



PURSUIT OF SUSTAINABILITY

CORPORATE SUSTAINABILITY GOVERNANCE

The Group is committed to becoming a leading sustainable energy company with corporate sustainability, taking into consideration the benefits of and impacts on all stakeholder groups in its value chain.

In 2022, BCPG established a “Corporate Sustainability Committee” to formulate a corporate sustainability policy, strategy and plans consistent with the policy, strategy and operational goals of the Group, support processes which promote sustainability in all business activities of the Group, promote a sustainability culture and report progress of implementation to the public. The committee consists of representatives from relevant units and regularly and directly reports progress of the implementation to the Corporate Governance and Committee.

The Group has expanded the scope of duties and responsibility of the Corporate Governance Sustainable Development Committee to cover the Company's corporate sustainability related to good governance, society and environment. The Committee provides recommendations and direction, reviews the sustainability policy and plans, as well as monitors information disclosure to comply with international regulations and standard or the industry's standards.

In addition, the Group has a Sustainable Development section under the Corporate Strategy to ensure integration of sustainability and strategic planning, and closely monitors the implementation to be in compliance with good sustainability development practices and to achieve sustainability goals at the international level.

Sustainability Management Policy and Targets

The Group has developed a sustainable business development policy under the foundation of value creation on 3G dimensions: Growth – economic value, Good social value, and Green – environmental value based on corporate governance (Governance) foundation. The Group's sustainability principle are shown as follows:

1) Good corporate governance

Operate and manage businesses with transparency and good governance, with a stringent anti-corruption policy and comprehensive risk management of the entire value chain.

2) Collaboration with all sectors to promote sustainable development

Strengthen public awareness, collaborate with the government sector, business sector, community, and civil society to promote sustainable development through the encouragement of law and regulation formulation, and reinforce awareness of environmental and energy conservation.

3) Enhancing community energy security

Promote and support development of the local economy and community development with a focus on shared value creation through assistance on providing community accessibility to sustainable and reliable energy sources.

4) Minimizing all environmental impacts

Minimize environmental impacts from the operations and

integrate the move with the principles of "Circular Economy" to reduce resource consumption and waste.

5) Response to customers' needs and protection of customers' personal data

Manage responses to customers' needs with maximum efficiency, protect customers' personal data and privacy with state-of-the art technology and the best possible data security systems.

6) Creative business growth with environmentally friendly innovations

Consistently develop businesses with creative green innovations and technology compatible with the business strategy of maximizing value.

7) Developing organizational capability throughout the value chain

Increase organizational competitiveness and sustainable growth through development of employees, promotion of business partnership and development of competitive advantage for BCPG's business partners and contractors across the value chain.

8) Respect for diversity and safeguarding of human rights

Strive to become a reputed organization that embraces diversity and operates with zero discrimination.



Vision

Mission

Goals and Strategy

Sustainable World

Accelerate energy transition towards sustainable and reliable power through innovative energy solutions for all.

By 2025, we will be a prominent renewable energy player in Asia Pacific with sustainable growth

- Growing through smart investments, leveraging the strengths of the Group and long-term relationships with the preferred partners
- Providing energy as a service, connecting consumers and communities through innovative business platforms
- Creating values for the shareholders as a leading integrated Greenergy company with operational excellence and social and environmental responsibility

Defining Sustainability Management Targets

The Group implements six Sustainable Development Goals: Goal 3 (Good Health and Well-Being), Goal 7 (Clean and Affordable Energy), Goal 8 (Decent Work and Economic Growth), Goal 9 (Industry, Innovation and Infrastructure), Goal 11 (Sustainable Cities and Communities), and Goal 13 (Climate Action).

In addition, the Group has planned to expand the implementation to support four more Sustainable Development Goals: Goal 6 (Clean Water and Sanitation), Goal 14 (Life below Water), Goal 15 (Life on Land), and Goal 16 (Peace, Justice and Strong Institutions).

Guidelines for Driving Business to Sustainability

The Group is committed to creating a sustainable green world, and sets direction and guidelines for driving Business to Sustainability consistent with the Group's vision. The guidelines reflect the characteristics of the Group as innovative with in-depth knowledge, adherence to principles and corporate governance and transparency

(Integrity) and open to cultural diversity (International). The Group has implemented its sustainability strategy covering essential matters in every dimension, that is, economic, environmental and social dimensions under corporate governance management.

Contributions to the United Nations Sustainable Development Goals (UN SDGs)

"BCPG Energizing a Greener and Sustainable World"

Accelerate energy transition towards sustainable and reliable power through innovative energy solutions for all.

Response to the Current Sustainable Development Goals



Response to Future Sustainable Development Goals



Identification of strategic goals and implementation in responding to Sustainable Development Goals in 2022

United Nations Sustainable Development Goals (UN SDGs)		Linkage with BCPG's Operations	
Major Goals	Details	Targets	Performance in 2022
 3 GOOD HEALTH AND WELL-BEING	By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination	The goals for the quality measurement of the air in the solar power plant operating areas are consistent with the standards under the Notification of the Department of Labor Protection and Welfare.	Results from the quality measurement of the air in the operating areas of the local solar power plant projects are consistent with applicable law.
	By 2036, increase substantially the share of renewable energy in the global energy mix	BCPG focuses on investment of both commercial projects as well as new projects, and follows up on the progress of developing power generation projects, i.e. the wind power project in Lao PDR, the solar power project in Taiwan and the District Cooling project.	In 2022, BCPG produced a total of 1,178 GWh of renewable energy. The wind power project in Lao PDR and the solar power project in Taiwan progressed as scheduled while the construction of the District Cooling project will commence in 2023.
	Sustain per capita economic growth in accordance with national circumstances and, in particular, at least 7 per cent gross domestic product growth per annum in the least developed countries	The score of Employee Engagement Survey set at 79%.	In 2022, the score of Employee Engagement Survey was 72%.
 8 DECENT WORK AND ECONOMIC GROWTH	Achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value	—	Supported employment from people in the communities through the Good Job in the Village program, and more than 231 employees were recruited.
	End modern slavery and child labor in all forms	Formulate and Announce Human Rights Policy	Conducted assessment on potential human rights risks on stakeholders from activities throughout the value chain (Human Rights Due Diligence).

United Nations Sustainable Development Goals (UN SDGs)		Linkage with BCPG's Operations	
Major Goals	Details	Targets	Performance in 2022
 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities	Smart Energy business was in progress with revenue from carbon credit trading reaching Baht 10.5 million, and development of carbon credit trading platform was scheduled to be completed in December 2022	Revenue from T-VERs carbon credit trading including a green certificate totaled Baht 17 million. Carbon credit trading platform is under development and expected to be completed in December 2023.
	By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management	Zero Foam Usage on Floors 12 and 15	No use of polystyrene foam in M Tower, Floors 12 and 15.
 10 REDUCED INEQUALITIES			
 13 CLIMATE ACTION	Integrate climate change measures into national policies, strategies and planning	Greenhouse gas emissions measurement under acceptable standards, and hold activities to promote global warming solution were regularly held.	BCPG's greenhouse gas emissions within the organization have been certified. The Company also held tree-planting activities to promote green areas in the vicinity of power plants, including a concrete plan on plantation in collaboration with the Department of Marine and Coastal Resources.
	13.2.2 Total greenhouse gas emissions per year (add KPI)		

