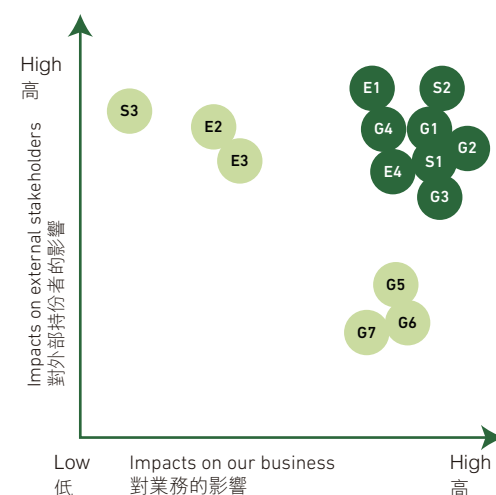
Priority 優次排序

- Considering both the internal assessment and the views obtained from stakeholders through communication, the materiality matrix is adopted to identify
 - 1. The issues that are material to both the stakeholders and the Group's business
 - 2. The issues that are material to either the stakeholders or our business
 - Prioritize the issues based on the results of the materiality matrix assessment
- 結合內部評估及持份者溝通的觀點，採用重要性矩陣識別出
- 對持份者及對本集團業務同時具有重要影響的議題
 - 對持份者或對業務具有重要影響的議題
- 根據重要性矩陣的結果進行議題的優次排序



Verification and determination of material issues 驗證及確定重大議題

- List of issues after prioritization is presented to the CEO and senior management for review, who ultimately determine the material issues that are most important to the Group's business and stakeholders
- 將優次排序後的議題列表提呈行政總裁及高級管理層審核，最終確定對本集團業務和持份者最為重要的重大議題

Materiality matrix
重要性矩陣

● Issues that have significant impacts on both the stakeholders and the Group's business
對持份者及本集團業務同時具有重要影響的議題

● Issues that have significant impacts on either the stakeholders or the Group's business
對持份者或本集團業務具有重要影響的議題

Material issues
重大議題Environment
環境

- E1 Impacts on ecosystem and environment
生態環境影響
- E2 Greenhouse gas/exhaust gases emissions and management
溫室氣體／廢氣排放及管理
- E3 Energy management
能源管理
- E4 Response to climate change
氣候變化應對行動

Society
社會

- S1 Available, affordable and stable supply of renewable energy
可獲得、可負擔、穩定的可再生能源供應
- S2 Economic benefits and community prosperity
經濟效益與社區繁榮
- S3 Community investment and empowering the future
社區投入與賦能未來

Governance
管治

- G1 Occupational health and safety
職業健康與安全
- G2 Management and control of systematic risks and emergency response
系統風險管控與突發事件應對
- G3 Compliant operation and integrity management
守法經營與廉潔管理
- G4 ESG Governance
ESG事務管治
- G5 Labor compliance
勞工合規
- G6 Remuneration package and talent retention
薪酬福利與人才保留
- G7 Equal opportunities and staff development
平等機會及員工發展

Corporate Governance

Governance philosophy and structure

The Board recognizes the importance of good corporate governance in the Group's management structure and internal control process for the purpose of ensuring that all business activities and decision-making process of the Group are properly regulated, thereby attracting the attention and gaining long-term support from the stakeholders sharing the same corporate values. Hence it is continuously scaling the business and promoting value for shareholders, and effectively protecting the rights and interests of shareholders and other stakeholders. To this end, the Group has formulated the procedures and regulations related to corporate governance in accordance with the Corporate Governance Code (the "CG Code") set out in Appendix 14 of the Rules Governing the Listing of Securities on the Hong Kong Stock Exchange, and strictly complied with the same during the Reporting Period.

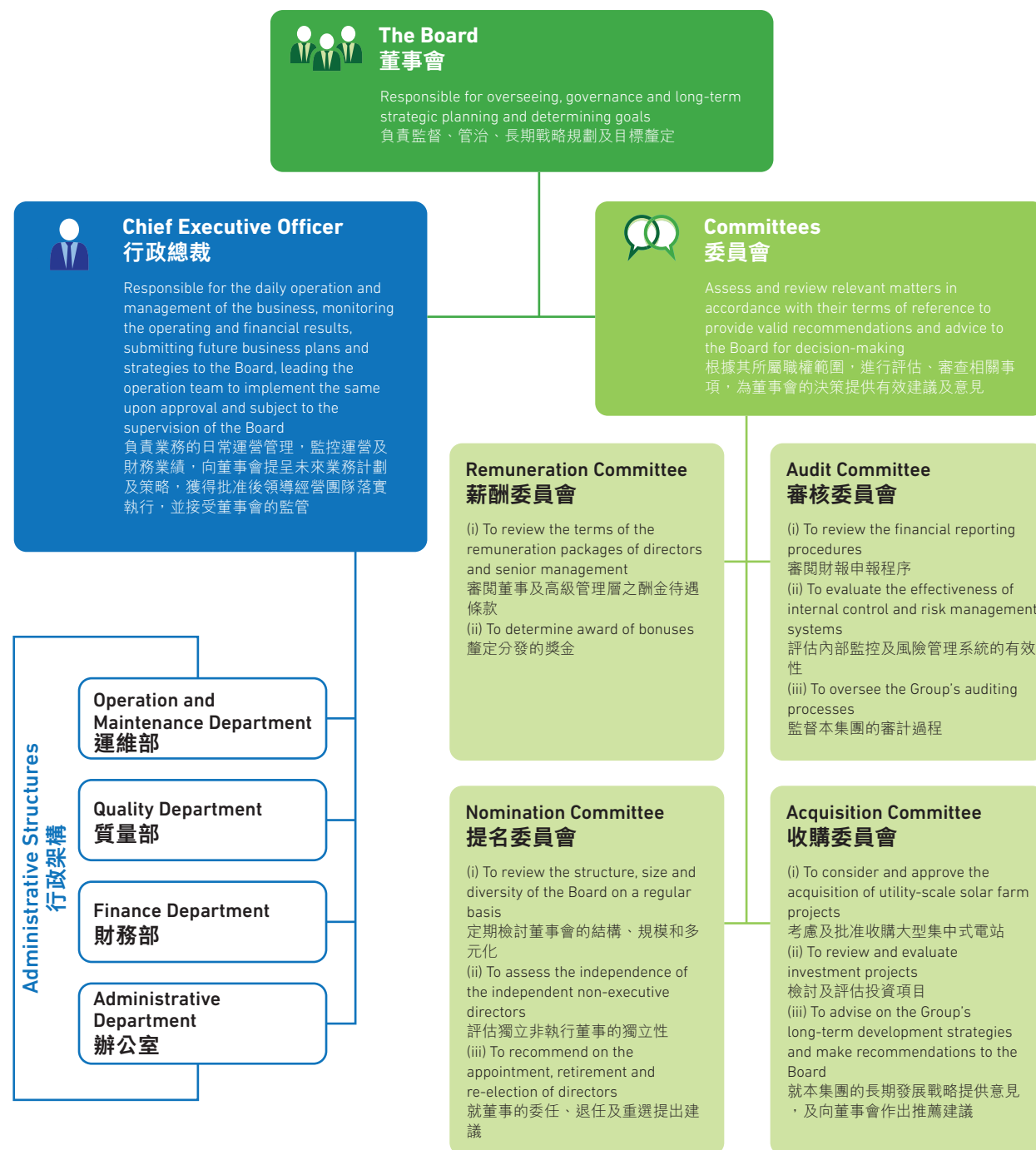
The Board is the formulator of the Group's overall strategies and goals, and the highest regulatory body for the Group's operation management, financial performance, corporate governance and ESG governance. In accordance with the requirements of relevant regulatory documents, the Group has adopted diversified policies to further enhance the Group's corporate governance and risk assessment and response capabilities. The Board of the Group consists of four executive directors, one non-executive director and three independent non-executive directors. The Board also has established Remuneration Committee, Audit Committee, Nomination Committee and Acquisition Committee. During the Reporting Period, the committees and directors performed their respective duties, and strictly abided by the rules and regulations to ensure the compliant and efficient operation of the Group.

企業管治

管治理念及管治架構

董事會認同於本集團管理架構及內部監控過程中良好企業管治的重要性，此舉有助確保本集團之所有業務活動及決策妥為規管，藉此可吸引與企業價值理念相一致的投資者的關注及長期支持，繼而可持續提升業務規模及股東價值，並有力保障股東及其他持份者的權益。為此，本集團依照香港聯交所證券上市規則附錄十四的《企業管治守則》（「**企業管治守則**」）制定了企業管治相關的程序及規範，並於報告期內嚴格遵守。

董事會為本集團整體策略及目標的制定者，及本集團運營管理、財務表現、企業管治、ESG事務管治的最高監管機構。根據相關規範性文件的要求，本集團已採納董事會多元化政策，進一步提升集團的企業管治、風險評估及應對能力。本集團董事會由四名執行董事、一名非執行董事及三名獨立非執行董事組成，另董事會下設薪酬委員會、審核委員會、提名委員會及收購委員會。報告期內，各委員會及董事各司其職，恪守規範，保障本集團規範及高效經營。



Xinyi Energy's Structure of and Terms of Reference for Corporate Governance
信義能源企業管治架構及職責範圍

For further details of the Group's corporate governance policies and measures, the effectiveness thereof and other information, please refer to the corporate governance report on pages 18 to 24 of the Company's 2019 annual report.

有關本集團更詳盡的企業管治政策、措施與其成效，以及其他資料詳情，請參閱本公司2019年年報第18至24頁刊載之企業管治報告。

Compliant operation

During the Reporting Period, the Group strictly complied with the national laws in China and the local regulations and rules in the places where the solar farm projects are located, to establish, implement and continuously improve the corporate standards for environmental protection, pollution control, energy use, labor relation, corporate operation and governance, thereby ensuring law-abiding and compliant operation. During the Reporting Period, the relevant laws and regulations that had a significant impact on the Group include:

守法經營

報告期內，本集團嚴格遵循中國國家法律及太陽能電站項目所在地的地方法規制度，以建立、執行及持續完善在環境保護、污染治理、能源使用、僱傭關係、企業運營及管治等範疇的企業規範，確保企業運營合法合規。報告期內，對本集團有重大影響的相關法律法規包括：



During the Reporting Period, the Group did not recognize any non-compliance, appeal and/or major legal dispute that had a significant impact on the Group relating to environmental protection, employment, health and safety, corruption and unfair competition was brought against the Group.

報告期內，本集團在經營中沒有任何與環境保護、僱傭、健康與安全、貪污及不正當競爭相關，並對本集團產生重大影響的已確認違規事件、申訴和／或重大法律糾紛。

Integrity management

In terms of integrity management, the Group strictly abides by the provisions related to corruption and bribery in the Criminal Law of the People's Republic of China (《中華人民共和國刑法》), the 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》), the Prevention of Bribery Ordinance of Hong Kong and other laws and regulations, and follows the established Integrity Management System (《廉潔管理制度》) to regulate and control the staff's behaviors, with zero tolerance for the illegal acts and non-compliances such as illegal acceptance of cash/benefits in kind or other benefits by taking advantaging of job positions, or offering bribes or other illegal benefits to customers/regulators/government authorities or other partners.

The Group has established an internal regulatory body to carry out integrity management and other relevant work, continuously improves the internal control structure to ensure that it can effectively identify, strictly prevent and control, and thoroughly investigate corruption, unfair competition or dishonest acts, and guides the staff to perform their duties with integrity and work with honesty through standardized internal codes, conduct guidelines and systems with clear rewards and punishments. In addition to implementing internal supervision through the internal control center and conducting integrity assessment on a regular basis, the Group provides multiple whistle blowing channels including by mails, emails and telephones to further strengthen the regulation of corrupted conduct with external support.

In addition to organizational regulation and supervision within the system, the Group also prioritizes the promotion of sense of integrity among management personnel and all staff. The Group regularly organizes special trainings on integrity and requires all staff to participate. During the Reporting Period, the Group organized a total of 322 hours of integrity-related trainings with 322 participants, representing a training rate of 100% among existing employees.

During the Reporting Period, there was no corruption litigation against the Group or its employees that had been concluded, and the Group was not aware of any material non-compliance of laws and regulations related to integrity and having a significant impact on the Group.

廉潔管理

在廉潔管理方面，本集團嚴格遵守《中華人民共和國刑法》中貪污、賄賂相關的條款、《中華人民共和國反不正當競爭法》、《防治賄賂條例》(香港)等法律法規，並依循既定的《廉潔管理制度》要求及管控員工的行為，對以權謀私收受現金／實務或其他好處，或向客戶／監管機構／政府機構或其他合作夥伴行賄或提供其他非法利益等違法違規的行為零容忍。

本集團已設立內部監管機構開展廉潔管理等相關工作，並持續完善內部監控架構以確保其可有效識別、嚴格防控及盡責督查腐敗、不正當競爭或失信行為，並且通過規範的內部守則、行為指南及獎懲分明的制度，引導員工廉潔履責，守信從業。除透過內控中心實施內部監管及定期進行廉潔考核外，本集團提供信函、電子郵件、電話等多個舉報渠道，在外部力量的協力下進一步加強對不廉潔行為的規管。

除體制上的規範及監管外，本集團亦重視對管理人員及全體員工廉潔觀念的培養。本集團定期開展廉潔專題培訓，並要求全體員工參與。報告期內，本集團開展的廉潔培訓合共322小時，獲得322人次參與，在職員工培訓率100%。

報告期內，未發生對本集團或僱員提出並已審結的貪污訴訟案件，本集團亦不知悉任何廉潔相關並對集團造成重大影響的嚴重違法違規情況。

“GREEN” Power Generation Business Model

According to the report of the International Energy Agency (the “IEA”), global carbon dioxide emissions stopped growing in 2019, with the total emission flatlined to that of 2018 even as the world economy expanded by nearly 3%, marking the first halt in carbon emission in the world in a decade. Up to the present, the power industry is still the largest source of greenhouse gas emissions. The IEA believes that the strong growth in wind and solar and the large-scale shift from coal to natural gas and nuclear power have contributed to a decline in global carbon dioxide emission.

The Group adheres to the mission of “Empowering the Green Era and Lighting up the World (賦能綠色新時代, 光源點亮千萬家)”, proposes a “GREEN” model for the operation of solar farms: “Green & Eco-friendly”, “Reliable & Safe”, “Established Emergency Mechanism”, “E-platform for Intelligent Operation and Maintenance”, and “Neighbour Engagement”, and strives to become the leading operator of renewable energy power plant.

During the Reporting Period, the two principal businesses of the Group were (i) solar power generation; and (ii) solar farm operation and management services. Since the solar farms for which the Group provides solar farm operation and management services are all held by third parties, the environmental performance in the Report only covers the data of the solar farms held by the Group on its own, excluding the data of the solar farms for which it provides operation and management services.

