



中聖集團

SUNPOWER GROUP LTD.



2022

SUSTAINABILITY REPORT

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About this report

Sunpower Group presents its sixth Sustainability Report aimed at disclosing the governance policies, practical actions, and ESG results of Sunpower Group and its subsidiaries while addressing the expectations and concerns of its stakeholders. The Board of Directors of the Group has reviewed this report, and the Group is accountable for the accuracy and validity of the information contained herein.

Time range

From January 1 to December 31, 2022, with part of the contents and data not limited to the current year.

Report scope

This report covers Sunpower Group and its subsidiaries.

Basis for report preparation

The report is prepared with reference to the *Sustainability Reporting Guide* of Singapore Exchange (SGX-ST), *GRI Sustainability Reporting Standard (GRI Standard)* of the Global Sustainability Standards Board (GSSB) and Sustainable Development Goals (SDGs) of the United Nations.

Notes on appellation

For the convenience of expression and reading, "Sunpower Group" is also referred to as "Sunpower" and "the Group" in this report.

Notes on data

The information and data presented in this report have been sourced from official group documents, internal statistics, and relevant public information. Unless stated otherwise, all monetary values in this report are in RMB.

How to obtain the report

This report is released in electronic format and is available on both the Singapore Exchange website (<https://www.sgx.com>) and sunpower.listedcompany.com.

Contact us

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Post Code: 211112



Stakeholder's Message

Dear Stakeholders,

On behalf of Sunpower Group, I am pleased to share our latest sustainability concept, vision, and achievements in the Sustainability Report for the Financial Year to 31 December 2022 ("FY2022").

Following the principle of "Be the Solution, Not the Pollution" and as an early mover that helps to achieve Carbon Peak and Carbon Neutrality, the Group's naturally green Green Investment ("GI") business provides clean industrial steam to industrial users; green civil heating to a large base of households; and electricity to the State Grid. Sunpower integrates long-distance steam distribution technologies, improves production processes and applies environmental protection technologies such as blended feedstock combustion, low nitrogen combustion, and desulfurisation and denitrification into its GI projects, resulting in GI Projects having the capability to meet or be even lower than emission standard of natural gas. Sunpower's water and energy saving technologies help to save water and electricity consumption during production, which increase the efficiency of energy utilisation. The GI projects have collectively helped to replace hundreds of small dirty boilers and reduced dust, sulfur dioxide (SO₂) and nitrogen oxide (NO_x) by more than 60,000 tons per year.

As an early adopter of the circular economy model in China, Sunpower provides the foundation platform for the circular economy in industrial parks. Sunpower provides basic products and services to customers in the industrial parks, applies the circular production model to facilitate the reduction of sewage and waste emissions in the industrial parks, continuously increase the efficiency of energy utilisation, and thus facilitate the sustainable development of industrial parks. GI projects generate steam by utilising the treated wastewater from the upstream wastewater treatment plant within the park, using the sludge generated by the wastewater treatment process as part of the boilers' blended feedstock combustion, turning production wastes into valuable raw materials that are sold to downstream plants, thus helping the park to attain ultra-low emission standards. Many of Sunpower's GI projects apply the circular economy model. Among them, Shantou Project is a part of the No.1 Lianjiang River Comprehensive Remediation Project. By helping to return the Lianjiang River to a clean state that meets environmental protection standards, Shantou Project has alleviated the livelihood and business continuity problems of local residents and enterprises. In addition, Sunpower's Suyuan Project won the Economic Development Contribution Award, Yongxing Project was awarded the Water-Conserving Enterprise, and Sunpower Clean Energy Investment (Jiangsu) Co., Ltd. was recognised as a member of China Association of Environmental Protection Industry, etc.

Sunpower is always committed to establishing and maintaining healthy partnerships with all stakeholders to create a balanced and mutually beneficial ecosystem. Its innovative industrial solutions help the local government, the industrial parks served by its GI projects and the users within the industrial parks to comply with mandatory emission standards. For example, Changgrun Project provides centralised steam supply to customers to ensure their normal operation during the pandemic. Shantou project help to solve sewage discharge problems for its customers and facilitate their operations and development in compliance with regulations. Sunpower listens to customers' needs for steam and provides 24/7 services. Also, the GI projects are manned by

professional operations teams with a strong track record and a full set of security management systems to ensure the safe and highly efficient operation of the projects, thus contributing to the local society and economy through the stable and safe supply of essential utilities such as steam. During the pandemic, Sunpower spared no effort to guarantee steam supply to the pillar industries and essential service infrastructures that were vital in China's economy. Further, through stable heating supply, Sunpower ensures warm lives in cold winter for local residents, especially those in cold northern provinces.

Sunpower values their employees' well-being by providing a safe and healthy working environment. Sunpower provides centralised smart remote monitoring systems instead of physical on-site boiler checks, which creates better and more efficient working conditions. It focuses on the growth of employees and the all-round, multi-level training of talents.

Governance-wise, Sunpower continues to enhance its ESG management. The Board is the highest governance body of the Group. The Board formulates the sustainable development strategy that drives the Group's sustainability policies and supervises the effective implementation of its sustainable development goals. The Board focuses on the climate-related risks and opportunities and take corresponding measures to continuously promote the integration of ESG with the Group's business operations. The Sustainable Development Committee has been established under the Board and is composed of company directors and senior management. Subsequently, the Sustainable Development Team, comprising senior management and heads of various functional departments, breaks down the overall strategy into individual employee tasks and measures, ensuring that the sustainability strategy is pushed through all the levels. Finally, committed to continuously improving corporate governance and safeguarding the interests of all stakeholders, the Board has put in place a set of self-regulating and monitoring mechanisms, in accordance with the Code of Corporate Governance 2018.

With Sunpower, sustainable development and economics go hand in hand. Sunpower adheres to the concept of benefit-driven environmental protection. In 2022, Sunpower achieved a resilient operating and financial performance, recording group revenue of RMB3.449 billion. Total steam sales volume of GI operational projects was 8.68 million tons in FY2022, up by 9.5% YoY. Sunpower will continue to move forward with strict self discipline and an eye to the future. It will strive for the noble synergistic effects of sustainable economic development and create a common future of sustainability with stakeholders.

Guo Hong Xin
Non-Executive Chairman

Statement of the Board of Directors

The Board of Directors at Sunpower Group places a high priority on the organisation's sustainable growth. As the highest decision-making body in charge of environmental, social, and governance (ESG) matters within the Group, it determines the Group's ESG strategies and mechanisms, assesses the efficacy of ESG management, creates expert committees, and thoroughly supervises the accomplishment of ESG-related goals. The Board of Directors oversees and actively participates in ESG-related matters, encourages the inclusion of ESG in daily operations and strategic decision-making for the Group, names the key ESG factors that affect the Group, and monitors and manages these factors. The Board of Directors is also responsible for assessing and approving the Group's ESG materiality and priorities and for providing the basis for disclosing ESG information. In 2022, all the Directors have completed the Director Sustainability Training.

This report provides a detailed disclosure of the progress and effectiveness of Sunpower Group's ESG work in 2022. The report has been reviewed and approved by the Board of Directors.



About Sunpower Group

Sunpower Group Ltd. (SGX stock code: 5GD.SI) was founded in 1997 and listed on the SGX-ST (Singapore Exchange Securities Trading) in 2005. It is a leading provider of clean industrial steam, civil heating, electricity, and industrial services with a sizeable portfolio of Green Investments ("GI") projects. The projects facilitate the development of the circular economy in industrial parks and help China attain its goals of carbon peak and carbon neutrality in the future through initiatives such as the clean and efficient use of feedstock and diversifying its sources of feedstock to include industrial sludge and solid waste.

Following the disposal of the Manufacturing and Services ("M&S") business in 2021, the Group's sole business is the GI business which invests in and operates centralised facilities that supply clean industrial steam, civil heating, electricity and industrial services. Its sizeable project portfolio of 10 projects has the proven ability to generate long-term, high-quality, recurring income and cash flows through long-term concessions of typically 30 years and extensive pipeline networks that enhance de facto exclusivity within their coverage areas. In addition, the Group has 1 other project that is essentially completed and is expected to start trial operation soon.



Group revenue in FY2022 was
RMB **3.449** billion

As of the end of FY2022,
total assets of the Group was
RMB **7.669** billion

History of the Group

<p>1997</p> <ul style="list-style-type: none"> Date of incorporation 	<p>1998</p> <ul style="list-style-type: none"> Obtained first national patent and participated in the National West-to-East Gas Transmission Project 	<p>2000</p> <ul style="list-style-type: none"> Became a designated supplier of "three barrels of oil" in China and started supplying high-end equipment to BASF 	<p>2003</p> <ul style="list-style-type: none"> Developed low temperature heat rods for frozen soil solidification project to overcome the key difficulties of opening Qinghai-Tibet Railway in China 	<p>2005</p> <ul style="list-style-type: none"> Listed on the Singapore Stock Exchange (SGX-ST) Promoted internationalisation strategies 	<p>2006</p> <ul style="list-style-type: none"> First China Standard Innovation Award Construction of China's first zero liquid discharge device for high-concentration saline wastewater (ZLD project) 	<p>2007</p> <ul style="list-style-type: none"> Obtained first national patent and participated in the National West-to-East Gas Transmission Project. Established an Engineering and Technology Research Centre of High-efficiency Industrial Energy-saving Equipment in Jiangsu Province 	<p>2008</p> <ul style="list-style-type: none"> Signed a strategic cooperation agreement with the Chinese Academy of Sciences on Permafrost Engineering and established the Nanjing Permafrost Engineering Centre of the Chinese Academy of Sciences Sinopec's strategic partner for export integration 	<p>2009</p> <ul style="list-style-type: none"> Expanded global market footprint expanded to more than 20 countries 	<p>2010</p> <ul style="list-style-type: none"> The National Standard for Special Tubes for High Efficiency Heat Exchangers was formally issued and implemented 	<p>2011</p> <ul style="list-style-type: none"> The National Standards of Heat Rod and Coreless Heat Pipe were approved and promulgated Breakthrough in the Middle East market with products exported to Saudi Arabia
<p>2012</p> <ul style="list-style-type: none"> Recognised as a well-known trademark in China Signed Asia Regional Strategic Cooperation Agreement with Germany's BASF 	<p>2014</p> <ul style="list-style-type: none"> Achieved the localisation of LNG gasifier equipment Undertook the largest coal-to-olefin project in the world 	<p>2015</p> <ul style="list-style-type: none"> Established the Clean Energy segment to formally enter the Green Investments business Formally became one of Shell's three global strategic suppliers of flare system Enterprise Framework Agreement (EFA) in Asia 	<p>2016</p> <ul style="list-style-type: none"> Phased achievements in GI business and three major projects were put into construction 	<p>2017</p> <ul style="list-style-type: none"> CDH and DCP Capital completed the first round of investment in US\$110 million of the Company's convertible bonds (CBs) to help achieve development of GI business Successful launch of initial GI project portfolio, with four projects put into operation and five projects under construction Shenhua Shaanxi Methanol Processing Project, contracted by Sunpower Environmental Protection Engineering Services General Contract, won the "National Quality Engineering Award" 	<p>2018</p> <ul style="list-style-type: none"> CDH and DCP Capital committed to the second round of investment of up to US\$70 million in CBs, of which US\$20 million of CBs have been issued The M&S segment exceeded RMB2 billion in on-hand orders GI projects achieved scale, with seven operational projects and five projects under construction Won first prize for scientific and technological progress from Sinopec 	<p>2019</p> <ul style="list-style-type: none"> Attained the inaugural Deloitte Best Managed Companies of China award First ever entry into China Energy Group Top 500 List M&A of Suyuan Plant Eight socially-responsible GI investment projects in operation 	<p>2020</p> <ul style="list-style-type: none"> Expanded GI portfolio with nine projects in operation Shantou Project phase 1 and part of Xintai Zhengda Project's new facility moved from trial production to commercial operation phase Construction started for two new GI projects, Tongshan Project and Shanxi Xinjiang Project Announced its plans to divest its investment in the M&S business at an attractive consideration on 31 December 2020 FY2020 revenue rose 12.6% YoY to record RMB4,058.8 million while PATMI hit record of RMB377.0 million 	<p>2021</p> <ul style="list-style-type: none"> The disposal of the M&S business was completed and a special dividend of RMB1.1627 (S\$0.2412) per share was paid from the majority of the net proceeds from the disposal Built up sizeable GI project portfolio of 11 projects, with 9 operational and 1 in trial production and 1 under construction Steam supply to new customer Sanli started in May 2021 following the completion of the pipeline connection from Changrun Project Xinyuan Plant completed the city heating network system for the new concession area in Jimo International Trade Park 	<p>2022</p> <ul style="list-style-type: none"> GI project portfolio of 11 projects, with 10 projects in operation and 1 project essentially completed and expected to start trial operation in 2023. Phase 1 and Phase 2 of Shantou Project are in commercial operation Xinjiang Project met the requirements of trial operation Tongshan Project completed the construction of pipeline network and officially supplied steam and heating Xinyuan Project started providing heating to new concession areas in Jimo Trade Park Xintai Project successfully completed the extension of distribution pipeline to supply industrial steam to a major customer's Phase 3 Phase 2 expansion of the pipeline network of Jining Project commenced construction in 2022 	

