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



## 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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#### 可持續發展管治

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#### 新世代發電業務:

100% 可再生能源供應商 「GREEN」模式發電業務 綠色、高效、安全電站運營 環境友好型電站 智能運維 安全管理 長久的客戶關係 Opportunities and Challenges Arising from Climate Change 氣候變化的機遇與挑戰

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「CARE」人才管理理念 勞工合規 人才吸引與保留 薪酬福利制度 員工關懷 培訓與共同成長 培訓機制 平等機會與員工發展

#### 善待天下,全面履責的企業公民

社區投入與賦能未來 經濟效益與社區繁榮

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This report is an Environmental, Social and Governance Report 本報告乃信義能源控股有限公司(「信義 (the "Report" or the "ESG Report") prepared by Xinyi Energy 能源」或「本公司」)及其附屬公司(「集團」 Holdings Limited ("Xinyi Energy" or the "Company") and its 或「本集團」)按照香港聯合交易所有限 subsidiaries (the "**Group**") in accordance with the Environmental, 公司(「**香港聯交所**」)的證券上市規則附 Social and Governance Reporting Guide (the "ESG Reporting 錄二十七《環境、社會及管治報告指引》) **Guide**") set out in Appendix 27 to the Rules Governing the Listing (「ESG報告指引」)編寫的《環境、社會及 of Securities on The Stock Exchange of Hong Kong Limited 管治報告》(「本報告」或「ESG報告」)。 ("Hong Kong Stock Exchange").

This report is the first ESG Report of Xinyi Energy with the 本報告為信義能源的第一份ESG報告,以 theme of "Born Clean", covering the policies and systems 「生而潔淨」為主題,涵蓋本集團於2019 consistently implemented and the main initiatives implemented for the purpose of sustainable corporate development, and 「年內」)期間,為實現企業的可持續發 the performance of key indicators by the Group, in terms 展,在環境管理、社會責任及企業管治方 of environmental management, social responsibility and 面貫徹執行的方針及制度、開展的主要工 corporate governance from 1 January to 31 December 2019 作、核心指標的表現,以及未來在相關領 (the "**Reporting Period**" or the "**Year**"), as well as the directions 域的方向及目標。部分內容或追溯過往年 and objectives therefor in the future. Part of the content may 份或延伸至2020年度。本報告涵蓋本公 trace back to previous years or extend to the year of 2020. The 司財務報表中載列的所有實體,包括所有 Report covers all the entities set out in the Company's financial 附屬公司,及其業務。在本報告中,所有 statements, including all the subsidiaries and their businesses. 貨幣金額均以港元列示。 In the Report, all monetary amounts are presented in Hong Kong dollars.

The Group adheres to the reporting principles of "Materiality", 本集團遵守「重要性」、「量化」、「一致性」 "Quantitative" and "Consistency", and has conducted materiality 的匯報原則,在撰寫本報告前,已進行重 assessment prior to the preparation of the Report, and eventually identified 14 material issues in consideration of both 終確定14項重大議題,並逐一於報告內 internal and external opinions, which are reported independently 進行匯報。有關重要性評估的結果,詳見 in the Report. For the results of the materiality assessment, 「重要性評估」章節。此外,本集團遵守 please refer to the section headed "Materiality Assessment" for ESG報告指引所載「不遵守就解釋」條文的 details. In addition, the Group has complied with the disclosure 故露要求。 requirements of the "comply or explain" provision contained in the ESG Reporting Guide.

年1月1日至12月31日(「報告期內」或

要性評估,並結合內部及外部的意見,最

有關環境及社會關鍵績效指標編製,分別 The environmental and social key performance indicators (KPIs) have been compiled with reference to the Reporting Guidance 參考香港聯交所《環境關鍵績效指標匯報 on Environmental KPIs and Reporting Guidance on Social 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 KPIs of the Hong Kong Stock Exchange, respectively, and the scope of disclosure has been selected, and data collection and 及進行數據收集和統計,如無特別説明, statistical analysis have been conducted, in the principles of 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 materiality and applicability. Unless otherwise specified, the 附錄提供《2019年環境、社會及管治報告 calculation formulas and parameters have been taken following 內容索引》予讀者作對照參考。 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.

本報告可於香港聯交所網站 The Report is available for download on the website of the Hong Kong Stock Exchange (www.hkexnews.hk) and the website of the (www.hkexnews.hk)及本公司網站 Company (www.xinyienergy.com). (www.xinyienergy.com)下載。

建議本報告連同信義能源2019年報一併 It is recommended to read the Report in conjunction with Xinyi Energy's 2019 annual report. The Report is published bilingually. 閲覽;本報告以中、英文兩種文字出版, If there is any discrepancy between the two versions, the 若兩種版本出現差異,請按中文版解讀。 Chinese version shall prevail.

The Report has been passed by the Safety, Occupation and 本報告已獲本集團安全、職業、環境委員 Environment Committee (the "SOE Committee") of the Group, and 會(「安職環委員會」)通過,並獲得董事會 approved by the board of directors (the "Board"). If you have any (「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 question or suggestion regarding the Report, you are welcome to make inquiry by phone or by mail. Our contact information is 問。我們的聯繫方式如下: as follows:

#### Xinyi Energy Holdings Limited **Investor Relations Department**

Address:	21/F, Rykadan Capital Tower, No. 135 Hoi E
	Kwun Tong, Kowloon, Hong Kong
Telephone:	+852 3919 2888
Fax:	+852 3919 2890
E-mail:	ir@xinyienergy.com.hk
Website:	www.xinyienergy.com

#### **ABOUT THIS REPORT** 關於本報告

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#### 信義能源控股有限公司

#### 投資者關係部

地址:香港九龍觀塘海濱道135號 Bun Road, 宏基資本大廈21樓

> 電話:+852 3919 2888 傳真:+852 3919 2890 電郵:ir@xinyienergy.com.hk 網站:www.xinyienergy.com

#### Sustainable Business

Xinyi Energy is a leading non-state owned solar farm owner 信義能源為中國領先的非國營太陽能電站 and operator in the People's Republic of China ("PRC"), and was 擁有人和運營商,於2019年5月28日在 listed on the Main Board of the Hong Kong Stock Exchange on 香港聯交所主板上市,股份代號:03868. 28 May 2019 (stock code: 03868.HK). As of 31 December 2019, HK。截至2019年12月31日,本集團共 the Group owned, operated and managed a total of 15 utility- 擁有和運營管理15個大型集中式太陽能 scale solar farms ("Existing Projects") with a total approved 電站(「現擁有的項目」),總核准容量為 capacity of 1,494 megawatts ("MW"). The Existing Projects of 1,494 兆瓦(「兆瓦」)。本集團現擁有的項 the Group are all located in Resource Zone II and Resource Zone III in China with strong electricity demand, including Anhui 省、福建省、天津市等電力需求旺盛的 Province, Hubei Province, Henan Province, Fujian Province 二、三類資源區,集團經營歷史上從未出 and Tianjin Municipality, and the Group has never experienced 現過限電問題。現擁有的項目中有974兆 power curtailment in its operating history. Among the Existing 瓦的項目已獲納入第六及第七批補助目 Projects, the projects of 974MW have been enlisted on the 錄,而餘下520兆瓦的項目均為符合《可 sixth and seventh batch of the Subsidy Catalogue, and the 再生能源電價附加補助資金管理辦法》(財 remaining projects of 520MW are all pipeline projects satisfied 建[2020]5號)所提出的可再生能源發電補 the requirements set forth in the Measures for Administration 助條件的存量項目。 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.

## 可持續發展業務

目全部位於中國安徽省、湖北省、河南

The Group is solely engaged in solar farm operation ("Pure 本集團為太陽能電站純運營商(「純運營 **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 utilityscale solar farm projects which are fully completed and gridconnected. In addition, the Group intends to maintain a high dividend payout ratio with annual distribution of over 90% of 東。2019-2020年將分派100%可分派收 distributable income to shareholders. In 2019-2020, we have  $\lambda$   $\circ$ committed to distribute 100% of the distributable income.

Xinyi Energy has the call option and the right of first refusal to 信義能源擁有對本公司控股股東信義光能 the solar farms of the controlling shareholder of the Company, 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 Xinyi Solar Holdings Limited ("Xinyi Solar", stock code: 00968. HK). Furthermore, the Group can acquire high-quality utility-購買權。此外,本集團亦可於市場向獨立 scale projects from independent third parties in the market for 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。 expansion in operation scale.