「GREEN」模式發電業務

國際能源署(「IEA」)報告指出，2019年，在全球經濟增長近3%的同時，全球二氧化碳排放停止增長，總排放量較2018年同比持平，為全球十年來碳排放量首次「停滯」。截至目前，電力行業仍為溫室氣體排放的最大排放源。IEA認為，風能和太陽能的強勁增長以及從煤電向天然氣和核電大規模轉變，促成全球二氧化碳排放量出現下降。

本集團恪守「賦能綠色新時代，光源點亮千萬家」的使命，在太陽能電站經營方面，提出「GREEN」模式：綠色環保、安全可靠、應急機制健全、智能運維、注重社區關係，矢志成為新能源電站運營行業的領導者。

報告期內，本集團兩項主營業務為(i)太陽能發電；及(ii)太陽能發電場的經營及管理服務。由於本集團提供發電場的經營及管理服務的太陽能電站均為第三方持有，故於本報告內所有的環境表現僅覆蓋由本集團自身持有的太陽能電站的數據，不包括為第三方提供代維服務的電站數據。

Green & Eco-friendly
綠色環保

- Sales of electricity solely generated from PV power with an annual reduction of 1.35 million tonnes in carbon emission
100%銷售電力來自光伏發電，年減碳量135萬噸
- Environmental-friendly solar farm model
環境友好型電站模式
- Low energy consumption with minimal pollution
低能源耗用，極近無污染

Established Emergency Mechanism
應急機制健全

- Following the Emergency Management System (《應急管理制度》) to standardize management procedure for various types of emergencies
依循《應急管理制度》規範各類突發事件的應急管理工作
- Formulating emergency response plans, filing with the National Energy Administration and local safety regulatory authorities, and conducting regular internal inspections and external expert assessments
制定應急預案，向國家能源局和當地安全監管部門備案，並定期進行內部檢查及外部專家評估
- Organizing emergency response skill trainings and emergency response drills
組織應急技巧培訓及應急預案演練



Reliable & Safe
安全可靠

- A sound safety management system
健全的安全管理制度
- Supervision by the SOE Committee
安職環委會履責監管
- Zero accident, zero injury and fatality in 2019
2019年零事故、零傷亡
- Ensure safe operation
確保安全運行
- Ensure a stable and reliable supply of electricity with an average utilization rate¹ for solar farms of over 100% in 2019
確保電力穩定可靠供應，2019年電站平均利用率¹超過100%

E-platform for Intelligent
Operation & Maintenance
智能運維

- Implementing centralized, electronic and 24-hour remote monitoring through our self-owned centralized operation management platform of solar farm
通過集團電站集中運營管理平台進行集中式、電子化、24小時遠程監控

Neighbour Engagement
注重社區關係

- High concerned and committed to benefit local communities and residents from business operations:
高度關注及致力令當地社區及居民從業務運營中受益：
 - ✓ Conserving resources
資源保護
 - ✓ Promoting employment
促進就業
 - ✓ Improving living environment
改善生活環境

Operation Model for Xinyi Energy's Solar Farms
信義能源太陽能電站運營模式

Notes:

(1) Average utilization rate = Actual utilization hours for the year/Estimated maximum utilization hours for the year

備註：

(1) 平均利用率＝年內實際利用小時數／年內的估計最高利用小時數

2019 Core Environmental Performance 2019 年環境核心指標		
Index 指標	Unit 單位	Performance during the Reporting Period 報告期內表現
Electricity sold 銷售電量	kWh 千瓦時	1,604,524,000
Equivalent to saving standard coals 相當於節約標準煤	tonnes 噸	493,552
Equivalent to reducing CO ₂ emissions 相當於減少二氧化碳排放	tonnes 噸	1,349,405
Equivalent to reducing Nitrogen Oxides (NO _x) emissions 相當於減少氮氧化物(NO _x) 排放	tonnes 噸	305
Equivalent to reducing Sulphur Dioxide (SO ₂) emissions 相當於減少二氧化硫(SO ₂) 排放	tonnes 噸	321
Equivalent to planting trees 相當於種植樹木	plants 棵	58,669,769
Equivalent to household electricity consumption 相當於家庭用電量	households 戶	802,262
Emissions 排放物		
Emission of exhaust gases 廢氣排放		
Nitrogen Oxides (NO _x) 氮氧化物(NO _x)	kilograms 千克	463.30
Sulphur Dioxide (SO ₂) 二氧化硫(SO ₂)	kilograms 千克	0.88
Particles (smoke and dust) 顆粒物(煙塵)	kilograms 千克	43.11

2019 Core Environmental Performance 2019 年環境核心指標		
Index 指標	Unit 單位	Performance during the Reporting Period 報告期內表現
Emissions of greenhouse gas 溫室氣體排放		
Total emissions of greenhouse gas ¹ 溫室氣體排放總量 ¹	tonnes of CO ₂ equivalent 噸二氧化碳當量	11,193.23
– Direct emissions (Scope 1) 直接排放(範圍1)	tonnes of CO ₂ equivalent 噸二氧化碳當量	148.69
– Indirect emissions ² (Scope 2) 間接排放 ² (範圍2)	tonnes of CO ₂ equivalent 噸二氧化碳當量	11,095.33
Emission intensity of greenhouse gas ³ 溫室氣體排放量密度 ³	tonnes of CO ₂ equivalent 噸二氧化碳當量	6.98
– Direct emissions (Scope 1) 直接排放(範圍1)	tonnes of CO ₂ equivalent 噸二氧化碳當量	0.09
– Indirect emissions (Scope 2) 間接排放(範圍2)	tonnes of CO ₂ equivalent 噸二氧化碳當量	6.92
Wastes 廢棄物		
Total hazardous wastes 有害廢棄物總量	tonnes 噸	77.00
– Intensity of hazardous wastes ³ 有害廢棄物密度 ³	kilograms 千克	47.96
Total non-hazardous wastes 無害廢棄物總量	tonnes 噸	16.10
– Intensity of non-hazardous wastes ³ 無害廢棄物密度 ³	kilograms 千克	10.05

2019 Core Environmental Performance 2019 年環境核心指標		
Index 指標	Unit 單位	Performance during the Reporting Period 報告期內表現
Consumption of resources 資源使用		
Total energy consumption 能源消耗總量	kWh 千瓦時	13,732,006
– Total direct energy consumption 直接能源消耗總量	kWh 千瓦時	538,991
– Total indirect energy (purchased electricity) consumption 間接能源(外購電力)消耗總量	kWh 千瓦時	13,193,015
Intensity of energy consumption ³ 能源耗量密度 ³	kWh 千瓦時	8,558
Total water consumption 總用水量	cubic meters 立方米	7,065
– Intensity of water consumption ³ 耗水密度 ³	cubic meters 立方米	4.40

Notes:

備註：

- (1) Greenhouse gas emissions data = Direct emissions + Indirect emissions – CO₂ removals from newly planted trees

(2) Indirect emissions of greenhouse gas is calculated based on the emission coefficient set out in the China Power 2019 (《中國電力行業年度發展報告2019》)

(3) Emission intensity, energy consumption intensity and water consumption intensity are calculated by emission/consumption per million kWh of electricity
- (1) 溫室氣體排放數據＝直接排放量＋間接排放量－新增種植樹木的二氧化碳減排量

(2) 間接排放溫室氣體排放量根據《中國電力行業年度發展報告2019》的排放係數計算

(3) 排放量密度、能源耗量密度及耗水密度為每百萬度銷售電力的排放／耗用量

Green, Efficient and Safe Operation of Solar Farms Environmental-friendly solar farms

As a pure solar power producer and solar farm operation and maintenance service provider, the Group highly concerns the impact arose from the daily operation of solar farms on the ecological environment. Therefore, the Group actively explores an environmental-friendly solar farm model that coexists harmoniously with the primal environment, takes appropriate measures in daily operations to effectively manage the emission of air pollutants, greenhouse gases and wastes, and ensures the efficient and reasonable use of energy and water resources to put green and efficient operation in practice.

綠色、高效、安全電站運營 環境友好型電站

作為純太陽能發電企業及太陽能電站運維服務供應商，本集團高度關注在電站日常經營對生態環境的影響。因此，本集團積極探索與原生環境和諧共存的環境友好型電站模式，並於日常運營中採取合宜的措施有效管理大氣污染物、溫室氣體、廢棄物的排放，並做到高效合理使用能源及水資源，實現真正的綠色高效運營。



Environmental-friendly solar farm ①: Agricultural complementary solar farm model ("Agricultural-PV model")

環境友好型電站①：農光互補電站模式

Agricultural-PV model is co-developing the same area of land for both PV power generation and agricultural planting based on local conditions without changing the original nature and topography of the land, and grows plants under solar panels to achieve a reasonable allocation of space and maximize the use of limited resources, where the efficiency of power generation, agricultural production and land use are all not affected. Through producing renewable energy, Agricultural-PV model helps optimizing the local energy mix with substantial economic benefits.

When selecting the crops for planting under solar panels, the Group will take full consideration of the cash crops in the place where the solar farm is located. For example, the Group plants golden chrysanthemums and purple cabbages in Xiaochang Solar Farm, and figs in Hong'an Solar Farm.

農光互補電站是在不改變原有土地性質及地形地貌基礎上，因地制宜，將光伏發電與農業種植相結合，進行「板下種植」，實現空間的合理分配，實現有限資源的最大化利用：不誤發電效益、不誤農業生產、不誤土地利用。農光互補電站不僅可提供綠色電力優化當地能源結構，同時具備良好的經濟效益。

本集團選擇板下種植的作物時會充分考慮電站所在地的特色經濟作物，如孝昌光伏電站種植金絲皇菊、紫甘藍，紅安光伏電站種植無花果。

Agricultural complementary solar farm projects of Xinyi Energy 信義能源農光互補電站項目



Xiaochang Solar Farm
孝昌光伏電站



Hong'an Solar Farm
紅安光伏電站



Environment-friendly solar farm ②: Fishing light complementary solar farm model

環境友好型電站②：漁光互補電站模式

Fishing light complementary solar farm cleverly integrates the two industries of solar farm and fishing, both require a lot of land resources, to maximize the utilization of land and realize "power generation above water, and cultivation under water", which does not only make full use of water resources to enhance the economic benefits of the solar farm, but also enable the PV modules to reduce the photosynthesis of algae at water surface by blocking the sunlight, thereby effectively inhibiting the overgrowth of algae, purifying water quality and improving eutrophication.

漁光互補電站巧妙地結合光伏和漁業兩個需要大量土地資源的產業，充分發揮垂直立體空間的使用價值，實現「水上發電，水下養殖」，不僅可充分利用水域資源提升電站經濟效益，同時光伏組件遮擋陽光後可降低水面藻類光合作用，有效抑制藻類過度生長，具有淨化水質、改善富營養化水體的效果。

Fishing light complementary solar farm projects of Xinyi Energy 信義能源漁光互補電站項目



Fanchang Solar Farm
繁昌光伏電站



Shouxian Solar Farm
壽縣光伏電站



Environmental-friendly solar farm ③: Effective governance model for coal mining subsidence areas
環境友好型電站③：採煤沉陷區有效治理模式

Years of coal mining have caused large surface areas to subside, forming subsidence areas, where the ecological environment has been severely damaged. Due to the severe damage to vegetation, water resources and arable land resources, the life of local residents have been significantly affected.

As part of the Top Runner Program, the Huainan Solar Farm project of Xinyi Energy was built on the idle water surface of the coal mining subsidence area in Liugang Town and Wangfenggang Town, Xiejiaji District, Huainan City, Anhui Province. The Huainan project is a successful case for constructing floating solar farm to achieve the improvement of waste mining subsidence area. It does not only make tax contributions by deriving revenue through power generation, but also restores the environment through effective governance.

經年累月的煤炭開採導致大面積的地表沉陷，形成沉陷區，區域內生態環境被嚴重破壞。由於植被、水源、耕地資源的嚴重受損，當地居民的生活受到極大影響。

信義能源淮南光伏電站項目為領跑者計劃光伏項目，建設於安徽省淮南市謝家集望峰崗鎮劉崗鎮採煤場陷區的閑置水面上。淮南項目是利用漂浮式光伏電站建設實現廢礦場陷區治理的成功案例，不僅通過發電創收貢獻稅收，同時透過有效治理實現生態環境修復。

Successful campaign of Xinyi Energy to treat coal mining subsidence areas by constructing solar farms
信義能源利用光伏電站建設治理採煤沉陷區的成功探索



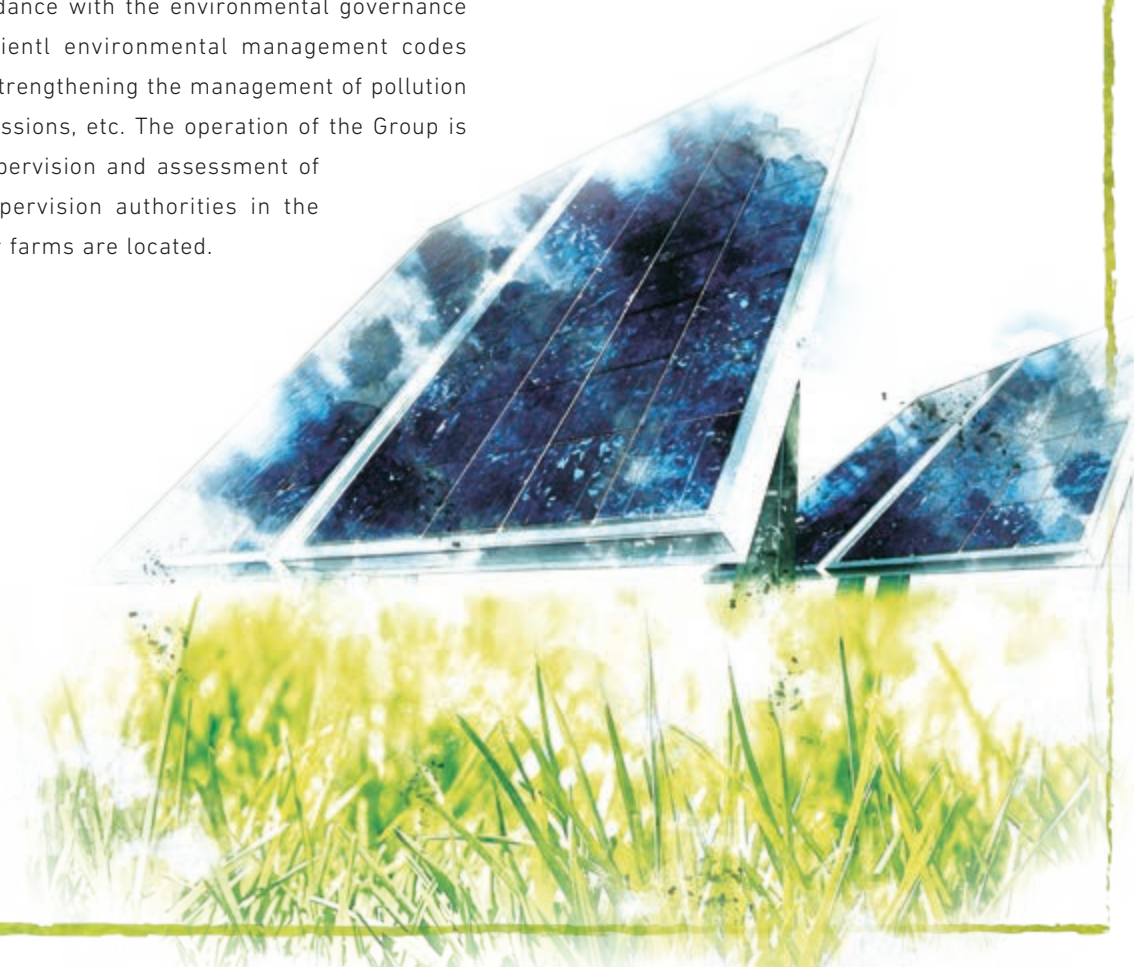
Huainan Solar Farm
淮南光伏電站

Green and efficient operation and maintenance of solar farm

Solar farms can provide the society with green and clean power, thereby reducing dependence on use of fossil fuels and making considerable contributions to carbon emission reduction. Since PV power generation does not consume fossil fuels and operates without mechanical machinery, no pollutions and emissions are generated in the whole process of power generation, with no greenhouse gases or other harmful air pollutants emitted into the atmosphere, and no negative impact on the environment in terms of sound and water. As a company solely engaged in operating solar farms, the core operations of the Group generally have a positive impact on the environment. In addition, in response to the resources and energy consumption as well as pollutant emissions arising from the use of vehicles and electricity purchased during the operation of solar farms, the Group has established and continuously improves its internal environmental protection monitoring system, and minimizes the negative impact of daily operations on the environment by strictly abiding by national/local environmental laws and regulations in China and has internally established environmental management codes, carrying out environmental management in accordance with the environmental governance procedures. The efficientl environmental management codes cover energy saving, strengthening the management of pollution sources to reduce emissions, etc. The operation of the Group is also subject to the supervision and assessment of the environmental supervision authorities in the places where the solar farms are located.