Honours and awards

● Title of the honour ● Honour recipient



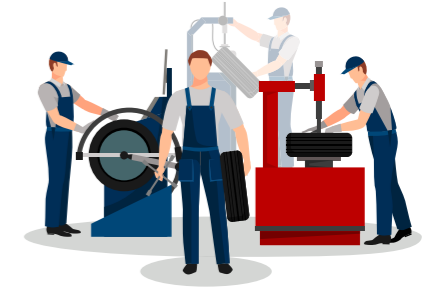
<p>Sunpower Clean Energy Investment (Jiangsu) Co., Ltd.</p> <p>Member of China Association of Environmental Protection Industry</p> <p>"Outstanding Contribution Organisation in Actual Attraction of Foreign Investment in Jiangning District of 2022"</p> <p>"2022 Model Enterprise Award for the Workers' Representative Congress System Building"</p>	<p>Jiangsu Sunpower Clean Energy Co., Ltd.</p> <p>Jiangsu Sunpower Clean Energy Co., Ltd.</p> <p>"Enterprise Member of Thermal Electricity Industry Committee of China Energy Conservation Association"</p> <p>Member of Jiangsu Association of Environmental Protection Industry</p>
<p>Hebei Changrun Environmental Protection Technology Co., Ltd (Changrun Project)</p> <p>"Council Member of Hebei Association of Environmental Protection Industry "</p> <p>"2022 Hebei Enterprise Occupational Health Award"</p> <p>"Power Safety and Production Standardisation Enterprise (Level 2)"</p>	<p>Xintai Zhengda Thermolectric Co., Ltd. (Xintai Zhengda Project)</p> <p>Advanced Organisation in Contribution to Economic and Social Development in 2022</p> <p>"Power Safety and Production Standardisation Enterprise (Level 2)"</p>
<p>Changshu Suyuan Thermal Power Co., Ltd. (Suyuan Plant)</p> <p>"Enterprise Member of Suzhou Association of Power Generation and Heating Supply Industry"</p> <p>"Vice Chairman Enterprise of Changshu Association of Thermal Power"</p> <p>"Enterprise with AA Credit of Labor and Social Security in Suzhou"</p> <p>"Power Safety and Production Standardisation Enterprise (Level 2)"</p>	<p>Shantou Sunpower Keying Thermal Power Co., Ltd (Shantou Project)</p> <p>"Technology Pivot Enterprise of Shantou"</p> <p>"Engineering Technology Research Centre"</p> <p>"Guangdong High-tech Enterprise"</p> <p>Industrial steam won the title of "Outstanding High-Tech Product in Guangdong Province"</p>
<p>Qingdao Xinyuan Thermal Power Co., Ltd. (Xinyuan Plant)</p> <p>"Enterprise Member of Gas and Thermal Power Association"</p> <p>"Power Safety and Production Standardisation Enterprise (Level 2)"</p>	<p>Zhangjiagang Yongxing Thermal Power Co., Ltd (Yongxing Plant)</p> <p>"Enterprise Member of Zhangjiagang Blue Shield Volunteers Association"</p> <p>"Vice Chairman Enterprise of Zhangjiagang Environmental Protection Volunteers Association"</p> <p>"Vice Chairman Enterprise of Suzhou Association of Power Generation and Heating Supply Industry"</p> <p>"Enterprise with AA Credit of Labor and Social Security in Suzhou"</p> <p>"Power Safety and Production Standardisation Enterprise (Level 2)"</p>
<p>Quanjiao Sunpower Clean Energy Co., Ltd. (Quanjiao Project)</p> <p>"Council Member of Chamber of Commerce in Quanjiao Economic Development Zone"</p>	

ESG Management

ESG Management Structure

Sunpower Group has established an ESG governance structure that includes the Board of Directors, the Sustainable Development Committee, the Sustainable Development Team, and various departments to standardise and professionalise the management of ESG work. To ensure that the concept of sustainable development is integrated into its operations, the Group has continuously improved its sustainable development management methods.

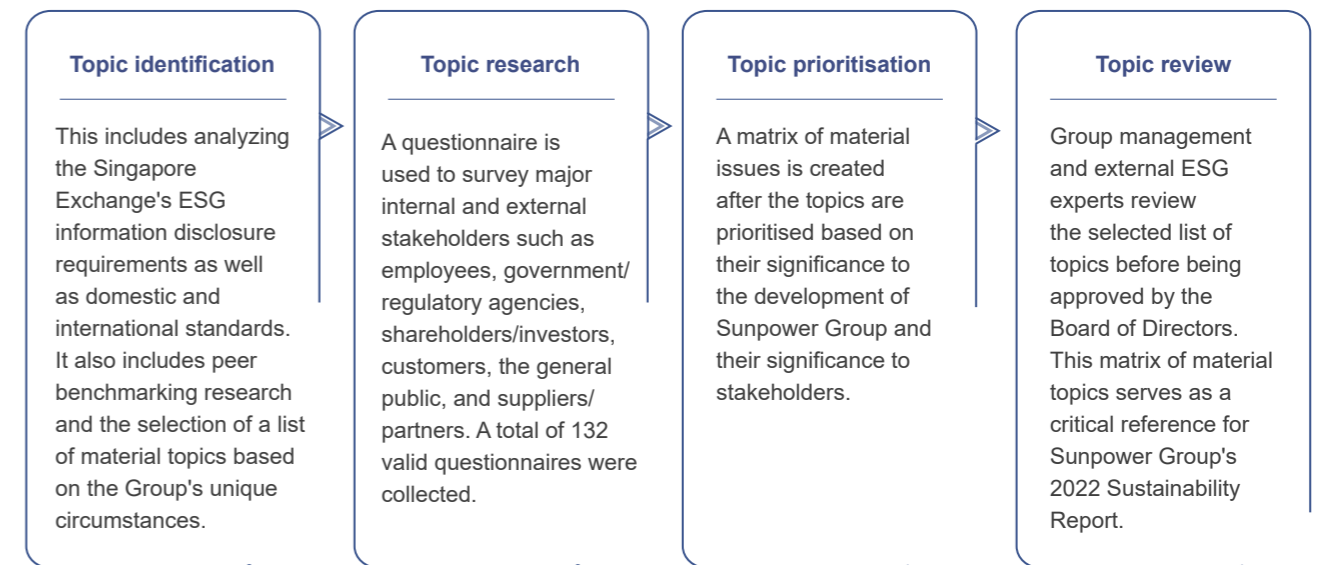
The Board of Directors, as the highest decision-making body for ESG matters, develops ESG strategies and mechanisms, monitors and evaluates the effectiveness of ESG management methods, and establishes professional committees to oversee the comprehensive implementation of ESG-related objectives. The Board of Directors is in charge of monitoring and managing ESG factors that are important to the Group, and it is ultimately in charge of ESG reporting. The Sustainable Development Committee reports to the Board and is made up of Group director and senior management who are in charge of monitoring and managing ESG factors and regularly reporting ESG matters to the Board. The Sustainable Development Team, which includes members from the Group's Operation Management Department, HSE Management Department, Human Resources Department, Internal Control Department, etc., is established under the Sustainable Development Committee. The Sustainable Development Team advises units at all levels on how to actively participate in the implementation of ESG work. It promotes various special projects based on management responsibilities and reports ESG-related data on a regular basis.



Assessment of Material Topics

Sunpower Group conducts regular assessments of material ESG topics on a regular basis. The process involves taking into account the Group's development history, Singapore Exchange requirements, and international reporting standards. The Group identifies and selects the list of Sunpower Group ESG material topics in 2022 using benchmarking analysis and a stakeholder questionnaire. These topics are disclosed in this report in order to address stakeholder concerns.

Assessment process of material topics



Topic identification

This includes analyzing the Singapore Exchange's ESG information disclosure requirements as well as domestic and international standards. It also includes peer benchmarking research and the selection of a list of material topics based on the Group's unique circumstances.

Topic research

A questionnaire is used to survey major internal and external stakeholders such as employees, government/regulatory agencies, shareholders/investors, customers, the general public, and suppliers/partners. A total of 132 valid questionnaires were collected.

