WASTE AND POLLUTION MANAGEMENT

BCPG recognizes the importance of systematic waste and pollution management to prevent and reduce potential impacts on the environment, public health, quality of life in society, and surrounding communities, as well as to ensure operational safety. Although BCPG's power generation from clean renewable energy does not directly cause air pollution, the company firmly believes that effective waste and pollution management can control and prevent potential impacts across the entire supply chain. The Company adheres to international standards to ensure that waste and pollution management is efficient and does not cause harm to the environment and communities, while also ensuring long-term sustainability for the organization.

Challenges and Opportunities

Although BCPG's renewable energy business generates waste and air pollution at low levels, the Company recognizes the importance of effective waste management and air quality control to minimize environmental and community impacts. BCPG applies the circular economy concept to reduce waste at the source, reusing materials, and disposing of waste according to international standards and environmental standards at every stage of operations from development and construction to operation and maintenance across the entire supply chain. This approach not only reduces costs and improves efficiency but also strengthens the Company's image as a socially and environmentally responsible business. Furthermore, sustainable waste management and air pollution control create opportunities to build stakeholder confidence and support the Company's long-term sustainable development goals.

Key Performance and Goals in 2024

Key Performance

- Use of foam, in office buildings: **0 kilogram**
- General waste reduced by **1.5%** compared to 2023
- Waste to landfills: **0 kilogram**
- Air quality measurement results for all parameters meet standard levels and are continuously certified by external parties
- Achieve **100%** ISO 14001 certification for all power generation projects in Thailand

Goals

- Use of foam, in office buildings: **0 kilogram**
- General waste reduced by **5%** compared to 2023
- **Zero waste** to landfills
- Air quality measurement results for all parameters meet standard levels and are certified by external parties
- Achieve **100%** ISO 14001 certification for all power generation projects in Thailand

Key Stakeholders

Key Stakeholders	Actions Taken to Meet the Stakeholders' Needs in 2024
Employee	• Create engagement and awareness in waste management practices that may impact the environment. • Monitor and track indoor air quality in offices for employee well-being. • Control and reduce air pollution emissions from projects and operational areas to prevent and minimize impact on employee health, well-being, and quality of life, including for contractors working in the area.
Community	• Implement efficient waste management to prevent and minimize impact on local communities and the environment. • Strictly comply with relevant environmental laws and regulations pertaining to company operations. • Control and reduce air pollution emissions from projects and operational areas to prevent and minimize impact on the health and quality of life of surrounding communities.

Strategy and Management Approach

Waste Management

BCPG places great importance on the management of waste generated from its business operations. It strictly adheres to the Code of Practice (COP) for solar power plant operators using photovoltaic technology, the Environmental Management System standard (ISO 14001), and the National Environmental Quality Promotion and Protection Act, B.E. 2535, to ensure that the operations of the group do not negatively impact the environment.

This aligns with BCPG's sustainability strategy, policies, and environmental value (Green) focus. The Company adopts the 5Rs principles as an approach to sustainable waste management: Reduce, Reuse, Recycle, Repair, and Reject. This aims to improve resource efficiency, minimize environmental impact, and promote sustainable development.

Waste management is conducted systematically, covering from segregation, collection, transportation, disposal, to recording and reporting waste management data throughout the year. Waste generated from operations is categorized into two main types: office building waste and waste from the electricity generation process. Each type is managed with appropriate methods to minimize environmental impact at every stage.

The Company is committed to using resources efficiently to reduce the amount of waste sent to landfills, mitigate the risks of resource scarcity, and reduce waste disposal costs. The goal is to achieve zero waste to landfill from the power generation process.