綠色高效電站運維

太陽能電站可為社會提供綠色潔淨的電力，從而減少對化石燃料使用的依賴，貢獻可觀的碳減排量。光伏發電因不消耗化石燃料，無器械運作，因此電能產能整體過程零污染、零排放，既不會向空氣排放溫室氣體或其他有害大氣污染物，亦不會對聲環境、水環境造成負面影響。作為純太陽能發電企業，本集團的核心業務經營主要對環境產生積極的正面影響。此外，應對運營太陽能電站過程中因車輛使用、外購電力等產生的資源和能源消耗以及污染物排放，本集團已建立並持續完善內部環保監督體系，通過恪守中國／地方的環保法律法規及內部既定的環境管理守則，依循環境管治程序有序開展環境管理工作，包括高效使用能源、加強污染源管理減少排放等，並接受電站所在地環境監管部門的監督考核，最大程度地降低日常運營對環境產生的負面影響。



The negative impacts of the daily operations of the Group's solar farms on the environment and the corresponding environmental governance measures during the Reporting Period are as follows:

Environmental impacts 環境影響	Operating activities that generate emissions/involve resource consumption 產生排放／涉及資源消耗的運營活動	Governance measures 管治措施
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Pollutant emissions
污染物排放

 Greenhouse gas emissions 溫室氣體排放	- Direct emission arising from the use of vehicles in daily operation 因日常經營使用車輛產生的直接排放 - Since solar energy is intermittent energy, it is necessary to purchase electricity externally to maintain 24-hour operation of the solar farms and domestic consumption by staff, which indirectly generate greenhouse gases 由於太陽能為間歇性能源，因此需外購電力維持太陽能電站的24小時運作，同時電站員工涉及生活用電，從而間接產生溫室氣體排放	- Implementing centralized electronic remote monitoring through a centralized operation management platform, to enable precaution alarm, accurate identification of areas involving potential risks, more reasonable allocation of on-site vehicles at solar farms, and efficient use of energy 通過集中運營管理平台進行集中式、電子化遠程監控，做到提前預警、準確識別潛在風險區域，更合理調配電站當地車輛，高效使用能源 - Advocating the concepts of energy conservation and environmental protection, and guiding the staff to consciously reduce unnecessary electricity consumption in daily work and life, such as turning off idle electrical appliances or lighting, etc. 提倡節能環保觀念，引導員工於日常工作及生活上有意識地做到減少不必要的用電，例如關閉閒置的電器或照明設施等
	 Air pollutant emissions 大氣污染物排放	- Air pollutant emissions including nitrogen oxides (NO_x), sulphur dioxide (SO₂) and particles arising from the use of vehicles in daily operation 因日常經營使用車輛產生包括氮氧化物(NO_x)、二氧化硫(SO₂)和顆粒物等大氣污染物的排放 - Implementing remote monitoring through a centralized operation management platform, to enable optimal deployment of vehicles, and reduction of air pollutant emissions arising from the unnecessary use of vehicles 通過集中運營管理平台進行遠程監控，合理調配車輛，減少因不合理使用車輛所產生的大氣污染物排放

本集團太陽能電站日常運營對環境產生的負面影響，及於報告期內對應的環境管治措施如下所示：

Environmental impacts 環境影響	Operating activities that generate emissions/involve resource consumption 產生排放／涉及資源消耗的運營活動	Governance measures 管治措施
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Pollutant emissions
污染物排放

 Wastes generation 廢棄物產生	- The hazardous wastes generated from the daily operation and maintenance of solar farms mainly include disused components, disused circuit boards, junction boxes, waste oil, disused batteries, toner cartridges, ink cartridges, etc. 電站日常維護產生的主要有害廢棄物包括廢棄組件、廢舊線路板、接線盒、廢油、廢棄電池、碳粉匣、墨匣等 - Non-hazardous wastes mainly include domestic garbage, waste paper, etc. 無害廢棄物主要包括生活垃圾、廢紙等	- Strictly complying with the laws and regulations on the treatment of hazardous materials such as the Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste 《中華人民共和國固體廢物污染環境防治法》 and the Standard for Pollution Control on Hazardous Waste Storage (GB18597-2001) 《危險廢物貯存污染控制標準 (GB18597-2001) 》，to entrust qualified agencies for disposal and is under the supervision of local regulatory authorities 針對有害危險物的處理，嚴格按照《固體廢物污染環境防治法》、《危險廢物貯存污染控制標準 (GB18597-2001) 》等法律法規的要求，委託有資質的單位進行處置並接受當地監管機構的監管 - Main transformers and box-type transformer substations are protected by anti-seepage treatment with collection tanks placed underneath and are regularly inspected manually and monitored via electric system to prevent water pollutant from oil leaking 為防止變壓器油滲透可能導致對水資源的污染，在主變壓器和箱式變壓器下設收集槽及作充足的防滲處理，並安排運維人員定期進行巡檢及通過電子系統進行監管
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Environmental impacts 環境影響	Operating activities that generate emissions/involve resource consumption 產生排放／涉及資源消耗的運營活動	Governance measures 管治措施
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Pollutant emissions 污染物排放

- ✓ Internal waste recovery of those recyclable, such as disused components, disused batteries, toner cartridges and ink cartridges, or sending them back to the manufacturers for centralized recycling
對於可回收的廢棄物，如廢棄組件、廢棄電池、碳粉匣、墨匣等內部進行回收利用，或是寄回生產商進行統一回收處理
- ✓ Promoting the awareness of paperless office and paper recycling, and reduce paper consumption at office through electronic management and communication
推廣無紙化辦公及循環用紙意識，通過電子化管理及通訊，減少辦公用紙

Resource consumption 資源消耗



- Energy consumption mainly comes from the electricity used in offices, solar farms and by staff, and the gasoline and diesel consumed by vehicles. The electricity purchased externally accounting for 96% of total energy consumption
能源消耗主要包括辦公室、電站及員工使用的電力，車輛耗用的汽油及柴油，其中外購電力佔能源消耗總量96%
- ✓ Implementing remote monitoring through a centralized operation management platform, to enable optimal allocation of vehicles, and efficient use of energy
通過集中運營管理平台進行遠程監控，合理調配車輛，高效使用能源
- ✓ Advocating the concepts of energy conservation and environmental protection, reducing unnecessary electricity consumption
提倡節能環保觀念，減少不必要的用電

Environmental impacts 環境影響	Operating activities that generate emissions/involve resource consumption 產生排放／涉及資源消耗的運營活動	Governance measures 管治措施
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Resource consumption 資源消耗



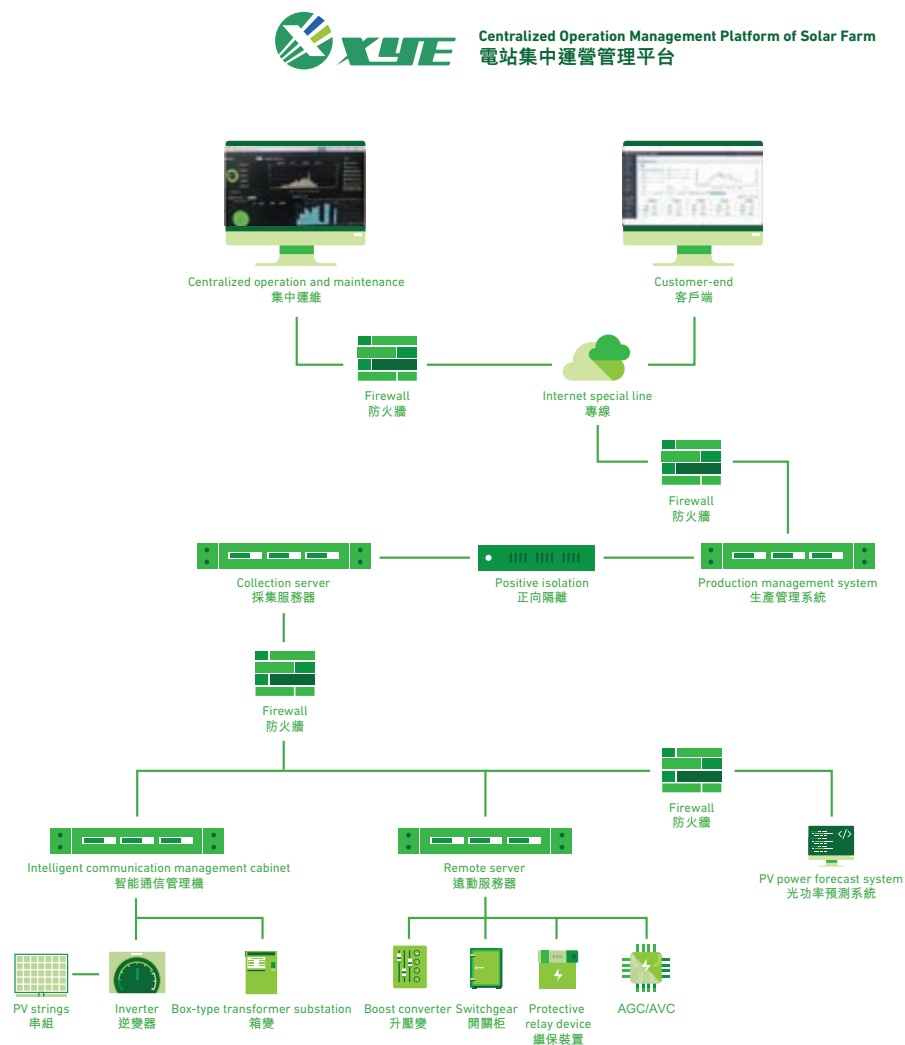
- Mostly the water consumed in office buildings at solar farms and by staff in daily life
主要為電站辦公樓及員工生活用水
- ✓ Cleaning modules with environmental-friendly method (waterless or with natural water), to effectively reduce water consumption in solar farm operation
採用環保清潔方式(無水／使用自然水)進行組件清潔，有效降低電站運營中的水資源消耗
- ✓ Promoting environmental protection concepts and encouraging staff to reduce unnecessary use of water in daily work and life
提倡節能環保觀念，引導員工於日常工作及生活上有意識地做到減少不必要的用水
- ✓ Making plans for and supervising the use of water at solar farms to prevent unnecessary water consumption
對電站用水制定計劃及進行監督，防止不合理用水

Intelligent operation and maintenance

The Group integrates PV power generation technology with Internet of Things, big data, cloud computing and other technologies, and successfully develops a centralized operation management platform, which connects the main equipment/systems such as inverter, transformer and intelligent optical power control system (AGC/AVC) at each solar farm, to the centralized operation and maintenance control center in Wuhu, Anhui. It collects and transmits the operation data at the solar farm in real time through intelligent monitoring and communication equipment, and facilitates the operation and maintenance personnel at the centralized operation and maintenance control center to analyze, timely identify potential risks and troubleshoot more accurately, thereby improving the efficiency of offline operation and maintenance. Intelligent operation and maintenance has changed the traditional passive and extensive operation and maintenance mode, and reduced lagging in staffing and communication during manual operation and maintenance, and effectively optimized power generation on the basis of ensuring stable operation of solar farms.

智能運維

本集團將光伏發電技術與物聯網、大數據、雲計算等技術相結合，成功開發集中運營管理平台，通過智能監控及通訊設備將每個太陽能電站的逆變器、變壓器、光功率智能調控系統(AGC/AVC)等主要設備／系統與位於安徽蕪湖的運維集控中心相連，實時採集及傳送太陽能電站的運營數據，以方便運維集控中心的運維人員進行分析，及時識別潛在的風險、更準確地進行故障診斷，從而提高線下運維的效率。智能運維一改傳統被動、粗放的運維模式，並有效解決人工運維存在人員編製及信息傳遞滯後性的問題，在保障電站穩定運營的基礎上有效提高發電量。



The data accumulated at the centralized operation management platform can enable the more reasonable allocation of materials, vehicles and operation and maintenance personnel to accurately respond to the operation and maintenance needs of solar farms. At the same time, long-term operation statistics can help the Group and its customers to understand the level of solar irradiation, annual fluctuations, frequency and change patterns of extreme weather in the places where the solar farms are located, thus improving the accuracy of forecast on annual power generation and precaution measures against extreme weather to reduce the possible negative impact.

In addition, ever since the development of the centralized operation management platform, the Group emphasized information security, adopted various measures such as setting up Internet special line and multiple firewalls to improve the security of the entire system, and conducted continuous system optimization and regular inspections during daily operation and maintenance, so as to eliminate hidden security risks and ensure information security during data collection, measurement, analysis and feedback. During the Reporting Period, the Group did not come across major information security related incidents.

依據集中運營管理平台累計的數據進行管理，不僅可以更合理地調配物資、車輛及運維人員，精準回應太陽能電站的運維需求。同時，長期的運營數據統計可幫助本集團及客戶瞭解電站所在地的光照水平、年波動幅度、極端天氣的發生頻次及變化規律，提高對年發電量預測的準確性，並有助於及早部署應對極端天氣的工作以降低極端天氣可能帶來的負面影響。

此外，本集團在進行集中運營管理平台開發時就高度重視信息安全問題，採取互聯網專線及設置多重防火牆等措施提高整個系統的安全性，並在日常運維時通過持續優化系統及定期排查以消除安全隱患，確保在數據收集、計量、分析、反饋過程中的信息安全。報告期內，本集團未出現重大信息安全相關的事件。



Safety management

Power safety is critical to the security of life and property, and has a significant and profound impact on the surrounding communities and local society. Standardizing safety management, preventing various solar farms accidents, and ensuring the safe operation of power plants and stable power supply are the issues that governments, society, customers and other stakeholders are most concerned about for power generation companies, and are extremely important to the operation and development of such companies. In order to ensure the safe and effective operation of the Group's solar farms, according to the requirements of Electric Power Law of the People's Republic of China (《中華人民共和國電力法》), Law of the People's Republic of China on Work Safety (《中華人民共和國安全生產法》), the Regulations on the Standardization of Safety Production for Photovoltaic Power Generation Enterprises (Guo Neng An Quan [2015] No.127) (《光伏發電企業安全生產標準化創建規範》(國能安全[2015]127號)), and the Regulations on the Major Safety Production Responsibilities of Production and Operation Units (《生產經營單位安全生產主體責任規定》) in various provinces and cities, the Group has formulated a Safety Management System (《安全管理制度》), and has established a safety production supervision system, implemented a system of "one post, one responsibility", and delegated respective safety production responsibilities to all the staff to ensure that production safety duty is discharged strictly in accordance with the established internal systems, and that annual and mid- to long-term goals are achieved.