## Binhai Solar Farm 174MW 濱海光伏電站174兆瓦 Henan 110MW 河南110兆瓦 Guiping 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 ixin Solar Farm 140MW 利辛光伏電站140兆瓦 Nuwei 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 uainan Solar Farm 20MW 淮南光伏電站20兆瓦 Nuwei Solar Farm Two 50MW 無為二期光伏電站50兆瓦 ian Solar Farm Two 200MW 壽縣二期光伏電站200兆瓦 Fuiian 30MW 福建30兆万 Solar Farm 30MW 南平光伏電站30兆瓦

Tianjin 174MW 天津174兆瓦

#### 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 老昌一期光伏雷站130兆页 Xiaochang Solar Farm Two 30MW 孝昌二期光伏電站30兆瓦

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)

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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



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#### Performance of Key Indicators in 2019

2019年核心指標表現





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》



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## "Dedicated to Simple" Concept of Sustainable

#### Development

The business model of the Group is clear and stable, where it 本集團的業務模式清晰且穩定,純粹诱過 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 收入。由於本集團銷售的電力100%來自 derive revenue from operation and management services. Since 於可再生能源,因此,業務經營全週期對 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 大氣環境、聲環境及光環境幾乎不會產生 maintain the 24-hour operation of the solar farms, and results 負面影響。同時,本集團通過光伏發電, 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 等電站年內二氧化碳減排量約50.8萬噸。 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 契合。 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

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 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、 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

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

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



Mission 使命Simple power generation 統發電企業No raw material 無影常工具Empowering the Green Era and Lighting up the World 就能總色新時代、光源點亮千萬家Only operates power station without involving in development and construction 僅電站運營・不涉足開發建設Sunlight" as the sole n for power gener up (陽光」 作為唯一 使電視波器Vision 廠景 Creating a leading brand for efficient operation of renewable energy energyPure renewable energy £3 ales of electricity solely generated from PV power 100%電力銷售來自光伏發電No tariff fluctuation 無電償波點異 National policies secu feed-in-tariff for 20 國家政策保障20年国家 Sales of electricity solely generated from PV power 100%電力銷售來自光伏發電No tariff fluctuation 無電償波點異 National policies secu feed-in-tariff for 20 國家政策保障20年国家 core values 表合能源暢手可及No tariff fluctuation 無電償波點異 Sales of electricity solely generated from PV power 100%電力銷售來自光伏發電Stable revenue n 穩固的收益模 "Generation of power electricity" mo Customers are all who subsidiaries of the S 「發電 - 售電」 客戶均為國家電網全Trust, integrity, passion and people 信譽至上、養氣峥嵘、自強不息、 游特天下Projects are all cated Zone II and Resource No power curtailmente in operating his 項目的位於二、三美 歷史經營期內未透照	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 busines 低風險的經營
	使命 Empowering the Green Era and Lighting up the World 賦能總色新時代・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 綜色能源觸手可及 Core values 核心價值觀 Trust, integrity, passion and people 信譽至上・義氣峥嵘・自強不息・	<mark> 鉄發電企業</mark> 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 美可再生能源 Sales of electricity solely generated from PV power	無原料風險 「Sunlight" as the sole ri- for power gener. 以「陽光」作為唯一 No tariff fluctuatic 無電信波動風 National policies secu- feed-in-tariff for 20 國家政策保障20年回訳 Stable revenue n 穩固的收益模 "Generation of power electricity" mo Customers are all who subsidiaries of the S 「發電一售電」」 客戶均為國家電網全 Projects are all located Zone II and Resource No power curtailment e in operating his 項目均位於二、三类



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### ial risk raw materi - 發雷 原料

#### ion risk 国险 ured a fixed

20 years 国定上網電價

#### 模式

r – sales of nodel holly-owned State Grid 模式 全資子公司

t in Resourc rce Zone III t experience 類資源區 限雷問題

## shareholders 堅定回饋股東的真心

高派息比率政策 0-100% of distributable income distributed to shareholders 將可分派收入的90至100% 分派予股東

### Steadfast implementati of the SDGs 堅決貫徹SDGs

Our action is highly consistent with the Sustainable Development Goal 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 tha are most relevant to the Group's business 特別是與本集團業務相關性最強的 3項可持續發展日標 



#### Corporate Actions for UN's SDGs

In the Brundtland Report, the UN's World Commission 聯合國環境與發展世界委員會於《布倫特 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

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 戲丨。

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 本集團為100%可再生能源發電企業,令 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 以下展示了本集團如何在企業行動上為 realization of SDGs in terms of corporate actions and lists our SDGs的實現作出貢獻,並提出我們的可 持續發展目標: own sustainable development targets:

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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。





#### Relevant specific goals 相關的具體目標



- 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
- 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

### GAL 目標11: stainable cities and communities 寺續城市與社區

- 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
- 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

## **③ X**JF 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電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 CO, 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電站、運營太陽能電站促進當地就業、税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

## 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13:

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

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電站規模, 及透過智能運營提升現持有的太陽能電站發電效益,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年電站規模增加540MW,同比提升56.6%, 年售電量同比提升38.8%



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電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,並透過農光互補電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



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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	
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	
G0AL 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	
G0AL 目標15	Life on land 陸地生物	



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 盲傳

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

## Sustainable Development Targets 可持續發展目標 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% 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 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 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 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 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 longterm 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 decisionmaking.

#### SUSTAINABILITY GOVERNANCE 可持續發展管治

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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。

#### SUSTAINABILITY GOVERNANCE 可持續發展管治

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



## 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 大的環境、社會及管治事宜提供了重要參 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.



## SUSTAINABILITY GOVERNANCE

可持續發展管治

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#### 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 考。

During the Reporting Period, the key stakeholders identified by 報告期內,本集團已識別的關鍵持份者、 the Group, the main channels of communication with them and 與其溝通聯繫的主要渠道及其關注議題 the issues of concern are as follows:

如下表所示:

Key stakeholders 關鍵持份者	lssues 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
の の の の の の の の の の	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(税收等) 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



環境管理及合規

#### Materiality assessment

In preparing the ESG Report for the Year, the Group adopted the 在編製本年度ESG報告時,本集團採納香 recommendations in the Environmental, Social and Governance 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 Reporting Guide of the Hong Kong Stock Exchange on materiality assessment, conducted the materiality assessment 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 in accordance with the following procedures, and finally 關注的14項重要議題: 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 對未納入重要議題的其他議題,如涉及關 relevant data and explanations have been provided on those involving key performance indicators on pages 69 to 79, 2019 《2019年環境、社會及管治報告內容索 ESG Reporting Guide Content Index.

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	Main channels of communication 主要溝通渠道
ntrol shareholders	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
t plan	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
ompliance	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

#### 重要性評估

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 鍵績效指標的均於第69至79頁的附錄: 引》內提供相關數據或作出説明。



## **Materiality** Assessment **Process** 重要性評估程序





- 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 《重要性列表一 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 題就與本集圖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《重要性列表一以行業 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

•





#### SUSTAINABILITY GOVERNANCE 可持續發展管治

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he Group in	

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

e internal obtained from unication, the	<ul> <li>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</li> </ul>
d to identify terial to both the Group's	<ol> <li>對持份者及對本集團業務同時具有重 要影響的議題</li> </ol>
erial to either usiness on the results sessment	<ul> <li>2. 對持份者或對業務具有重要影響的議題</li> <li>根據重要性矩陣的結果進行議題的優次 排序</li> </ul>
and senior ho ultimately	<ul> <li>將優次排序後的議題列表提呈行政總裁</li> <li>及高級管理層審核,最終確定對本集團</li> <li>業務和持份者最為重要的重大議題</li> </ul>

High

mpacts on external s 對外部持份者的影響

Low

低

高

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

對持份者或本集團業務具有重要影響的議題



# Impacts on ecosystem and environment Greenhouse gas/exhaust gases emissions and management Available, affordable and stable supply of renewable energy 可獲得、可負擔、穩定的可再生能源供應 Economic benefits and community prosperity Community investment and empowering the future Management and control of systematic risks and Compliant operation and integrity management

Remuneration package and talent retention 薪酬福利與人才保留 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 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 governance in the Group's management structure and internal control process for the purpose of ensuring that all business 確保本集團之所有業務活動及決策妥為規 activities and decision-making process of the Group are properly 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 regulated, thereby attracting the attention and gaining longterm support from the stakeholders sharing the same corporate 升業務規模及股東價值,並有力保障股東 values. Hence it is continuously scaling the business and 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 promoting value for shareholders, and effectively protecting the rights and interests of shareholders and other stakeholders. 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 To this end, the Group has formulated the procedures and regulations related to corporate governance in accordance 嚴格遵守。 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.