Expansion of implementation for future Sustainable Development Goals

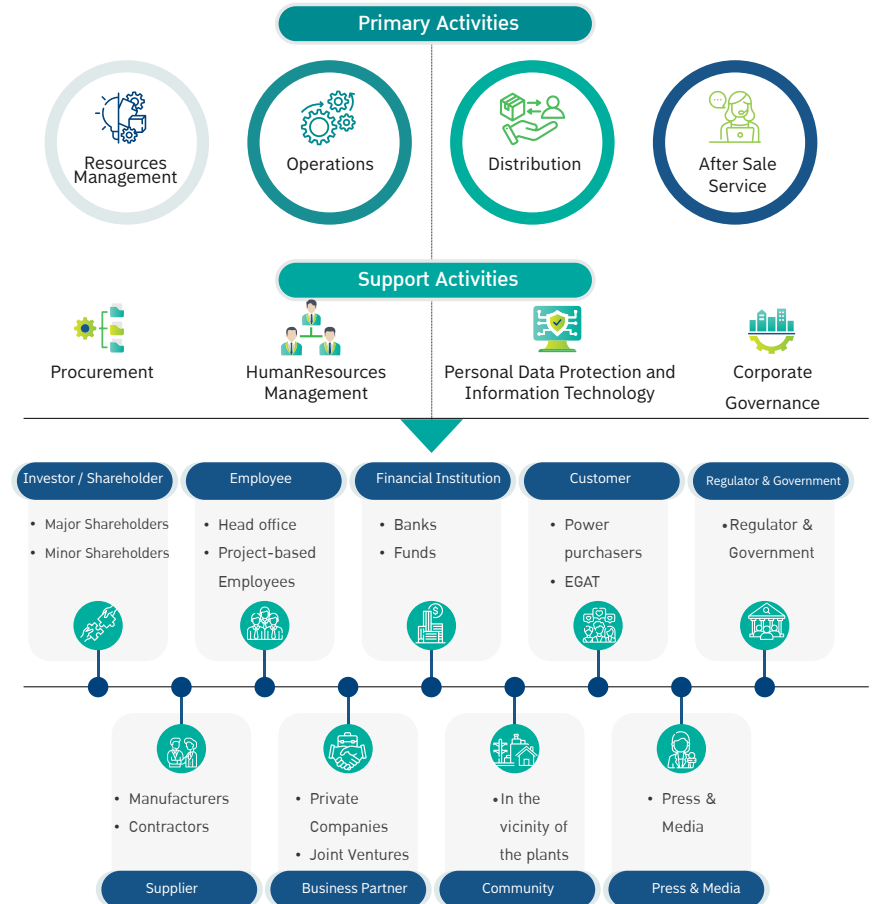
United Nations Sustainable Development Goals (UN SDGs)		Linkage with BCPG's Future Operations
Major Goals	Details	Targets
 Clean Water and Sanitation	By 2030, achieve universal and equitable access to safe and affordable drinking water for all	Analyze the quality of used water to compare with those specified in the Notification of the Ministry of Natural Resources and Environment on technical rules and measures for public health protection.
	By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally	Results of the analysis must indicate water quality within the standards of wastewater discharge specified in the Notification of the Ministry of Natural Resources and Environment on the control and industrial standards of wastewater effluent from a factory, industrial estate and operating areas, and of the Ministry of Industry.
	By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity	Conduct water stress assessment in the solar power plant areas at least once a year
 Life Below Water	Conserve at least 10 per cent of coastal and marine areas, consistent with national and international laws and based on the best available scientific information	Support mangrove plantation
 Life on Land	By 2020, promote the implementation of sustainable management of all types of forests, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation globally	Formulate biodiversity policy in order to avoid loss of biodiversity from its operations
 Peace, Justice and Strong Institutions	Broaden and strengthen the participation of developing countries in the institutions of global governance	BCPG received a score of more than 90% from the Corporate Governance Report (CGR) and the membership renewed by the Thai Private Sector Collective Action Coalition against Corruption (CAC).

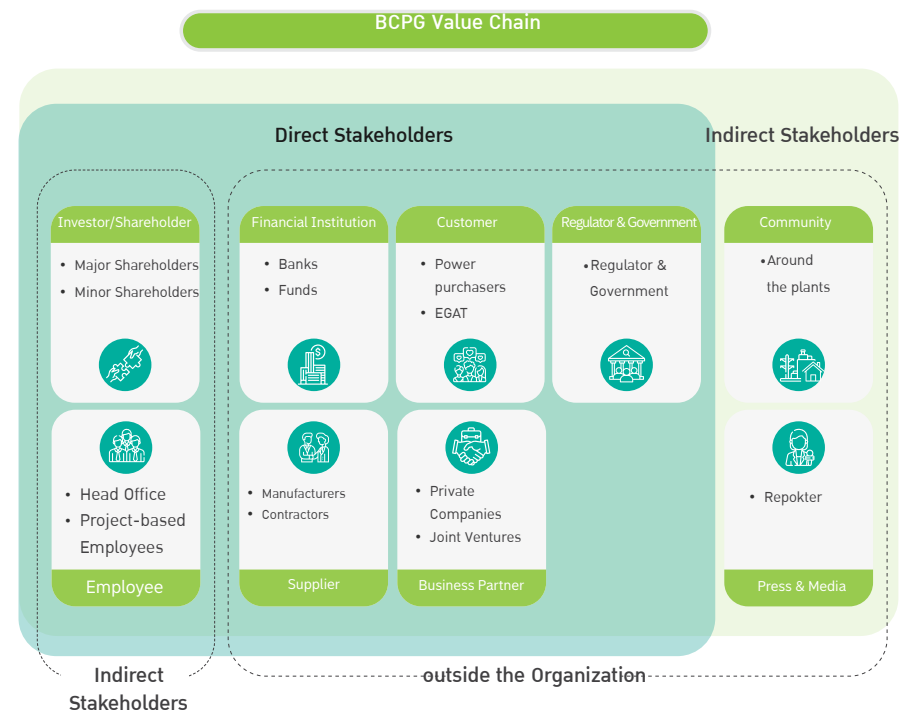
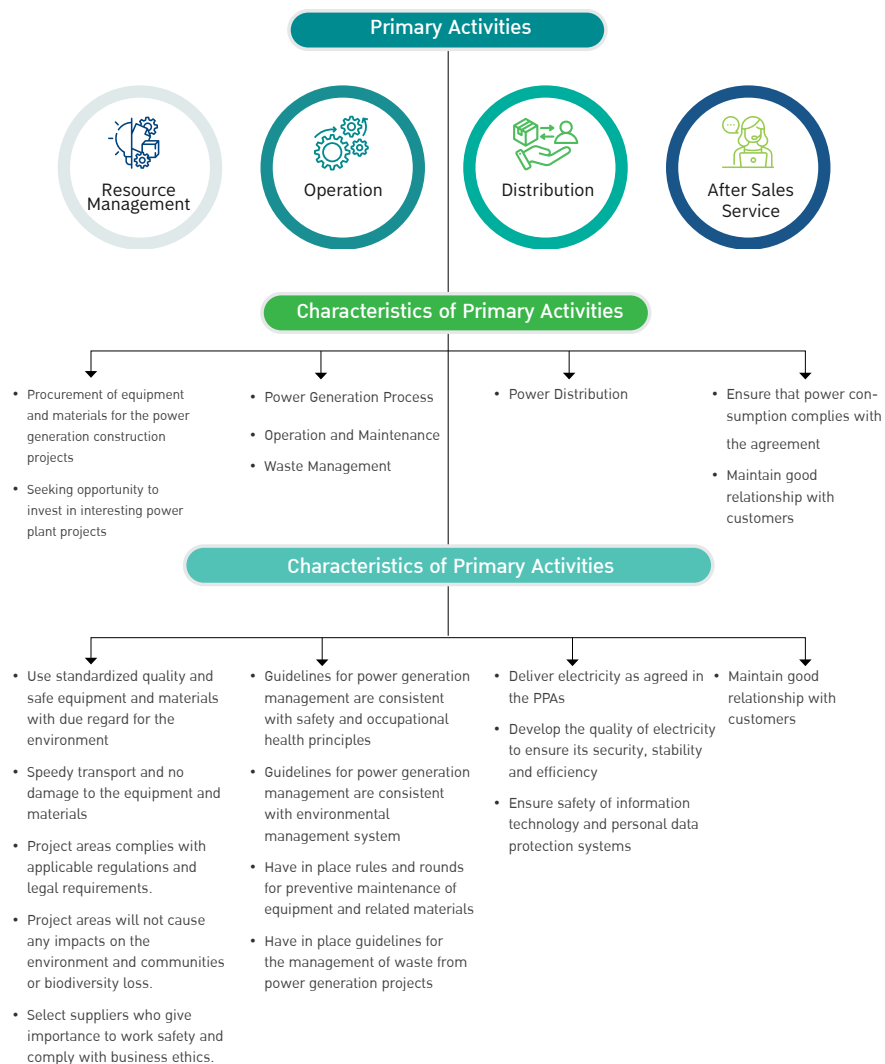
Impact Management for Stakeholders in the Value Chain

BCPG Group recognizes the importance of stakeholders in all aspects of the value chain as a key driving force in building a sustainable business through implementation of activities, good relationship with stakeholders and stakeholder engagement. It conducted assessment survey on stakeholders' opinions on the Group's internal and external sustainability to ensure that BCPG Group has considered all their concerns and issues of interest.