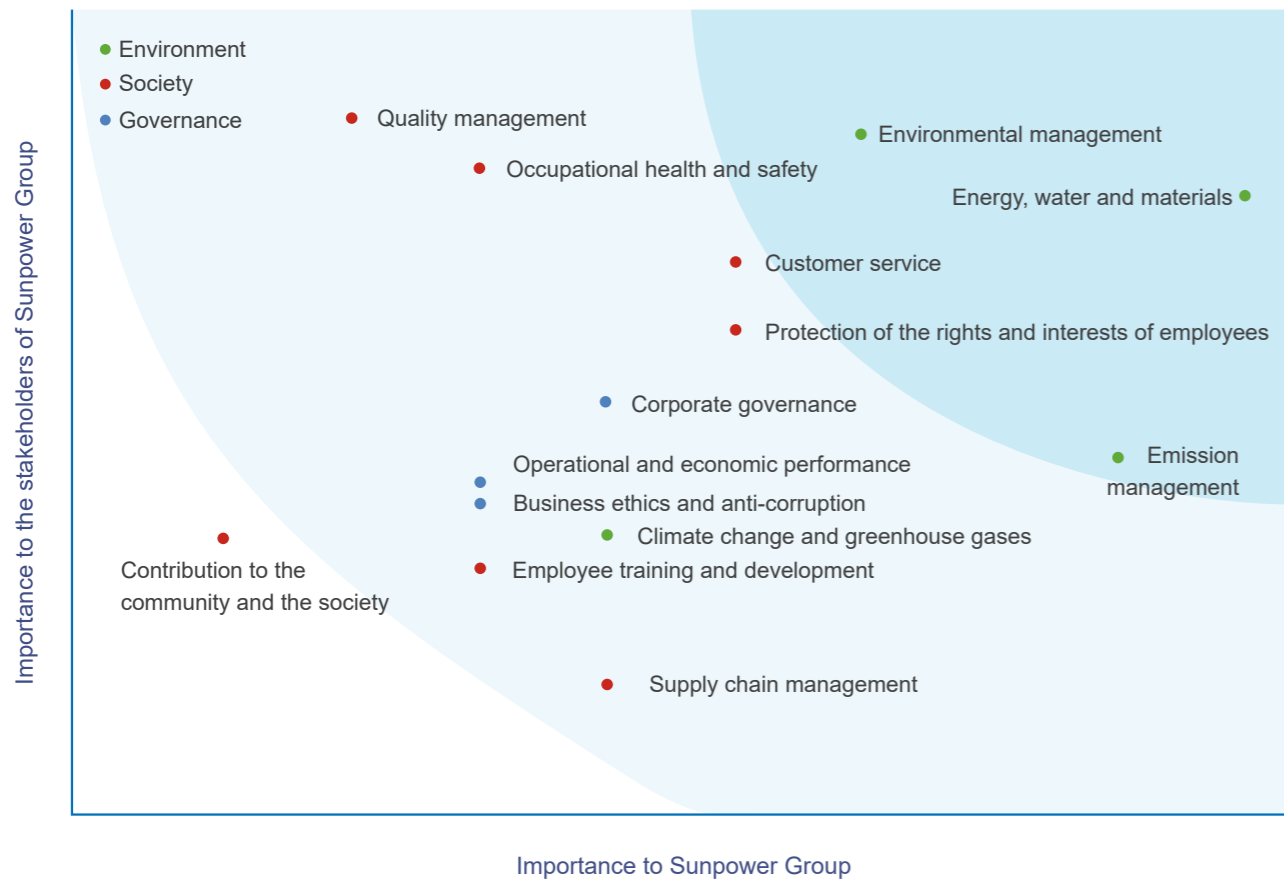
Topic prioritisation

A matrix of material issues is created after the topics are prioritised based on their significance to the development of Sunpower Group and their significance to stakeholders.

Topic review

Group management and external ESG experts review the selected list of topics before being approved by the Board of Directors. This matrix of material topics serves as a critical reference for Sunpower Group's 2022 Sustainability Report.

Assessment results of material topics



Highly material topics			
Energy, water and materials	 	Emission management	
		Environmental management	
Moderately material topics			
Customer service	 	Customer service	
Corporate governance		Protection of the rights and interests of employees	
Quality management	 	Operational and economic performance	
		Employee training and development	
		Climate change and greenhouse gases	
		Business ethics and anti-corruption	
		Supply chain management	
Generally material topic			
Contribution to the community and the society	 		

In response to stakeholder expectations, Sunpower Group has incorporated the topics of "climate change and greenhouse gases" and "employee training and development" in its 2022 reporting, aligning with the *Sustainability Reporting Guide* of Singapore Exchange and the *GRI Sustainability Reporting Standard* of Global Sustainability Standards Board (GSSB).

ESG Goals and Commitments

Environment	Goals and commitments
<p>Environmental management</p>	<ul style="list-style-type: none"> The Group is committed to implementing laws and regulations related to environmental protection in China, such as the <i>Environmental Protection Law of the People's Republic of China</i>, <i>Regulations on the Administration of Construction Project Environmental Protection</i>, <i>Interim Measures on The Environmental Inspection of Completed Construction Projects</i>, <i>Emission Standard of Air Pollutants for Thermal Power Plants</i>, <i>Emission Standard for Industrial Enterprises Noise at Boundary</i>, and <i>Integrated Wastewater Discharge Standard</i>. Sunpower is dedicated to enforcing the main responsibility of enterprise environmental management, and establishing and improving a comprehensive accountability system for environmental protection management at all levels. The Group is determined to strengthen the management of environmental protection equipment and facilities to prevent environmental pollution accidents.
<p>Emission management</p>	<ul style="list-style-type: none"> The Group is dedicated to strengthening the management of wastewater, exhaust gas, noise, and fugitive emissions in accordance with national and local environmental protection policies, and realising up-to-standard emission. The target for 2022 is to keep the waste water discharge rate (discharge volume/water consumption) less than 0.2, and the target has been achieved. The target for 2023 is to reduce the waste water discharge rate by 1% compared to 2022.
<p>Energy, water and material</p>	<ul style="list-style-type: none"> The Group aims to improve the effective utilisation rate of energy through local policy target control, blended combustion, and equipment technical transformation. By doing so, the consumption of standard coal per ton of steam produced by boiler will be reduced. The Group is committed to improving the average boiler efficiency to 88% and above by leveraging technical transformation, operation adjustment, technology introduction and innovation. The Group aims to improve the comprehensive utilisation rate of production water by reforming wastewater recovery devices and recovering and utilising exhaust steam. The target for 2022 was to maintain the water consumption intensity (measured in tons of water consumption per ton of steam sold) below 1.5, and this target has been achieved. The target for 2023 is to reduce the water consumption intensity by 1% compared to 2022.
<p>Climate change and greenhouse gases</p>	<ul style="list-style-type: none"> The Group aims to phase out the use of coal-fired extraction condensing turbines and focus on improving the thermal efficiency of turbines. By increasing steam output per ton of materials and reducing consumption of standard coal per ton of steam, the Group aims to reduce carbon emissions per ton of steam. Sunpower plans to keep the actual carbon dioxide emission for steam and heating supply less than 0.1105tco₂/GJ and the carbon dioxide emission for electricity supply less than 0.9903 tco₂/MWH. The Group is committed to ensuring the turbines operate efficiently and improving energy utilisation rates through technological innovation and maintenance. Sunpower also sees to maintain or reduce carbon emissions per ton of steam within the Group.

Society	
Material topics	Goals and commitments
<p>Quality management</p>	<ul style="list-style-type: none"> The Group is committed to standardising operational processes to ensure safe and stable equipment operation. Sunpower pledges to strictly control product quality to avoid customer claims due to steam quality problems.
<p>Customer service</p>	<ul style="list-style-type: none"> Sunpower strives to continuously improve its technical means to meet the diverse needs of its customers. The Group strives to improve its service and promptly handle customer complaints to achieve a 100% complaint response rate.
<p>Protect the rights and interests of employees</p>	<ul style="list-style-type: none"> Sunpower Group is committed to respecting employees' basic rights and interests, providing training on equal employment policy covering all its employees. The Group aims to optimise compensation and benefits to continuously improve employee satisfaction.
<p>Occupational health and safety</p>	<ul style="list-style-type: none"> Sunpower is determined to earnestly implement laws and regulations such as the <i>Work Safety Law of the People's Republic of China</i> and the <i>Law of the People's Republic of China on the Prevention and Control of Occupational Diseases</i>. The Group aims to ensure no work-related deaths or occupational disease accidents occur and maintain a 100% occupational health examination rate for employees.
<p>Staff training and development</p>	<ul style="list-style-type: none"> Sunpower strives to enhance employee development and plans to provide targeted job training every year. The Group is committed to ensuring fairness and justice in talent selection and encouraging employees to improve their skills.
<p>Supply chain management</p>	<ul style="list-style-type: none"> The Group plans to continuously optimise the supplier management mechanism, establish a pool of qualified suppliers, increase the number of qualified suppliers, and maintain a stable and controllable qualified supplier team. Sunpower endeavors to strengthen supplier integrity management and will incorporate anti-commercial bribery clauses into all types of contracts.
<p>Contribution to community and society</p>	<ul style="list-style-type: none"> Sunpower is determined to maintain open communication with surrounding government agencies and non-governmental organisations and actively participate in the development of its surrounding communities.

Governance	
Material topics	Goals and Commitments
<p>Operational and economic performance</p>	<ul style="list-style-type: none"> The Group is committed to steady operation while continuously improving economic benefits.

<p>Corporate governance</p>	<ul style="list-style-type: none"> Sunpower strives to establish smooth and effective communication channels for its shareholders to protect their rights and interests. The Group's goal is to improve the Environmental, Social, and Governance (ESG) management and promote the integration of ESG concepts into its business process.
<p>Business Ethics and Anti-corruption</p>	<ul style="list-style-type: none"> The Group plans to carry out integrity training in work and management every year, and requires all employees to sign the Commitment Letter of Integrity Performance. Sunpower is committed to putting an end to non-compliant behaviors such as corruption.

Engagement of Stakeholders

Sunpower Group actively engages with its stakeholders through various channels such as its official website, WeChat official account, email, and questionnaires. By doing so, the Group is able to promptly respond to the expectations and demands of its stakeholders and foster close relationships with them.

Stakeholders	Topic of concerns	Communication and engagement
Government/regulators	<ul style="list-style-type: none"> Corporate governance Business Ethics and Anti-corruption Climate change and greenhouse gases 	<ul style="list-style-type: none"> Regular reporting and communication Cooperation with supervision and inspection Onsite visit and investigation
Shareholders/investors	<ul style="list-style-type: none"> Corporate governance Operational and economic performance Energy, water and materials 	<ul style="list-style-type: none"> Convening general meetings of shareholders Information disclosure as required Publication of the annual report Group presentations and non-deal roadshows
Human Resources	<ul style="list-style-type: none"> Protection of the rights and interests of employees Occupational health and safety Employee training and development 	<ul style="list-style-type: none"> Employee training Workers' Representative Congress Survey about employee satisfaction and commitment
Suppliers/Partners	<ul style="list-style-type: none"> Supply chain management Business ethics and anti-corruption 	<ul style="list-style-type: none"> On-site communication Regular inspection
Customers	<ul style="list-style-type: none"> Customer service Quality management 	<ul style="list-style-type: none"> Official website WeChat official account
Environment	<ul style="list-style-type: none"> Environmental management Emission management Energy, water and material Climate change and greenhouse gas 	<ul style="list-style-type: none"> Publishing Sustainability Report regularly Disclosing operational environmental data
Community & Society	<ul style="list-style-type: none"> Contribution to the community and the society 	<ul style="list-style-type: none"> Charity activities Volunteer activities Social media

01

Environment

• SDGs



• GRI metrics

GRI 302, GRI303, GRI304, GRI305, GRI306



Environmental Management

Environmental management governance policy

Sunpower Group strictly abides by laws and regulations, including the *Environmental Protection Law of the People's Republic of China*, the *Regulations on the Administration of Construction Project Environmental Protection*, and the *Interim Measures on The Environmental Inspection of Completed Construction Projects*. The Group also formulates internal policies and systems, such as the *Management System on Environmental Protection* and the *Measures for "Three Simultaneities" of Construction Project*. The Group adheres to the policy of "giving priority to protection, putting prevention first, and comprehensive management". This means that Sunpower implements comprehensive management throughout the entire process and increases investment in environmental protection personnel, technology, and capital to ensure the standardisation of the environmental management.