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### 企業管治 管治理念及管治架構

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。



#### SUSTAINABILITY GOVERNANCE 可持續發展管治

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## The Board 董事會

strategic planning and determining goals 負責監督、管治、長期戰略規劃及目標釐定

0

委員會

#### **Chief Executive Officer** 行政總裁

management of the business, monitoring the operating and financial results, submitting future business plans and supervision of the Board 負責業務的日常運營管理,監控運營及 財務業績・向董事會提呈未來業務計劃 及策略,獲得批准後領導經營團隊落實 執行,並接受董事會的監管



# **Remuneration Committee**

## 薪酬委員會 (i) To review the terms of the

remuneration packages of directors and senior management 審閱董事及高級管理層之酬金待遇 條款 (ii) To determine award of bonuses 釐定分發的獎金

#### Nomination Committee 提名委員會

(i) To review the structure, size and diversity of the Board on a regular basis 定期檢討董事會的結構、規模和多 元化 (ii) To assess the independence of the independent non-executive directors 評估獨立非執行董事的獨立性

(iii) To recommend on the appointment, retirement and re-election of directors 就董事的委任、退任及重選提出建

#### Audit Committee 審核委員會 (i) To review the financial reporting procedures 案問財報由報程序 (ii) To evaluate the effectiveness of internal control and risk management systems 評估內部監控及風險管理系統的有效

(iii) To oversee the Group's auditing processes 監督本集團的審計過程

#### Acquisition Committee 收購委員會

(i) To consider and approve the acquisition of utility-scale solar farm projects 考慮及批准收購大型集中式電站

(ii) To review and evaluate investment projects 檢討及評估投資項目 (iii) To advise on the Group's long-term development strategies and make recommendations to the

Board 就本集團的長期發展戰略提供意見

,及向董事會作出推薦建議

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

議

For further details of the Group's corporate governance policies 有關本集團更詳盡的企業管治政策、措施 and measures, the effectiveness thereof and other information, please refer to the corporate governance report on pages 18 to 公司2019年年報第18至24頁刊載之企業 24 of the Company's 2019 annual report.

與其成效,以及其他資料詳情,請參閱本 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:



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.

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#### 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:

ental Protection Law of the People's of China	《中華人民共和國環境保護法》
e People's Republic of China on ental Impact Assessment	《中華人民共和國環境影響評價法》
e People's Republic of China on the n and Control of Atmospheric Pollution	《中華人民共和國大氣污染防治法》
e People's Republic of China on the n and Control of Water Pollution	《中華人民共和國水污染防治法》
e People's Republic of China on the n and Control of Pollution from ental Noise	《中華人民共和國環境噪聲污染防治法》
e People's Republic of China on the n and Control of Environmental by Solid Waste	《中華人民共和國固體廢物污染環境防治法》
cy Response Law of the People's of China	《中華人民共和國突發事件應對法》
Catalogue of Hazardous Wastes	《國家危險廢物名錄》
w of the People's Republic of China ntract Law of the People's Republic of	《中華人民共和國勞動法》 《中華人民共和國勞動合同法》
s on the Prohibition of Using Child	《禁止使用童工規定》
ules on the Labor Protection of mployees	《女職工勞動保護特別規定》
e People's Republic of China on the n and Control of Occupational	《中華人民共和國職業病防治法》
ent Ordinance of Hong Kong	《僱傭條例》(香港)
Law of the People's Republic of China ant clauses relating to corruption, ement, misappropriation of funds, tc.)	《中華人民共和國刑法》(有關貪污罪、 職務侵佔罪、挪用資金罪、受賄罪、行賄罪 等相關條款)
ir Competition Law of the People's of China	《中華人民共和國反不正當競爭法》
n of Bribery Ordinance of Hong Kong 'ower Law of the People's Republic of	《防止賄賂條例》(香港) 《中華人民共和國電力法》
e People's Republic of China on Work	《中華人民共和國安全生產法》
rol Law of the People's Republic of	《中華人民共和國消防法》

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 在廉潔管理方面,本集團嚴格遵守《中華 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 款、《中華人民共和國反不正當競爭法》、 法》), the Anti-unfair Competition Law of the People's Republic 《防治賄賂條例》(香港)等法律法規,並依 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 或其他合作夥伴行賄或提供其他非法利益 zero tolerance for the illegal acts and non-compliances such as 等違法違規的行為零容忍。 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, 規範的內部守則、行為指南及獎懲分明的 and guides the staff to perform their duties with integrity and 制度,引導員工廉潔履責,守信從業。除 work with honesty through standardized internal codes, conduct 透過內控中心實施內部監管及定期進行廉 guidelines and systems with clear rewards and punishments. In addition to implementing internal supervision through the 電話等多個舉報渠道,在外部力量的協力 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 本集團定期開展廉潔專題培訓,並要求全 regularly organizes special trainings on integrity and requires 體員工參與。報告期內,本集團開展的 all staff to participate. During the Reporting Period, the Group 康潔培訓合共 322 小時,獲得 322 人次參 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 報告期內,未發生對本集團或僱員提出並 against the Group or its employees that had been concluded, and the Group was not aware of any material non-compliance of 任何廉潔相關並對集團造成重大影響的嚴 laws and regulations related to integrity and having a significant 重違法違規情況。 impact on the Group.

### 廉潔管理

人民共和國刑法》中貪污、賄賂相關的條 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

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 潔考核外,本集團提供信函、電子郵件、 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。 與,在職員工培訓率100%。

已審結的貪污訴訟案件,本集團亦不知悉

#### "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 本集團恪守「賦能綠色新時代,光源點亮

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.

#### **POWER GENERATION OF THE FUTURE: 100% RENEWABLE ENERGY** 新世代發電業務:100%可再生能源供應商

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「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。

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。

#### **POWER GENERATION OF THE FUTURE: 100% RENEWABLE ENERGY** 新世代發電業務:100%可再生能源供應商

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

#### 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 rate<sup>1</sup> 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

#### 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

時遠程監控

#### 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年環境

2019 Core Environm

指標

Electricity sold

#### 銷售電量

Equivalent to saving standard coals 相當於節約標準煤

Equivalent to reducing CO<sub>2</sub> emissions 相當於減少二氧化碳排放

Equivalent to reducing Nitrogen Oxides (NO) emission 相當於減少氮氧化物(NO\_)排放

Equivalent to reducing Sulphur Dioxide (SO<sub>2</sub>) emission 相當於減少二氧化硫(SO,)排放

Equivalent to planting trees 相當於種植樹木

Equivalent to household electricity consumption 相當於家庭用電量

#### Emissions 排放物

#### Emission of exhaust gases 廢氣排放

Nitrogen Oxides (NO) 氮氧化物(NO)

Sulphur Dioxide (SO<sub>2</sub>) 二氧化硫(SO,)

Particles (smoke and dust) 顆粒物(煙塵)



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ental Pe 意核心指 <sup>;</sup>	erformance 標	
		Performance during
	Unit	the Reporting Period
	單位	報告期內表現
	kWh千瓦時	1,604,524,000
	tonnes噸	493,552
	tonnes噸	1,349,405
ons	tonnes 噸	305
ons	tonnes 噸	321
	plants 棵	58,669,769
	households戶	802,262

kilograms千克	463.30
kilograms千克	0.88
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 <sup>1</sup> 溫室氣體排放總量 <sup>1</sup>	tonnes of CO <sub>2</sub> 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 <sub>2</sub> equivalent 噸二氧化碳當量	148.69
- Indirect emissions <sup>2</sup> (Scope 2) 間接排放 <sup>2</sup> (範圍 2)	tonnes of CO <sub>2</sub> equivalent 噸二氧化碳當量	11,095.33
Emission intensity of greenhouse gas <sup>3</sup> 溫室氣體排放量密度 <sup>3</sup>	tonnes of CO <sub>2</sub> equivalent 噸二氧化碳當量	6.98
- Direct emissions (Scope 1) 直接排放(範圍 1)	tonnes of CO <sub>2</sub> equivalent 噸二氧化碳當量	0.09
- Indirect emissions (Scope 2) 間接排放(範圍 2)	tonnes of CO <sub>2</sub> equivalent 噸二氧化碳當量	6.92
W	/astes 廢棄物	
Total hazardous wastes 有害廢棄物總量	tonnes 噸	77.00
- Intensity of hazardous wastes <sup>3</sup> 有害廢棄物密度 <sup>3</sup>	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 <sup>3</sup> 無害廢棄物密度 <sup>3</sup>	kilograms千克	10.05

	2019 Core Enviro 2019 年現
Index 指標	
Consumption of resou 資源使用	urces
Total energy consum 能源消耗總量	ption
- Total direct energ 直接能源消耗總量	
- Total indirect ene consumption 間接能源(外購電)	ergy (purchased electricity) 力)消耗總量
Intensity of energy co 能源耗量密度 <sup>3</sup>	onsumption <sup>3</sup>
Total water consump 總用水量	tion
- Intensity of water 耗水密度 <sup>3</sup>	<sup>•</sup> consumption <sup>3</sup>

#### Notes:

- (1) Greenhouse gas emissions data = Direct emissions emissions – CO<sub>2</sub> removals from newly planted trees
- (2) Indirect emissions of greenhouse gas is calculated base emission coefficient set out in the China Power 2019 (《 +業年度發展報告2019》)
- (3) Emission intensity, energy consumption intensity an consumption intensity are calculated by emission/con per million kWh of electricity

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ental Performance 6核心指標					
Unit 單位	Performance during the Reporting Period 報告期內表現				
kWh 千瓦時	13,732,006				
kWh 千瓦時	538,991				
kWh千瓦時	13,193,015				
kWh千瓦時	8,558				
cubic meters 立方米	7,065				
cubic meters 立方米	4.40				

備註:

+ Indirect	(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
sed on the		的二氧化碳減排量
中國電力行	(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
and water		2019》的排放係數計算
nsumption	(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 緣色、高效、安全電站運營 Environmental-friendly solar farms

As a pure solar power producer and solar farm operation and 作為純太陽能發電企業及太陽能電站運維 maintenance service provider, the Group highly concerns the 服務供應商,本集團高度關注在電站日常 impact arose from the daily operation of solar farms on the 經營對生態環境的影響。因此,本集團積 ecological environment. Therefore, the Group actively explores 極探索與原生環境和諧共存的環境友好型 an environmental-friendly solar farm model that coexists 電站模式,並於日常運營中採取合宜的措 harmoniously with the primal environment, takes appropriate 施有效管理大氣污染物、溫室氣體、廢棄 measures in daily operations to effectively manage the emission 物的排放,並做到高效合理使用能源及水 of air pollutants, greenhouse gases and wastes, and ensures the 資源,實現真正的綠色高效運營。 efficient and reasonable use of energy and water resources to put green and efficient operation in practice.