BCPG Group adheres to the practices under AA1000 Stakeholder Engagement Standard and has specifies nine groups of stakeholders: Employee, Customer, Supplier, Investor & Shareholder, Business Partner, Community, Financial Institution, Regulator Government and Press & Media.

Primary Activities and Support Activities throughout the value chain





Sustainability Materiality

The Group has assessed and prioritized sustainability materiality based on significance in the opinions of stakeholders within and outside the organization. Identification and prioritization of materiality are conducted under Global Reporting Initiative (GRI) sustainability reporting standards as follows:

1) Identification

BCPG takes all related sustainability materiality issues into consideration under related standards, as well as emerging risks and opportunities in the energy sector, stakeholders' expectations across the supply chain to ensure that relevant sustainability aspects are covered.

2) Prioritization

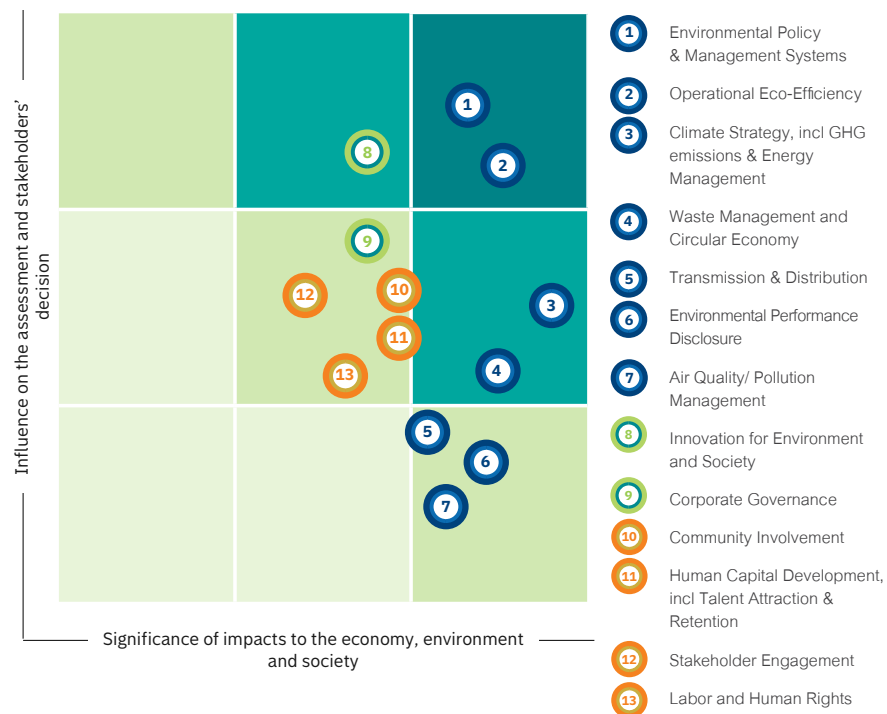
Given the results of the stakeholders' opinion survey, the Corporate Sustainability Taskforce held workshops with concerned management from each line of business for their opinions. Inputs from the workshops and opinion survey are used in prioritizing essential matters of the Company to formulate sustainability strategy and corporate goals.

3) Validation

The Corporate Sustainability Committee has reviewed and validated the result of the materiality assessment and reported the findings to management for consideration and approval, and reviewed expectations and concerns of all groups of stakeholders. It also allows the Company to understand the importance of the materiality issues and respond to each issue accordingly.

Identification and Prioritization of Material

The results of the sustainability materiality assessment appear in the table below, which shows perspectives from within the organization of impacts to the economy, environment and society from BCPG's operations, and perspectives from outside the organization on stakeholders' expectations and concerns, to understand the Group's materiality issues for further sustainability development of the Company as well as of the stakeholders throughout the value chain.



4) Review & Evaluation

BCPG regularly reviews and updates emerging issues consistent with its context, as well as social and industrial conditions, to ensure that these issues are up-to-date and to prepare for energy transition and unexpected events.

Through the assessment, BCPG identified 13 materiality issues over its business activities, operations and growth:



Stakeholders	Issues of Interests Expectations	Actions & Responses
Employee	- Business growth with environmental and social responsibility - Labor and Human rights including occupational health and safety - Workplace environment (Happy Workplace) - Skill development - Career path and stability - Fair compensation, welfare, and benefits	- Communicate with employees about current business achievement - Raise awareness through Circular Economy Project, Year 2, to solve problems on global warming with the 3Rs principles - Ensure compliance with Thai labor standards and treat employees with respect following human rights principles through establishment of labor union to protect employees' interests - Establish the Safety and Occupational Health Committee to manage and monitor environmental impacts in the organization, to protect and mitigate work hazard and maintain zero-accident measures - Establish program(s) for development of employees at all levels under the Individual Development Plan to enhance qualified employees with various skills - Provide employees with fair compensations and benefits by comparing with companies in the same industry
Customer	- Business ethics, and compliance - Business growth - Cybersecurity - Climate-related opportunities and environmental concerns - Energy innovation management (energy innovation) - Safe working environment - Readiness of information and response to customer's enquiry, including information accuracy	- Ensure compliance with applicable laws and regulations relevant to business operation and inspect the operations of the business lines in the Company - Enforce the data protection management in compliance with Personal Data Protection Act B.E. 2562 (2019) and continuously maintain data protection and storage in accordance with ISO 27001 standard (Information Security Management System) - Provide necessary training for employees on information security awareness and establish channel for reporting on receiving suspicious email - Inspect electricity consumption using the Corporate Energy Audit Management process - Maintain safety and occupational health management in accordance with ISO 45001 standard - Cooperate for responding to enquiries with accurate information and timely manner

Value Creation	Engagement & Communication Approaches
- Maintain long-term relationships with employees and career stability - Provide safe working environment for employees, including minimization of work-related accidents/injuries - Raise employees' awareness on environmental management and sustainability for further improvement and development - Provide career promotion and stability	- Annual employees' engagement and opinion survey - Company-wide communication between HR Department and employees via E-mail, Intranet and Mobile Application - Meeting management - Quarterly meeting management (Talk to You activity) - Appointment of Welfare Committee - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpgroup.com/en/corporate-governance/whistleblowing-channel)
- Maintain efficient power distribution as agreed in the PPAs - Deliver quality product and services as expected, including prompt problem-handling - Maintain positive relationship and long-term trust with customers - Strengthen cybersecurity in energy sector	- Customer satisfaction survey - Annual customer visits and meetings - Mutual agreement in writing - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpgroup.com/en/corporate-governance/whistleblowing-channel)

