

Efficient Water Use Program

Objective

To optimize water consumption for Grupo Energía Bogotá and its subsidiaries by monitoring, controlling, and maintaining infrastructure, and implementing various actions for the efficient use of water and management of discharges, in compliance with applicable environmental regulations.

Scope

This program encompasses all areas or processes of Grupo Energía Bogotá (GEB) and its subsidiaries at their administrative and operational facilities, including electric substations, stations, control centers, and storage warehouses.

This program does not cover the construction or closure of projects. It is also not applicable to water consumption in projects, which are addressed through environmental management measures derived from environmental studies.

Legal Framework

Grupo Energía Bogotá and its subsidiaries will manage water resources based on the legal requirements matrix of each company and the legal context of the countries where they operate.

Diagnosis

The activities carried out by Grupo Energía Bogotá are divided into two categories: operational activities, which mainly consist of administrative planning, follow-up, and control activities, and project-related activities that encompass the assets' life cycle, starting from their construction to dismantling. Each project has an environmental management in which the company acquires various environmental and social commitments related to water resource management, biodiversity, waste management, energy management, among others. For this reason, this plan does not include actions aimed at water consumption in projects.

Each subsidiary, according to its means and priorities, will identify through internal audits the sites and activities where a greater amount of water is consumed, as well as opportunities to use it more efficiently. For the subsidiaries with an environmental management system under the ISO 14001, these internal audits will follow the ISO standard. Complementarily to the water management diagnosis done by each company, during 2023, the Holding identified initiatives that will be implemented for certain subsidiaries according to their context, for the next years. These initiatives include installing rainwater harvesting systems and solar panels that collect water out of humidity in dry areas where this water can be used to supply bathrooms, kitchens, and station cleaning.

Regarding discharges, which are domestic in nature, management is handled by local sewage companies. In areas lacking such facilities, wastewater treatment is conducted in septic tanks, and the resulting sludge is ultimately processed by a specialized third party.

Monitoring and Follow-up

Subsidiaries will report water consumption to Grupo Energía Bogotá's sustainability department, with a mutually agreed periodicity for each case, not exceeding three months. This report will include the following indicators and their respective supports.

Indicators

- Fresh water consumption, in m³/month.
- Surface water consumption.
- Groundwater consumption.
- Water consumption in hydrologically stressed areas.

Each subsidiary must also specify, for each case, whether the consumption was generated as part of the regular operating flow or if it is the result of any extraordinary work or project.

Goal

To reduce 2% of the average water consumption over the past two years.

Water Consumption Reduction Strategies

Subsidiaries will implement strategies to enhance the efficiency of water resource use based on historical consumption data and the analysis of circular economy opportunities. These include:

- Reducing water consumption through preventative and corrective maintenance of pipes, hydraulic fittings, and septic systems.
- Reporting water leaks at the facilities.
- Installing water-saving sensors and devices in toilets, urinals, showers, sinks, etc.
- Recycling water where applicable.
- Where feasible, collecting rainwater to use in various processes such as garden irrigation and cleaning.
- Optimizing irrigation systems for both indoor and outdoor gardens.
- Conducting staff inductions at the time of hiring or promotion, and periodic re-inductions.
- Launching awareness campaigns about water conservation and efficient use.
- Implementing measures to improve wastewater quality, where applicable.

For employees working remotely, the following actions are recommended:

- Turning off the water tap while washing dishes, brushing teeth, and showering.
- Reducing shower time.
- Installing low-flow faucets and showerheads to minimize water use.
- Repairing leaks in faucets, pipes, and connections.
- Utilizing water-saving technologies in toilets, such as installing dual flush toilets or flush conversion devices to minimize water use per flush.
- Reusing water from showers, as well as from washing fruits and vegetables, and laundry, for garden irrigation or general cleaning.
- Collecting and using rainwater for various purposes.

- Purchasing water and energy-efficient washing machines, dishwashers, and other appliances.

Responsibilities and Authorities

The implementation of the water efficiency program is a collective responsibility of all individuals in the organization; however, direct responsibilities are designated to the departments of each subsidiary as detailed in the following table, along with the leaders of the Environmental Management System:

ElectroDunas	Talent and Sustainability Management
Conecta	Sustainable Development Management
Contugas	Legal and Sustainability Management
Cálidda	Sustainability and Reputation Department
Enlaza	Sustainability Management and Planning and Control Management
TGI	Vice President’s Office of Government and Sustainable Development
GEB Corporate	Sustainability and Communications Department

Internally, the subsidiaries define the person responsible for each of the following actions:

- Allocating the resources for the implementation of control measures and savings in efficient water consumption.
- Ensuring the execution of the established operational control activities.
- Defining and updating the guidelines of the program in accordance with current legal foundations.
- Coordinating and executing monitoring activities and following up on the implementation of the activities established in the plan.
- Updating program indicators.
- Coordinating and executing actions aimed at optimizing and minimizing resource usage.
- Complying with and enforcing the guidelines defined in this program for optimizing and reducing resource consumption.
- Ensuring efficient and responsible management of water in routine activities.
- Participating of the education and awareness program.
- Reporting to the Holding on water consumption and program updates when necessary.