## 環境友好型電站



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 農光互補電站是在不改變原有土地性質 for both PV power generation and agricultural planting based 及地形地貌基礎上,因地制宜,將光伏 on local conditions without changing the original nature and 發電與農業種植相結合,進行「板下種 topography of the land, and grows plants under solar panels 植」, 實現空間的合理分配, 實現有限 to achieve a reasonable allocation of space and maximize 資源的最大化利用:不誤發電效益、不 the use of limited resources, where the efficiency of power 誤農業生產、不誤土地利用。農光互補 generation, agricultural production and land use are all not 電站不僅可提供綠色電力優化當地能源 affected. Through producing renewable energy, Agricultural- 結構,同時具備良好的經濟效益。 PV model helps optimizing the local energy mix with substantial economic benefits.

When selecting the crops for planting under solar panels, 本集團選擇板下種植的作物時會充分考 the Group will take full consideration of the cash crops in 慮電站所在地的特色經濟作物,如孝昌 the place where the solar farm is located. For example, the 光伏電站種植金絲皇菊、紫甘藍,紅安 Group plants golden chrysanthemums and purple cabbages in 光伏電站種植無花果。 Xiaochang Solar Farm, and figs in Hong'an Solar Farm.

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 漁光互補電站巧妙地結合光伏和漁業兩 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 發電,水下養殖」,不僅可充分利用水 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 用,有效抑制藻類過度生長,具有淨化 at water surface by blocking the sunlight, thereby effectively 水質、改善富營養化水體的效果。 inhibiting the overgrowth of algae, purifying water quality and improving eutrophication.

#### 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

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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 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

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 經年累月的煤炭開採導致大面積的地表 subside, forming subsidence areas, where the ecological 沉陷,形成沉陷區,區域內生態環境被 environment has been severely damaged. Due to the severe 嚴重破壞。由於植被、水源、耕地資源 damage to vegetation, water resources and arable land 的嚴重受損,當地居民的生活受到極大 resources, the life of local residents have been significantly 影響。 affected.

As part of the Top Runner Program, the Huainan Solar Farm 信義能源淮南光伏電站項目為領跑者計 project of Xinyi Energy was built on the idle water surface of the coal mining subsidence area in Liugang Town and 集望峰崗鎮劉崗鎮採煤塌陷區的閑置水 Wangfenggang Town, Xiejiaji District, Huainan City, Anhui 面上。淮南項目是利用漂浮式光伏電站 Province. The Huainan project is a successful case for 建設實現廢礦塌陷區治理的成功案例, constructing floating solar farm to achieve the improvement 不僅通過發電創收貢獻税收,同時透過 of waste mining subsidence area. It does not only make tax 有效治理實現生態環境修復。 contributions by deriving revenue through power generation, but also restores the environment through effective governance.

劃光伏項目,建設於安徽省淮南市謝家

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, 太陽能電站可為社會提供綠色潔淨的電 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.



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綠色高效電站運維

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。

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

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

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 limpact 度考習       Operating activities that genate messions/involve resource consumption 差球核 / PSZ gi 源 消耗的建築活動       Goverance measures 劳活能         Operating activities that genate 度本体放 / PSZ gi 源 消耗的建築活動       Operating activities that genate 度法 (A) / PSZ gi 源 消耗的建築活動       Goverance measures 安治形能         Operating activities that genate 度本体放 / PSZ gi 源 消耗的建築合成       Implementing centralized electronic census of vehicles in daily operating census of census of vehicles in daily operating census of vehicles at solar farms, accurate identification of areas involving operatial risks, more reasonable allocation of on- site vehicles at solar farms, and efficient use of energy conservation and environmental protection, and guiding the staft Ito conservation and environmental protecting, and guideng the staft Ito conservation and environmental protecting and guideng the staft Ito conservation and environmental polar per central applaneces or lighting, etc celeforting of Ide electrical applaneces or lighting, etc celeforting of the detrical applaneces or lighting, etc celeforting etc celeforting of act celeforting of Ide electrical applaneces or lighting, etc celeforting of act celeforting etc celeforting etc	follows:		
<ul> <li>Direct emission arising from the use of vehicles in daily operation DI 常經營使用車幅產生的直接排</li> <li>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</li> <li>mix main 24-hour operation of the solar farms and domestic consumption by staff, which indirectly generate greenhouse gases</li> <li>mix main pathick me subp 2-y-With with minding the subp 2-y-With me subp 2-y-With with the subp 2-y-With me subp 2-y-W</li></ul>	環境影響 Pollutant emissions	emissions/involve resource consumption	
	CO2 Greenhouse gas emissions	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	<ul> <li>remote monitoring through a centralized operation management platform, to enable precaution alarm, accurate identification of areas involving potential risks, more reasonable allocation of onsite vehicles at solar farms, and efficient use of energy</li> <li>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</li> <li>✓ 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</li> </ul>

環境影響

Environmental impacts Operating activities that generate

產生排放/涉及資源消耗的運營活動

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Governance measures emissions/involve resource consumption 管治措施

us wastes generated	$\checkmark$	Strictly complying with the laws and
ly operation		regulations on the treatment of hazardous
ance of solar		materials such as the Law of the People's
y include disused		Republic of China on the Prevention and
disused circuit		Control of Environmental Pollution by
tion boxes, waste		Solid Waste 《中華人民共和國固體廢物
oatteries, toner		污染環境防治法》) and the Standard for
nk cartridges, etc.		Pollution Control on Hazardous Waste
養產生的主要有害廢棄		Storage (GB18597-2001) (《危險廢物貯存污
1件、廢舊線路板、接		染控制標準 (GB18597-2001) 》), to entrust
廢棄電池、碳粉匣、		qualified agencies for disposal and is
		under the supervision of local regulatory
ous wastes mainly		authorities
estic garbage, waste		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
E要包括生活垃圾、廢		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
	$\checkmark$	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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環境影響

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



#### $\checkmark$ 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 $\checkmark$ Promoting the awareness of paperless

Governance measures

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



• 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 Operating activities that generate 環境影響 emissions/involve resource consumption 產生排放/涉及資源消耗的運營活動

•

## Resource consumption 資源消耗

Water consumption 水資源消耗

Mostly the water consumed in office buildings at solar farms a by staff in daily life 主要為電站辦公樓及員工生活用

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Governance measures 管治措施

	$\checkmark$	Cleaning modules with environmental-
and		friendly method (waterless or with
		natural water), to effectively reduce
7水		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
	$\checkmark$	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 本集團將光伏發電技術與物聯網、大數 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 功率智能調控系統(AGC/AVC)等主要設備 power control system (AGC/AVC) at each solar farm, to the /系統與位於安徽蕪湖的運維集控中心相 centralized operation and maintenance control center in 連,實時採集及傳送太陽能電站的運營數 Wuhu, Anhui. It collects and transmits the operation data at the solar farm in real time through intelligent monitoring 分析,及時識別潛在的風險、更準確地進 and communication equipment, and facilitates the operation and maintenance personnel at the centralized operation and 智能運維一改傳統被動、粗放的運維模 maintenance control center to analyze, timely identify potential 式,並有效解決人工運維存在人員編製及 risks and troubleshoot more accurately, thereby improving the efficiency of offline operation and maintenance. Intelligent 運營的基礎上有效提高發電量。 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

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 據,以方便運維集控中心的運維人員進行 行故障診斷,從而提高線下運維的效率。 信息傳遞滯後性的問題,在保障電站穩定

Centralized Operation Management Platform of Solar Farm 電站集中運營管理平台



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.