Stakeholders	Issues of Interests Expectations	Actions & Responses
Supplier & Contractor	- Business ethics and transparency - Business growth - Labor and human rights - Environmental awareness	- Establish the standardized supplier code of conduct, communicate to suppliers and conduct an ESG assessment - Maintain good relationship with suppliers and gain their trust in transparent and auditable procurement procedures, including rapid response and promotion of human rights and labor affair - Establish and enforce sustainable supply chain to better mitigating risk and growing together with suppliers, i.e., registration for approved vendor list (AVL), supplier risk assessment and evaluation - Development partnership projects including capacity building through training - Set a fair schedule of payment to suppliers
Shareholder & Investor	- Business ethics and transparency - Business growth (e.g., direction, progress of project) - Business performance (e.g., shareholder returns) - Compliance with SET's notification and criteria on information disclosure - Environmental and social responsibility in business operation - Energy innovation	- Strictly comply with the business code of conduct and ensure compliance with applicable laws and regulations relevant to business operation - Disclose the proper information with transparency and in timely manner. The disclosed information is easy-to-use and easily accessible on company website, i.e., factsheet, company profile and operation results - Appoint an investor relations department to accommodate proper liaison with shareholders and investors and cooperate for responding to enquiries with accurate information and timely manner - Disseminate opinions and questions received from investors to the management - Make the payment of dividends to the shareholders appropriate to the operating results and BCPG's policy - Explore clean and affordable energy investments
Business Partner	- Business ethics and transparency - Business growth – renewable energy direction - Business operation and performance including environmental and safety management, and social consideration	- Strictly comply with the business code of conduct and ensure compliance with applicable laws and regulations relevant to business operation - Support energy policy and practice of relevant government authority - Collaborate in business development, e.g., expansion of energy storage business in potential areas - Collaborate in innovation development for better performance, e.g., improvement of battery storage for enhancing performance

Value Creation	Engagement & Communication Approaches
- Maintain positive relationship and long-term trust with suppliers - Promote supplier's sustainable development - Share ESG knowledge - Maintain financial liquidity of business partners	- Supplier meeting - Supplier assessment and evaluation including auditing program - Supplier training - Registration in the Approved Vendor List (AVL) - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpvggroup.com/en/corporate-governance/whistleblowing-channel)
- Adhere to good corporate governance principles - Disclose transparent and accurate information to SET - Maintain long-term confidence and trust with shareholders and investors - Promote green investment or sustainable finance - Deliver strong performance for shareholders/investors who support clean energy	- Meeting between BCPG and shareholders/investors, i.e., analyst meeting (quarterly), roadshow, company visit, conference call, Annual General Meeting (AGM), SET Opportunity Day, management discussion and analysis (MD&A), etc. - Discuss, analyze and respond to enquiries and comments through investor relation activities/channels, i.e., teleconference, email, Facebook, website, etc. - Disclose information to SET - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpvggroup.com/en/corporate-governance/whistleblowing-channel)
- Adhere to good corporate governance principles - Maintain long-term confidence and trust with business partners - Contribute to Thailand energy transition to clean energy and to regional expansion of affordable renewable energy - Contribute to advocacy of future demand of renewable energy	- Meetings as appropriate - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpvggroup.com/en/corporate-governance/whistleblowing-channel)

Stakeholders	Issues of Interests Expectations	Actions & Responses
Community	- Business impacts on the community and the environment - Business commitment on local employment - Engagement of community including supporting communities' activities	- Strictly comply with applicable environmental and safety laws and regulations relevant to business operation - Hire local people in the surrounding communities near the power plants - Support community activities in forms of monetary and non-monetary as appropriate, such as sports activities and educational activities on a regular basis as well as educate youth in the vicinities on clean energy - Share resource for creating benefit/value for surrounding communities, e.g., installing solar rooftop system for the hospitals in the company's operating areas
Financial Institution	- Business ethics and transparency - Compliance with applicable law including environmental and safety management in business operation and loan agreement - Business awareness on social consideration including stakeholder participation - Risk management	- Strictly comply with conditions of loan agreements and other specific conditions issued by the financial institutions - Strictly comply with the rules and regulations of public finance institutions - Cooperate for responding to enquiries with accurate information and timely manner
Regulator & Government	- Compliance with applicable laws and regulations - Business ethics and transparency - Environmental and social consideration for business direction - Collaboration with government sector in supporting development of energy and provision of accurate information	- Strictly comply with the business code of conduct and applicable laws and regulations relevant to business operation - Provide, respond and clarify with accurate information within determined period - Operate business with due care and minimize potential environmental and social impacts, i.e., maintain implementation of environmental management in accordance with ISO 14001 standard and safety management in accordance with ISO 45001 standard - Inspect the operations of the business lines in the company - Cooperate and support government authorities to promote environmental and social implementation, e.g., provision of technical expertise and exchange knowledge to improve energy policy

Value Creation	Engagement & Communication Approaches
- Minimize impacts from business operation to community and environment - Maintain relationship and long-term trust with surrounding communities, including community cooperation for future opportunity - Contribute to reduction of country's unemployment rate, generate income and develop quality of life of people in the vicinities of the power plants	- Engagement of people in local community such as village chief, community representatives by local staff working at operating site - Community opinion survey either annual survey or for specific purposes, e.g., prepare/update Code of Practice (COP) - Quarterly community and environmental activities - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpgroup.com/en/corporate-governance/whistleblowing-channel)
- Adhere to good corporate governance principles - Maintain long-term confidence and trust with financial institutions - Support movement and dynamic in sustainable finance - Maintain a healthy balance of the finance and debt markets	- Meeting between BCPG and financial institutions, i.e., meeting with management, meeting with analyst, regular discussion (physical at BCPG's premise or online platform where appropriate) - Prepare contracts and agreements in writing - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpgroup.com/en/corporate-governance/whistleblowing-channel)
- Adhere to good corporate governance principles - Maintain positive relationship with regulators and government sector to gain long-term confidence and trust - Reduce of potential conflict with government agencies through accurate and transparent information - Assist in driving disclosure transparency contribute to the calibration of national energy policy and practice as well as affordable of cleaner energy - Contribute to the Nationally Determined Contributions (NDCs) in GHG emissions	- Meeting and business visit in various occasions - Engage in and support projects of government agencies - Response of information upon request - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpgroup.com/en/corporate-governance/whistleblowing-channel)

Stakeholders	Issues of Interests Expectations	Actions & Responses
Press & Media	- Information transparency and disclosure, e.g., business growth (direction/expansion/ progress), awareness on environment and social consideration - Communication channels – easily accessible and convenient, prompt response	- Disclose up-to-date information through company's communicating platforms - Appoint a corporate communication department to accommodate proper liaison with press and media - Respond to enquiries with accurate information and timely manner

Value Creation	Engagement & Communication Approaches
- Maintain positive relationship with media and gain public trust - Provide easy access to accurate and factual information for the public - Assist in raising standards for disclosure transparency - Promote corporate sustainability in energy sector	- Press release on regular basis - Media interviews and meeting, e.g., giving interviews on project operation or business situation - Business visit - Organizing activities for media relationship, e.g. media visit on special occasions, annual media thank you party, etc. - Annual 56-1 One Report and company website - Complaint and whistleblowing channels (https://www.bcpgroup.com/en/corporate-governance/whistleblowing-channel)

3.3 Sustainability Management in Environmental Aspects

BCPG Group is committed to managing and resolving environmental issues, environment quality, resource optimization, and reduction of impacts from climate change with due regard for biodiversity in its investment to ensure its stakeholders of its operations in compliance with the corporate governance code, minimization of environmental impacts and response to the sustainable development goals (SDGs), as seen in the Group's environmental management guidelines under the "Sustainable Business Development Policy".