Practices and progress

Sunpower Group employs a "three simultaneities" management approach for new, modified, and expanded projects and technical transformation projects. This ensures that all construction projects meet national safety, environmental, occupational health, and fire safety standards while also controlling environmental risks from the start. The Group prioritises environmentally friendly construction methods and strives to practice green building. Sunpower prioritises quality and safety throughout the construction process and employs scientific management and technical solutions to maximise energy, land, and water conservation and material savings. Its ultimate goal is to protect the environment and reduce its environmental impact.



Case

Tongshan Project

Tongshan Project is a biomass cogeneration project that utilises agricultural biomass resources as feedstock. It converts the heat energy of biomass fuel into electricity and steam, effectively realising the full combustion and utilisation of bark, straw and other agricultural product waste. The project reduces the consumption of fossil fuels, minimises hazardous substances and air pollution, alleviates the steam and heating supply pressure of Tongshan District, Xuzhou City in Jiangsu Province, and improves energy utilisation efficiency. In selecting the appropriate technology for the project, factors such as fuel, boiler efficiency, environmental protection, and operational reliability were carefully considered. The project opted for a high temperature and ultra-high pressure reheat circulating fluidized bed combustion boiler, high temperature and ultra-high pressure, reheat, single shaft (high-speed rotation) and extraction condensing steam turbine. The steam consumption, electricity generation unit consumption, and power supply unit consumption of the steam turbine are at an advanced level. A mature flue gas treatment process was adopted to ensure that the exhaust gas emission meets the emission standards. The project's drainage system diverts rainwater drainage, domestic sewage, and domestic wastewater, separating rainwater and sewage while also protecting and utilising water resources.

During the project's design stage, current relevant national codes and requirements were strictly followed. Factors such as building energy conservation, consumption reduction, and land use of the factory area were taken into consideration as much as possible. During the construction period, green construction, safe and civilised construction, new processes, new technologies, and new materials were adopted to achieve building energy saving, land saving, water saving, material saving, and environmental protection.

Performance



Emission Management

Emission management governance policy

Sunpower Group is committed to complying with all relevant laws and regulations, including the *Law of the People's Republic of China on the Prevention and Control of Atmospheric Pollution*, the *Water Pollution Prevention and Control Law of the People's Republic of China*, the *Law of the People's Republic of China on the Prevention and Control of Solid Waste Pollution*, and the *Integrated Wastewater Discharge Standard*. The Group has also developed internal policies and systems, such as the *Management System on Environmental Protection* and *Measures for "Three Simultaneities" of Construction Project* to ensure compliance with emission management regulations.

The production, operation, and construction departments of the Group are in charge of monitoring and managing pollutant emissions during production and construction, while the safety and environmental protection department provides overall oversight. The subsidiaries are primarily in charge of pollutant emissions, with specialised personnel in charge of environmental protection equipment. Professional institutions are also hired to conduct regular inspections for emission facilities. The Group ensures that all emissions are disposed of legally and compliantly and that they are discharged only after meeting the required standards. Professional environmental protection engineers supervise and inspect emission management and make correction and adjustment recommendations in cases of non-conformity.

Practices and progress

The Group has made significant advances in environmental pollution control and waste management. It has implemented stringent environmental protection procedures in order to obtain required approvals, and it regularly monitors major pollutants, wastewater, flue gas, and noise. Sunpower is also constantly improving its emergency response mechanisms for environmental emergencies.

Noise pollution management

- During the construction period, noise reduction measures are formulated, and equipment used in the construction process is declared to the environmental protection department in accordance with regulations.
- Low noise and low vibration machines and tools are used in construction, and sound insulation and vibration isolation measures are taken.
- Construction personnel use walkie-talkies for long-distance communication, and loud shouting is strictly prohibited. Noise disturbance is minimised during night-time construction.
- Silencers are used during boiler blow down and pipeline purging, and surrounding residents are informed in advance.
- Equipment and facilities with silencing functions, such as induced draft fans and blowers, are used to reduce noise pollution during production.

Air pollution management

- A flue gas management system is established, and flue gas collection and treatment facilities management records are maintained. The Group takes measures to remedy various flue gas emission sources and regularly monitor flue gas emissions.
- Equipment technical transformation is enhanced to ensure that flue gas emissions meet the standard requirements.
- Effective measures to reduce dust pollution are implemented, such as covering and solidifying areas where dust is present, planting greenery around construction sites, and regularly sprinkling water on the site.

Low nitrogen combustion technology

This technology is designed to effectively reduce the emissions of nitrogen oxide, while also maximising combustion efficiency.

Desulfurisation and denitrification technology

This technology is used to prevent aerosol pollution by converting sulfur dioxide and nitrogen oxide recovered from flue gas into marketable compound fertiliser.

Smog and ammonia elimination technology:

This technology is designed to greatly reduce the emission concentration of nitrogen oxide, while also ensuring stable combustion and high efficiency.

Indicator	2022	Unit
Sulfur oxide emissions	213.76	tons
Nitrogen oxide emissions	529.57	tons
Dust emissions	53.34	tons



Case

Biomass SCR transformation of Tongshan Project

Through the transformation of the economiser, the Group raised it by 3 meters and added an SCR catalyst denitrification device, along with two layers of catalysts. These changes significantly increased the denitrification capacity of the equipment. After the technical transformation, the emission of nitrogen oxides is stably controlled between 20-40mg/Nm³, which effectively reduces fuel consumption, improves boiler efficiency, and lowers ammonia water unit consumption and NO_x emissions.



>>> Installation of SCR system



Case

Transformation project of ammonia evaporation system in Lianshui Project

The transformation project of the ammonia evaporation system vaporises ammonia into ammonia gas, and it is then mixed with air in an ammonia gas-air mixer into dilute ammonia gas and injected into the inlet flue of the SCR reactor. This reduction reaction generates nitrogen gas and removes nitrogen oxides to achieve denitrification. The new process ensures that ammonia and oxynitrides are fully mixed in a short distance after the mixture of ammonia and air is sprayed into the flue, effectively reducing ammonia escape and ammonia water consumption.



Water pollution management

- To manage water pollution, secondary sedimentation tanks are installed at the front working site of the concrete mixer, concrete pump, and cleaning area of transport vehicles. After secondary sedimentation, the water can be used for sprinkling and dust reduction, but it should not be directly discharged into the municipal sewage pipeline network.
- The production unit defines the target indicators of wastewater discharge and establishes management records of wastewater collection and treatment facilities.
- On-site management of production wastewater treatment facilities are strengthened, and production wastewater, domestic sewage, and rainwater is separated and collected in a standardised manner.
- Regular monitoring of wastewater discharge is conducted, and the wastewater is treated in accordance with relevant discharge standards to ensure discharge stably meeting standards.
- Production wastewater, such as desulfurisation wastewater and acid-base regeneration wastewater, is dosed and diluted in the retention basin in the plant. Only after reaching the receiving standard of the sewage treatment plant in the park can it be discharged for regeneration treatment.

Non-hazardous waste management

- To manage waste effectively, material waste is reduced, and the generation of non-toxic and non-hazardous unusable solid waste is controlled. The use of various non-toxic and non-hazardous usable materials is increased.
- Construction waste sorting stations and closed solid waste recycling stations are established to recycle or reuse resources as much as possible.
- All solid waste are disposed of according to regulations to prevent environmental pollution.
- Waste transportation procedures are strictly controlled, and the Group cooperates with upstream suppliers and downstream customers to reduce waste emissions.

Hazardous waste management

- Hazardous waste is legally and compliantly disposed of through third-party qualified institutions.
- Independent hazardous waste storage warehouses are established, and warning signs and labels are set up. Measures such as anti-dispersion, anti-runoff, anti-seepage, and rain-proofing are taken. Regular maintenance and inspections are conducted, and any damage or leakage is repaired or replaced promptly.
- A hazardous waste storage management system and an environmental accident emergency plan are developed.
- In accordance with the principles of "waste reduction and waste utilisation", hazardous waste is comprehensively utilised to the maximum extent possible.

Performance

Indicator	2022	Unit
Amount of hazardous waste generated	29	ton
Amount of non-hazardous solid waste generated	416,549	ton
Comprehensive utilisation rate of waste	100	%
Waste discharge rate	0.048	ton of steam
Total amount of waste water discharge	239.2	10,000 ton
Waste water discharge rate	0.19	Wastewater discharge amount/water consumption amount

Energy, Water, and Materials

Energy, water and materials governance policy

Sunpower Group earnestly implements the *Energy Law of the People's Republic of China* and local energy-saving policies and guidelines. It formulates internal policies and systems, such as the *Coal Management System*, *Supplies Management System*, and *Used and Waste Supplies Management System*, to eliminate the waste of energy and resources, improve energy utilisation rates, and supervise and manage the energy, water, and materials of project companies.

Management and Control



The project shall declare its energy, water and materials usage, and it must be authorised and reviewed by the Group.

Supervision



Conduct monthly statistical analyses of fuel and maintenance consumables expenses.

Rectification



Based on the results of supervision, statistics, and analysis, combined with financial statements, make necessary rectifications and adjustments.

Practices and progress

Sunpower Group has developed and innovated a number of energy saving technologies, such as high-efficiency heat exchange technology, GGH-flue gas heat exchange technology, low-temperature coal saving technology, long distance steam distribution pipeline technology, and more. These technologies have significantly reduced energy consumption. For example, Xintai Zhengda Project utilises heat pump transformation to recover waste heat, improve steam and heating supply capacity, and achieve energy conservation and emission reduction by using the small temperature difference of circulating water. Changrun Project utilises waste heat from desulfurisation wastewater and extracts low-grade heat from wastewater to help save coal resources.

Extraction pressure-to-back pressure turbine



Compared to an extraction pressure unit, the back pressure unit improves the effective utilisation rate of exhaust heat, which saves energy, reduces consumption, and improves economic benefits.

Low-temperature air pre-heater technical transformation of Suyuan Plant #2 boiler (enamel tube)



This technology reduces air pre-heater pipe leakage, decreases the maintenance frequency of unit equipment, and ensures safe, stable, and economic operation of the boiler.