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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 一个事故,保障電站安全運行及電力供應穩 ensuring the safe operation of power plants and stable power supply are the issues that governments, society, customers 發電企業最為關注的議題,對企業的經營 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 規定》的要求,本集團已制訂《安全管理制 和國安全生產法》, the Regulations on the Standardization of Safety Production for Photovoltaic Power Generation Enterprises 「一崗一責制」,落實全員安全生產職責, (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:○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月深遠的影響。因 此,規範進行安全管理,防範各類電力安 定,是政府、社會及客戶等多方持份者對 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 度》, 並已建立安全生產監管體系, 實行 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。

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#### 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.



信義能源安全生產管理架構



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#### 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

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#### Safety production management system

#### a. Management and control of systematic risks

The Operation and Maintenance Department is the core business 運維部為本集團核心業務部門,因此亦是 department of the Group, thus the core department for the 執行安全生產計劃的核心部門。本集團的 implementation of the safety production plan. The Group's safety 安全生產工作分為常規的系統風險管控及 production work is divided into two parts: regular management and 突發事件應對兩部分。針對系統風險管 control of systematic risks, and emergency response. With regard 控,本集團對安全教育、安全管理、安全 to management and control of systemic risks, the Group has 檢查及監管等工作均已建立標準化程序, established standardized procedures for safety education, safety management, safety inspection and supervision, etc., with regular 並建立獎懲制度形成正向激勵。 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

通過嚴謹的考核制度進行定期評估審核,



## Safety inspection and supervision 安全檢查及監管

- Hidden Danger Investigation and Treatment (《安全生產檢查及隱患排查治理 答理制度》
- 為規範各電站落實安全生產工作,防範電力安全事故及其他安全事故,本集 團制定《安全生產檢查及隱患排查治理管理制度》
- 曲 剛化 (父王王臣依望及陽志が登山) 日日 日本的な The Operation and Maintenance Department is responsible for formulating different forms of safety inspection plans. The person-in-charge of the solar farms shall follow up on the rectification of the identified hidden dangers within the allowed time frame, while the Operation and Maintenance Department shall re-examine the hidden dangers, subject to the internal supervision of the SOE Committee. We also accept external supervision of the safety regulator of the place where the solar farms is located by regularly reporting the investigation and management of hidden dangers 由運維部負責制定不同形式的安全檢查計劃、針對識別的隱患由電站負責人
- Safety inspection includes daily hidden danger investigation, regular hidden danger investigation, seasonal hidden danger investigation, professional hiden danger investigation, equipment hiden danger investigation, etc. 安全檢查包括日常隱患排查、定期隱患排查、季節性隱患排查、專業性隱患 排查、設備隱患排查等

#### Regular safety inspection arrangements 常規安全檢查安排

- 1 Staff on-duty conducts inspections of equipment and PV array for three times each shift, and submits text records and report to senior 輪值人員對設備及電站方陣進行每班3次的巡檢,並形成文字記錄及 前下匯報
- Each solar farm arranges monthly self-inspection based on the actual situation, including the environment of the solar farm, equipment conditions, operation management, fire prevention facilities, etc. 每個電站根據實際情況安排月度自檢,包括電站環境、設備狀況、操 作管理、防火設施等 The Operation and Maintenance Department organizes comprehensive
- safety inspections on a quarterly basis, in which inspections are performed on the environment of the solar farm, equipment conditions, operation management, fire prevention facilities, etc. 每季度由運維部組織綜合安全檢查,檢查內容包括電站環境、設備狀
- 母学及田理維部組織綜合女生微量, 微量闪谷包括电站境境、設備状 况、操作管理, 防火設施等 According to different seasons and extreme climate, the person-in-charge of the solar farm shall conduct safety inspections with emphasis on lighting protection/flood protection/heatstroke prevention/fire prevention/freeze prevention, such as safety inspections
- prevention/me prevention/me prevention, such as safety inspections for rainy seasons and wind seasons, etc. 根據不同季節及特殊氣候,由電站負責人進行防雷/防洪/防暑/防 火/防凍為重點的安全檢查,如雨季安全檢查,風季安全檢查等, Pre-holiday inspections are conducted on the eve of holidays and organized by relevant departments, mainly including security measures for baladway or de factivale. 1
- for holidays and festivals, etc. 節假日前夕進行節前檢查,由相關部門組織,主要包括節假日的安全 保衛措施等
- 保衛措施等 Professional safety inspections are conducted at least once a year on electrical equipment, fire prevention facilities, and natural disaster hazard spots around the solar farm 引對軍氧混結, 消防設施,電站周圍自然災害危險點等進行每年至少 一次的專業性安全檢查

The Group understands the importance of strict compliance 本集團深諳嚴格按照安全生產規程、制 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.

#### Safety assessment with incentives and penalties 安全考核及獎勵

- Strictly implement the Safety Production KPI Assessment and Management System (《安全生產目標考核管理制度》) and evaluate the annual work targets every year to ensure the effective implementation of safety production responsibilities 嚴格執行《安全生產目標考核管理制度》,每年均對年度工作目 標進行考核,確保安全生產職責的有效落實
- The safety responsibility assessment adopts a scoring system. The indicators of which include the number of various types of accidents, the number of casualties, the implementation schedule and completion of safety work, and the participation level in safety training, etc., which are conducted on an annual basis. Annual appraisal scores serve as important references for internal promotion, job title assessment, rewards and penalties 安全責任考核採取打分制,指標包括各類事故數量、傷亡人數、安 全工作的日程執行及目標完成情況、安全培訓參與度等,按年度進 行。年度考核分數作為內部晉升、職稱評定、獎懲的重要參考
- · Assessment process and determination of reward and penalty measures are subject to the supervision of the SOE Committee 考核流程及獎懲措施的確定受安職環委員會的監管

 Safety education is an important and necessary means for the Group to build a safety culture and strengthen employees' safety awareness. Therefore, the Group highly values safety training. In accordance with the Safety Education and Training Management Svstem (《安全教育培訓管理制度》), the SOE Committee Office/functional departments shall arrange safety training. Through the combination of regular training and department-specific training, the Group ensures that each employee can clearly understand the potential risks of the position, possess the safety skills required for the position, establish the awareness of safety and standardized operation, and continuously strengthen the awareness through hands-on training 安全教育是本集團進行安全文化建設,強化員工安全意識的重要 且必要的渠道。因此,本集團高度重視安全培訓,根據《安全教 育培訓管理制度》由安委辦/職能部門安排安全培訓,通過集團 定期常規培訓及部門專題培訓相結合,確保每一位員工均能清楚 了解所在崗位的風險隱患,具備崗位要求的安全技能,建立安全 及規範操作的意識,並通過崗位上的實際操作培訓不斷強化 Strictly implement the three-levels safety education and strictly prohibit personnel without safety education and personnel without certificates to participate daily operation and maintenance 嚴格執行三級安全教育,嚴禁未經安全教育人員上崗操作和無證

人員上崗作業

• During the Reporting Period, the Group organized 132 safety training sessions, with a total training hours of 2,596 hours, for 1.606 participants

報告期內,本集團共組織132次安全培訓,共計2,596小時,受訓 人員達1.606人次

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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。

#### Emergency response b.

According to the requirements of the Measures for the 根據《生產安全事故應急預案管理辦法》 Administration of Contingency Plans for Work Safety Accidents (國家安監總局令第88號)和《電力企業應 (Order No. 88 of the State Administration of Work Safety) (《生 急預案管理辦法》(國能安全[2014]508號) 產安全事故應急預案管理辦法》(國家安監總局令第88號)) and 規定,本集團訂立《應急管理制度》以規範 the Measures for the Administration of Contingency Plans for 各類突發事件的應急管理工作,確保本集 Electric Power Enterprises (Guo Neng An Quan [2014] No. 508) 團可以採取有效措施預防及應對突發事件 (《電力企業應急預案管理辦法》(國能安全[2014]508號)), the 和緊急情況,將突發事件對本集團員工及 Group has established the Emergency Management System 經營的影響降至最低。 (《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 本集團應急管理制度實行分崗、分級、動 principles of post and grade division and dynamic management. 態管理的原則,由運維部負責統籌執行集 The Operation and Maintenance Department is responsible for 團內既定的各類應急預案,包括針對綜合 coordinating the implementation of various emergency plans 性工作的綜合應急預案、針對單一事件 established within the Group, including contingency plans for /重要電力設施/重大活動的專項應急預 the Group's overall operation, specific contingency plans for 案,以及針對具體突發事件的現場處置方 individual events/important power facilities/major activities, and 案。 on-site execution plans for specific emergencies.