Sustainable Business Development Policy relating to environmental aspect

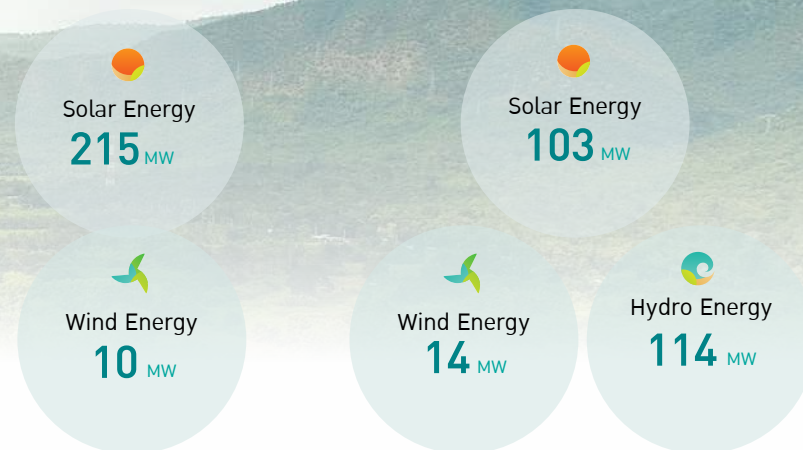
- Minimizing all environmental impacts**
 Minimize all environmental impacts from business operations and integrate the move with the principle of "circular economy" to reduce resource consumption and waste.
- Protecting biodiversity from potential impacts from the operations**
 Avoid any operation which might impact biodiversity, mitigate impacts, restore and compensate for any potential damage to prevent biodiversity loss.
- Achieving creative business growth with green innovations**
 Consistently develop businesses with creative green innovations and technology compatible with the business strategy of maximizing value.

Installed Capacity in year 2022

Progress of Capacity Target for 2022

Domestic Operating Capacity

Foreign Operating Capacity



Environmental Quality Management and Performance in 2022

Energy Management

BCPG Group's energy management in Thailand consists mainly of energy management of offices and power generation projects.

BCPG Group commands a total of 20 plants for domestic solar and wind energy projects under its control. Though most plants are based on renewable energy, BCPG Group commands systematic management for energy and resources. A Code of Practice (CoP) has been prepared for solar power projects, and reports on the implementation under the power projects are routinely submitted to the Energy Regulatory Commission Office.

BCPG assigns the "Safety Health and Environment Committee" to oversee and define goals, control and monitor the management of energy and the environment in BCPG's rental office premises at M Tower, Floors 12 and 15, in Bangkok. Performance of the plants and office energy management in 2022 is summarized below:

Energy Consumption in 2022

Energy Consumption	Unit	2022
Energy Consumption (Plants)		
Non-Renewable Energy (Non-Renewable Energy : Plants)		
Diesel Consumption (Mobile Combustion)	Megajoules	1,193,872.04
Gasoline Consumption (Mobile Combustion)	Megajoules	197,163.96
Energy Consumption (M Tower, Floor 12 and Floor 15)		
Non-Renewable Energy (M Tower, Floor 12 and Floor 15)		
Diesel Consumption (Mobile Combustion)	Megajoules	590,788.20
Gasoline Consumption (Mobile Combustion)	Megajoules	360,599.91
Total Non-Renewable Fuels Consumed	Megajoules	12,928,457.26
Electricity Purchased for Consumption		
Energy consumption (Plants)	Megajoules	9,735,768.00
Energy consumption (M Tower, Floor 12 and Floor 15)	Megajoules	850,265.16
Total Electricity Purchased for Consumption	Megajoules	10,586,033.16
Self-Generated Electricity Sold		
Self-generated electricity from renewable sources not consumed	Megajoules	1,139,472,853.20
Self-generated electricity from renewable sources sold	Megajoules	1,139,472,853.20
Total Energy Consumption within the Organization	Megajoules	23,514,490.42

Remarks :

1. Conversion Factors based on the Energy Statistics of Thailand 2022 publication, * Prepared by The Office of Energy Policy and Planning, Ministry of Energy (Page 224-226)
2. There was no report on renewable energy consumption in 2022 by BCPG Group.
3. Energy consumption reported was the data under the control of the organization and only from domestic projects.
4. The above data are not yet certified by a third party.
5. In 2022, there was no external energy consumption.

Greenhouse Gas (GHG) Emissions Management

The Group recognizes the significance of being a part of environmental conservation and clean-energy operation with social responsibility to promote and support sustainable development.

BCPG has defined a sustainable development policy and guidelines for environmental practices, which are included in its Corporate Governance Policy with the following essential aspects:

- Comply with applicable laws and regulations as a minimum
- Perform duties safely and ensure no impact on the Company, communities and the environment.
- Conscientiously optimize resources
- Support and develop procurement design for continuously

Carbon Footprint for Organization

BCPG is concerned about the negative impacts of business activities on the environment and recognizes that GHG emissions are a major contributor to climate change. Therefore, BCPG monitors the amount of GHG emissions from its operations every year.

For the scope of GHG emission reporting, the Company monitors GHG emissions from all projects located in Thailand. The carbon footprint is reported under the control approach and covers major GHGs: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFC), perfluorocarbons (PFC), sulfur hexafluoride (SF₆), and nitrogen trifluoride (NF₃). The Carbon Footprint report follows the "GHG Protocol Corporate Accounting and Reporting Standard" of the World Resources Institute.

In addition, this year the Company expanded its reporting scope to Scope 3 emissions, which covered product life cycles under the "GHG Protocol Corporate Value Chain Standard", World Resources Institute.

BCPG Group has set guidelines to pave the way to a ZERO emission organization, taking into consideration possibility in reducing carbon emission from all processes, including EV replacement, reforestation and clean technology.

GHG Emissions from Scope 1 and Scope 2 in 2022

GHG Emissions (Unit: ton CO ₂ eq) 305-1,305-2	2022
Total Direct Emissions from Scope 1	272.58
Mobile Combustion from Vehicle Use on Plants	104.07
Mobile Combustion from Management Vehicle	140.78
Waste Water Treatment and Discharge (Fugitive Emissions)-Plants	27.74
Scope 2 Emission- Electricity Purchased	1590.50
(Gross Location-based Scope2 GHG Emissions)	1590.50
Other Indirect Emissions [Scope3]	160.91
1. Waste Generated In Operations (M-Tower)	75.03
2. Business Travel (Domestic flights) (Corporate)	3.31
3. Business Travel (International flights) (Corporate)	75.97
4. Business Travel (Hotel and Accommodations) (Corporate)	3.27
5. Waterwork (Plants)	3.34
Total Carbon Footprint organization [Scope1, Scope 2 and Scope3]	2,024

Remarks :

1. Emission factor for gasoline and diesel refers to IPCC 2006, Vol. 2, Ch3, Table 3.2.1
2. Emission factor refers to EPPO, Energy Statistics, Table 9.1-15: CO₂ Emission per kWh (2021)
[http://www.eppo.go.th/index.php/th/energy-information/static-energy/static-co2?orders\[publishUp\]=publishUp&issearch=1](http://www.eppo.go.th/index.php/th/energy-information/static-energy/static-co2?orders[publishUp]=publishUp&issearch=1)
3. Global Warming Potential (GWP) refers to AR4
4. Information under verification

GHG Emissions from Scope 3

This year, BCPG Group expanded its carbon footprint reporting scope to Scope 3 emission, which covers the impacts from its value chain or emissions from cradle to grave. BCPG Group has considered indirect activities which are major contributors to GHG emissions (Scope 3) following the "GHG Protocol Corporate Value Chain Standard", World Resources Institute. The Company has defined emissions sources for Scope 3 and set selection criteria as follows:

- 1) Major GHG emission sources
- 2) Systematic data collection
- 3) Risk and impact that may be caused by business activities or external influence
- 4) Business interest activities.

For each criterion, scores rank from 0 to 3 (0 is no score and 3 is the highest score). All issues carry fair weight. If any Scope 3 emission activities trigger the criteria, they are included in Scope 3 reporting.

GHG emissions intensity within the organization per unit of generated electricity

BCPG Group has defined GHG emissions intensity by dividing the absolute GHG Emissions by the generated electricity in all domestic projects. The intensity is as follows:

GHG emissions intensity (Scope 1 and Scope 2)	0.0061	ton Co ₂ eq : MWh
GHG emissions intensity (Scope 1 and Scope 2) per generated electricity unit	1,863	ton Co ₂ eq
Generated electricity	317	GWh

GHG emissions intensity (Scope 1, Scope 2 and Scope 3) per generated electricity unit	0.0066	ton Co ₂ eq : MWh
GHG emission intensity (Scope 1, Scope 2 and Scope 3)	2,024	ton Co ₂ eq
Generated electricity	317	GWh

BCPG receives the Certificate of Carbon Footprint Organization granted by Thailand Greenhouse Gas Management Organization (Public Organization). The report covers all business operations in Thailand including Solar Energy Business and Wind Operations. The reporting year based on 2019 operations. All data is verified by accredited third-party verifier.