Number of work-related fatalities: **0** person
因工死亡人數：**0**人



Lost of working days due to work-related injuries: **0** day
因工傷損失工作日數：**0**日



Safety training: **2,596** hours
100% training coverage for frontline workers
安全培訓：**2,596**小時
一線作業人員培訓覆蓋率**100%**



安全管理

電力安全關乎生命財產安全，對周邊社區及當地社會具有重大且深遠的影響。因此，規範進行安全管理，防範各類電力安全事故，保障電站安全運行及電力供應穩定，是政府、社會及客戶等多方持份者對發電企業最為關注的議題，對企業的經營及發展亦極為關鍵。為確保本集團太陽能電站安全有效地運行，根據《中華人民共和國電力法》、《中華人民共和國安全生產法》、《光伏發電企業安全生產標準化創建規範》(國能安全[2015]127號)，以及各省市的《生產經營單位安全生產主體責任規定》的要求，本集團已制訂《安全管理制度》，並已建立安全生產監管體系，實行「一崗一責制」，落實全員安全生產職責，以確保安全生產工作嚴格按照既定的內部制度執行，以及達成年度和中長期目標。

Performance of Xinyi Energy in Safety Production Management in 2019

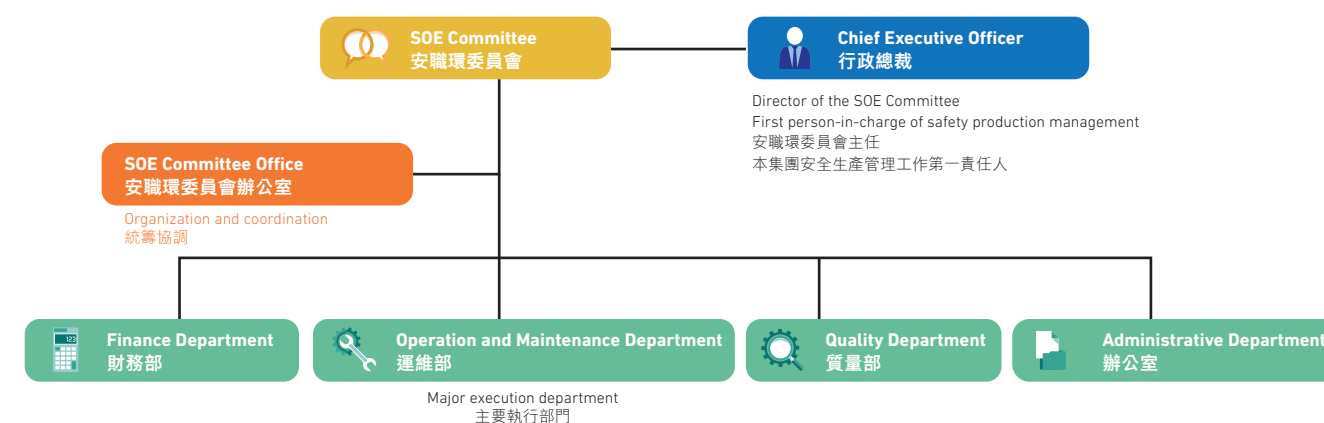
信義能源 2019 年安全生產管理工作表現

Safety production management structure

The SOE Committee is the highest management and supervision organization in safety production, occupational health, fire safety and emergency rescue which is responsible for regularly analyzing the safety production conditions of the Group, formulating annual plans and mid- to long-term plans for safety management work, establishing annual safety production assessment indicators, and coordinating, directing and supervising safety production on an ongoing basis. The CEO serves as the director of the SOE Committee, and is also the first person-in-charge for safety production management of the Group, responsible for coordinating of annual safety plans and supervising the execution of daily safety work; the general manager serves as the deputy director of the SOE Committee, responsible for supervising the formulation and implementation of the annual safety production plans of various departments, and coordinating and arranging comprehensive/specifies safety production inspections; the members are the heads of respective departments of the Group who are responsible for the formulation, coordination, execution and management of safety production of the departments under their prevision, including but not limited to arranging safety training and safety drills, and overall management of safety signages and safety equipment. Under the guidance of the general manager, the SOE Committee Office (the "SOE Committee Office") under the SOE Committee is responsible for drafting internal policies/systems related to safety production, providing opinions to the SOE Committee as to the establishment of the arrangements/annual plans/long-term plans and annual assessment indicators for safety production, and organizing safety education and training.

安全生產管理架構

安職環委員會為安全生產、職業衛生、消防安全、應急救援方面的最高管理及監督機構，負責定期分析本集團的安全生產形勢，制定安全管理工作年度計劃及中長期規劃，訂立年度安全生產考核指標，統籌、指導及長期監管安全生產工作等。行政總裁擔任安職環委員會主任，亦為本集團安全生產管理工作第一責任人，負責統籌年度安全工作的規劃和監督日常安全工作的執行；總經理擔任安職環委員會副主任，負責監管各部門年度安全生產計劃的制定及執行，統籌安排綜合性／專項安全生產檢查；成員由集團各部門的部長出任，負責所轄部門的安全生產制定、統籌、執行、管理工作，包括但不限於安排部門的安全培訓和安全演練、安全標示和安全器材的統籌管理等。安職環委員會下設安職環委員會辦公室(「安委辦」)，在總經理的指導下負責起草安全生產相關的內部方針／制度，就本集團的安全生產工作的安排／年度計劃／中長期規劃及年度考核指標的訂立為安職環委員會提供建議，組織安全教育培訓等工作。



Safety Production Management Structure of Xinyi Energy

信義能源安全生產管理架構

Safety production management system

a. Management and control of systematic risks

The Operation and Maintenance Department is the core business department of the Group, thus the core department for the implementation of the safety production plan. The Group's safety production work is divided into two parts: regular management and control of systematic risks, and emergency response. With regard to management and control of systemic risks, the Group has established standardized procedures for safety education, safety management, safety inspection and supervision, etc., with regular assessments and reviews through a rigorous evaluation system, and has established a reward and penalty system as incentives.

安全生產管理制度

a. 系統風險管控

運維部為本集團核心業務部門，因此亦是執行安全生產計劃的核心部門。本集團的安全生產工作分為常規的系統風險管控及突發事件應對兩部分。針對系統風險管控，本集團對安全教育、安全管理、安全檢查及監管等工作均已建立標準化程序，通過嚴謹的考核制度進行定期評估審核，並建立獎懲制度形成正向激勵。

The Group understands the importance of strict compliance with the safety production protocols, systems, standards and ensuring standardized operation for the safety of power generation. Therefore, the Group has established the Anti-Violation Management System (《反違章管理制度》) to impose serious penalty on all forms of unsafe acts that violate the Group's established safety and technical regulations in terms of operations, facilities and equipment configuration and production management, and identify the personnel held responsibility and require them to rectify within the allowed time frame to prevent and reduce safety accidents, ensuring the personal safety of staff and the safe and stable operation of solar farms.

本集團深諳嚴格按照安全生產規程、制度、標準以及確保規範的作業操作對於電力生產安全的重要性。因此，本集團訂立了《反違章管理制度》，針對在作業操作、設施設備配置、生產管理等方面違反本集團既定的各項安全和技術規章制度的一切形式的不安全行為嚴明處罰，採取責任到人、限時整改，以預防和減少安全事故，保障員工人身安全及太陽能電站安全穩定地運行。



b. Emergency response

According to the requirements of the Measures for the Administration of Contingency Plans for Work Safety Accidents (Order No. 88 of the State Administration of Work Safety) (《生產安全事故應急預案管理辦法》(國家安監總局令第88號)) and the Measures for the Administration of Contingency Plans for Electric Power Enterprises (Guo Neng An Quan [2014] No. 508) (《電力企業應急預案管理辦法》(國能安全[2014]508號)), the Group has established the Emergency Management System (《應急管理制度》) to regulate the emergency management of various emergencies and ensure that the Group adopt effective measures to prevent and respond to incidents and emergencies, minimizing the impact thereof on the staff and operations of the Group.

The Group adopts the emergency management system in the principles of post and grade division and dynamic management. The Operation and Maintenance Department is responsible for coordinating the implementation of various emergency plans established within the Group, including contingency plans for the Group's overall operation, specific contingency plans for individual events/important power facilities/major activities, and on-site execution plans for specific emergencies.

Safety accidents that are more likely to occur in daily operation and maintenance of solar farms include electric shock, fire, drowning, falling from heights, and heatstroke. During the Reporting Period, the Group carried out 6 emergency drills for all solar farms against falling from heights, drowning, fire, heatstroke, power outage across the solar farms, and network security. In response to the most common accident in the power industry, the electric shock accident, the Group organized a total of 28 electric shock prevention training sessions at the headquarters and all its solar farms.

Since the power plants held by the Group are all utility-scale solar farms, it is inevitable that they will be affected by natural disasters such as strong winds, rain and snow, floods, lightning and landslides during the operation cycle. Regarding different types of solar farms and the types of natural disasters that they may be affected by, we have taken effective measures to strengthen the solar farms' ability in coping with natural disasters, such as installing additional windshields to block strong winds, erecting lightning rods or laying grounding devices to prevent lightning strikes, increasing flood drainage

b. 突發事件應對

根據《生產安全事故應急預案管理辦法》(國家安監總局令第88號)和《電力企業應急預案管理辦法》(國能安全[2014]508號)規定，本集團訂立《應急管理制度》以規範各類突發事件的應急管理工作，確保本集團可以採取有效措施預防及應對突發事件和緊急情況，將突發事件對本集團員工及經營的影響降至最低。

本集團應急管理制度實行分崗、分級、動態管理的原則，由運維部負責統籌執行集團內既定的各類應急預案，包括針對綜合性工作的綜合應急預案、針對單一事件／重要電力設施／重大活動的專項應急預案，以及針對具體突發事件的現場處置方案。

太陽能電站日常運維中發生的可能性較高的安全事故，包括觸電、火災、淹溺、高處墜落、高溫中暑等。報告期內，本集團面向所有電站開展了高處墜落、淹溺、火災、高溫中暑、全站停電事故和網絡安全等6次應急演練。針對電力行業中最常見的事故——觸電事故，本集團於集團總部及所持有的全部電站內合共組織28次觸電事故預防培訓。

由於本集團所持有的電站均為大型集中式太陽能電站，在運營週期內難以避免會受到大風、雨雪、洪水、雷電、山體滑坡等自然災害的影響。針對不同電站類型及主要產生影響的自然災害類型，我們已對應採取有效措施，加強電站應對自然災害的能力，如增設擋風牆阻擋大風，架設避雷針或鋪設接地裝置預防雷擊，增加漂浮電站的排洪設施，加固防洪堤壩等。就各類常見自然災害，本集團已制定相應的應急

facilities at floating solar farms and reinforcing flood control dikes. For various types of common natural disasters, the Group has formulated corresponding contingency plans, regularly organized emergency drills and training to strengthen staff's safety awareness and improve their emergency response capabilities.

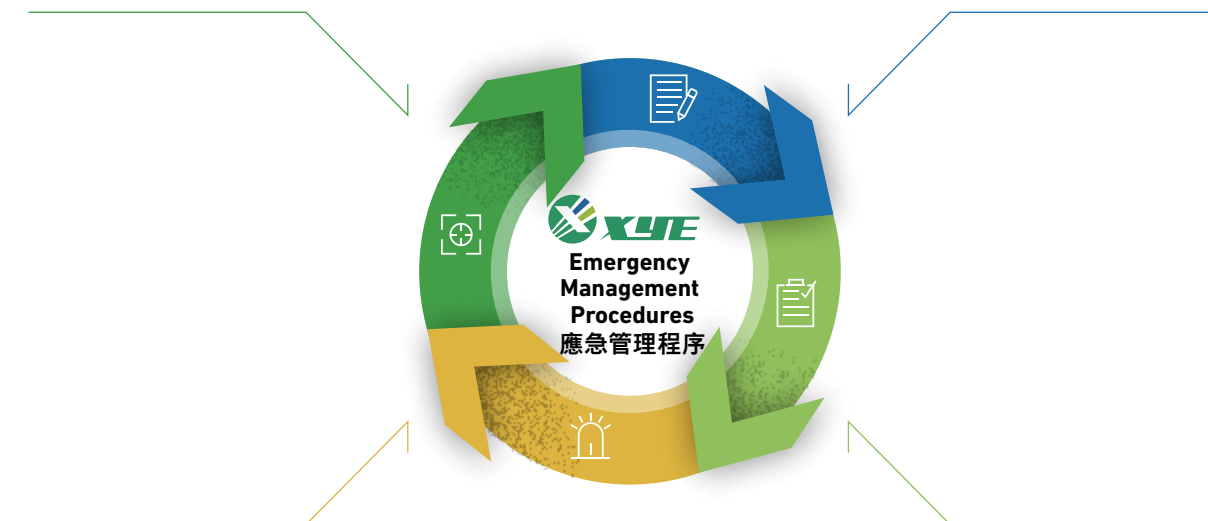
Risk identification 風險識別

- Subject to the actual operation, conduct hazard analysis by using historical data and information, and identify major risks in daily operation, including: 根據實際經營情況，結合歷史數據資料進行危險性分析，識別日常運維主要存在的風險，包括：



Preparation for the plan 預案編制

- Formulate contingency plans for identified risks according to the laws and regulations and actual need with clear work allocation, persons-in-charge, including particular procedures and security measures 針對已識別的風險，根據法律法規及實際需要編制應急管理預案，預案必須明確分工、責任人、包含具體程序及保障措施
- Carry out assessment on the plans according to the Assessment and Filing of Contingency Plans for Electric Power Enterprises (Guo Neng Zong An Quan [2014] No. 953) (《電力企業應急預案評審與備案細則》(國能綜安全[2014]953號)). Report and file to the National Energy Administration and the local work safety regulatory authorities upon the publication of the emergency plan within the allowed time frame 根據《電力企業應急預案評審與備案細則》(國能綜安全[2014]953號)，對預案進行評審。應急預案公示後於規定時間內上報國家能源局及當地安全生產監管機構備案



Review and enhancement 檢視及改善

- According to requirements of the Guidance on Emergency Response Drilling for Electric Power Enterprises (Dian Jian An Quan [2009] No.22) (《電力突發事件應急演練導則》(電監安全[2009] 22號)), the Group formulated plans for emergency response drilling and arranged integrated emergency response drilling or special emergency response drilling, the frequency of which will be subject to the characteristics of the risks and the solar farms' actual operation. 根據《電力突發事件應急演練導則》(電監安全[2009] 22號)的要求，制定本集團的應急預案演練計劃，安排綜合應急預案演練或專項應急預案演練，頻次以預案對應風險的特點及實際運營情況而確定
- Evaluation will be made on the effectiveness of the emergency response drilling in terms of the relevance and the practicality of the plan. Regular review and amendments will be made if needed 需就應急預案演練的效果進行評估，針對預案內容的針對性和實用性進行評估，定期檢討並按實際需求對應作出修訂

Implementation and management of the plan 預案執行及管理

- Upon confirmation of the contingency plan, the Operation and Maintenance Department will coordinate the commencement of contingency plan promotion and education in the solar farms, including the arrangement of trainings and assessments on relevant emergency obligations, emergency knowledge, emergency response skills, to ensure the staff are possessed with emergency response and skills needed. 應急預案確定後，運維部統籌各電站開展應急預案的宣傳教育，包括安排有關應急職責、應急知識、應急處理技能等的培訓及考核，確保員工具備相應崗位需要的突發事件應對及處理能力
- Implement emergency management system, rescue team, emergency materials, establishment/supply of equipment/facilities according to the requirements of the contingency plan 按照應急預案的規定，落實應急指揮體系、救援隊伍、應急物資、裝備的建設／配備

Occupational health management

The Group adheres to the idea of "safety first", stresses the occupational safety of our employees, and is committed to providing the staff with a safer working environment. In accordance with the requirements of the 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》) and the Provisions on the Supervision and Administration of Occupational Health at Work Sites (Order No. 47 of the State Administration of Work Safety) (《工作場所職業衛生監督管理規定》(國家安全監管總局令第47號)), the Group has formulated the Occupational Health Management System (《職業健康管理制度》), to ensure the participation of all staff through hierarchical management, specific responsibilities for every post and a supervision mechanism, striving to prevent and eliminate the impact of occupational diseases on staff's health.