Safety accidents that are more likely to occur in daily operation 太陽能電站日常運維中發生的可能性較高 and maintenance of solar farms include electric shock, fire, 的安全事故,包括觸電、火災、淹溺、高 drowning, falling from heights, and heatstroke. During the 處墜落、高溫中暑等。報告期內,本集團 Reporting Period, the Group carried out 6 emergency drills 面向所有電站開展了高處墜落、淹溺、火 for all solar farms against falling from heights, drowning, fire, 災、高溫中暑、全站停電事故和網絡安全 heatstroke, power outage across the solar farms, and network 等6次應急演練。針對電力行業中最常見 security. In response to the most common accident in the power 的事故--觸電事故,本集團於集團總部 industry, the electric shock accident, the Group organized a 及所持有的全部電站內合共組織28次觸 total of 28 electric shock prevention training sessions at the 電事故預防培訓。 headquarters and all its solar farms.

Since the power plants held by the Group are all utility-scale 由於本集團所持有的電站均為大型集中式 solar farms, it is inevitable that they will be affected by natural 太陽能電站,在運營週期內難以避免會受 disasters such as strong winds, rain and snow, floods, lightning 到大風、雨雪、洪水、雷電、山體滑坡等 and landslides during the operation cycle. Regarding different 自然災害的影響。針對不同電站類型及主 types of solar farms and the types of natural disasters that 要產生影響的自然災害類型,我們已對應 they may be affected by, we have taken effective measures 採取有效措施,加強電站應對自然災害的 to strengthen the solar farms' ability in coping with natural 能力,如增設擋風牆阻擋大風,架設避雷 disasters, such as installing additional windshields to block 針或鋪設接地裝置預防雷擊,增加漂浮電 strong winds, erecting lightning rods or laying grounding 站的排洪設施,加固防洪堤壩等。就各類 devices to prevent lightning strikes, increasing flood drainage 常見自然災害,本集團已制定相應的應急

#### b. 突發事件應對

facilities at floating solar farms and reinforcing flood control 預案,定期組織應急演練及培訓,加強員 dikes. For various types of common natural disasters, the Group has formulated corresponding contingency plans. regularly 能力。 organized emergency drills and training to strengthen staff's safety awareness and improve their emergency response capabilities.

#### **Risk identification** 固隘識別



#### Review and enhancement 檢視及改善

• According to requirements of the Guidance on Emergency Response Drilling for Flectric Power Emergencies (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 定期檢討並按實際雲求對雁作出修訂

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工安全意識以及提升員工的突發事件應對

#### Preparation for the plan

#### 辐索编制

- 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

#### 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 commence 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,運維部統籌各雷站開展應急預案的言傳教育,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 /配借

#### Occupational health management

The Group adheres to the idea of "safety first", stresses the 本集團堅守[安全至上]的理念,關注及重 occupational safety of our employees, and is committed to providing the staff with a safer working environment. In 個更安全的工作環境。根據《中華人民共 accordance with the requirements of the Law of the People's 和國職業病防治法》、《工作場所職業衛生 Republic of China on the Prevention and Control of Occupational 監督管理規定》(國家安全監管總局令第 Diseases (《中華人民共和國職業病防治法》) and the Provisions 47號)的相關規定,本集團制定了《職業 on the Supervision and Administration of Occupational Health 健康管理制度》,並通過分級管理、責任 at Work Sites (Order No. 47 of the State Administration of 到崗的執行及監管機制確保全員參與,努 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

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#### 職業健康管理

視員工的職業安全,並致力為員工提供一 力預防及消除職業病對員工健康的影響。

pational diseases on staff's health. ccupational health management s 號業健康管理體系	system	
Enhance our occupational health management, establish and improve the mechanism binding the staff with incentives and penalties. 加大職業健康管理力度, 建立及完善獎懲約束機制 Provide heatstroke prevention/cold protection equipment for different seasons, and provide flexible outdoor working hours 針對不同季節, 提供防暑降温/防寒保暖用品, 並畫活調整戶外作業時長 Continuously improve the living, working, and environmental hygiene in the solar farms 持續優化電站生活,工作及衛生環境	Comprehensive occupational health care 全面的職業健康關懷	
Stipulate clear responsibilities for staff in different posts and departments, conduct seasonal occupational health evaluation, eliminate occupational health hazards promptly, and comply with the local occupational health regulatory authorities' supervision requirements 針對不同部門,不同崗位的員工明令規定其職業健康相關職責, 每季度進行職業衛生監管部門的監管	Implementation of occupational health management with the "one post, one responsibility" (「一崗一責」) system 「一崗一責」制度 落實職業健康管理工作	
Each solar farm carries out its work in an orderly manner, reports regularly, and is subject to supervision to ensure that employees are equipped with sufficient labor protection supplies with clear hazard labels, and are under management in strict accordance with the Hazard Control System (《危險源管理制度》) 各電站落實執行、定期匯報,並接受監管,保障員工配備充足的 勞保用品,危險源標識青晰,並嚴格按照《危險源管理制度》實 施管理	Management of occupational hazard prevention facilities and labor safety equipment 職業危險防護設施和 勞動保護用品管理	
Through systematic education on prevention and control of occupational hazards, promotion and education on occupational health, regular occupational health training is arranged for employees to better understand potential occupational health hazards 通過進行系統的職業病危害防治教育、職業僅宜在宣傳教育,定期安 排職業衛生培訓讓員工更了解潛在的職業健康危害因素 Enhance the awareness of prevention and control 提升防控意識和相關知識,主動防控	Occupational health education and training 職業健康教育與培訓	
Provide pre-employment medical check, occupational health examinations and annual health examination, and establish personal occupational health monitoring records for employees 提供入職體檢、職業病健康體檢、年度健康體檢,並為員工建立個 人職業健康監護檔案	Regular medical check-ups 定期體檢	THE REALE

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#### 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 本集團亦設有專職人員及建立有效的溝通 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.

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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、百轄市),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。

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 氣候變化是我們時代的決定性問題,而現 defining moment to do something about it. There is still time to tackle climate change, but it will require an unprecedented 刻。雖然我們仍有時間應對氣候變化,但 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 我們應對氣候變化的關鍵一年。如果我們 Celsius, we need to demonstrate, starting this year. I count on 要將全球變暖限制在1.5攝氏度以內,就 all nations and stakeholders to lead the wav 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 無獨有偶,世界經濟論壇(World 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 對本集團的業務發展具有深刻的意義,是 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 業化管理提高運維效率繼而提高單個電站 economy will definitely create enormous market for PV power 的發電效益,同時通過重質量的規模增長 generation, and it has become the future direction of the Group to improve the efficiency in operation and maintenance through 更多的綠色能源,成為本集團未來發展的 professional management and improve the power generation 方向。 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

在我們正處於一個採取行動的決定性時 這需要社會各界的空前努力。2020年是 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)

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」 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 實現總售電規模的穩步提升,為社會提供

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.



- Improve operational efficiency through intelligent operation and maintenance, and thereby reducing the impact o extreme weather on power g 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 safet inspections on wind, fire and flood prevention are perform 在極端天氣高發的季節・有針對性地組織防風、防火、防 洪等為重點的安全檢查

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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 long-term climate change and

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 caus

温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,高溫天氣下戶夕

- Fire is triggered easily in high temperatur 高溫天氣容易引發火災
- High temperature leads to a significant increase i

- Targeted safety inspections are carried out in summer t ensure the implementation of summer cooling measures 夏季開展針對性的安全檢查,確保防暑降溫措施、防火措
- 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 preventio

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、配置防暑降温物品和保健品

The Group has not been aware of any significant risks in 就政策、技術、市場、聲譽方面因氣候變 the possible changes in policies, technologies, markets and 化可能產生的轉變,本集團經過分析評估 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 目有效的途徑,因此,政策預期將繼續向 way to deal with climate change, therefore, policies likely 可再生能源傾斜,推動可再生能源的應用 to lean towards renewable energy, promote the application 及保障對可再生能源的消納。技術方面, of renewable energy and guarantee the consumption of renewable energy. In terms of technologies, decentralized and loose traditional operation and maintenance is expected to 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 再生能源的重要性和急迫性得到廣泛的認 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 效。本集團作為100%可再生能源發電企 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 持份者對環保績效的重視將令本集團的業 change has made all stakeholders increasing concerned about 務及品牌價值得到更廣泛的認可和提升。 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.

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 預期由分散、粗放的傳統運維向集中、高 效的智能運維轉型。本集因早著先機, 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** 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 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

#### 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 員工是我們強大的後盾,亦是企業長遠發 long-term development of the Company as well. They are the 展最寶貴的財富,更是信義能源大家庭的 important members of Xinyi Energy's family. Therefore, the 重要成員,因此本集團提出[CARE]人才 Group introduces the talent management philosophy of "CARE", 管理理念:合法合規、人才吸引與保留、 which refers to "Compliance with Laws & Rules", "Attractive 尊重與平等、培訓與共同成長。 Remuneration & Talent Retention", "Respect & Equality" and "Education & Grow with Xinyi Energy".