Thailand Voluntary Emission Reduction (T-VER) Program

The Group takes GHG emissions reduction very seriously and joined the Thailand Voluntary Emission Reduction Program (T-VER) under Thailand Greenhouse Gas Management Organization (Public Organization) (TGO) by promoting and supporting voluntary GHG emissions reduction of every sector and offsetting carbon credit under the Thailand Voluntary Emission Trading Scheme.

TGO has established criteria and procedures for project development, a GHG emissions reduction protocol, and registration and certification. Each project must reduce/absorb domestic GHG emissions, which are sources of global warming. The Group's participation is as follows:

Carbon Credit Certified by T-VER Program

Project	Period	Certified Carbon Credit (TonCO2e/kWh)
BSE Grid-Connected Solar PV Project Chaiyaphum Province	01/02/2558-31/01/2565 (PDD)	211,236
BSE -BRM Grid-Connected Solar PV Project Buriram Province	01/02/2559-31/01/2565 (PDD)	53,389
BSE -BRM1 Grid-Connected Solar PV Project Buriram Province	01/02/2559-31/01/2565 (PDD)	51,737
BSE - BPI Grid-Connected Solar PV Project Phra Nakhon Si Ayutthaya Province	01/02/2559-31/01/2565 (PDD)	178,471
25- Megawatt Photovoltaic Power Plant Project of Bangchak Solar Energy Phra Nakhon Si Ayutthaya Province	01/02/2559-31/01/2565 (PDD)	102,973
12.5- Megawatt Photovoltaic Power Plant Project of Bangchak Solar Energy Nakhon Ratchasima Province	01/02/2559-31/01/2565 (PDD)	51,306
12.5-Megawatt Photovoltaic Power Plant Project of Bangchak Solar Energy Chaiyaphum Province	01/02/2559-31/01/2565 (PDD)	53,216
10 MW Wind Power Plant (LLG) Nakhon Si Thammarat Province	01/05/2562-30/04/2569 (PDD)	5,470
20.94-MWdc Solar Power Plant (BCPF) (3 Agricultural Cooperatives and 2 Veteran Welfare Offices)	01/08/2561-31/07/2568 (PDD)	26,625

Remarks :Information as of July 18, 2022



Water Management

Water Management Process

BCPG Group recognizes the value of water resources and emphasizes its importance through site selection, construction preparation, and project operation in strict compliance with the code of practice (COP) for solar photovoltaic operators and operates the business in strict compliance with the environmental management standard (ISO 14001) in the monitoring and mitigation of impacts from the Group's operations.

Water storage for panel cleaning and water storage system

- Assess sufficiency of water for panel cleaning without causing any impacts on the community and the surrounding areas
- Inspect water storage levels regularly to ensure non-spillage

Systematic flood prevention

- Prepare a flood prevention plan to mitigate flooding of surrounding areas

Inspection of water drainage systems

- Regularly inspect water drainage systems to ensure smooth drainage
- Maintain and inspect the systems to ensure good conditions
- Provide training for employees and contractors to ensure their work safety and reduce impacts on related parties, whether inside or around the community.

In 2022 there was neither water shortage for the Group's renewable-energy production projects nor any dispute or controversy on water-sharing with surrounding communities.

In addition, BCPG Group has monitored the raw water consumption of domestic solar and hydro power projects in which BCPG has controlling power. Though water is not a main factor in renewables power generating processes, the Group recognizes the importance of water resource management.

In 2022 BCPG started analyzing the water stress of watershed areas where the Company has been using water sources to comply with SDG 6: Clean Water and Sanitation.

Water consumption and ratio of power production for 2022

Description	M-TOWER				Domestic Power Projects			
	2019	2020	2021	2022	2019	2020	2021	2022
Water reduction target (against 2019)	-	8	8	8	-	10%	10%	10%
Unit: cubic meter								
Piped water/ground water consumption	157	130	69	225	30,799	33,666	39,444	31,688
Unit: Cubic meter								
Generated electricity	-	-	-	-	295	297	332	317
Unit: GWh								
Ratio of water consumption/generated electricity	-	-	-	-	-	11%	12%	10%
Unit: Cubic meter/1,000 GWh								

Remarks :

1. Goal for water consumption reduction for M-Tower is set at 5% against the 2021 base year, or equivalent to 8 cubic meters per year
2. Goal for water consumption reduction for domestic power production is the ratio of piped water or groundwater consumption per generated electricity of less than or equivalent to 10% of the 2019 base year.
3. The volume of water consumption at M-Tower in 2018- 2021 was the data for Floor 12, while the data in 2022 are made up of data for Floors 12 and 15.
4. The company did not collect the volume of water discharge from its domestic operations.
5. Data have not been compiled.

Waste Management

BCPG Group is concerned about the management of waste from the Group's business processes. As BCPG's main sources of feedstock for its power generation processes are from renewable energy, the waste from these processes is quite low. Waste from BCPG Group's business operations is divided into waste from office buildings and waste from power generation processes.

Office Waste

BCPG rents its offices at M Tower, Floors 12 and 15. Most of the waste is general waste or non-hazardous waste such as packaging, food scraps and litter. The "Safety Health and Environment Committee" is responsible for the defining of the office waste reduction goal, including guidelines for office waste management with separate waste bins: a wet bin for food waste, a recycle bin for packaging which can be reused, and a general waste bin.

In 2022 the Safety Health and Environment Committee has set a Zero-Foam goal for office buildings and organized campaigns on the right way of garbage-sorting in the office, with the amount of garbage this year recorded. Activities were promoted to educate employees on the value of waste and waste optimization. As a result, no foam was used in the office in 2022.

Waste from Power Generation Processes

As BCPG's power generation processes are based on renewables, waste from the production processes is quite low. However, the Company is concerned about waste from its operations, from construction preparation, operation processes, to the decommissioning of equipment and materials. The Company has established environmental protection and mitigation measures and environmental impact monitoring measures under the COP for solar photovoltaic operators.

For project development of over 1,000 KVA, the site for the project must not be located in conservation areas under the Enhancement and Conservation of National Environmental Quality Act, B.E. 2535 (1992) and the announcement of the Department of Natural Resources and Environment on defining environmental areas and protection measures.

For waste from power generation processes, BCPG values the management of solar panels and equipment degraded and damaged beyond insurance. Degraded panels removed must be transported and destroyed by a third party with a license for hazardous waste management as defined by the law, either by secure landfill or any other means as stipulated by the law on hazardous waste management.

In general, the lifespan of a solar and a wind power plant is 25 years to the termination of agreements and the decommissioning. BCPG has monitored the most appropriate means for the management of depreciated equipment and materials from renewables power plants with a commitment to minimizing environmental impacts from the Group's operations.

Management of Waste from Power Generation Processes

In 2022 BCPG established measures to manage hazardous waste from its project areas. Degraded panels and related electricity generation equipment and electronics equipment will be first recycled. Degraded panels may be used in other areas where the Company operates, such as donation to hospitals with sufficient areas for solar electricity generation to reduce their burden from electricity bills, or they may be used as spare parts for other projects. The aim is to maximize the use of solar panels and reduce hazardous waste before it is sent to landfill.

Operations Waste in 2022

Corporate Waste	Tons
Office waste	29.7
Degraded solar panels	286.2

Remarks :

1. Office waste included food scraps, litter, plastic cups, and bottles.
2. Office waste is calculated from the average of waste per person per day, based on pollution control department and BCPG's workdays in 2022.
3. In 2022, there is no leakage from our operations.



Sustainability Management in Social Aspects

BCPG Group values efficient management with social responsibility by forging trust and confidence among all stakeholders, including the promotion of the Group's sustainable growth with the respect for human rights of all employees, business partners, suppliers and contractors.