Comprehensive utilisation of waste heat from flue gas desulfurisation of Changrun Project



This technology recovers the waste heat of the three-stage circulating water in the desulfurisation system using a heat pump unit, which reduces energy consumption and improves overall economy.

Technical reform of feeder central cylinder of Tongshan Project



This technology reduces the ash discharge of hot ash, decreases the ash discharge of the feeder, and reduces energy consumption.

Technical reform of air heater of Tongshan Project



This technology increases the cold air temperature, which reduces the ash deposition by increasing the wall temperature of the last stage pipe of the air pre-heater. At the same time, the exhaust gas temperature of the air pre-heater is also increased, which reduces energy consumption.

Reconstruction of the boiler body flue pipe of Tongshan Project



This technology reduces flue pipe resistance and power consumption of the plant.

Efficient heat exchange technology



This technology adopts high-efficiency heat exchange, high-efficiency combustion, and comprehensive utilisation of waste heat to increase the heat exchange efficiency of the boiler.

GGH-flue gas heat exchange technology



This technology recovers heat from high-temperature flue gas to ensure the normal operation of the desulfurisation tower, reduces water consumption, improves the desulfurisation efficiency of the tower, and reduces secondary pollution to the atmosphere.

Low-temperature economiser technology



This technology reduces the temperature of flue gas discharged from the boiler, improving the boiler and desulfurisation efficiency while reducing water consumption.

Long distance steam distribution pipeline technology



This technology uses a suitable thermal insulation structure to achieve optimal cost performance for long distance steam distribution. It has intelligent pipeline network control, online leak detection, safety management, real-time remote monitoring, remote centralisation of pipeline network management, and visualisation of steam and heating supply operation and safety.

Sunpower is committed to improving water facility management by conducting regular inspections to identify any leaks, drips, or other water-related issues. It aims to increase water recycling and decrease water resource consumption. In addition, the Group intends to implement technology transformation for circulating water pumps in order to increase the recycling rate of water resources. Furthermore, the Group actively promotes a condensed water recovery scheme for users to reuse water resources, with the goal of recycling water and reducing raw water consumption and fuel consumption required for boiling water, effectively conserving water.

The Group has implemented the *Supplies Management System* to standardise production supplies and materials planning, procurement, acceptance, storage, distribution, settlement, and waste recovery procedures. A sound usage plan is developed for long-lasting materials and the "zero inventory" approach with the principle of "one out and one in" is followed to ensure the efficient use of materials and prevent overstock.

The Group promotes paperless office practices and advocates for a green office environment. Information is transmitted via online OA systems, mail systems, video conferences, and other digital forms to reduce offline approval processes. Furthermore, electronic archiving is used instead of paper archiving to reduce the number of printed documents. The *Air Conditioning Use Management System*, which specifies air conditioning management measures such as temperature setting to reduce energy consumption, has also been developed.

Performance

Indicator	2022	Unit
Total energy consumption	3,401.56	10,000 GJ
Energy consumption intensity (measured in kilograms of standard coal consumption per ton of steam produced)	105	Kg/ton
Electricity consumption	22,784.19	10,000 KWH
Electricity consumption intensity (measured in kilowatts of electricity consumption per ton of steam produced)	20.33	KWH/ton
Total water consumption	1,273.5	10,000 ton
Water consumption intensity (measured in tons of water consumption per ton of steam sold)	1.47	ton of water/ton of steam



Climate Change and Greenhouse Gases

Climate change governance

Sunpower actively implements the national "Carbon Peak and Carbon Neutrality" goal and establishes a systematic climate change risk management system. It urges all levels of the Company to participate actively in the formulation and implementation of comprehensive strategies to address climate-related risks, establish plans to take advantage of climate related opportunities, and facilitate the management of global climate risks.

Supported by reports from the Sustainable Development Committee, the Board members apply their professional experience and knowledge to determine the key impacts of climate change on the Company's actual business. As part of its oversight, the Board engages in discussions over the identification and evaluation of climate change-related risks and opportunities; tracks updates to climate related risks and improves the management of climate risk; promotes the implementation of climate risk management mechanisms and emergency response mechanisms; and reviews and inspects the progress toward implementing the Company's climate change-related targets on an annual basis or as required.

The members of the Sustainable Development Committee include director and senior management of the Company. The Sustainable Development Committee is responsible for coordinating and supervising the management of the Group's sustainable development and reporting to the Board of Directors. Following the requirements of the Sustainable Development Committee, the Sustainable Development Team decomposes the sustainable development strategy; formulates plans and programmes to achieve goals; records operation data and conducts regular statistical analysis; and collates the latest sustainable development-related policies; etc. In addition, the Group has established a department responsible for promoting carbon emission management in daily business operations and continuously improving its carbon management system and carbon data management.

Climate change strategy

Sunpower Group actively implements climate change responses, reduces potential climate risks, seizes the opportunity of low-carbon transformation, and achieves win-win cooperation with stakeholders in accordance with the disclosure framework of the Task Force on Climate-Related Financial Disclosures (TCFD).

The Group is committed to three key areas of energy transformation, system efficiency improvement, and green technology advancement, focusing on "enhancing its own emissions reduction, serving low-carbon societal development, and promoting the practice and application of green technology". This approach enables the Group to provide customers with lower-carbon and cleaner products and services while also achieving its own low-carbon business transformation goals. Sunpower pioneers low-carbon energy structures by developing clean energy such as biomass cogeneration and photovoltaics and replacing coal resources to enable external steam supply. This contributes to the Group's "dual carbon" goals of reaching carbon neutrality before 2060 and peaking carbon dioxide emissions by 2030. In addition, the Group constructs a safe and efficient energy system, performs carbon emission rights inventory, inspection, monitoring, quota auditing, contract execution, and trading in operational projects, and continuously reduces carbon emissions by implementing various energy-saving and consumption-reducing measures.

Climate change risk identification and response

Sunpower Group identifies and analyzes physical risks associated with climate change and evaluates its transformation risks. The Group also assesses its own climate risks and opportunities and formulates appropriate measures to address them.

Physical		Impact	Control measure
Acute Risk	Typhoon	<ul style="list-style-type: none"> Typhoons can destroy the operational pipeline network, equipment, and facilities, affecting the stability of electricity supply and steam supply, threatening the safety of employees and customers. This can lead to a breach of contract, compensation, and legal liability due to business interruption and other issues. 	<ul style="list-style-type: none"> Formulate a typhoon emergency rescue plan. Use stronger facility and piping design to reinforce the equipment and facility support. Raise flood control stairs in special areas to improve the ability to resist natural disasters.
	Extreme precipitation	<ul style="list-style-type: none"> Extreme precipitation can destroy the operational pipeline network, equipment, and facilities, and affect the stability of electricity supply and steam supply. Intense rainfall may bring threat to the safety of employees and customers and increase risk of flooding of equipment and facilities in low-lying areas. 	<ul style="list-style-type: none"> Develop a flood control and emergency rescue plans. Fully consider local precipitation and elevate infrastructure or add more drainage facilities during the design phase. Raise flood control stairs in special areas to improve the ability to resist natural disasters.
	Flood	<ul style="list-style-type: none"> Flood may destroy the operational pipeline network and equipment and facilities, affect the stability of electricity supply and steam supply, threaten the safety of employees and customers, and increase the risk of flooding of equipment and facilities in low-lying areas. 	<ul style="list-style-type: none"> Formulate a flood control and emergency rescue plans. Fully consider local precipitation and elevate infrastructure or add more drainage facilities during the design phase. Raise flood control stairs in special areas to improve the ability to resist natural disasters.
	Extremely hot weather	<ul style="list-style-type: none"> Extremely hot weather may increase the risk of health and safety of employees. In addition, it may increase the operating cost of on-site temperature control. Moreover, it may increase the maintenance cost of equipment and facilities. 	<ul style="list-style-type: none"> Formulate an emergency rescue plan for hot weather and heatstroke. Arrange temperature control facilities such as sunshades, ventilation, and air conditioning. Prepare first aid medicine for heatstroke.
	Extremely cold weather	<ul style="list-style-type: none"> Extremely cold weather may increase employee health and safety risks. This may increase the operating cost of on-site temperature control. The extremely cold weather may increase the maintenance cost of equipment and facilities. 	<ul style="list-style-type: none"> Formulate emergency rescue plans for extremely cold weather. Formulate measures of protection against freezing conditions in extremely cold weather to ensure the safety of personnel and equipment. Every winter, a working group for protection against cold and freezing conditions is set up to carry out temperature forecast and analysis and resource matching in advance. Additionally, the working group monitors, analyzes and reports changes in supply and demand, discusses and updates emergency measures, and ensures stable steam supply in winter. Arrange temperature control facilities such as heat preservation, heat tracing and air conditioning.
Chronic risk	Sea level rise	<ul style="list-style-type: none"> Sea level rise may destroy existing operational pipeline network, equipment and facilities. In addition, the migration of coastal cities inland affects the existing market. 	<ul style="list-style-type: none"> Monitor the rising trend of sea level. Conduct relevant prevention and emergency research.
	Climate warming	<ul style="list-style-type: none"> Climate warming may increase the risk of heat waves, droughts, and fires. Additionally, it may increase the maintenance cost of electricity supply and steam supply facilities. 	<ul style="list-style-type: none"> Formulate emergency plans for extreme weather events and heat stroke.

Transition risk	Risk and opportunity	Control measure
Legal and policy risk	The ongoing implementation of dual-carbon goals and environmental protection policies may have adverse effects on coal-fired units.	Increase investment in research and development, and innovate energy saving technologies to promote the low-carbon transformation of the energy structure. Additionally, strategically develop businesses such as biomass cogeneration and photovoltaics to align with the evolving energy landscape.
Technical risk	As environmental protection policies become more stringent, the emission standards for exhaust gas continue to increase, rendering the risk that some old processes and equipment will be non-compliant.	
Potential market risk	Due to the influences arising from various factors such as the strict execution of environmental protection and dual-carbon policies, and geopolitical issues, certain downstream customers face some challenges and pressure.	

Annual target

- The Group aims to phase out the use of coal-fired extraction condensing turbines and focus on improving the thermal efficiency of turbines.
- By increasing steam output per ton of materials and reducing consumption of standard coal per ton of steam, the Group aims to keep the actual carbon dioxide emission for steam and heating supply less than 0.1105tco₂/GJ and the carbon dioxide emission for electricity supply less than 0.9903 tco₂/MWH.
- The Group is committed to ensuring the turbines operate efficiently and improving energy utilisation rates through technological innovation and maintenance. Sunpower also sees to maintain or reduce carbon emissions per ton of steam within the Group.
- The short-term goal is to not exceed the national carbon emission standards.

Medium and long term target

- The mid- and long-term goal is to maintain carbon dioxide emissions below the allowable limits set by the country.