#### 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 gulatory 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

- eration 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
- 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

#### CARE FOR AND GROWTH WITH TALENTS 人才關懷與共同成長

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#### 「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,並鋭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。

### 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
- 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





Education & Grow with Xinyi Energy 培訓與共同成長

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

#### **Employee Performance in 2019**

2019年僱傭表現

		Number of employees <sup>1</sup> (As at 31 December 2019) 員工人數 <sup>1</sup> (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	一安徽省	160	69.0%	30	18.8%
– Hubei Province	一湖北省	37	15.9%	7	18.9%
– Henan Province	一河南省	12	5.2%	0	0.0%
– Fujian Province	一福建省	10	4.3%	0	0.0%
– Tianjin Municipality	一天津市	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 本集團嚴格遵守《中華人民共和國勞動 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 用童工規定》(國務院令第364號)、《中華 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 本集團藉與員工簽訂《勞工合同》確認僱 Labor Contracts with employees, sets out the terms of salary, 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, benefits, training mechanism and labor safety, to ensure that employees' rights are protected by law, while imposing 確保員工的權益受到法律保障,同時通過 reasonable restrictions through non-competition, confidentiality 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。 and termination to protect the Group's own rights and interests.

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### 勞工合規

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 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。





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 等技術人才為骨幹。企業性質使然,對本 personnel such as electrical engineers and electrical technicians 集團而言,對比勞工成本,員工的專業知 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 童工問題外,本集團對強迫勞動以及僱傭 its past operation. In addition to the attention on child labor. 中出現的一切歧視和不平等現象堅決採取 the Group resolutely adopts a zero-tolerance policy towards 零容忍的態度,在加強內部監管從源頭杜 forced labor and all signs of discrimination and inequality in 絕相關問題的基礎上,接受當地人力資源 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 未出現強制勞動的情況。 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 亦是我們不變的追求。因此,本集團通過 remuneration, diversified benefits and an equal and inclusive 具有競爭力的薪酬、多元化的福利待遇、 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%.

## 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與謀福祉 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%。

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

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

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



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.









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#### 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 本集團作為電力行業一份子,由於其行業 in, the majority of frontline workers of the Group is male. In 屬性使然, 一線作業人員主要以男性為 addition, due to the flat management structure of the Group, 主。此外,因本集團實行扁平化管理,員 nearly 82% of the staff are frontline workers, resulting in a low 工中有接近82%屬於一線作業人員,引致 proportion of female staff in the total number of staff. However, 女性員工佔員工總數比例較低。但在本集 among the Board and staff working at the headquarters of the 團董事會及總部員工中,女性佔比分別達 Group, female staff account for a proportion of 25% and 52%, 至25%及52%。儘管從人數上女性員工屬 respectively. Although the female staff is a minority group in 於少數群體,但本集團從內部制度、監管 terms of number, the Group pays extra attention to internal 程序等方面著手,確保女性員工在日常工 systems and regulatory procedures to ensure that female staff 作及僱傭的各個範疇得到平等權利及公平 enjoys equal rights and fair treatment in all areas of daily work 對待。我們亦充分理解和尊重女性員工的 and employment. We also fully understand and respect the 特殊性,嚴格按照《中華人民共和國女職 particularity of female staff, and strictly abide by the Labor 工勞動保護規定》(國務院令第9號)、《中 Protection Regulations of the People's Republic of China for 華人民共和國婦女權益保障法》的規定, Female Employees (State Council Order No. 9) 《中華人民共和 對女性員工在婚、孕、育等特殊時期給予 國女職工勞動保護規定》(國務院令第9號)) and the Law of the 特殊的保護及保障其相關的福利待遇。 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 本集團的薪酬福利制度於業務所在地區具 competitive in the region where its business is located in. 有相當的市場競爭力,因此對本集團吸引 generates a positive impact on the Group's ability to attract and 及保留人才產生積極影響,亦受到在職員 retain talents, and is well recognized by the staff in service.

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 longterm 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 全生產及員工健康保障相關工作。有關安 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 康。 physical and mental health in addition to the protection and labor safety.

In addition to arranging pre-employment medical check and 除依照法律規定安排入職體檢、職業健康 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 工作環境, 令員工可安心、愉悦、高效率 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.





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#### 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

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 地工作。

CARE FOR AND GROWTH WITH TALENTS 人才關懷與共同成長

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

Besides work, the Group encourages its staff to maintain work- 在工作以外,本集團亦鼓勵員工保持工作 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 充分休息外,亦積極舉辦各類不同的活動 also actively organizes various activities to enrich staff's leisure 豐富員工的工餘生活,為員工提供放鬆心 time, providing them with a platform to relax and relieve work pressure. Meanwhile, these activities can help to strengthen the 活動加強員工、部門間的溝通交流,從而 communication between staff and departments, so as to build a more harmonious, close and tacit workforce. Since the Group's 本集團的太陽能電站項目遍佈全國多個省 solar farm projects are located in different provinces and cities 市,加上一般為遠離市區的偏遠地區,因 across the country that are generally remote areas, the Group 此,本集團特別設立了新能源分會,定期 has set up a new energy branch union to regularly organize activities among local staff.

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 情、舒緩工作壓力的平台;同時亦可藉助 建立更融洽、緊密和有默契的團隊。由於 組織當地員工的交流活動。



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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 anticorruption, 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-iob 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



#### CARE FOR AND GROWTH WITH TALENTS 人才關懷與共同成長

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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 针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 報告期內,本集團合共為員工提供12,206 hours of training for the staff, with 4,388 participants trained 小時的培訓,累計培訓員工4,388人次, in accumulation. The average training hours per employee was 每名員工參加培訓的平均時數為52.6小 52.6 hours, with full training coverage for our staff. In line with 時,培訓覆蓋率100%。與培訓機制相配 the training program, the Group has formulated corresponding 合,本集團針對不同類型培訓的特點制定 assessment mechanisms with regards to different types 相應的考核機制,確保員工已掌握相應的 of trainings to ensure that our staff are equipped with the 知識及技巧,以滿足其崗位及自我提升的 corresponding knowledge and skills to meet their job and selfimprovement needs.

需求。

For the professional skills training of our staff, the Group mainly focuses on internalized advantage theory and on-thejob 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.

## ᡏᠽᢋ

## 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.

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。

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.

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。





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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%。

The staff training of the Group is made mainly based on the 本集團的員工培訓安排主要基於崗位需求 comprehensive consideration of scope of work and individual 及個人需求的綜合考慮。報告期內,男性 needs. During the Reporting Period, the average number of training hours for male staff was more than that for female 員工有關職業技能、安全生產相關的培訓 staff, mainly due to the fact that the frontline workers received 較中後台崗位的員工更多,而一線作業員 more training sessions on vocational skills and safety production 工又中以男性員工為主所致。 than the staff holding posts in the middle and back office, and the frontline workers were mainly male staff.

員工平均受訓時數較多主要由於一線作業

#### Equal opportunities and staff development

The Group adheres to the strategy of talent diversification, 本集團堅持人才多元化的戰略,重視員工 attaches importance to the career development of the staff, 的職業生涯發展, 鼓勵員工根據自身情況 and encourages the staff to choose a development path more 選擇更適合自己的發展道路。與此同時協 suitable to them based on their own circumstances. At the same 助在崗員工通過培訓及日常工作更全面了 time, the Group assists the existing employees to understand 解自己,包括其特長、技能、興趣等,並 themselves more comprehensively through training and daily 提供不同的發展途徑及指導員工規劃職業 work, including their strengths, skills, interests, etc., and 生涯發展, 不遺餘力引導員工提高自我認 provides different development paths for them and quide them 可度、工作滿足感及實現工作理想。員工 to plan their career. The Group also spares no effort to lead the 對自身職業發展的滿意是建立及提升企業 staff towards their self-recognition, job satisfaction and career 認同感、構建和諧高效團隊的關鍵。 goals. Staff's satisfaction with their professional development is the key to establishing and enhancing corporate identity and building a cohesive and efficient team.

#### 平等機會與員工發展



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.





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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 企業文化董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 wellestablished solar power generation enterprise and solar farm 商,通過高效運維提高全社會可再生能源 operator, it is our responsibility to increase the supply capacity of 供應能力,以推動可再生能源成為人人可 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 上,本集團亦冀望藉自身不懈的努力,積 preferred by everyone. On this basis, the Group will continue to 極推廣光伏發電, 令更多的群體認可可再 carry out its responsibilities in promoting PV power generation, so 生能源並受益於其發展。 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 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



## 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/municipallevel 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.





3 AND WELFERS 4 COULTY

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 本集團將「善待天下」的核心價值觀內化於 its daily operations. Since a solar farm has a long operating period with close ties to the economy, environment and wellbeing 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 consistantly 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".

#### A CORPORATE CITIZEN KIND TO ALL AND FULLY RESPONSIBLE 善待天下,全面履責的企業公民

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## 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 增加税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,貢獻税收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 在專注範疇持續的投入,推動自身的業務 responsibility of continuous investment in the focus area to 發展的同時惠及更多人, 令業務所在社區 promote the development of its own business while benefiting 更美好,是本集團認同並堅持的社會責任 more people, and make the community where the business is 理念。 operated better.