BCPG Group also takes seriously support to the community economy through employment of people from surrounding areas of the plants and provides training on professional skills and innovation creation and technology to enhance local as well national economy as a response to SDG 8: Decent Work and Economic Growth, in particular, Goal 8.5 "Achieve full and productive employment and decent work for all women and men, including young people and persons with disabilities, and equal pay for work of equal value".

Corporate Responsibility for Respect of Human Rights Policy

BCPG Group recognizes the importance of respect for and protection of human rights. Moreover, human rights risk assessment is conducted for all activities throughout the business value chain which affect groups of stakeholders. The assessment covers social and environmental issues in strict compliance with the code of human rights, international practices, and relevant laws in each country to provide a model for business organizations that will experience continuous growth and forge an equal and thorough engagement.

Human Rights Management Guidelines

BCPG Group conducts its business in adherence to the code of human rights throughout the business value chain and encourages the treatment of everyone with respect, fairness, honor, human dignity, equality, with respect for the rights, freedom, and equality of individuals without any discrimination on the grounds of race, nationality, birthplace, religion, gender, skin color, language, belief, education, ethnicity, disability, political opinions, economic status, group participation, or any other social status that is unrelated to the performance of work or other matters, with the following actions:

1. The Group shall avoid acts or engagements that violate human rights or present an adverse effect on human rights and shall neither neglect nor ignore any act that is considered a violation of human rights by BCPG Group. This matter should be reported to the supervisor, and full cooperation shall be given to the examination of facts
2. BPCG shall conduct a thorough examination of human rights for impacts that have occurred or may occur in connection with business activities throughout the value chain to avoid, prevent, and mitigate any impact in a participative manner, thus ensuring that the services and manufacturing of goods, treatment of labor, treatment of suppliers, creation of a work environment, and any joint investment will not have any adverse effect on human rights for stakeholders. BCPG will show responsibility to both society and the environment while being a good neighbor
3. BCPG shall analyze and assess any impact that has occurred or may occur due to business operations and the human rights risk
4. BCPG shall cultivate this policy among all related parties, setting out an applicable management framework, as well as communicating, disseminating, and educating related parties throughout the value chain, such as suppliers and contractors to bring about engagement in the operation. This practice serves as guidelines for business operations with responsibility and respect for human rights
5. BCPG shall establish communication channels that fit all stakeholders and whistleblowing or complaint channels about violation of human rights, any incident of discrimination due to the impacts of the business operations of BCPG Group. Moreover, BPCG will conduct an examination of the impacts of the whistleblowing process or other mechanisms, such as negotiation, mediation, remedial measures, taking into account morality, accessibility, and fairness in accordance with the code of human rights, as well as the confidentiality of all information
6. BCPG shall monitor, report, and publicize information on impact assessment and performance results on human rights in the interest of transparency.

Treatment of Employees and Labor

BCPG Group recognizes the importance of employee stewardship by establishing guidelines for defining fair long-term and short-term compensation for employees in accordance with performance KPIs, including the rights and welfare, against other listed companies. BCPG's recruitment of permanent employees, new employees, rate of resignation, and maternity leave are shown below:



Permanent Employees in 2022

Permanent Employees	Workplace		Total (Person)	Percentage of all employees
	Bangkok (Person)	Others (Person)		
Male				
Below 30 years old	1	5	6	5%
30 – 50 years	20	28	48	41%
Over 50 years	7	0	7	6%
Total	28	33	61	52%
Female				
Below 30 years old	4	0	4	3%
30 – 50 years	44	4	48	41%
Over 50 years	5	0	5	4%
Total	53	4	57	48%
Grand total	81	37	118	100%

Remarks :
 1. "Others" means renewables power plants located in Thailand only. 2. Information as of December 31, 2022.
 3. The number of the handicapped and underprivileged in all places is 0.

New Employees in 2022

New Employees	Workplace		Total (Person)	Percentage of employees
	Bangkok (Person)	Others (Person)		
Male				
Below 30 years old	1	1	2	2%
30 – 50 years	9	0	9	8%
Over 50 years	0	0	0	0%
Total	10	1	11	
Female				
Below 30 years old	3	0	3	3%
30 – 50 years	17	0	17	14%
Over 50 years	0	0	0	0%
Total	20	0	20	
Grand total	30	1	31	

Remark :
 1."Others" means renewables power plants located in Thailand only. 2.Information on new employees is from January to December 2022.
 3. Percentage of employee turnover is 22% (as of December 31, 2022).

Number of Female Employees with Maternity Leave in 2022

Number of Female Employees and Maternity Leave	Bangkok	Others
employees	48	4
Employees who applied for maternity leave	2	0
Employees who returned to work after maternity leave	2	0
Employees who returned to work after maternity leave and were employed for another 12 months	1	0
Percentage of returning to work after maternity leave	100%	-
Percentage of employment retention after maternity leave	100%	-

Remarks :
 1. The number of female employees entitled to maternity leave was defined as any female employees age under 50. 2. "Others" means renewables power plants located in Thailand only. 3. Information from January to December 2022.

Human Resource Development Policy

BCPG Group commands a policy on continuing training of its personnel to enhance their knowledge, skills and expertise as well as performance efficiency of all employees. Employees are encouraged to develop their knowledge and skills through on-the-job training. Internal training on knowledge and experience-sharing is also regularly organized. Executives and employees from different business functions will be sent to attend training and seminars related to their work so that they may apply the knowledge to improve the Company's operations.

Guidelines for Personnel Development Management

BCPG Group has formulated training plans for personnel development, which fall into two categories:

1. Core Competency

The development of core competency (mandatory program) is to enhance knowledge and basic skills necessary for sustainable business operations, such as the induction program, foundation competency, leadership competency, and future building competency.

2. Functional Competency

The development of specific competency in relation to business (key business success program) is to enhance specific knowledge and skills essential to business success, which cover:

- Common competency such as finance, accounting, human resources, law, and IT
- Technical competency in relation to business operations, such as solar, wind and hydro power, energy storage systems, and transmission lines.

In addition, the Group applies technology systems which support the learning process and personnel development via its internal IT system to increase the efficiency of information management and provide ready access for employees to information on learning and training.

Human Resource Development Performance

The Group has engaged third-party providers with vast experience and expertise in specific fields to conduct training for employees to encourage them to develop their knowledge through internal and external training. It arranged monthly knowledge management sessions, a knowledge test to encourage knowledge and experience-sharing, lessons learned and tips and tricks among employees.

The Group has set individual development plans (IDPs) and knowledge-sharing as one of the corporate KPIs.

In 2022 the Group organized training throughout the year. The training for 2022 included an in-house training and public training, with a total training investment of Baht 3.2 million and average training hours per person of 34 hours/year.

Guidelines for Personnel Retention

BCPG Group has set guidelines for fair treatment of employees with respect for human right and without gender discrimination through appropriate and fair compensation, welfare and other benefits which are not less than those stipulated by the law and competitive in the labor market, based on performance assessment and the corporation's performance, both in the short term and long term, comparable to the market of the same industry.

In addition, BCPG Group has established a provident fund and ensured sound occupational health and a safe work environment of acceptable standard. Training is organized to enhance knowledge of employees and develop their potential and knowledge under competency-based training as well as other training of their interests to further their career paths and development.

Moreover, BCPG Group recognizes the importance of and promotes the family institution by establishing and managing various medical welfare schemes for employees, which cover their family members, providing a fitness center on Floor 11, M-Tower Building, a private room for breast-feeding facility, and compensation for the death of parents or children. Employees can choose flexible work hours or work from home to reduce Covid-19 risk for themselves and their family members.

Employee Satisfaction Survey

BCPG Group has prepared an employee engagement survey by engaging an international third-party consultant to manage the survey on employee satisfaction, design questionnaires, and conduct the assessment. The design of assessment guidelines must follow acceptable methods of an international standard. Criteria for the survey fall into five levels in six topics:

1. Performance Management
2. Career Development
3. Engagement and Well-being
4. Collaboration
5. Communication
6. Rewards and Recognition.