職業健康管理

本集團堅守「安全至上」的理念，關注及重視員工的職業安全，並致力為員工提供一個更安全的工作環境。根據《中華人民共和國職業病防治法》、《工作場所職業衛生監督管理規定》(《國家安全監管總局令第47號》)的相關規定，本集團制定了《職業健康管理制度》，並通過分級管理、責任到崗的執行及監管機制確保全員參與，努力預防及消除職業病對員工健康的影響。

Occupational health management system 職業健康管理體系



Long-lasting Customer Relationship

Under the power system in China, State Grid Corporation of China ("State Grid") carries out business operations in 26 provinces (autonomous regions and municipalities) in the PRC, covering more than 88% of the land area of China. During the Reporting Period, the solar farms held by the Group were all located within the operating area of State Grid. With all its customers subsidiaries of State Grid, the Group's customer base is relatively straight-forward. Due to the characteristics of the power system in China, power generation companies in a region only sell electricity to a single grid company, and maintain the mutual relationship mainly through power purchase contracts, with no competition with other power generation projects.

As a fundamental industry connected to people's livelihood, power grid companies must maintain stable and safe power supply to their end users, as well as the safety of the national/local power system. Therefore, the reliability and stability of power supply and the safety management of power generation are the issues that concern our customers the most. The Group regulates and manages its solar farms in strict accordance with relevant laws and regulations, industry standards and the protocols of the power system to which they belong. The Group consistently implements the established safety management system and strengthens internal supervision and takes advantage of intelligent operation and maintenance means to ensure the safety of power supply, while effectively improving efficiency, reliability and stability, and fully cooperating with local power grid enterprises in power dispatch to steadily deliver power to the power grid at the same time, with an aim to become a stable, reliable and trustworthy partner for customers.

The Group also has designated staff and an effective communication mechanism for maintaining long-term communication with customers and keep abreast of customers' needs and feedback. During the Reporting Period and throughout the operating history, the Group maintained good cooperative relationship with customers and was unanimously recognized by customers.

長久的客戶關係

在中國電力體制下，國家電網有限公司(「國家電網」)經營區域覆蓋全中國26個省(自治區、直轄市)，覆蓋國土面積超過88%。報告期內，本集團所持有的太陽能電站均位於國家電網經營區域，因此客戶均為國家電網下屬子公司，結構相對單一。中國電力系統架構特性使然，於一個區域內的發電企業僅向單一電網公司進行售電，主要通過購電合同維持雙方的合作關係，與其他發電項目亦不存在競爭關係。

作為關係到民生的基礎行業，電網企業必須維持終端用戶電力供應的穩定性和安全性，以及國家／地方電力系統的安全。因此，電力供應的可靠性、穩定性及電力生產的安全管理是本集團客戶最關切的問題。本集團嚴格按照相關法律法規、行業標準及所屬電力系統的規程，規範管理太陽能電站，通過貫徹執行集團內既定的安全管理制度及加強內部監管，並藉助智能化運維手段，保障電力供應的安全；同時有效提升效率、可靠性及穩定性，可充分配合當地電網企業的調度，穩定向電網輸送電力，致力成為客戶穩定、可靠、可信賴的合作夥伴。

本集團亦設有專職人員及建立有效的溝通機制，與客戶保持長期溝通，及時瞭解客戶的需求及反饋。本集團於報告期內及歷史經營期間，與客戶維持良好的合作關係，得到客戶的一致認可。

Opportunities and Challenges Arising from Climate Change

Climate change is the defining issue of our time and now is the defining moment to do something about it. There is still time to tackle climate change, but it will require an unprecedented effort from all sectors of society. 2020 is a key year for climate action. If we are going to limit global heating to 1.5 degrees Celsius, we need to demonstrate, starting this year. I count on all nations and stakeholders to lead the way out of our current predicament by promoting clean, green growth, a just transition, and prosperity and stability for all.

— António Guterres, UN Secretary-General

Nevertheless, the World Economic Forum predicted in The Global Risks Report 2020 that the most likely risk among global risks in the next decade is “extreme weather”, and the most influential risk is “climate issues response failure”.

Climate change has become a factor that companies must pay attention and fully considers when formulating long-term development plans. The UN has called for urgent action to combat climate change, among which the use of renewable energy sources to reduce emissions is a crucial part. As a power generation company with full utilization of solar energy, the UN's “Climate Action” has profound significance on the corporate development of the Group, which brings us both opportunity and responsibility. The global transition to a low-carbon economy will definitely create enormous market for PV power generation, and it has become the future direction of the Group to improve the efficiency in operation and maintenance through professional management and improve the power generation efficiency of individual solar farm, and achieve a steady increase in the total electricity sales through scale growth centered on quality, so as to enhance the Group's supply of green energy to the society.

氣候變化的機遇與挑戰

氣候變化是我們時代的決定性問題，而現在我們正處於一個採取行動的決定性時刻。雖然我們仍有時間應對氣候變化，但這需要社會各界的空前努力。2020年是我們應對氣候變化的關鍵一年。如果我們要將全球變暖限制在1.5攝氏度以內，就需要從今年開始展現。呼籲所有國家和利益攸關方通過促進清潔、綠色增長、公正過渡以及所有人的繁榮和穩定，引領世界走出目前的氣候困境。

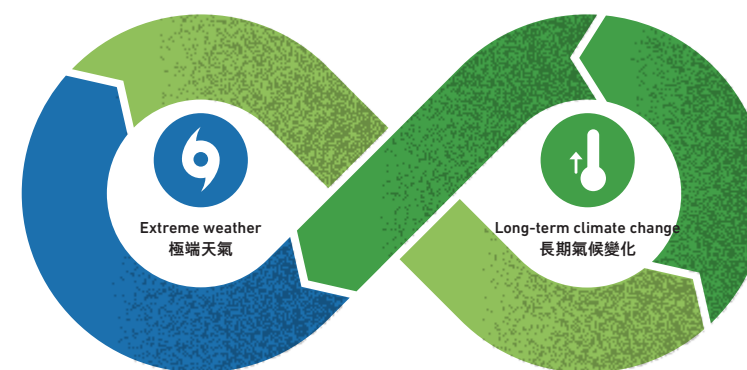
— 聯合國秘書長安東尼奧·古特雷斯 (António Guterres)

無獨有偶，世界經濟論壇(World Economic Forum)在《2020全球風險報告》(The Global Risks Report 2020)中預測，未來十年全球性風險中最有可能發生的風險是「極端天氣」，而影響力最大的風險是「氣候問題應對失效」。

氣候變化成為企業制定長期發展規劃必須重視及充分考慮的因素。聯合國呼籲採取緊急行動應對氣候變化，其中轉用可再生能源以減少排放為極為關鍵的一環。作為純太陽能發電企業，聯合國的「氣候行動」對本集團的業務發展具有深刻的意義，是機遇亦是責任。全球向低碳經濟的轉型必定會為光伏帶來巨大的市場空間，透過專業化管理提高運維效率繼而提高單個電站的發電效益，同時通過重質量的規模增長實現總售電規模的穩步提升，為社會提供更多的綠色能源，成為本集團未來發展的方向。

With regard to the significant impact on the Group's operation and its development goals imposed by climate-change related risks, the Group has adopted the suggestions of the Task Force on Climate-related Financial Disclosures (the “TCFD”), identified the major potential and existing risks that are closely related to the Group's operation, and disclosed the relevant responding actions, so as to achieve the Group's sustainable targets through better management of risks and opportunities.

鑒於氣候變化相關的風險對本集團業務的經營及未來發展目標的實現具有重大影響，為更好地管理相關的風險與機遇以實現永續發展的目標，本集團參考氣候相關財務資訊披露工作小組(Task Force on Climate-related Finance Disclosures, 「TCFD」)的建議，識別已經或可能發生、與本集團業務存在較高相關性的主要氣候風險，並就相關應對行動作出披露。



Relationship between extreme weather risk and our business

極端天氣風險與業務的關聯

- Extreme weather such as typhoons and floods may cause damage to modules, which may in turn affects power generation efficiency and even lead to safety incidents
極端天氣，如颱風、洪澇災害等可能會導致組件損毀，繼而影響發電效率，甚至引發安全事故
- Abnormal rainy weather affects power generation, which in turn affects electricity sales and revenue
異常的陰雨天氣對發電量造成影響，繼而影響售電量及收益
- Global warming leads to frequent extreme climate change, and various sectors need to pay more attention and attach greater importance to energy transformation to promote the demand for renewable energy
全球變暖令極端氣候頻發，各界需更加關注和重視能源轉型，促進可再生能源的需求

Responding actions

應對行動

- Perform 24-hour real-time monitoring through centralized operation management platform to effectively identify abnormalities and address so in a timely manner
通過集中運營管理平台進行24小時實時監控，有效識別異常情況並作出及時處理
- The operating data on the frequency and duration of extreme weather patterns and the changing trends in recent years are collected for formulation of contingency and prevention plans to reduce the impact of extreme weather
通過長時間的運營數據積累，掌握極端天氣現象的發生頻率、高發期及近年的變化趨勢，以制定應變及防範計劃，降低極端天氣的影響
- Improve operational efficiency through intelligent operation and maintenance, and thereby reducing the impact of extreme weather on power generation
通過智能運維提高運營效率，繼而減少極端天氣對發電量的影響
- In the peak season of extreme weather, targeted safety inspections on wind, fire and flood prevention are performed in extreme weather high season, with targeted organization of wind, fire, flood prevention as key points of safety inspection

Actions to address climate change opportunities

應對氣候變化機遇的行動

The Group increases the total approved capacity through acquisition of high-quality solar farm projects, with an expected annual increase of 10-20%, and meet the growing demand for electricity consumption in the society by supplying more green electricity
通過收購優質電站項目增加總核准容量，年增幅預期為10至20%，通過供給更多的綠色電力以滿足社會的用電增長需求

Relationship between long-term climate change and our business

長期氣候變化與業務的關聯

- The increasing greenhouse effect has led to a significant increase in the number of days with high temperature weather and the maximum temperature. As all of the Group's power plants are utility-scale solar farms, outdoor operations under high temperature can easily cause heatstroke
溫室效應加劇引致高溫天氣的持續天數及最高氣溫明顯提升，由於本集團所有電站均為大型電站，高溫天氣下戶外作業容易導致中暑
- Fire is triggered easily in high temperature
高溫天氣容易引發火災
- High temperature leads to a significant increase in electricity demand
高溫天氣導致電力消費需求大幅增長

Responding actions

應對行動

- Targeted safety inspections are carried out in summer to ensure the implementation of summer cooling measures and fire prevention measures
夏季開展針對性的安全檢查，確保防暑降溫措施、防火措施的落實執行
- Work in accordance with the requirements on high temperature work specifics, including adjusting work arrangements, controlling outdoor working hours, ensuring sufficient rest time, allocating heatstroke prevention equipment and supplements
根據高溫作業規範要求，包括調整作業安排、控制戶外作業時間、確保充足休息時間、配置防暑降溫物品和保健品

The Group has not been aware of any significant risks in the possible changes in policies, technologies, markets and reputation due to climate change based on its assessment. On the contrary, they are expected to bring considerable opportunities for the business development of the Group. The use of renewable energy is an important and effective way to deal with climate change, therefore, policies likely to lean towards renewable energy, promote the application of renewable energy and guarantee the consumption of renewable energy. In terms of technologies, decentralized and loose traditional operation and maintenance is expected to be centralized into efficient intelligent platforms. In anticipation of the opportunities at an early stage, the Group has successfully developed and continuously improved the centralized operation management platform. The technology transformation is expected to promote the demand for the intelligent operation and management services of the Group. In terms of markets, with the widespread recognition of the importance and urgency of using renewable energy, more users are expected to actively choose renewable energy, and the trading market and customer base of renewable energy power generation companies will be further expanded by then. In terms of reputation, climate change has made all stakeholders increasingly concerned about the environmental performance of the companies. As a power generation company with full utilization of renewable energy, the Group's business is carbon negative, which, together with the highly flexible business model, the strong adaptability to climate change and the importance attached by all stakeholders to environmental protection performance, will enable the Group's business and brand value to be more widely recognized and enhanced.

就政策、技術、市場、聲譽方面因氣候變化可能產生的轉變，本集團經過分析評估後，並未發現在相關方面存在重大風險。相反，預期可為集團業務發展帶來可觀機遇。可再生能源為應對氣候變化十分重要且有效的途徑，因此，政策預期將繼續向可再生能源傾斜，推動可再生能源的應用及保障對可再生能源的消納。技術方面，預期由分散、粗放的傳統運維向集中、高效的智能運維轉型。本集團早著先機，目前已成功開發集中運營管理平台並持續完善，技術轉型預期可推動對本集團智能運維服務的需求。市場方面，隨著使用可再生能源的重要性和紧迫性得到廣泛的認可，預期將有更多用戶主動選擇可再生能源，屆時可再生能源發電企業的交易市場及客戶群將進一步擴大。聲譽方面，氣候變化令各方持份者更加關注企業的環保績效。本集團作為100%可再生能源發電企業，業務經營長期負碳排放，加上業務模式彈性高、對氣候變化的適應力強，各方持份者對環保績效的重視將令本集團的業務及品牌價值得到更廣泛的認可和提升。

Talent Management Philosophy of "CARE"

The safe, efficient and reliable power supply is crucial to the well-being of the local community, and the safe and stable operation of the Group's business is inseparable from the knowledge and dedication of our outstanding workforce. Therefore, the Group highly values the construction of the workforce, and is determined to become an employer who fully protects staff's legal rights, provides equal opportunities and a broad development platform, fully stimulates staff's potential to help them achieve their career goals, and is trustworthy and reliable to its staff.

Staff is our strong support, the most valuable asset for the long-term development of the Company as well. They are the important members of Xinyi Energy's family. Therefore, the Group introduces the talent management philosophy of "CARE", which refers to "Compliance with Laws & Rules", "Attractive Remuneration & Talent Retention", "Respect & Equality" and "Education & Grow with Xinyi Energy".