Indicator	2022	Unit
Total greenhouse gas emissions	327.55	10,000 ton
Direct (Scope 1) greenhouse gas emissions	3,270,345.48	ton of carbon dioxide
Indirect (Scope 2) greenhouse gas emissions	5,148.32	ton of carbon dioxide
Greenhouse gas (steam and heating supply) emission intensity	0.1048	ton/GJ
Greenhouse gas (electricity supply) emission intensity	0.7881	ton/MWH
Direct (Scope 1) greenhouse gas (steam and heating supply) emission intensity	0.1047	ton/GJ
Direct (Scope 1) greenhouse gas (electricity supply) emission intensity	0.7869	ton/MWH
Direct (Scope 2) greenhouse gas (steam and heating supply) emission intensity	0.0002	ton/GJ
Direct (Scope 2) greenhouse gas (electricity supply) emission intensity	0.0012	ton/MWH

Note: Greenhouse gas emission (steam and heating supply) intensity = Greenhouse gas emissions/amount of steam and heating supply
Greenhouse gas emission (electricity supply) intensity = Greenhouse gas emissions/amount of electricity supply

02

Society

• SDGs



• GRI metrics

GRI 203, GRI 308, GRI 401, GRI 403, GRI 404, GRI 405, GRI 406, GRI 408, GRI 409, GRI 413, GRI 414, GRI 416, GRI 418



Quality Management and Customer Service

Quality management and customer service governance policy

The Group adheres to a customer-centred principle by formulating and strictly implementing operational regulations and related systems, such as the *Regulation on Production Operation* and the *Steam and Heating Supply Network Management System*. Detailed files for professional equipment are established to ensure a stable and high-quality energy supply.

Practices and progress

Quality management

The Group offers medium and low-pressure steam with parameters ranging from 0.6 MPa to 3.5 MPa and temperatures ranging from 180 °C to 350 °C. Steam pressure and temperature are adjusted to meet customers' on-demand and precise steam and heating supply requirements. The Group promotes emergency power supply to ensure the power plant can be safely shut down in the event of an accident and quickly resume operation after the fault is resolved. The Group identifies, classifies, controls safety risks, and investigates and manages hidden dangers during the operation, commissioning, and maintenance of steam and heating supply network pipelines. Monthly safety inspections are conducted to ensure the safe operation of pipelines and timely steam and heating supply. Emergency plans are created for accidents, and technical improvements are made based on different power plants' operation modes and conditions to ensure a stable energy supply.



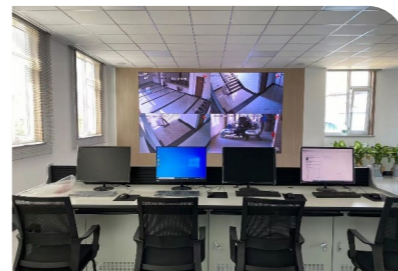
>>> Completion of the annual third-party inspection of totalizer and pressure transmitter among other measuring instruments



Case

The intelligent steam and heating supply network dispatching platform realises "on-demand and precise steam and heating supply"

In November 2022, the intelligent steam and heating supply network dispatching platform was launched to provide better heating services for the people in the region. The platform features advanced, accurate, technological, and user-friendly systematic regulation and control. It remotely monitors and controls the operation of each heat station, monitors the heating status of users, and achieves "on-demand and precise steam and heating supply". The platform also simplifies the process of steam and heating supply for customers by enabling them to heat their homes with just one button.



>>> The intelligent steam and heating supply network dispatching platform



Case

Tongshan Project #1 boiler equipped with air heaters

Due to fuel and operating conditions, the low-temperature section of the biomass boiler in Tongshan Project suffered from severe corrosion and blockages. The pre-heater was particularly affected, resulting in shorter operating cycles and reduced economic benefits. To address this issue, the Group decided to install air heaters at the inlet of the boiler air pre-heater to increase the temperature of the cold air. This would raise the temperature of the pipe wall of the last stage of the air pre-heater and reduce ash deposition.

After the transformation, the primary and secondary air temperatures could be maintained between 50-80 °C (in winter), while the air supply temperature was raised by 40-60 °C. This approach helps to reduce low-temperature condensation of ash accumulation and minimises the possibility of ash blockage at the end. The improved air supply temperature results in an increase of 50 °C in the temperature of the air chamber, which in turn enhances the boiler's efficiency. Additionally, the transformation helps prolong the boiler's operating time and reduces the number of startups and shutdowns.

Customer service

Sunpower Group is committed to exceeding customer expectations and handling complaints from customers and other stakeholders professionally, fairly, timely, and responsibly. The Group has established a return visit system to ensure customer satisfaction and conducts regular door-to-door research to improve customer experience. Similarly, Xinyuan Plant has implemented a butler service mode and a one-to-one community service approach to improve customer service effectiveness and satisfaction. A 24/7 hotline and integrated ticket processing platform for complaints have been set up to guarantee that complaints are dealt with professionally, fairly, promptly, and responsibly.



>>> Butler service mode for customers



>>> Complaint hotline and integrated ticket processing platform



>>> Banner presented by customers to affirm the Group's customer service



Case

Equipment transformation from natural gas to steam setting machine

To help customers increase their consumption of medium-pressure steam, Sunpower Group assisted customers with their equipment transformation by replacing their natural gas setting machines with steam setting machine. After the transformation, the customer's medium-pressure steam consumption increased from 12,163 tons in 2021 to 51,625 tons in 2022. Additionally, to address the issue of equipment energy consumption raised by users, the Group actively helped customers identify and analyze the underlying reasons, and provided suggestions for transformation.



Case

Production and steam and heating supply network team visit customer's steam supply pipeline

On March 23, 2022, Sunpower Group arranged for its production and steam and heating supply network team to visit a customer's steam supply pipeline to gain a deeper understanding of the customer's steam consumption, and to provide technical guidance to address any problems found during the visit. Through rectification, the energy consumption of the customer was reduced by 5%. Difficult problems were resolved, customer satisfaction with steam consumption was greatly improved, and the friendly cooperation between the two parties was promoted, ensuring good cooperation between the steam suppliers and users.

Information security

To maintain the network security of Sunpower Group, safeguard the confidentiality and integrity of its information and data, ensure the interconnectivity of the Group's network systems, and effectively prevent virus intrusion, the Group has developed and implemented a comprehensive *Network Security Management System*. This system includes regular security audits of computer rooms and network equipment, 24-hour monitoring of computer room environments, prompt remediation of any identified risks or vulnerabilities, and compliance with various network security regulations. In addition, the Group performs regular verification work to ensure the effectiveness of its security measures.

Performance

- Shantou Project received a banner from customers in recognition of their efforts in "Solving Problems, Doing Practical Things, and Serving Enterprises Efficiently".
- Xinyuan Plant received thank-you letters from customers, expressing their appreciation for the Group's services.

In 2022, there were **no complaints** about product quality failing to meet user requirements.



Employee Rights and Interests Protection

Employee rights and interests protection governance policy

Sunpower Group adheres to the concept of "sharing responsibilities and creating careers together, sharing achievements and achieving win-win results in the future". We strictly abide by the *Labor Law of the People's Republic of China*, the *Labor Contract Law of the People's Republic of China*, the *Law of the People's Republic of China on the Protection of Women's Rights and Interests*, the *Law of the People's Republic of China on the Protection of Minors*, and other relevant laws and regulations. We have formulated internal policies and systems, such as the *Employee Handbook* and *Personnel Management System*, established a system of workers' representative congress, set up trade unions, and strive to safeguard the legitimate rights and interests of employees.

Practice and progress

Legal employment



The Group follows equal and legal employment practices, and the *Employee Handbook* contains detailed provisions on equal employment, personnel management, talent selection and hiring, and labor contracts. The Group strictly checks candidates' identity information and is adamant about putting an end to illegal employment such as child labor and forced labor.

The Group had **1,250** employees in 2022, including **192** new employees.

Employee diversity



The Group values and encourages employee diversity, prohibits discrimination based on gender, age, religious beliefs, race, and other factors, and actively promotes an open and equal workplace. In 2022, the Group had **235** female employees, including

42 new female employees, and women made up **33%** of senior management.

Remuneration and benefits



The Group decides salaries according to positions and ranks and abides by relevant policies of wage payment regulations. Sunpower pays employees' social insurance and provident fund and provides traditional holiday benefits, birthday allowances, medical examinations, tourism, commercial supplementary insurance, and other benefits.

The Group continuously improves its performance management system. For the senior management, the combination of annual target management and key performance indicators is implemented, and their salaries are decided according to the completion of targets and key indicators. For the front-line employees, key work indicators are assessed, evaluated quarterly, and linked with year-end salary. Special performance management programs are implemented for technical positions, such as HSE assessment, biomass quality inspection assessment, assessment of minor indicators in production, etc.

Democratic management



The Group has established efficient communication channels as well as a democratic employee management system. It values its employees' opinions and suggestions and ensures that their needs are met through the Workers' Representative Congress and employee surveys. Sunpower Group used questionnaires to conduct an employee satisfaction and engagement survey in 2022, with an impressive participation rate of **98.33%**.

Employee care



The Group provides a variety of employee benefits and activities to promote employee well-being and positive work culture. These include yoga classes and special benefits for female employees, retirement ceremonies with gift giving, visits to and support for sick employees, and activities such as movie screenings, strawberry picking, and outdoor excursions on International Women's Day on March 8th to increase employees' happiness, sense of community, and engagement. Sunpower also organises cultural and sporting events such as barbecues, outdoor picking, mountaineering competitions, basketball games, and other activities to enrich our employees' cultural lives.

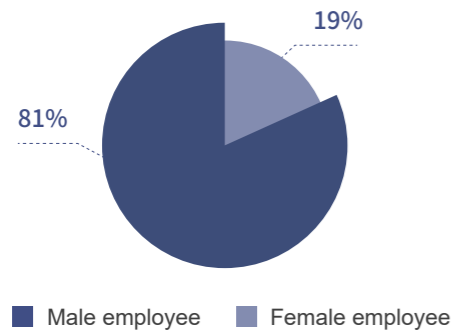


>>> Sunpower Group organises staff table tennis games

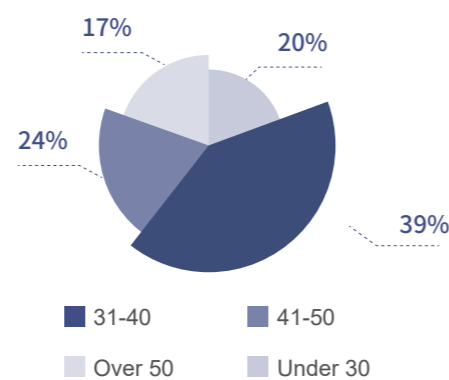
Performance

In 2022, there were **1,250** employees in total.