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



The Group actively improves the surrounding environment 本集團通過植樹造林等方式主動優化電 of solar farms through methods such as afforestation, and 站周邊環境,並注重在運維過程中對周 stresses the protection of the surrounding environment during 圍環境的保護,以更清潔的方式實現高 the operation and maintenance process to achieve efficient 效運維。 operation and maintenance in a eco-friendly manner.

Fanchang project, located in Wuhu City, Anhui Province 繁昌項目位於安徽省蕪湖市,裝機規模 with an installed capacity of 60MW, is a typical fishing light 60兆瓦,為典型的漁光互補電站,充分 complementary solar farm, which makes full use of water 利用了水域空間,並通過小龍蝦養殖提 space and improves the additional value of the solar farm 高電站的附加價值。此外,還將周圍未 through crayfish breeding. In addition, we have also converted 利用黃土荒坡改建為公園,增加綠植覆 the surrounding unused obsolete slopes into parks to increase 蓋率,極大改善了周邊生態環境。 the green coverage and greatly improve the surrounding ecological environment.



In addition, during the Reporting Period, the Group also 此外,報告期內,本集團亦積極參與當地 actively participated in charitable activities organized by 或國際慈善機構舉辦的公益慈善活動,身 local or international charities, and took parts to care for the 體力行關懷弱勢群體,如香港公益金舉辦 disadvantaged groups, such as "WEAR TO GO" organized by The 的「衣善而行」公益金便服日、奧比斯舉辦 Community Chest of Hong Kong and Orbis's Blindfold Lunch 的「食走黑暗」蒙眼午餐活動等。 Campaign, etc.

Looking forward, the Group will continuously fulfill its corporate 展望未來,本集團將繼續在推廣可再生能 social responsibilities in promoting renewable energy, caring 源、關懷及幫扶弱勢群體、保護生態環 for and helping disadvantaged groups, protecting ecological 境、改善當地居民福祉等方面主動履行企 environment, and improving the well-being of local residents, 業社會責任,以促進社會共榮發展。 so as to promote the mutual prosperity and development of the society

## 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

A: Environmental A:環境

Aspect A1:Emissions 層面A1:排放物

General Disclosure: Relating to air and greenhouse ga emissions, discharges into water and land, and generation 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

- (b) information on the compliance with relevant laws an 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。
- A1.1 The types of emissions and respective emissions data 排放物種類及相關排放數據。
- A1.2 Greenhouse gas emissions in total(in tonnes and, where appropriate, intensity (e.g. per unit o 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)。
- A1.3 Total hazardous waste produced(in tonnes) and where appropriate, intensity (e.g. per unit o 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)。
- A1.4 Total non-hazardous waste produced(in tonnes and, where appropriate, intensity (e.g. per unit o 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)。
- Description of measures to mitigate emissions an Δ15 results achieved. 描述减低排放量的措施及所得成果。
- A1.6 Description of how hazardous and non-hazardou wastes are handled, reduction initiatives and result 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。
- Note: (1) For material issues, please refer to the section he 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。

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Corresponding 對應重大議題1

Material Issues<sup>1</sup> Disclosure or Notes 披露位置或備註

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## APPENDIX: 2019 ESG REPORTING GUIDE CONTENT INDEX 附錄: 2019 年環境、社會及管治報告內容索引

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

	Areas, Aspects, General Disclosures and KPIs §、層面、一般披露及關鍵績效指標	Corresponding Material Issues <sup>1</sup> 對應重大議題 <sup>1</sup>	Disclosure or Notes 披露位置或備註
A: Envir A:環境	onmental		
	A2: Use of Resources : 資源使用		
includin	Disclosure: Policies on the efficient use of resources, g energy, water and other raw materials s: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。

· · ·	Areas, Aspects, General Disclosures and KPIs 檮、層面、一般披露及關鍵績效指標
A: Envi A:環境	ronmental
1 C 1	A2: Use of Resources :資源使用
A2.4	Description of whether there is any issue in source water that is fit for purpose, water efficien

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。

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Corresponding Material Issues<sup>1</sup> 對應重大議題<sup>1</sup>

Disclosure or Notes 披露位置或備註

cing —

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。

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	t Areas, Aspects, General Disclosures and KPIs 疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues <sup>1</sup> 對應重大議題 <sup>1</sup>	Disclosure or Notes 披露位置或備註
A: Envir A:環境	ronmental है		
	A2: Use of Resources :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。		The Group's core businesses o sales of electricity and provision of solar farm operation and management services to third parties do not involve the use o 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。
1 A A A A A A A A A A A A A A A A A A A	A3: The Environment and Natural Resources :環境及天然資源		
signific	al Disclosure: Policies on minimising the issuer's ant impact on the environment and natural resources 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		P10-15, P32-41
	管理有關影響的行動。		

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	ect Areas, Aspects, General Disclosures and KPIs 範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues <sup>1</sup> 對應重大議題 <sup>1</sup>	Disclosure or Notes 披露位置或備註
B: So B:社			
	ct B2: Health and Safety 32:健康與安全		
envir hazai	ral Disclosure: Relating to providing a safe working onment and protecting employees from occupational rds. 皮露:有關提供安全工作環境及保障僱員避免職業性危害		
(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
	ct B3: Development and Training 33:發展及培訓		
know Desc 一般打	ral Disclosure: Policies on improving employees' vledge and skills for discharging duties at work. ription of training activities. 皮露:有關提升僱員履行工作職責的知識和技能的政策。描 训活動。	G7	P61-64
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

	ect Areas, Aspects, General Disclosures and KPIs 範疇、層面、一般披露及關鍵績效指標	Corresponding Material Issues <sup>1</sup> 對應重大議題 <sup>1</sup>	Disclosure or Notes 披露位置或備註
B: So B:社			
	ct B4: Labor Standards B4:勞工準則		
labor	ral Disclosure: Relating to preventing child and forced r. 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	Р56

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B: Socia B:社會			
Operati 營運慣(	ng Practices 列		
	B5: Supply Chain Management :供應鏈管理		
social r	l Disclosure: Policies on managing environmental and isks of the supply chain. 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 fue 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. bika a size with the Group did not disclose the relevant matters in this Report. bika a size with the Group did not disclose the relevant matters in this Report. bika a size with the gea the gift and the the the the the fig and the the the the fig and the the the fig and the the the fig and the the the fig and the the the fig and the
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

	ct Areas, Aspects, General Disclosures and KPIs 範疇、層面、一般披露及關鍵績效指標	Material Issues <sup>1</sup> 對應重大議題 <sup>1</sup>	Disclosure or Nnotes 披露位置或備註
B: So B:社			
	ct B6: Product Responsibility 產品責任		
label servio 一般执	ral Disclosure: Relating to health and safety, advertising, ling and privacy matters relating to products and ces provided and methods of redress. 皮露:有關所提供產品和服務的健康與安全、廣告、標籤及 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 primal sold by the Group to customers, the major co

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。

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ry product external ncerns 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。

ct	Not applicable	The Group sells electricity and
	不適用	therefore does not involve product
攵		recalls.
		本集團銷售的為電力產品,因此不涉
		及產品回收。

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在專注範疇所動用資源(如金錢或時間)。

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 <sup>1</sup> Disclosure or Notes 對應重大議題 <sup>1</sup> 披露位置或備註		Subject Areas, Aspects, General Disclosures and KPIs	Corresponding Material Issues <sup>1</sup> 對應重大議題 <sup>1</sup>	└ Disclosure or Notes 披露位置或備註
B: Social B:社會			B: Social B:社會		
Aspect B6: Product Responsibility B6:產品責任			Aspect B7: Anti-corruption 層面 B7:反貪污		
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。	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。	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
			<ul> <li>(b) information on the compliance with relevant laws and regulations that have a significant impact on the issuer.</li> <li>遵守對發行人有重大影響的相關法律及規例的資料。</li> </ul>	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
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。	<b>B7.2</b> Description of preventive measures and whistle- blowing procedures, how they are implemented and monitored. 描述防範措施及舉報程序,以及相關執行及監察方法。	G3	P26
B6.4 Description of quality assurance process and recall		The Group sells electricity and	Community 社區		
procedures. 描述質量檢定過程及產品回收程序。		therefore does not involve product recalls. 本集團銷售的為電力產品,因此不涉	Aspect B8: Community Investment 層面 B8:社區投資		
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。		及產品回收。 P41	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。	S2, S3	P66
			<ul> <li>B8.1 Focus areas of contribution(e.g. education, environmental concerns, labor needs, health, culture, sport).</li> <li>專注貢獻範疇(如教育、環境事宜、勞工需求、健康、 文化、體育)。</li> </ul>	S2, S3	P66-68
			B8.2 Resources contributed (e.g. money or time) to the focus area.	S2, S3	P66-68

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