「CARE」人才管理理念

電力安全、高效可靠的供應關乎當地社區的福祉，而本集團的業務得以安全、穩定地運營離不開優秀的員工團隊的專業履責及全心投入，因此，本集團高度重視員工隊伍建設，並銳意成為全面保障員工合法權益、提供平等機遇及廣闊發展平台、充分激發員工個人潛能助其實現職業目標、值得員工信賴和令員工安心的僱主。

員工是我們強大的後盾，亦是企業長遠發展最寶貴的財富，更是信義能源大家庭的重要成員，因此本集團提出「CARE」人才管理理念：合法合規、人才吸引與保留、尊重與平等、培訓與共同成長。

Compliance with Laws & Rules

合法合規

- Under strict compliance with local laws and regulations, as well as the established internal system of the Group in recruitment and human resources management, the Group ensures the establishment of an equal and legal employment relationship, resolutely eliminates the employment of child labor and any form of forced labor, and accepts the supervision and assessment of local human resources and social security regulatory authorities
- 在招聘及人事管理中嚴格遵守當地法律法規，以及本集團既定的內部制度，確保建立平等規範的僱傭關係，堅決杜絕僱用童工和任何形式的強迫勞動，並接受當地人力資源、社會保障監管部門的監管及考核



Attractive Remuneration & Talent Retention

人才吸引與保留

- Provide competitive remuneration and benefits
- 提供具有競爭力的薪酬與福利
- Focus on labor safety and provide adequate labor protection and medical insurance
- 注重勞工安全，提供充分的勞工防護和醫療保障
- Provide diversified staff activities to achieve work-life balance
- 豐富的員工活動，平衡工作與生活

Respect & Equality

尊重與平等

- Respect individual differences, appreciate diversity, foster an inclusive culture, and ensure that our internal staff is treated equally in terms of remuneration and benefits, in the process of assessment and promotion through a fair, just and transparent internal system
- 尊重個體差異，欣賞多元化，培育包容文化，並透過公平合理、公正透明的內部制度保障員工在薪酬福利、考核晉升過程中獲得平等對待
- Establish a transparent internal communication and feedback mechanism to protect and encourage employees to voice for their interests
- 建立透明的內部溝通及反饋機制，保障及鼓勵員工為自己的權益發聲
- Strive to eliminate all forms of gender discrimination, protect the rights of female employees and provide special care for them in special time
- 致力消除一切形式的性別歧視，保障女性職工的權利，及在特別時期為其提供特殊關懷



Education & Grow with Xinyi Energy

培訓與共同成長

- Standardize training and assessment mechanism to ensure employees receive comprehensive job skills training
- 規範培訓及考核機制，確保員工獲得全面的工作技能培訓
- Concern about employees' personal growth by providing diversified comprehensive skills training
- 關注員工個人能力提升，為員工提供多樣化的綜合技能培訓

Employee Performance in 2019

2019 年僱傭表現

		Number of employees ¹ (As at 31 December 2019) 員工人數 ¹ (於2019年12月31日)	Percentage 佔比	Turnovers (During the Reporting Period) 流失人數 (於報告期內)	Turnover rate 流失比率
Total	總計	232	100.0%	39	16.8%
By gender	按性別分佈				
Male	男	216	93.1%	37	17.1%
Female	女	16	6.9%	2	12.5%
By region	按地區分佈				
Mainland China	中國內地	229	98.7%	39	17.0%
– Anhui Province	– 安徽省	160	69.0%	30	18.8%
– Hubei Province	– 湖北省	37	15.9%	7	18.9%
– Henan Province	– 河南省	12	5.2%	0	0.0%
– Fujian Province	– 福建省	10	4.3%	0	0.0%
– Tianjin Municipality	– 天津市	10	4.3%	2	20.0%
Hong Kong, China	中國香港	3	1.3%	0	0.0%
By age	按年齡分佈				
≤30	≤30	146	62.9%	30	20.5%
31-40	31-40	48	20.7%	6	12.5%
41-50	41-50	31	13.4%	2	6.5%
≥51	≥51	7	3.0%	1	14.3%
By employee category	按崗位分佈				
Senior management	高級管理層	5	2.2%	0	0.0%
Middle management	中級管理層	8	3.4%	0	0.0%
General staff	普通員工	219	94.4%	39	17.8%

Note: (1) Only full-time employees are counted

備註：(1) 僅統計全職員工

Labor Compliance

The Group strictly abides by the Labor Law of the People's Republic of China (《中華人民共和國勞動法》), the Labor Contract Law of the People's Republic of China (《中華人民共和國勞動合同法》), the Employment Ordinance of Hong Kong, the Provisions on the Prohibition of Using Child Labor (State Council Order No. 364) (《中華人民共和國禁止使用童工規定》(國務院令第364號)), the Labor Protection Regulations of the People's Republic of China for Female Employees (State Council Order No. 9) (《中華人民共和國女職工勞動保護規定》(國務院令第9號)), the 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》) and other labor-related laws and regulations, and has established its own talent management system in accordance with relevant laws to ensure standardized management for the entire process from recruitment, admission, to the end of employment relationship through the formulation, implementation and improvement of internal management systems. Meanwhile, the Group has developed an effective execution and supervision mechanism in respect of compensation and benefits, training and assessment, staff incentives and occupational safety and health, respects and protects staff's labor rights, and safeguards staff's health, safety and individual legal rights. As at 31 December 2019, the Group had 232 full-time employees.

The Group confirms the employment relationship by signing Labor Contracts with employees, sets out the terms of salary, benefits, training mechanism and labor safety, to ensure that employees' rights are protected by law, while imposing reasonable restrictions through non-competition, confidentiality and termination to protect the Group's own rights and interests.

勞工合規

本集團嚴格遵守《中華人民共和國勞動法》、《中華人民共和國勞動合同法》、《僱傭條例》(香港)、《中華人民共和國禁止使用童工規定》(國務院令第364號)、《中華人民共和國女職工勞動保護規定》(國務院令第9號)、《中華人民共和國職業病防治法》等勞工相關的法律法規，並已根據相關法律建立了集團的人才管理體系，通過制定、執行及完善內部管理制度，確保從招聘、入職至僱傭關係結束全過程的規範管理。同時，本集團在薪酬福利、培訓考核、員工激勵、職業安全與健康等各方面形成有效執行和監管機制，尊重及保護員工的勞動權利、保障員工的健康、安全及個人合法權益。於2019年12月31日，本集團擁有232名全職員工。

本集團藉與員工簽訂《勞工合同》確認僱傭關係，在合同中明確薪酬福利、培訓機制、勞動安全等與員工切身相關的條款，確保員工的權益受到法律保障，同時通過不競爭協定、保密及終止合同條款等進行合理約束，以保障企業自身權益。



The power industry is a non-labor-intensive industry, and the Group has achieved a flat management structure through intelligent operation and maintenance technology, so its talent team is streamlined and highly efficient, with technical personnel such as electrical engineers and electrical technicians as the backbone. Due to its nature, expertise and skills of the staff are more important than labor cost for the Group. Therefore, the Group had never employed any child labor during its past operation. In addition to the attention on child labor, the Group resolutely adopts a zero-tolerance policy towards forced labor and all signs of discrimination and inequality in employment. On the basis of strengthening internal supervision and eliminating related issues at source, the Group accepts the long-term supervision of local human resource management and social security authorities to ensure the labor compliance of the Group. During the Reporting Period, the Group did not experience any incident of forced labor.

Attractive Remuneration and Talent Retention

It has been our constant pursuit to bring happiness and welfare to our staff alongside dedication and efficiency. Therefore, the Group attracts and retains talents with competitive remuneration, diversified benefits and an equal and inclusive corporate culture, which enable our team to feel incentivized and comfortable. During the Reporting Period, 39 employees left the Group, representing an employee turnover rate of 16.8%.

電力行業非勞動密集型產業，加上本集團通過智能運維技術實行扁平化管理，人才隊伍精簡高效，以電氣工程師及電工技師等技術人才為骨幹。企業性質使然，對本集團而言，對比勞工成本，員工的專業知識及技能更為重要，因此本集團於過往經營期間從未出現僱傭童工的情況。除關注童工問題外，本集團對強迫勞動以及僱傭中出現的一切歧視和不平等現象堅決採取零容忍的態度，在加強內部監管從源頭杜絕相關問題的基礎上，接受當地人力資源管理及社會保障監管部門的長期監管，確保本集團的用工規範。報告期間，本集團未出現強制勞動的情況。

人才吸引與保留

團隊的專業高效對企業發展固然十分重要，但為員工帶來滿滿的幸福感和謀福祉亦是我們不變的追求。因此，本集團通過具有競爭力的薪酬、多元化的福利待遇、平等包容的企業文化吸引和保留人才，令我們的團隊獲得鼓舞及倍感安心。報告期內，本集團流失員工39名，員工流失率為16.8%。



Remuneration package system

The Group's remuneration system is established based on the concept of overall remuneration returns, including basic salary, performance salary, guaranteed benefits and other cash allowances. In determining the remuneration package, in addition to ensuring the compliance with the legal requirements of the countries and regions where the business is located in, the Group also keeps abreast the remuneration level in the industry to maintain its competitiveness among its counterparts. At the same time, the Group provides comprehensive benefits for employees, including but not limited to social security benefits such as applicable China's labour protection benefits, housing allowance, holiday, medical benefits, incentives and various cash allowances such as high-temperature subsidies, transportation subsidies, food allowances, etc. Meanwhile, employees with excellent performance or long-term service are rewarded according to the established incentive system.

"People-oriented" is the foothold of the Group in formulating staff policies. Therefore, the Group respects and protects every employee, gives them equal opportunities, and will not tolerate any staff being suffered from any discrimination or unequal treatment based on gender, physical/intelligent level, race, age, nationality, belief and family situation in all areas of daily work and employment.

薪酬福利制度

本集團的薪酬體系基於整體薪酬回報的概念建立，包括基本工資、績效工資、保障性待遇以及其他現金津貼。在釐定薪酬待遇時除確保滿足業務所在國家和地區的法律規定要求外，亦關注行業薪酬水平，確保具備行內競爭力，同時亦為員工提供綜合福利，包括但不限於社會保障性福利如五險一金、住房福利、節假日福利、醫療福利、股權激勵、各類現金津貼如高溫補貼、交通補貼、伙食補貼等，同時對表現優秀或長期服務的員工按照既定的激勵制度予以獎勵。

「以人為本」是本集團制定員工政策的立足點。因此，本集團尊重及保護每一位員工，給予他們平等的機會，絕不容忍員工在日常工作及僱傭的各個範疇受到任何基於性別、體能／智能、種族、年齡、國籍、信仰、家庭情況等理由產生的歧視或不平等對待。



Due to the nature of the industry that the Group is engaged in, the majority of frontline workers of the Group is male. In addition, due to the flat management structure of the Group, nearly 82% of the staff are frontline workers, resulting in a low proportion of female staff in the total number of staff. However, among the Board and staff working at the headquarters of the Group, female staff account for a proportion of 25% and 52%, respectively. Although the female staff is a minority group in terms of number, the Group pays extra attention to internal systems and regulatory procedures to ensure that female staff enjoys equal rights and fair treatment in all areas of daily work and employment. We also fully understand and respect the particularity of female staff, and strictly abide by the Labor Protection Regulations of the People's Republic of China for Female Employees (State Council Order No. 9) 《中華人民共和國女職工勞動保護規定》(國務院令第9號)) and the Law of the People's Republic of China on the Protection of Women's Rights and Interests 《中華人民共和國婦女權益保障法》, to provide special protection and ensure related welfare benefits during marriage leave, pregnancy, childbirth, etc.

The remuneration package system of the Group is considerably competitive in the region where its business is located in, generates a positive impact on the Group's ability to attract and retain talents, and is well recognized by the staff in service.

本集團作為電力行業一份子，由於其行業屬性使然，一線作業人員主要以男性為主。此外，因本集團實行扁平化管理，員工中有接近82%屬於一線作業人員，引致女性員工佔員工總數比例較低。但在本集團董事會及總部員工中，女性佔比分別達至25%及52%。儘管從人數上女性員工屬於少數群體，但本集團從內部制度、監管程序等方面著手，確保女性員工在日常工作及僱傭的各個範疇得到平等權利及公平對待。我們亦充分理解和尊重女性員工的特殊性，嚴格按照《中華人民共和國女職工勞動保護規定》(國務院令第9號)、《中華人民共和國婦女權益保障法》的規定，對女性員工在婚、孕、育等特殊時期給予特殊的保護及保障其相關的福利待遇。

本集團的薪酬福利制度於業務所在地區具有相當的市場競爭力，因此對本集團吸引及保留人才產生積極影響，亦受到在職員工的充分認可。



Care for staff

The occupational health and safety is crucial to the well-being of the employees and their families, and significant to the long-term development of the Group. Therefore, the Group abides by the laws and regulations of the countries and regions where its business locates in, and strictly implements the work related to safety production and the protection of staff's health. The safety production management and the protection of the staff's safety in the workplace have been disclosed in the section headed "Safety management" in the Report. This section mainly focuses on how the Group takes effective measures to protect staff's physical and mental health in addition to the protection and labor safety.

In addition to arranging pre-employment medical check and occupational health examinations in compliance with the law, the Group provides staff with health examination every year to keep them informed of their physical conditions regularly. The Group agrees that a safe and suitable working environment has a positive effect on the physical and mental health and work efficiency of the staff. Therefore, the Group optimizes and improves the working environment of the staff on a on-going basis so that they can work at ease and with pleasure and high efficiency.

員工關懷

員工的職業健康與安全，關係到其個人、家庭的幸福，亦對本集團的長期發展產生重要影響。因此，本集團遵守業務所在地國家及地區法律法規的要求，嚴格落實安全生產及員工健康保障相關工作。有關安全生產管理及工作場所中員工的安全保護已於本報告「安全管理」章節進行披露。本章節主要關注除勞動安全保護外，本集團如何採取有效措施用心守護員工的身心健康。

除依照法律規定安排入職體檢、職業健康體檢外，本集團每年為員工提供健康體檢，以令員工及時地了解自己的身體狀況。本集團認同，安全和合適的工作環境對員工的身心健康以及工作效率均有正向作用，因此本集團不斷優化和完善員工的工作環境，令員工可安心、愉悅、高效率地工作。



Besides work, the Group encourages its staff to maintain work-life balance so as to strike a proper balance between work and rest. In addition to ensuring adequate rest for staff through reasonable working hours and holiday arrangements, the Group also actively organizes various activities to enrich staff's leisure time, providing them with a platform to relax and relieve work pressure. Meanwhile, these activities can help to strengthen the communication between staff and departments, so as to build a more harmonious, close and tacit workforce. Since the Group's solar farm projects are located in different provinces and cities across the country that are generally remote areas, the Group has set up a new energy branch union to regularly organize activities among local staff.

在工作以外，本集團亦鼓勵員工保持工作與生活的平衡，從而達至勞逸結合。除通過合理的工時及假期安排保障員工可獲得充分休息外，亦積極舉辦各類不同的活動豐富員工的工餘生活，為員工提供放鬆心情、舒緩工作壓力的平台；同時亦可藉助活動加強員工、部門間的溝通交流，從而建立更融洽、緊密和有默契的團隊。由於本集團的太陽能電站項目遍佈全國多個省市，加上一般為遠離市區的偏遠地區，因此，本集團特別設立了新能源分會，定期組織當地員工的交流活動。



Xinyi Energy Staff Activities 2019
二零一九年
信義能源員工活動

Local culture tour/visits to local enterprises
電站當地旅遊文化項目／當地企業參觀

Marathon race
馬拉松比賽
Fishing competition
釣魚比賽
Writing competition
徵文比賽

In addition, by establishing trade union, the Group provides staff with more opportunities to voice their opinions that help to continuously optimize the production management of the Group and improve the performance of operations and teams, and creates an effective channel to collect feedback from the staff, which enables the management to better understand the needs of our staff and provide respective support and assistance.