Results of the survey for 2022 was 72% among local employees.

Occupational Health and Safety

BCPG Group takes seriously occupational health and safety management of the operation function, monitoring of renewable-energy production process, and is committed to operating the business with efficient management systems. BCPG Group has set an occupational health and safety management system of the ISO 45001:2018 standard for its internal management, which consists of the operation, audit, and review to ensure efficient business operations and ongoing development.



Occupational Health and Safety Policy

BCPG Group has issued its policy on environmental quality, occupational health, and safety covering the administrative structure. All executives and employees and contractors on its sites are directly responsible for observing the policy.

1) Occupational Health and Safety Policy

BCPG is committed to eliminating all hazards and reducing risks associated with occupational health and safety, including the risk from Covid-19, to ensure safe and hygienic workplaces, prevent work injuries and sickness, comply with applicable laws and other regulations on occupational health and safety, provide consultation and personnel engagement and improve occupational health and safety management (ISO 45001: 2018).

2) Quality Policy

BCPG is committed to meeting customers' requirements and all applicable requirements, as well as continuous improvement of quality management (ISO 9001:2015).

3) Environmental Policy

BCPG is committed to environmental protection and conservation, pollution prevention, compliance with environmental laws and applicable requirements, and continuous improvement of environmental management to enhance environmental efficiency (ISO 14001: 2015).

Occupational Health and Safety Strategy

BCPG Group's implementation in line with the guidelines for occupational health and safety management are:

- Hazard identification, risk assessment and job safety analysis for employees and contractors through consideration of probability and severity of impacts. Risk control measures and work procedures must be established to mitigate the risk to BCPG's risk appetite for any high-risk activity before its commencement.
- Assessment of legal compliance and regular updating of new laws and permits
- Supervision and control of the work environment to comply with the work rules, for example, there must be a head of work safety and all employees and related parties must wear PPEs while working.
- Establishment of a reporting system and investigation of accidents, or abnormal incidents or events. The Company has defined procedures for reporting unusual or near-loss incidents and accidents with injuries or property damage.

Occupational Health and Safety Performance in 2022

- Zero Fatality (employees and contractors)
- Lost-Time Injury Frequency Rate (LTIFR) was zero per million hours.

Remarks: The above information covers domestic power plants only.

Guidelines For Social And Community Responsibility

The Group recognizes the importance of society and the development for the well-being of people in the community around its establishments by applying its vast business knowledge and experience in creating concrete benefit with emphasis on the safety, occupational health, environment and energy management system. The Group has formulated a sustainable development activity plan under the concept of "Breath of the World", aiming to improve and restore nature in various areas and improve the quality of life and well-being of the people through innovation and renewable energy for a better environment. The activities fall into three categories: Breath of the Wilds, Breath of the Waters, and Breath of the Souls.

Breath of the Wilds

Breath of the Wilds focuses on activities related to conservation of forests and wildlife together with preservation of ecosystems and natural habitats. In 2022 BCPG Group implemented the following activities:

Forestation in the Power Plant

BCPG Group is committed to reducing GHG emissions to achieve the Net Zero target to mitigate problems on climate change and raise awareness of 'Change begins with you'. Together with our employees and the communities in Ban Nong Man Pla, Prachinburi Province, BCPG Group held the "Forestation in the Power Plant" activity to transform a portion of areas around the power plant into a 12-rai forest, which will serve not only as GHG storage for the planet, but also as a source of forest produce for the communities looking after it. The activity was held at BCPG's Prachinburi Power Plant in Kabin Buri District, Prachinburi Province. This is one of BCPG's 17 solar power plants in Thailand.



"Secrets of the Jungle" Nature Conservation Camp

The activities were held at Khao Yai National Park to cultivate in the young awareness of wildlife and forest conservation and the awareness of the importance of forests, wildlife, and the balance of ecosystems, including methods for mitigating impacts from climate change, for Grades 5-6 students from Chainarong Withthaya School, Nakhon Ratchasima Province; Ban Thong Kham Phing Withthaya School, and Nong Pradu Withthaya School, Chaiyaphum Province; Ban Nong Man School and Chumchon Ban Hua Wua School (Rat Uthit), Buriram Province. These schools are in the vicinity of BCPG's plants, and the activities helped teachers participating in the activities to apply the knowledge to educate their students who did not participate in the activities.



Breath of the Waters

Breath of the Waters focuses on promoting awareness of water resource conservation. Activities conducted in 2022 were:

Knowledge Sharing

BCPG Group prepared and disseminated articles on "Blue Carbon" via its Facebook Page to raise awareness of the significance of mangrove forests, marine/coastal wetlands and seagrass, which are the essential storage of blue carbon and play a part in solving global climate change.



Breath of the Souls

Breath of the Souls focuses on raising the quality of life, society and communities, in particular communities surrounding the Company's establishments, as they are one of BCPG's major stakeholders. In 2022 BCPG organized a variety of projects

Energy for Everyone

The Company installed a 75-kW solar power generation system for Bamnet Narong Hospital, Chaiyaphum Province, which is located near BCPG Group's power plant, to save the hospital's electricity charges for other public service.



Sharing Resource Project

The Company has allocated unoccupied land in the Lom Ligor Power Plant, Nakhon Si Thammarat Province, for communities to use for rice planting for household consumption. The project entered its third year from its inception in 2020, with about 10 families joining the project.



Circular Economy Thinkers Project

This edutainment workshop activities educated students from Grade 6 to 9 of Wat Obthom School (Obthom Witthaya Prachanukul), Ang Thong Province, on the concept of the circular economy and the optimization of renewable resources with a focus on learning from items around them and application to their daily life through 3Rs: Reduce / Reuse / Recycle.



BCPG Golf Clinic

Golf Clinic workshop activities provided basic golfing knowledge and skills by professional golfers to students from Bang Pa-in School and Bang Pahan School, Phra Nakhon Si Ayutthaya, to inspire them and cultivate good attitudes as well as promoting sporting skills for the youths.



Other Social Charitable Activities

BCPG Group provided supporting funds and contribution to foundations and charitable organizations such as the Foundation for the Welfare of the Mentally Retarded of Thailand and Thailand Foundation (Saidek 1387). It organized other charitable activities such as a charitable golf tournament to fund the construction of King Mongkut's Hospital Chao Khun Thahan, scholarships for Thai monks under the Office of the Permanent Secretary, Ministry of Finance. The fund and supporting contribution for 2022 amounted to THB 11.1 million.

Inquiry on Sustainability:

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Progress on Sustainability Implementation in 2022

Sustainability Implementation	2022 Goal	2022 Performance
Environment		
ZERO FOAM	0	0
Carbon Neutrality	Carbon Neutral	In progress
Systematic reforestation and monitoring		Once a Year
Human Resources		
Training hours	24 hours	34 hours
Ratio of employees return to work after maternity leave	80%	100%
Employee satisfaction	75%	72%
Safety, Occupational Health and Environment		
Fatalities of employees and contractors	0 case	0 case
Lost-time accidents of employees and contractors	0 case	0 case
Other accidents of employees and contractors	0 case	0 case
Lost Time Injury Frequency Rate	0 hour per million man-hour	0 hour per million man-hour
Hazardous chemicals leakage	0 case	0 case
Environmental disputes	0 case	0 case
Community Quality of Life Development		
Employment of local communities in the plants' surrounding areas	-	231 (workers and technicians)
Ratio of employees participating in CSR activities	90%	64%
Number of complaints on BCPG's business operations from communities	0 case	0 case
Responsibility towards Customers		
Customer satisfaction	62%	94%
Number of complaints on critical issues from customers	-	0 Case
Customers' privacy and Data Securities Leaks	-	0 Case
Customer Relations Dispute	-	0 Case
Human Rights		
Disputes on labor or human rights violation	0 Case	0 Case

Remarks: Information as of December 31, 2022, covering only domestic operations