Number of employees by gender

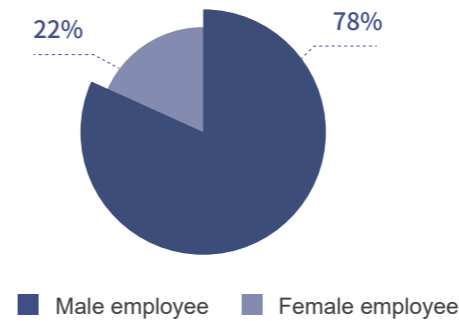


Number of employees by age

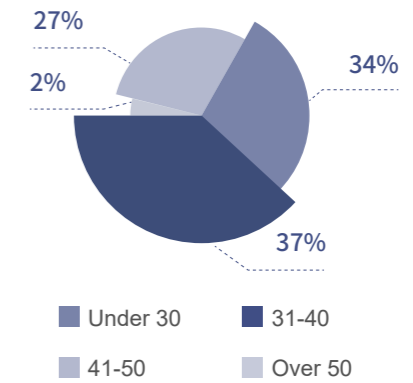


In 2022, Sunpower welcomed **192** new employees.

Number of new employees by gender



Number of new employees by age



In 2022, **147** individuals left their positions at Sunpower.

In 2022, the employee turnover rate was **10.52%**.

Staff turnover by age	2022	Unit
Under 30	20	%
31-40	41	%
41-50	22	%
Over 50	16	%
Staff turnover by gender	2022	Unit
Male employee	77	%
Female employee	23	%



Occupational Health and safety

Occupational health and safety governance policy

The Group adheres to the "focus on safety, prevention, and comprehensive management" principle through its governance policy. The Group has established a work safety committee and an office to provide leadership to ensure effective occupational health and safety management. The committee holds regular work safety meetings to investigate and resolve major occupational health and safety issues. The Group and its subsidiaries have established a specialised HSE department to supervise and inspect occupational health and safety issues and make recommendations for improvements. Furthermore, the Group has established and improved a work safety accountability system for all departments and personnel at all levels. At every level, a commitment letter is signed to fulfill work safety goals and responsibilities, and safety performance is linked to assessment.

External laws and regulations

- Work Safety Law of the People's Republic of China
- Law of the People's Republic of China on the Prevention and Treatment of Occupational Diseases
- Administrative Regulations on the Work Safety of Construction Projects
- Regulations on Safety Supervision over Special Equipment

Internal policies and systems

- Safety and Environmental Accidents (Incidents) Management System
- Regulations on Occupational Health and Safety
- Regulations on the Management of Labor Protection Appliances
- Safety, Health and Environmental Knowledge Handbook for Employees
- Regulations on Emergency Plans

Practices and progress

Occupational health and safety



>>> Emergency training of electric shock

The Group is committed to promoting and strengthening work safety standardisation by improving its standardised management and operational capabilities. It conducts regular occupational health and safety inspections, identifies and eliminates potential safety hazards, and improves its safety risk management and control. Additionally the Group develops emergency plans for workplace safety incidents, organises safety emergency drills, and improves its emergency response capabilities. The Group distributes labor protection articles and conducts annual occupational hazard factor detection to identify and correct any potential hazards to employees' occupational health and safety on production sites. In 2022, the Group had no personal accidents or cases of occupational diseases.



>>> Fire drills

The Group prioritises fostering a safety culture by developing safety education and training plans to improve employees' safety awareness and operational skills. It organises cultural activities such as promoting safety culture within teams and groups, safety production month, and safety warning week to create a safe working environment. In 2022, the Group provided 9,220 opportunities for occupational health and safety training and 5,682 people passed the occupational health and safety knowledge exam. Changrun Project was recognised as the provincial "Occupational Health Enterprise" in Hebei Province, while Suyuan Plant, Xintai Zhengda Project, Changrun Project and Xinyuan Plant were rated as "Power Safety and Production Standardisation Enterprise (Level 2)".



Case

Xinyuan Plant organises flood control emergency drills

On June 28, 2022, Xinyuan Plant conducted special activities for flood control emergency drills. The drill team was composed of the operation B team, maintenance team, and forklift team. They thoroughly reviewed and executed the flood control emergency plan in an orderly manner, clearly defined the division of labor, and strengthened emergency operations. The drills were highly beneficial, as they enabled employees to make accurate judgments and take decisive actions when dealing with real accidents, which in turn helped them avoid personal injury and equipment damage.



>>> Special activities of flood control emergency drills

Performance

0 case of work-related death

0 case of occupational diseases

0 employee suffered from serious occupational injuries

0 work safety accident

Employee Training and Development

Employee training and development governance policy

Sunpower Group is dedicated to optimising its talent selection, employment, education, and retention strategies. To achieve this goal, the Group has developed an *Employee Handbook* and *Employee Training Management System* that aims to standardise training management rules, training syllabi for each post, training course library and tutor team. In addition, the Group guides personnel management with performance evaluation, employs scientific methods to select individuals and provides training for employees at all levels. This approach helps to create a warm workplace where employees are encouraged to pursue their passions and achieve their development goals.

Practices and progress

The Group has developed a comprehensive training system for employees of all levels, including senior, middle, and junior-level personnel. The training program is intended to help employees improve their vocational skills, professional techniques, and management abilities. The courses and lecturers are evaluated and updated regularly in order to improve the employees' skills. The Group has developed specific training plans to meet the needs of new employees, operational positions, and technical positions. Sunpower provides routine and special training to employees to effectively improve their technical abilities and training for technicians to obtain external qualifications. The method of external qualification training is chosen based on changes in industry policy, technological advancements, and management improvements. Employees, for example, can access on-demand knowledge through official WeChat accounts and watch video lectures online. In 2022, the average training hour per person was 29.45 hours.

The Group actively participates in industry-university-research collaboration and has long-term and stable partnerships with universities and colleges such as Baoding Electric Power Vocational and Technical College, Shanxi Electric Power Vocational and Technical College, and Nanjing Institute of Technology. Sunpower Group was recognised as an "Off-campus Practical Education Base" by the Nanjing Institute of Technology in 2022, and the Group was given a nameplate.

Performance



The average training time of employee reached **29.45** hours.

Average training time of employee by gender (hour)



Supply Chain Management

Supply chain governance policy

The Group strictly adheres to the *Bidding Law of the People's Republic of China* and formulates *Measures on Supplier Management* to regulate supplier selection, access, assessment, and exit. The Group maintains high standards for the quality and business ethics of suppliers, promoting the sustainable development of the supply chain.

Practices and progress

Sunpower Group places great importance on the screening and management of suppliers. It adopts strict screening and evaluation procedures for suppliers, evaluates their quality, supply, and price annually, classifies suppliers according to the evaluation results, and eliminates unqualified suppliers promptly. In 2022, the Group had no cases of non-compliance against relevant policies, laws, and regulations.

The Group prioritises clean supplier management and includes anti-commercial bribery clauses to the purchase contract, requiring all suppliers to adhere to the contract to eliminate commercial bribery. The Group has also set up a hot line and email address for public information disclosure and reporting to monitor violations.

To help suppliers improve their service response capabilities continuously, the Group has established several supplier communication channels, including organising supplier visits and online communication. The Group promptly provides feedback on relevant information of supplied materials and suggestions for quality improvement.

Performance

In 2022, Sunpower had

925 suppliers in total



Contribution to Community and Society

Community and society governance policy

At Sunpower Group, we advocate project companies to actively participate in social welfare and volunteer activities. We maintain open communication with government departments and non-governmental organisations, and strive to play an active role in public welfare undertakings. We support vulnerable groups in society, such as lonely elderly, orphans, widows, left-behind children, and impoverished students, and we are committed to fighting the pandemic. In addition, we carried out charitable activities in various fields, including education donation and caring for the elderly, to fulfil our corporate responsibility.

Practices and progress



>>> Changrun Project visits fire officers and soldiers and conveys its regards



>>> Yongxing Plant launched the "Best Wishes from Yongxing" charity project, where the company sent gifts such as cooking oil, rice, milk, and seasonal gifts to elderly individuals over the age of 80 in Anqing Village during their birthday month.

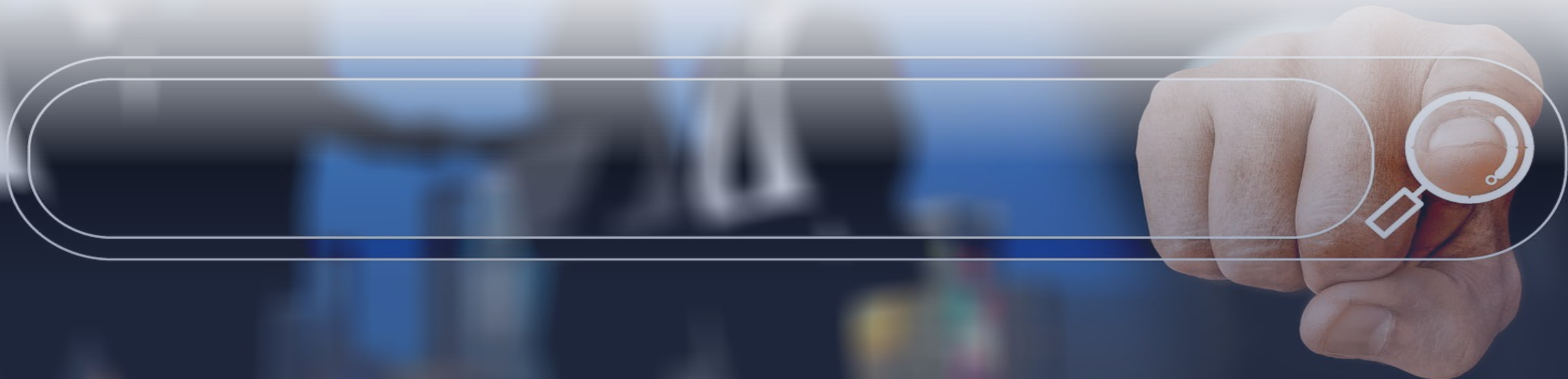


>>> Quanjiao Project visits the electricity supply station and expresses its regards



Performance

Indicator	2022	Unit
Employee volunteer hours	502	Hour



03

Governance

•SDGs



• GRI metrics

GRI 201, GRI 205, GRI 206



Operational and Economic Performance

Sunpower Group is a leading player in the centralised steam supply facilities industry and an early mover in developing circular economy industrial parks, as per the National Development and Reform Commission's "14th Five-Year Plan for Circular Economy Development". By the end of 2022, the Group has a sizeable portfolio of 11 GI projects. Sunpower has a remarkable track record, commanding a strong market position and brand assets. The Group's long-term growth strategy is in alignment with the country's energy policy. Sunpower is actively advocating for carbon peaking and carbon neutrality, clean and efficient utilisation of raw materials, and the growth of green and low-carbon industries.

Group Revenue

RMB **3.449** billion

Total assets

RMB **7.669** billion



Corporate Governance

The board (the "Board") of directors ("Directors") and management ("Management") of Sunpower Group Ltd. (the "Company", and together with its subsidiaries, the "Group") are committed to upholding a high standard of corporate governance. They believe that effective governance practices are key to generating long-term value for stakeholders. The Company has in place a set of self-regulating and monitoring mechanisms, in accordance with the *Code of Corporate Governance 2018*. In addition, the Group has established an internal supervision system and continuously improves its governance practices and operating framework.