Education and Grow with Xinyi Energy Training program

The production safety of the power industry and the judgement and prevention of potential risks are inseparable from the standardized operation and expertise of frontline workers. Therefore, the Group has always stressed staff training, and has established a systematic training program to provide staff with theoretical and/or practical training courses on vocational skills, knowledge and ability for safety production and occupational health, comprehensive skills (such as career planning, communication skills, leadership, etc.) and integrity and anti-corruption, as well as inter-departmental exchange and learning activities, to with an aim to enhance the vocational skills and comprehensive skills of the staff.

Total duration of vocational skills training amounted to 8,671 hours

職業技能類培訓總時長8,671小時

We provide pre-employment and on-the-job vocational skills training for employees in different positions such as operation and maintenance, finance and monitoring centers. 針對運維、財務、監控中心等不同崗位的員工針對性提供崗前及在崗職業技能培訓

Total duration of safety training amounted to 2,596 hours

安全培訓總時長2,596小時

We strictly conduct the "three-levels" safety training to ensure all employees have participated in safety trainings, while employees without safety training are prohibited from work. 嚴格執行「三級」安全培訓，確保全部員工參與安全培訓，嚴禁未經安全培訓的員工上崗操作



此外，本集團通過設立工會，一方面可以為員工提供更多的建言機會，有助持續優化集團的生產管理，提高經營及團隊績效；另一方面，為員工提供有效的反饋途徑，可令管理層更為了解員工的需求，有針對性地給予支持和幫助。

培訓與共同成長

培訓機制

電力行業的生產安全及對潛在風險的判斷和防範離不開一線作業人員的規範操作與專業知識，因此，本集團一貫重視員工培訓，目前已建立系統性的培訓機制，為員工提供包括職業技能、安全生產和職業衛生知識與能力、綜合技能(如職業規劃、溝通技巧、領導力等)和廉潔反貪腐範疇的理論及／或實際操作培訓課程，同時亦有跨部門間的交流學習，以促進員工的職業技能和綜合技能提升。

Total duration of comprehensive skills training amounted to 617 hours

綜合技能類培訓總時長617小時

We provide training courses for employees to help enhance their comprehensive skills, which cover career planning, communication and negotiation skills, leadership enhancement, etc. 為員工提供有助於提升其個人綜合技能的培訓課程，內容涵蓋職業規劃、溝通及談判技巧、領導力提升等

Total duration of integrity training amounted to 322 hours

廉潔培訓總時長322小時

We ensure all employees participate in integrity training, and those who fail to attend the training in person are also required to participate through phone calls or video calls, so as to enhance the anti-corruption awareness of employees. 確保全部員工參與廉潔培訓，未能現場出席的員工亦需通過電話或視訊系統參與，加強員工反貪防腐觀念

During the Reporting Period, the Group provided a total of 12,206 hours of training for the staff, with 4,388 participants trained in accumulation. The average training hours per employee was 52.6 hours, with full training coverage for our staff. In line with the training program, the Group has formulated corresponding assessment mechanisms with regards to different types of trainings to ensure that our staff are equipped with the corresponding knowledge and skills to meet their job and self-improvement needs.

報告期內，本集團合共為員工提供12,206小時的培訓，累計培訓員工4,388人次，每名員工參加培訓的平均時數為52.6小時，培訓覆蓋率100%。與培訓機制相配合，本集團針對不同類型培訓的特點制定相應的考核機制，確保員工已掌握相應的知識及技巧，以滿足其崗位及自我提升的需求。



Drone training in Wuhu 蕪湖組織無人機培訓

In addition to the expertise and practicality of the training content, the Group will also give full consideration to the form of training and increase the fun of training without affecting its effectiveness, so that employees can be trained in a leisure manner.

During the Reporting Period, we organized a drone training in Wuhu. Drones is widely used for intelligent inspection in intelligent operation and maintenance, therefore, frontline workers need to be familiar with the operating techniques of drones. As the training composed of both professional knowledge and hands-on experience, despite it was not a short outdoor session, employees were proactively engaged with positive feedbacks received.

除培訓內容的專業性、實用性外，本集團亦會充分考慮培訓形式，並在不影響培訓效果的情況下，增加培訓的趣味性，令員工可以寓培訓於娛樂。

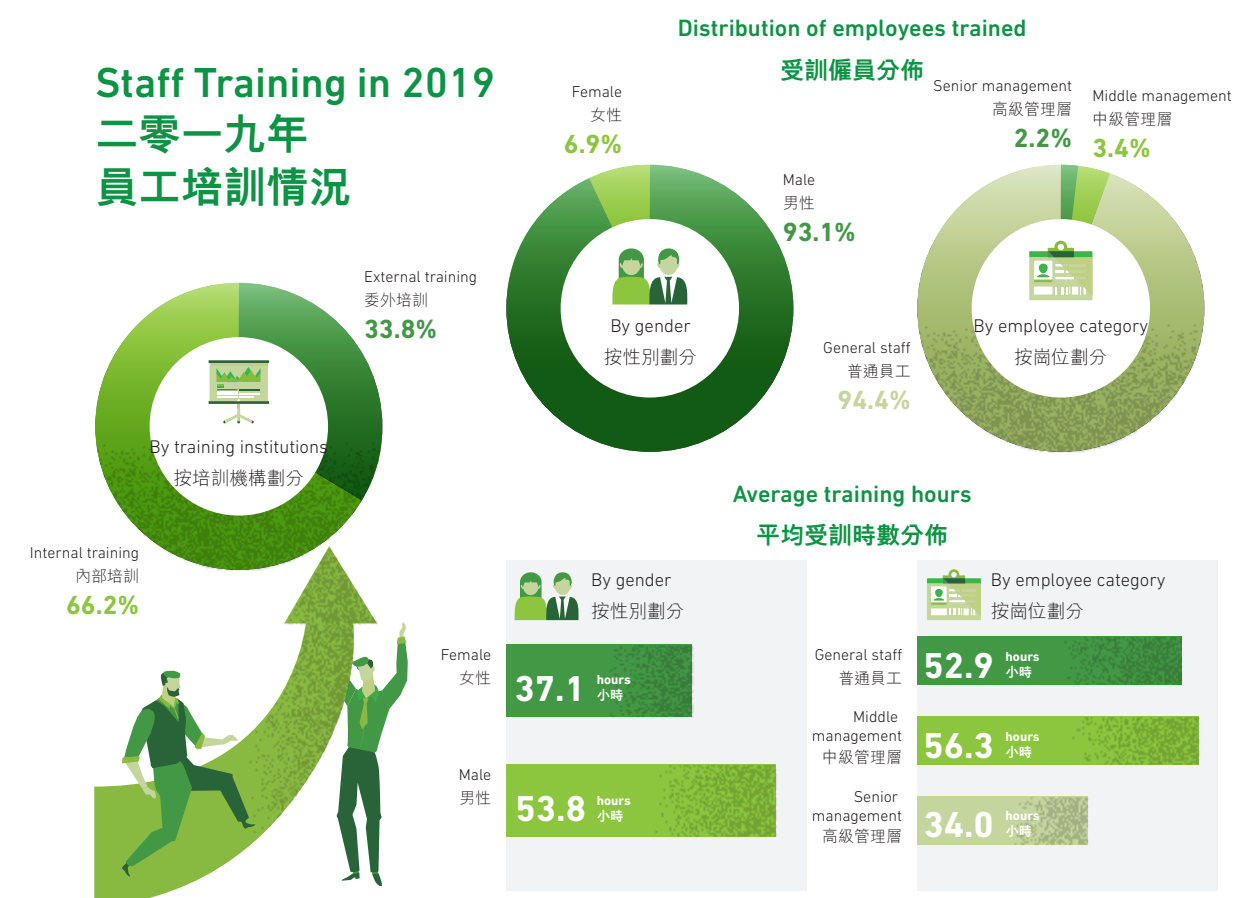
報告期內，蕪湖組織無人機培訓。使用無人機進行智能巡檢為智能運維的一環，因此一線作業員工需要熟練掌握無人機的操作技術。縱然培訓於戶外進行並且時長不短，但由於在學習專業技能的同時，員工亦可以充分享受動手操作的樂趣，因此，員工參與積極性高，培訓後反饋正向。



For the professional skills training of our staff, the Group mainly focuses on internalized advantage theory and on-the-job practical training. For certain positions such as power dispatchers, safety officers and high-voltage electricians, the Group adopts a training mode integrating internal training and external training. During the Reporting Period, the external training hours of Group accounted for approximately 33.8% of the total training hours.

針對員工的專業技能培訓，本集團以內部化理論及在崗實際操作培訓為主。就電力調度員、安全員、高壓電工等特殊崗位則執行內部培訓及委外培訓相結合的培訓模式。報告期內，本集團委外培訓時長佔總培訓時長約33.8%。

Staff Training in 2019 二零一九年 員工培訓情況



The staff training of the Group is made mainly based on the comprehensive consideration of scope of work and individual needs. During the Reporting Period, the average number of training hours for male staff was more than that for female staff, mainly due to the fact that the frontline workers received more training sessions on vocational skills and safety production than the staff holding posts in the middle and back office, and the frontline workers were mainly male staff.

Equal opportunities and staff development

The Group adheres to the strategy of talent diversification, attaches importance to the career development of the staff, and encourages the staff to choose a development path more suitable to them based on their own circumstances. At the same time, the Group assists the existing employees to understand themselves more comprehensively through training and daily work, including their strengths, skills, interests, etc., and provides different development paths for them and guide them to plan their career. The Group also spares no effort to lead the staff towards their self-recognition, job satisfaction and career goals. Staff's satisfaction with their professional development is the key to establishing and enhancing corporate identity and building a cohesive and efficient team.

本集團的員工培訓安排主要基於崗位需求及個人需求的綜合考慮。報告期內，男性員工平均受訓時數較多主要由於一線作業員工有關職業技能、安全生產相關的培訓較中後台崗位的員工更多，而一線作業員工又中以男性員工為主所致。

平等機會與員工發展

本集團堅持人才多元化的戰略，重視員工的職業生涯發展，鼓勵員工根據自身情況選擇更適合自己的發展道路。與此同時協助在崗員工通過培訓及日常工作更全面了解自己，包括其特長、技能、興趣等，並提供不同的發展途徑及指導員工規劃職業生涯發展，不遺餘力引導員工提高自我認可度、工作滿足感及實現工作理想。員工對自身職業發展的滿意是建立及提升企業認同感、構建和諧高效團隊的關鍵。



In order to promote the sustainable development, in addition to continuously strengthening the team through recruitment of excellent talents, the Group also believes that the existing employees who have grown under the nurture of the Group's corporate culture and training program are the keys for establishing an efficient team, which is consistent with the corporate development philosophy. Therefore, the Group establishes and implements an internal promotion mechanism based on the principles of "fairness, openness, and impartiality" to provide qualified employees with opportunities to further develop in their fields. The Group has established an appraisal and supervision department to conduct regular review of the daily work performance of staff, and conduct a comprehensive assessment based on various criteria such as work performance, professional skills, industry experience and personal conduct, to ensure that the appraisal and promotion criteria are equally applied to all staff. In case of any discrimination, unfair or unequal treatment that violates the Group's promotion principles, such events shall be handled seriously, followed up and investigated promptly, and the responsible person should be hold accountable for such events in accordance with the established reward and penalty system. The Operation and Maintenance Department is the core department of the Group and is secured by a sound promotion mechanism, with an internal promotion rate of over 50% for the management personnel of its solar farms.

為推動業務的持續發展，除通過招聘優秀人才不斷壯大團隊外，本集團認為在集團企業文化薰陶及培訓機制下成長的在職員工是建立與企業發展理念相一致的高效團隊的關鍵。因此，本集團基於「公平、公開、公正」原則建立及執行內部晉升機制，為具備條件的員工提供往其所在領域縱深發展的機會。本集團設有考核及監管部門，對員工的日常工作表現進行定期考核，並根據工作表現、專業技能、行業經驗、個人品行等多項標準進行綜合評估，確保考核及晉升標準對所有員工做到一視同仁。如出現違背集團晉升原則的歧視、不公正或不平等對待事件，一律嚴肅對待，及時跟進、查處，並按照既定的獎懲機制追究責任人。運維部為本集團主要業務部門，受健全的晉升機制保障，其下轄的電站管理人員內部晉升比例超過50%。



Community Investment and Empowering the Future

Having been deep-rooted in the PV industry, the Group adheres to the corporate mission of "Empowering the Green Era", focuses on technological innovation in the long run, and actively explores the cross-industry application of PV power generation. As a well-established solar power generation enterprise and solar farm operator, it is our responsibility to increase the supply capacity of renewable energy for the whole society through efficient operation and maintenance, with an aim to promote renewable energy as a reliable and sustainable energy available, affordable to and preferred by everyone. On this basis, the Group will continue to carry out its responsibilities in promoting PV power generation, so that more people will recognize renewable energy and benefit from its development.

社區投入與賦能未來

本集團紮根光伏行業，秉承「賦能綠色新時代」的企業使命，長期關注技術創新，積極探索光伏發電的跨行業應用。作為專業的太陽能發電企業及太陽能電站運營商，通過高效運維提高全社會可再生能源供應能力，以推動可再生能源成為人人可獲得的、可負擔的、可靠的和可持續的首選能源，是我們的分內之事。在此基礎上，本集團亦冀望藉自身不懈的努力，積極推廣光伏發電，令更多的群體認可可再生能源並受益於其發展。



Photovoltaic greenhouse education base
光伏大棚科普基地



Photovoltaic agricultural intelligence greenhouse is a successful exploration of the integration of PV power generation with modern agriculture and ecological tourism and plays an active role in the promotion of PV power generation and modern agricultural technology. Ecological tourism is also in line with modern society's pursuit of healthy living. Currently, the Group has two provincial/municipal-level photovoltaic education bases in Sanshan and Jinzhai, which are mainly open to local secondary and primary school students and social groups to provide them with a place to learn and understand PV power generation and modern agricultural greenhouse cultivation technology.

The Group believes that the wide spreading of knowledge will eventually promote the transformation of personal energy consumption behavior, which will in turn promote the energy transformation of the whole society.



光伏農業智能溫室是光伏發電與現代農業、生態旅遊業相結合的成功探索，對光伏發電、現代農業技術的推廣具有積極作用。生態旅遊亦符合現代社會對健康生活的追求。目前，本集團有三山和金寨兩個省級／市級光伏科普基地，主要面向當地中、小學生和社會群體開放參觀，為其提供學習和了解光伏發電及現代農業溫室栽培技術的場所。

本集團相信，知識的普及最終將推動個人能源消費行為的轉型，繼而促進全社會的能源轉型。



The Group adheres to its corporate value of "Kind to All" in its daily operations. Since a solar farm has a long operating period with close ties to the economy, environment and well-being of the local community, the Group always keeps in mind its corporate social responsibilities in daily business operations, spares no effort to fully fulfill its responsibilities on economy, environment, education and public welfare, and relentlessly strives to be a "accountable, responsible and trustworthy" corporate citizen.

Economic Benefits and Community Prosperity

All the power plants held by the Group are utility-scale solar farms that require extensive land resources and therefore are usually located in remote villages and towns far from the downtown. As there is a certain distance from the core areas, the local economic activities of the regions where the solar farms are located are generally sluggish with limited investment from enterprises. Therefore, the operation of utility-scale solar farms will bring along with significant and sustainable positive effects on the local economy, such as increasing tax incomes and promoting employment. In addition, the Group consistently operates the solar farms in a green and efficient manner. The operation process is almost free from pollution, and is friendly to the local community's ecological environment and residents, hence our previous operations have been fully supported by the government and widely recognized by the local communities.