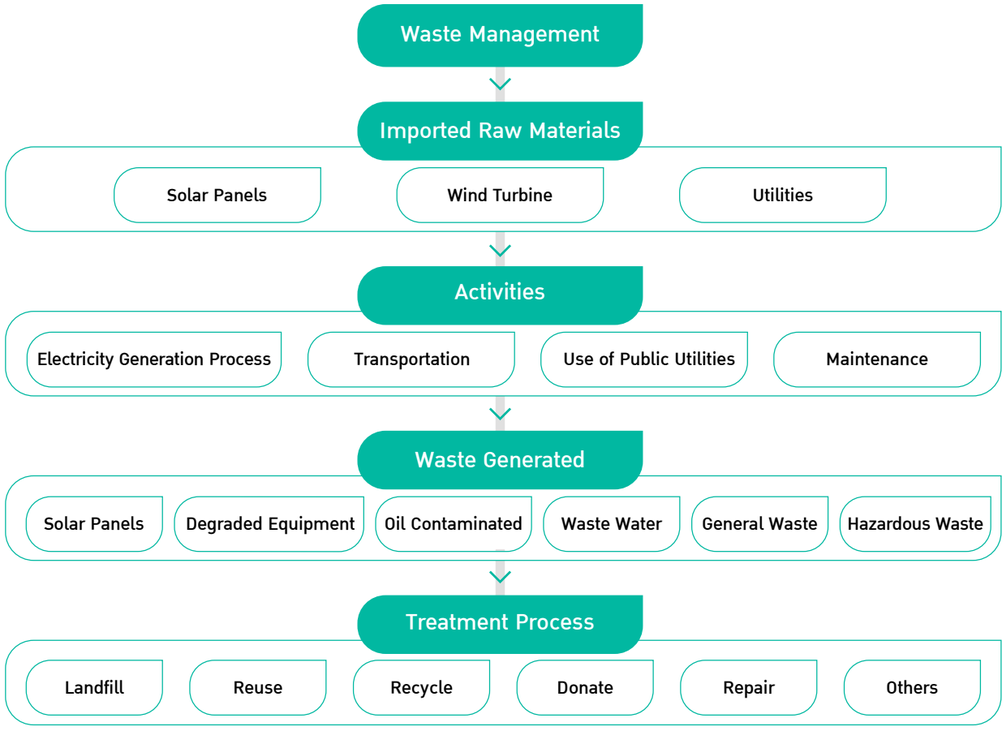
Office Building Waste

BCPG rents space in its headquarters building and manages general or non-hazardous waste, such as packaging, food scraps, and paper. The "Occupational Health, Safety and Work Environment Committee" is responsible for setting goals and monitoring waste reduction in the building. BCPG has implemented a waste management system with waste sorting categories, including wet waste bins, recycling bins, and general waste bins. In 2024, BCPG set a Zero Foam target to eliminate the use of foam waste in office spaces. Additionally, the Company promotes waste separation, organizes educational activities on waste reduction, and encourages sustainable waste management through initiatives such as encouraging the use of personal containers instead of disposable plastic or paper containers, eliminating plastic water bottles, conducting 5R workplace organization activities, Big Cleaning Days, and participating in the Low Emission Support Scheme (LESS) to reduce greenhouse gas emissions. These activities are aimed at raising employee awareness about the importance of using resources efficiently.

Waste from the Power Generation Process

For hazardous waste from solar panels and deteriorated equipment, BCPG manages transportation and disposal through authorized hazardous waste management agencies, using secure landfill methods or other legally approved processes. Additionally, the Company considers recycling methods for damaged or aged solar panels by repurposing them for other company sites, including donating them to hospitals which assist in generation of electricity to reduce energy costs or using them as spare parts in various projects. This approach ensures the optimal utilization of solar panels.

In addition to waste generated from the power generation process, BCPG collaborates with partners in the battery business, which plays a crucial role in adding value to the supply chain and enhancing the stability of renewable energy production through expanded energy storage systems. Therefore, the Company prioritizes research on battery management, recycling, and repurposing.



Air Pollution Management

BCPG prioritizes systematic air pollution management. During the development of power plant projects, the Company conducts Initial Environmental Examinations (IEEs) and prepares the 2024 Annual Performance Report, overseen by the Occupational Health, Safety and Work Environment Committee. These assessments evaluate various aspects of sustainable development potential, including project details, current environmental conditions, preliminary environmental impact assessments, and sustainable development potential evaluations. Key indicators used in these assessments include the Natural Resources and Environmental Index, Social Index, Development Index, and Economic Index.