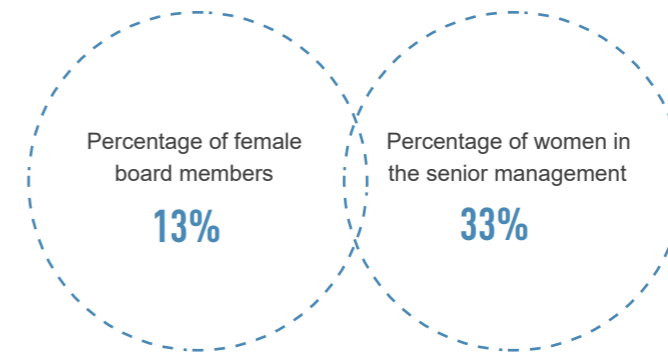
The Company is headed by an effective Board which is collectively responsible and works with Management for the long-term success of the Company. The Board comprises eight members, including one female director. Several committees are set under the Board, including Nominating Committee, Remuneration Committee, Audit Committee, Independent Committee, Risk Management Committee and Sustainable Development Committee. Each committee carries out their respective duties by formulating effective management and supervision policies.

The Group has implemented effective risk management measures, including short-term, medium-term, and long-term risk management strategies, as well as a robust internal control system. Additionally, in line with our commitment to a high standard of corporate governance, policies in relation to Anti-Corruption, Conflict of Interest, Insider Trading, Fraud and Whistle-blowing, have been established. Moreover, the Sustainable Development Committee has been set up to facilitate the sustainability of the Group and provide insights for the Board to apply the sustainability approach to improve the governance of the Company.

The Board has put in place a Board Diversity Policy for the Company which endorses the principle that its Board should have the optimum balance of skills, knowledge, experience and other aspects of diversity to avoid group-think and foster constructive debate that support the Group in the pursuit of its strategic and business objectives, and its sustainable development. The policy provides a range of perspectives, insights and challenges that leads to well-balanced decision-making for the benefit of the Group.

The Board meets once a year to review and deliberate on the key activities and business strategies of the Group. The Board meets at least four (4) times a year to approve the release of the financial results for the first and third quarters, half-year and full-year. Additional meetings of the Board will be held where circumstances require. The Group abides by relevant rules, values the rights and interests of stakeholders, and establishes channels and measures to balance the interests of all stakeholders. For shareholders, the Group complies with the relevant manuals of listed companies and treats shareholders fairly. Annual and special shareholders' meetings are held regularly or on demand to provide a platform for shareholders to communicate with the Group, ensuring the exercise of shareholders' rights, and striving to realise long-term value for shareholders.

For more information on corporate governance, please refer to the "Corporate Governance" section of the 2022 Annual Report published by Sunpower Group.



Business Ethics and Anti-corruption

Sunpower Group adheres strictly to the *Company Law of the People's Republic of China*, the *Anti-monopoly Law of the People's Republic of China*, *Anti-unfair Competition Law of the People's Republic of China*, and other relevant laws and regulations. Additionally, the Group has established the *System of Honest Performance of Duties* and the Commitment Letter of Honest Practices to promote self-discipline and compliance to business ethics. As of 2022, there have been no corruption lawsuits.

To promote a clean and ethical culture, Sunpower Group conducts training on the *System of Honest Performance of Duties* for all employees and requires all employees to sign the Commitment Letter of Honest Practices. In 2022, 1,250 people participated in a training session on business ethics and anti-corruption, achieving a participation rate of 100%. This ensures that employees uphold honesty and self-discipline in their daily work and adhere to business ethics. Furthermore, the Group incorporates anti-commercial bribery clauses into various contracts, optimises and revises contract templates, and takes measures to prevent any instances of corruption.



Annex I Key Performance Indicators

Environmental Performance

Indicator	2022	Unit	
Greenhouse gas emissions	Total greenhouse gas emissions ¹	327.55	10,000 ton
	Direct (Scope 1) greenhouse gas emissions	3,270,345.48	Ton of carbon dioxide
	Indirect (Scope 2) greenhouse gas emissions	5,148.32	Ton of carbon dioxide
	Greenhouse gas (steam and heating supply) emission intensity ²	0.1048	Ton/GJ
	Greenhouse gas (electricity supply) emission intensity	0.7881	Ton/MWH
	Direct (Scope 1) greenhouse gas (steam and heating supply) emission intensity	0.1047	Ton/GJ
	Direct (Scope 1) greenhouse gas (electricity supply) emission intensity	0.7869	Ton/MWH
	Direct (Scope 2) greenhouse gas (steam and heating supply) emission intensity	0.0002	Ton/GJ
Energy	Total energy consumption ³	3,401.56	10,000 GJ
	Energy consumption intensity ⁴ (measured in kilograms of standard coal consumption per ton of steam produced)	105	Kg/ton
	Electricity consumption	22,784.19	10,000 KWH
	Electricity consumption intensity (measured in kilowatts of electricity consumption per ton of steam produced)	20.33	KWH/ton
Water	Total water consumption	1,273.5	10,000 ton
	Water consumption intensity (measured in ton of water consumption per ton of steam sold)	1.47	Ton of water/Ton of steam
	Total amount of waste water discharge ⁵	239.2	10,000 ton
	Waste water discharge rate	0.19	Wastewater discharge amount/ water consumption amount
Amount of hazardous waste generated	29	Ton	
Amount of non-hazardous solid waste generated	416,549	Ton	
Comprehensive utilisation rate of waste	100	%	
Waste discharge rate	0.048	Ton of steam	
Operation rate of environmental protection facilities	100	%	
Disposal rate of solid waste	100	%	
Sulfur oxide emissions	213.76	Tons	
Nitrogen oxide emissions	529.57	Tons	
Dust emissions	53.34	Tons	

¹ The Group's GHG emissions are calculated based on the *Corporate Greenhouse Gas Emissions Accounting Methodology and Reporting Guidelines for Power Generation Facilities* (Revised Edition 2022) and disclosed in accordance with the carbon emission accounting data.

² The data disclosed in this report is calculated as total greenhouse gas emission divided by steam sales volume and electricity supply. The data disclosed in the Sustainability Report Summary of the 2022 Annual Report is the greenhouse gas emission per RMB10,000 of revenue and is calculated as the total carbon dioxide emission divided by the total revenue of the corresponding emitting enterprises.

³ The data disclosed in this report is calculated based on 1,161,900 metric tons of standard coal disclosed in the Sustainability Report Summary of the 2022 Annual Report and the value of heat converted from 1 ton of standard coal is approximately 29.27GJ.

⁴ The data disclosed in this report is the average energy consumption per ton of steam produced, calculated as total energy consumption divided by the volume of steam produced. In the Sustainability Report Summary of the 2022 Annual Report, it is calculated as total energy consumption divided by the total revenue of the corresponding energy-consuming enterprises.

⁵ The data disclosed in this report supplements the data disclosed in the Sustainability Report Summary of the 2022 Annual Report. The waste water discharge of 2.392 million metric tons includes an estimated amount of waste water discharged by the suppliers of directly-extracted desalinated water used by Changrun and Shantou Projects to produce steam. This estimate is calculated based on the water production process for actual steam supply and assumes a waste water discharge rate of 35% for the suppliers' full membrane water treatment system.

Social Performance

Indicator	2022	Unit		
Employment	Total number of employees	1,250	Person	
	Gender	Male employee	1,015	Person
		Female employee	235	Person
	Age	Under 30	254	Person
		31-40	485	Person
		41-50	298	Person
		Over 50	213	Person
	Total number of new employees	192	Person	
	Number of new employees by gender	Male employee	150	Person
		Female employee	42	Person
	Number of new employees by age	Under 30	66	Person
		31-40	71	Person
		41-50	51	Person
		Over 50	4	Person
	Number of staff attrition	147	Person	
	Employee turnover	10.52	%	
	Staff turnover by gender	Male employee	77	%
Female employee		23	%	
Staff turnover by age	Under 30	20	%	
	31-40	41	%	
	41-50	22	%	
	Over 50	16	%	
Training and development	Average training time of employee	29.45	Hour	
	Average training time of employee by gender	Male employee	30	Hour
		Female employee	29	Hour

Health and safety	Number of work-related deaths	0	Person
	Number of serious occupational injuries	0	Person
	Number of occupational diseases	0	Case
	Number of work safety accidents	0	Case
Percentage of female board members	13	%	
Percentage of women in the senior management	33	%	
Corruption lawsuits	0	Case	
Training session on business ethics and anti-corruption	People participated	1,250	Person
	Participation rate	100	%
Complaints caused by product quality failing to meet user requirements	0	Case	
Total number of suppliers	925	Enterprises	
Employee volunteer hours	502	Hour	

Annex II SGX Core ESG Metrics Index

Indicator			Page
Environmental	Greenhouse Gas Emissions	Absolute emissions by: (a) Total; (b) Scope 1, Scope 2; and (c) Scope 3, if appropriate	28
		Emission intensities by: (a) Total; (b) Scope 1, Scope 2; and (c) Scope 3, if appropriate	28
	Energy Consumption	Total energy consumption	25
		Energy consumption intensity	25
	Water Consumption	Total water consumption	25
		Water consumption intensity	25
	Waste Generation	Total waste generated	23
	Social	Gender Diversity	Current employees by gender
New hires and turnover by gender			36
Age-Based Diversity		Current employees by age groups	35
		New hires and turnover by age groups	36
Employment		Total turnover	36
		Total number of employees	35
Development & Training		Average training hours per employee	39
		Average training hours per employee by gender	39
Occupational Health & Safety		Fatalities	38
		High-consequence injuries	38
		Recordable injuries	38
		Recordable work-related ill health cases	38
Governance	Board Composition	Women on the board	46
	Management Diversity	Women in the management team	46
	Ethical Behaviour	Anti-corruption disclosures	46
		Anti-corruption training for employees	46
	Certifications	List of relevant certifications	Management in line with ISO 14001 standard and ISO 45001 standard
	Alignment with Frameworks	Alignment with frameworks and disclosure practices	03-04
	Assurance	Assurance of sustainability report	We have not sought external assurance for FY2022

Annex III GRI Standard Index

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GRI 2 General Disclosures 2021		
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GRI 3 Material Topics 2021		
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GRI 203 Indirect Economic Impacts 2016		
203-1	Infrastructure investments and services supported	41-42
203-2	Significant indirect economic impacts	41-42
GRI 205 Anti-corruption 2016		
205-2	Communication and training about anti-corruption policies and procedures	46
205-3	Confirmed incidents of corruption and actions taken	46
GRI 206 Anti-competitive Behavior 2016		
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	46
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302-2	Energy consumption outside of the organization	24-25
302-3	Energy intensity	24-25
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303-5	Water consumption	24-25
GRI 304 Biodiversity 2016		
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GRI 305 Emissions 2016		
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306-1	Waste generation and significant waste-related impacts	20-23
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GRI 308 Supplier Environmental Assessment 2016		
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GRI 408 Child Labor 2016		
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409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	34
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GRI 418 Customer Privacy 2016		
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Sustainability Report 2022

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