During the Reporting Period, the Group generated a revenue of HK\$1.59 billion from power generation and sales of electricity from solar farms, recorded a net profit of HK\$891 million, and contributed tax of HK\$137 million, which effectively flourished the economy of the regions where the solar farm projects are located. At the same time, the Group also made positive contribution to the promotion of local employment with its local employee ratio accounting for 64%. The aforesaid demonstrates the Group has been actively striving for the Goal 8 of the UN SDGs, "Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all".

本集團將「善待天下」的核心價值觀內化於心，更積極在日常運營中將其外化於行。由於太陽能發電場經營年期長，與當地社區的經濟、環境、居民福祉等有著密切的關係，因此本集團在日常業務運營時，時刻謹記企業的社會責任，在經濟、環境、教育及公益範疇不遺餘力全面履責，堅持做「有擔當、負責任、可信賴」的企業公民。

經濟效益與社區繁榮

本集團所持有的均為大型集中式太陽能電站，需要廣袤的土地資源，因此，通常位於遠離區域中心的偏遠村鎮地區。由於較核心地區有一定距離，電站當地經濟活動一般不甚活躍，企業投資亦較少，因此，大型太陽能電站的運營對當地的經濟，如增加稅收及促進就業等方面具有顯著且持續的積極作用。此外，本集團堅持以綠色高效方式運營太陽能電站，運營過程近乎潔淨無污染，對當地社區生態環境及居民友好，過往經營得到政府的充分支持和當地社區的廣泛認可。

報告期內，本集團通過太陽能電站發電及售電創造收益15.9億港元，錄得純利8.91億港元，貢獻稅收1.37億港元，有效活躍電站項目所在地區的經濟。同時亦為促進當地就業作出積極貢獻，本地員工佔比達64%。充分顯示本集團以行動積極響應聯合國可持續發展目標8「促進持久、包容和可持續經濟增長，促進充分的生產性就業和人人獲得體面工作」的呼籲。

The Group believes in and adheres to the concept of social responsibility of continuous investment in the focus area to promote the development of its own business while benefiting more people, and make the community where the business is operated better.

在專注範疇持續的投入，推動自身的業務發展的同時惠及更多人，令業務所在社區更美好，是本集團認同並堅持的社會責任理念。



Improvement and protection of community environment 社區環境優化與保護



The Group actively improves the surrounding environment of solar farms through methods such as afforestation, and stresses the protection of the surrounding environment during the operation and maintenance process to achieve efficient operation and maintenance in a eco-friendly manner.

Fanchang project, located in Wuhu City, Anhui Province with an installed capacity of 60MW, is a typical fishing light complementary solar farm, which makes full use of water space and improves the additional value of the solar farm through crayfish breeding. In addition, we have also converted the surrounding unused obsolete slopes into parks to increase the green coverage and greatly improve the surrounding ecological environment.



本集團通過植樹造林等方式主動優化電站周邊環境，並注重在運維過程中對周圍環境的保護，以更清潔的方式實現高效運維。

繁昌項目位於安徽省蕪湖市，裝機規模60兆瓦，為典型的漁光互補電站，充分利用了水域空間，並通過小龍蝦養殖提高電站的附加價值。此外，還將周圍未利用黃土荒坡改建為公園，增加綠植覆蓋率，極大改善了周邊生態環境。

In addition, during the Reporting Period, the Group also actively participated in charitable activities organized by local or international charities, and took parts to care for the disadvantaged groups, such as “WEAR TO GO” organized by The Community Chest of Hong Kong and Orbis’s Blindfold Lunch Campaign, etc.

Looking forward, the Group will continuously fulfill its corporate social responsibilities in promoting renewable energy, caring for and helping disadvantaged groups, protecting ecological environment, and improving the well-being of local residents, so as to promote the mutual prosperity and development of the society.

此外，報告期內，本集團亦積極參與當地或國際慈善機構舉辦的公益慈善活動，身體力行關懷弱勢群體，如香港公益金舉辦的「衣善而行」公益金便服日、奧比斯舉辦的「食走黑暗」蒙眼午餐活動等。

展望未來，本集團將繼續在推廣可再生能源、關懷及幫扶弱勢群體、保護生態環境、改善當地居民福祉等方面主動履行企業社會責任，以促進社會共榮發展。

The Content Index of HKEX ESG Reporting Guide 香港聯交所《環境、社會及管治報告指引》內容索引

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標		Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
A: Environmental A：環境			
Aspect A1:Emissions 層面A1：排放物			
General Disclosure: Relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste: 一般披露：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)	the policies; and 政策；及	E1, G4	P15-16, P28
(b)	information on the compliance with relevant laws and regulations that have a significant impact on the issuer. 遵守對發行人有重大影響的相關法律及規例的資料。	G3	P25
A1.1	The types of emissions and respective emissions data. 排放物種類及相關排放數據。	E2	P29
A1.2	Greenhouse gas emissions in total(in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 溫室氣體總排放量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	E2	P30
A1.3	Total hazardous waste produced(in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生有害廢棄物總量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	—	P30
A1.4	Total non-hazardous waste produced(in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生無害廢棄物總量(以噸計算)及(如適用)密度(如以每產量單位、每項設施計算)。	—	P30
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。	E2	P28, P36
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。	—	P37-38

Note: (1) For material issues, please refer to the section headed “Materiality Assessment Process” on page 20-22 in this Report for details.

備註：(1) 重大議題具體可參考本報告第20至22頁「重要性評估程序」章節。

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標		Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
A: Environmental A：環境			
Aspect A2: Use of Resources 層面 A2：資源使用			
General Disclosure: Policies on the efficient use of resources, including energy, water and other raw materials 一般披露：有效使用資源(包括能源、水及其他原材料)的政策		E3	P38-39
A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility). 按類型劃分的直接及／或間接能源(如電、氣或油)總耗量(以千個千瓦時計算)及密度(如以每產量單位、每項設施計算)。	E3	P31
A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility). 總耗水量及密度(如以每產量單位、每項設施計算)。	—	P31
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。	E3	The solar power generation business mainly involves the consumption of gasoline, diesel and electricity during the operation and maintenance process due to the use of vehicles, operation and maintenance and domestic electricity. Therefore, the Group mainly adopts the intelligent operation and maintenance model to improve energy efficiency, which can be referred to the relevant content headed “intelligent operation and maintenance” on pages 40-41. 太陽能發電業務主要在運維過程中，因使用車輛、運維及生活用電涉及汽油、柴油及電力的消耗，因此，本集團主要通過智能運維模式以提升能源使用效益，可參考第40至41頁「智能運維」的相關內容。

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標		Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
A: Environmental A：環境			
Aspect A2: Use of Resources 層面 A2：資源使用			
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。	—	PV power generation does not consume water, while the Group uses water-saving and environmental-friendly cleaning modes during operation and maintenance, including the application of water-free cleaning robots or using rainwater cleaning, and therefore is less dependent on water resources. As water resources do not have a significant impact on the Group's operation and the Group's business does not involve a large amount of water consumption or pollution, the management of water resources and wastewater is not identified as a material issue of the Group. Therefore, the Group has not formulated a separate policy for water resources, but still advocates the environmental protection concept of water conservation in the course of operation and maintenance, and promotes the rational use of water resources. 光伏發電本身並無需用水，而運維時本集團使用節水環保的清潔模式，包括無水機器人清潔或利用自然雨水清潔，因此對水資源依賴性弱。由於水資源並不會對本集團運營產生重大影響同時本集團業務亦無需消耗大量水資源或造成污染，因此水資源及廢水管理並未識別為本集團的重大議題，故本集團亦暫未針對水資源制定獨立政策，但仍在運維過程中倡導節約水資源的環保理念，倡導合理利用水資源。

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標		Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
A: Environmental A：環境			
Aspect A2: Use of Resources 層面 A2：資源使用			
A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. 製成品所用包裝材料的總量(以噸計算)及(如適用)每生產單位佔量。	Not applicable 不適用	The Group's core businesses of sales of electricity and provision of solar farm operation and management services to third parties do not involve the use of packaging materials. 本集團的主營業務電力銷售及為第三方提供太陽能電站運維服務均不涉及包裝材料的使用。
Aspect A3: The Environment and Natural Resources 層面 A3：環境及天然資源			
General Disclosure: Policies on minimising the issuer's significant impact on the environment and natural resources 一般披露：減低發行人對環境及天然資源造成重大影響的政策		E1	P27-28
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。	E1	P10-15, P32-41

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標		Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
B: Social B：社會			
Employment and Labor Practices 僱傭及勞工常規			
Aspect B1: Employment 層面 B1：僱傭			
General Disclosure: Relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare: 一般披露：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)	the policies; and 政策；及	G6, G7	P53
(b)	information on the compliance with relevant laws and regulations that have a significant impact on the issuer. 遵守對發行人有重大影響的相關法律及規例的資料。	G3, G5	P25, P55
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。	G5	P54
B1.2	Employee turnover rate by gender, age group and geographical region. 按性別、年齡組別及地區劃分的僱員流失比率。	G6	P54

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
B: Social B：社會		
Aspect B2: Health and Safety 層面 B2：健康與安全		
General Disclosure: Relating to providing a safe working environment and protecting employees from occupational hazards. 一般披露：有關提供安全工作環境及保障僱員避免職業性危害的：		
(a) the policies; and 政策；及	G1, G2, S1	P42-48
(b) information on the compliance with relevant laws and regulations that have a significant impact on the issuer. 遵守對發行人有重大影響的相關法律及規例的資料。	G1	P25, P42
B2.1 Number and rate of work-related fatalities. 因工作關係而死亡的人數及比率。	G1	P42
B2.2 Lost days due to work injury. 因工傷損失工作日數。	G1	P42
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。	G1	P43-48
Aspect B3: Development and Training 層面 B3：發展及培訓		
General Disclosure: Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities. 一般披露：有關提升僱員履行工作職責的知識和技能的政策。描述培訓活動。		
B3.1 The percentage of employees trained by gender and employee category (e.g. senior management, middle management). 按性別及僱員類別(如高級管理層、中級管理層等)劃分的受訓僱員百分比。	G7	P63
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。	G7	P63

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
B: Social B：社會		
Aspect B4: Labor Standards 層面 B4：勞工準則		
General Disclosure: Relating to preventing child and forced labor. 一般披露：有關防止童工或強制勞工的：		
(a) the policies; and 政策；及	G5	P55, P58
(b) information on the compliance with relevant laws and regulations that have a significant impact on the issuer. 遵守對發行人有重大影響的相關法律及規例的資料。	G3, G5	P25, P55
B4.1 Description of measures to review employment practices to avoid child and forced labor. 描述檢討招聘慣例的措施以避免童工及強制勞工。	G5	P56
B4.2 Description of steps taken to eliminate such practices when discovered. 描述在發現違規情況時消除有關情況所採取的步驟。	G5	P56

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
B: Social B：社會		
Operating Practices 營運慣例		
Aspect B5: Supply Chain Management 層面 B5：供應鏈管理		
General Disclosure: Policies on managing environmental and social risks of the supply chain. 一般披露：管理供應鏈的環境及社會風險政策。	Not applicable 不適用	As the Group is not involved in the production of PV products and the construction of solar farms, and also not involve the use of external fuel for PV power generation, therefore, open tendering is only required for significant replacement of solar modules. The Quality Department is responsible for tendering in accordance with the Group's established supplier management system. As the Group's solar farms were constructed in recent years and did not open any tender during the Reporting Period, the Group did not disclose the relevant matters in this Report. 由於本集團不涉及光伏產品生產及太陽能電站建設，光伏發電亦無需外購燃料，因此，僅需於大量更換太陽能組件時進行供應商招標。招標工作由質量部負責並遵循本集團既定的供應商管理制度進行招標。由於本集團的太陽能電站均於近年建設，並未於報告期內進行供應商招標，因此，於本報告內，本集團未就相關事宜進行披露。
B5.1 Number of suppliers by geographical region. 按地區劃分的供應商數目。	Not applicable 不適用	Not applicable 不適用
B5.2 Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored. 描述有關聘用供應商的慣例，向其執行有關慣例的供應商數目、以及有關慣例的執行及監察方法。	Not applicable 不適用	Not applicable 不適用

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
B: Social B：社會		
Aspect B6: Product Responsibility B6：產品責任		
General Disclosure: Relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress. 一般披露：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) the policies; and 政策；及	S1	P40-47
(b) information on the compliance with relevant laws and regulations that have a significant impact on the issuer. 遵守對發行人有重大影響的相關法律及規例的資料。	—	As electricity is the primary product sold by the Group to external customers, the major concerns of them are about the stability and safety of supply. The established system to ensure the safety of the Group's electricity supply has been disclosed in the section headed "Safety Management" on pages 42-48. In relation to privacy matters, it mainly concerns the information security during the intelligent operation and management provided to customers, which has been disclosed in the section headed "Intelligent Operation and Maintenance" on pages 40-41. In addition, the Group's business does not involve advertising and labelling matters. 由於本集團對外銷售的為電力產品，客戶主要關注供應的穩定性及安全性，有關保障本集團電力供應的安全已於第42至48頁「安全管理」章節進行披露。有關私隱事宜，主要為向客戶提供智能運維時保障信息安全，有關此項已於第40至41頁「智能運維」章節進行披露。此外，本集團業務並不涉及廣告、標籤事宜。
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。	Not applicable 不適用	The Group sells electricity and therefore does not involve product recalls. 本集團銷售的為電力產品，因此不涉及產品回收。

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
B: Social B：社會		
Aspect B6: Product Responsibility B6：產品責任		
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。	Not applicable 不適用
		As the Group sells electricity externally, the customers mainly concern about the stability and safety of supply, therefore, the Group has not formulated any independent policy for product and service complaints in addition to assigning personnel to maintain effective communication with customers. 由於本集團對外銷售的為電力產品，客戶主要關注供應的穩定性及安全性，因此，本集團除設專職人員與客戶保持有效溝通外，暫未針對產品及服務投訴制定獨立政策。
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。	—
		The Group currently owns 3 registered patents and 4 patents under application. 本集團目前擁有3項註冊專利及4項申請註冊中的專利。
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。	Not applicable 不適用
		The Group sells electricity and therefore does not involve product recalls. 本集團銷售的為電力產品，因此不涉及產品回收。
B6.5	Description of consumer data protection and privacy policies, how they are implemented and monitored. 描述消費者資料保障及隱私政策，以及相關執行及監察方法。	—
		P41

Subject Areas, Aspects, General Disclosures and KPIs 主要範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues ¹ 對應重大議題 ¹	Disclosure or Notes 披露位置或備註
B: Social B：社會		
Aspect B7: Anti-corruption 層面 B7：反貪污		
General Disclosure: Relating to bribery, extortion, fraud and money laundering. 一般披露：有關防止賄賂、勒索、欺詐及洗黑錢的：		
(a)	the policies; and 政策；及	G3 P26
(b)	information on the compliance with relevant laws and regulations that have a significant impact on the issuer. 遵守對發行人有重大影響的相關法律及規例的資料。	G3 P25-26
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。	G3 P26
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。	G3 P26
Community 社區		
Aspect B8: Community Investment 層面 B8：社區投資		
General Disclosure: 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. 一般披露：有關以社區參與來了解營運所在社區需要和確保其業務活動會考慮社區利益的政策。		
B8.1	Focus areas of contribution (e.g. education, environmental concerns, labor 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)。	S2, S3 P66-68
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)。	S2, S3 P66-68