Each individual will be responsible for water management in their home.

Resources

Each subsidiary must ensure the allocation of resources for the development of the activities set forth herein in this program: staff training, teams, equipment, and technology, among others.

Additionally, it must promote investments in innovation or R&D for initiatives and investment in projects focused on reducing water consumption, wastewater quality, rainwater or gray water reuse, cooling process water reuse, recirculation, etc.

Analysis and Assessment

Grupo Energía Bogotá's Sustainability Management will verify the integrity of data provided by subsidiaries and conduct trend analyses and compliance assessments with goals, with the aim of proposing activities to improve water resource management and promoting best practices among subsidiaries. Water management indicators will be annually verified by a third party and published in the Integrated Report.

Updates

This program will be reviewed at least once a year by Grupo Energía Bogotá's Sustainability Direction and updated, as necessary. Each subsidiary will also update its program in response to emerging legislation in each country.

Communication and Awareness Plan

Each subsidiary will train its employees at least twice a year on water resource management as described in this program. Training sessions will also clarify each individual's responsibilities regarding water management and the actions required to comply with the program.

Energy Efficiency Program

Objective

To optimize energy consumption at Grupo Energía Bogotá and its subsidiaries through monitoring, control, and infrastructure maintenance, alongside the implementation of various actions for the efficient use of diverse energy sources.

Scope

This program encompasses all areas and processes of Grupo Energía Bogotá (GEB) and its subsidiaries, both administrative and operational.

It does not cover energy consumption for projects, which are managed through environmental management measures.

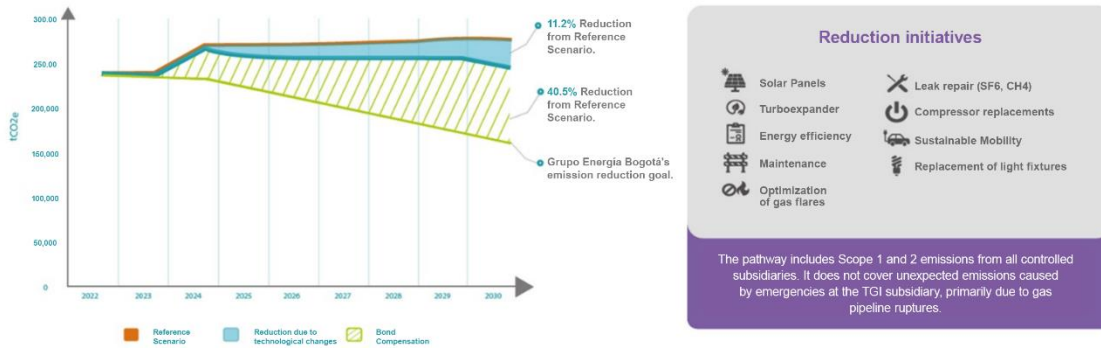
Legal Framework

Grupo Energía Bogotá and its subsidiaries will manage energy in compliance with the legal requirements matrix of each company and the legal context of the countries where they operate.

Diagnosis

From the carbon footprint calculation under the ISO 14064, Grupo Energía Bogotá and its subsidiaries have identified the sites and activities where significant amounts of electricity and fuels are consumed. As part of the Group's climate strategy towards 2030, each subsidiary has an emission

reduction pathway with various projects aimed at enhancing energy efficiency and reducing fossil fuel usage, slated for implementation by 2030. These projects include installing solar panels, upgrading compressor technologies, replacing lighting, and implementing energy efficiency measures.



Each subsidiary, based on its capabilities and priorities, will oversee energy management audits. Where applicable, these audits will be conducted according to ISO 50001 or ISO 14001 standards. Where not, subsidiaries must identify which equipment and processes consume energy, assess their efficiency, and pinpoint areas for improvement.

Monitoring and Follow-up

Subsidiaries will report electricity and fuel consumption to Grupo Energía Bogotá's sustainability department, with a mutually agreed periodicity for each case, not exceeding three months. This report will include the following indicators along with their respective supporting evidence, to be verified by Grupo Energía Bogotá's sustainability team:

Indicators

- Electricity consumption at facilities.
- Fossil fuel consumption.
- Energy consumption from non-renewable sources within the organization (in GJ).
- Renewable energy consumption (clean or green energy) within the organization (in GJ).
- Purchased energy (in GJ).
- Heating consumption (in GJ).
- Refrigeration consumption (in GJ).
- Power generation for own consumption (in GJ).
- Energy sold (in GJ).

Additionally, subsidiaries must indicate whether the reported consumption was related to project execution or part of regular operational activities.

Goal

From 2024, Grupo Energía Bogotá's total energy consumption goal will be calculated based on a Business As Usual growth scenario, incorporating a reduction percentage aligned with climate goals for Scopes 1 and 2.