BCPG operates under the ISO 14001:2015 Environmental Management System standard, using its requirements outlined in the standard as a guideline to comply with environmental laws and regulations. This ensures that the business meets the expectations of stakeholders, including employees, local communities, and the surrounding society. Furthermore, BCPG has established policies on environmental quality, occupational health and safety, demonstrating its commitment to environmental protection, legal compliance, and the continuous improvement of its environmental management system.

In 2024, BCPG strictly monitored and assessed air quality by engaging external agencies to indoor air quality in accordance with the Notification of the Department of Health on Indoor Air Quality Surveillance for Public Buildings. The assessment ensured compliance with established standards, including the Singapore Standard SS 554:2016, Code of Practice for Indoor Air Quality for Air-Conditioned Buildings, as well as the Department of Health's regulations. Additionally, the Company remains committed to controlling and reducing air pollution emissions in projects currently under development and construction. This ensures that business operations continue to be sustainable and environmentally responsible in the long term.

BCPG The Magical Waste From Waste to WoWW Project

BCPG has implemented the 'BCPG The Magical Waste: From Waste to WoWW' project to promote effective waste management within the organization, aligning with its strategic plans and ongoing commitment to achieving carbon neutrality in business operations and activities. This project focuses on waste separation for recycling, specifically targeting plastic, aluminum, and milk cartons, collected from employees at BCPG's office buildings, power plant projects, and residences. A designated waste drop-off point on the 15th floor of M Tower serves as a central collection area, where waste is gathered, sorted, and subsequently sent to recycling service providers for environmentally sound processing. Furthermore, a system has been developed to record and track waste separation data by employee, ensuring accurate reporting of collected waste volumes. Through these initiatives, the project was certified during the period from June 1 to October 31, 2024, with a total of 876 kilograms of CO_2 equivalent. Beyond waste management, BCPG conducts training programs to enhance awareness and understanding of climate change and the environmental impact of human-generated waste. These programs encourage proper waste separation practices. These efforts are crucial in reducing waste and improving waste management processes within the organization, encouraging employee participation, and supporting the company's continuing efforts to reduce greenhouse gas emissions.

Benefits from the Programs

Reduction of greenhouse gases from reducing waste to landfill through waste segregation, equivalent to **876** **$kgCO_2eq$**.

100% of employees have been informed about waste management, and waste segregation.

59% of employees have participated in the project.

Oil Spill Cleanup Vessel Project

BCPG places great importance on preventing and managing waste from its oil storage and terminal operations. To strengthen its environmental safeguards, the Company has invested in a high-efficiency oil spill cleanup vessel, with an investment value of 9,600,000 THB This vessel plays a critical role in controlling and preventing the spread of oil spills on the ocean surface in the event of an incident. It helps establish protective barriers to limit spill dispersion, reduce environmental risks, and accelerate the restoration of affected areas. BCPG ensures that the vessel remains on standby for immediate deployment, enabling a swift emergency response to minimize environmental impact. This proactive approach enhances stakeholder confidence in the Company's commitment to sustainable marine ecosystem protection and responsible environmental management.

Additionally, BCPG has implemented a comprehensive oil spill prevention plan for cargo transfer operations, which includes the following measures:

- Oil & Chemical Spill Emergency Plan: This plan covers oil, chemicals, and hazardous substances, with emergency response drills conducted at least once per year.
- Continuous Review and Improvement: The plan is continuously reviewed and improved to ensure its effectiveness.
- Pre-Transfer Safety Inspections: Before any oil transfer operation, the port and vessel conduct joint safety inspections in accordance with the safety standards for oil tankers and oil transfer terminals. Inspection records are retained for a minimum of three months.
- Containment Measures Before Transfer: Prior to the transfer of oil, chemicals, or hazardous substances oil containment booms must be deployed around the vessel. Additionally, all necessary tools and equipment for water pollution control and spill response must be prepared in advance.