Actions to Reduce Energy Consumption

Based on the climate change strategy, emission reduction pathways, and historical energy consumption data by process, each subsidiary will define actions to enhance energy efficiency. Proposed strategies include:

- Independently measuring energy consumption at each facility.
- Replacing existing lamps with low-consumption LED bulbs where applicable.
- Automating air conditioning systems.
- Developing campaigns to foster an energy-saving culture, thereby encouraging employees to adopt efficient energy use and conservation habits.
- Coordinating regular maintenance of electrical installations and high-energy-consuming equipment (air conditioners, computers, printers, compressors, motors, etc.).
- Educating staff on the importance of reporting any improper use or conditions in energy usage.
- Implementing actions from the reduction pathway: replacing equipment with less energy-intensive alternatives, installing solar panels, and sourcing renewable energy from third parties.
- Promoting the use of public transportation and electric vehicles.
- Pursuing ISO 50001 certification for companies where applicable.

For employees working remotely, the following actions are recommended:

- Turning off lights and appliances that are not needed.
- Unplugging chargers when not in use.
- Using energy-efficient LED light bulbs.
- Maximizing natural light by opening curtains and blinds during the day.
- Adjusting heating and air conditioning temperatures to reduce energy consumption.
- Washing laundry with cold water in short cycles.
- Sealing doors and windows to prevent heat loss in winter and keep cool air in during summer.
- Using energy-efficient appliances marked with a low-consumption label.
- Unplugging chargers and electronic devices when not in use.
- Utilizing solar energy to heat water or to generate electricity at home, if feasible.
- Encouraging sustainable mobility, using public transport, bicycles, or walking instead of vehicles that consume fossil fuels.
- Purchasing high energy efficiency equipment.

Responsibilities and Authorities

The implementation of the energy efficiency program is the responsibility of all employees of the Group; however, direct responsibilities are assigned to the departments of each subsidiary as listed below, the leaders of the Environmental Management System, and staff from operational support areas such as infrastructure and maintenance.

ElectroDunas	Talent and Sustainability Management
Conecta	Sustainable Development Management
Contugas	Legal and Sustainability Management
Cálidda	Sustainability and Reputation Department
Enlaza	Sustainability Management and Planning and Control Management
TGI	Vice President’s Office of Government and Sustainable Development
GEB Corporate	Sustainability and Communications Department

Internally, the subsidiaries define the individuals responsible for each of the following actions:

- Allocating resources for implementing control measures in the efficient and rational use of energy.
- Ensuring the execution of established operational control activities.
- Defining guidelines of the program in accordance with current legal foundations.
- Coordinating and executing monitoring activities and following up on the implementation of established operational control activities.
- Recording and analyzing energy consumption data.
- Updating program indicators.
- Coordinating and executing actions aimed at optimizing and minimizing resource usage.
- Complying with and enforcing the guidelines defined in this program for optimizing and reducing resource consumption.
- Using energy efficiently and responsibly in routine activities.
- Engaging in the educational and awareness program on efficient and rational energy use.
- Reporting to the Holding on water consumption and program updates when necessary.

Each individual will be responsible for energy management in their home.

Resources

Each subsidiary must allocate resources for the development of the activities outlined in this program, including staff training and investments in equipment and technology. Additionally, they should promote investments in innovation or R&D to reduce energy consumption through operational control, performance, and the design of new, existing, and renovated installations; equipment; systems; and processes that use energy.

Analysis and Assessment

Grupo Energía Bogotá's Sustainability Management will verify the integrity of data provided by subsidiaries and conduct trend analyses and compliance assessments with goals, with the aim of proposing activities to improve energy management and promote best practices among subsidiaries. Energy management indicators will be annually verified by a third party and published in the Integrated Report.

Updates

This program will be reviewed at least once a year by Grupo Energía Bogotá's Sustainability Management and updated, as necessary. Additionally, each subsidiary will be responsible for updating its program including the emerging legislation in each country and changes in the diagnosis of energy management.

Communication and Awareness Plan

Each subsidiary will conduct training for its employees at least twice a year on all topics described in this program, clarifying each person's responsibilities regarding energy management and the actions required to comply with the program.

Waste Management Program

Objective

To ensure a comprehensive management of non-hazardous, hazardous, WEEE, and special waste for Grupo Energía Bogotá and its subsidiaries, from generation to final disposal, implementing different actions within the legal framework of each country.

Scope

This program covers all areas or processes of GEB and its subsidiaries at their administrative offices, substations, and equipment and materials warehouses.

Does not apply to waste generation from projects, as they have their respective environmental management measures.

Legal Framework

Grupo Energía Bogotá and its subsidiaries will manage non-hazardous, hazardous, WEEE, and special solid waste in compliance with the legal requirements matrix of each company and the legal context of the countries where they operate.

Diagnosis

Grupo Energía Bogotá and its subsidiaries have identified the sites and activities where solid waste is generated, as well as the types of waste produced. Additionally, as part of the diagnosis of circular economy opportunities, the most relevant material flows were identified, and actions aimed at minimization, recirculation, and recycling were proposed. These will be implemented for certain subsidiaries, according to their context.

Each subsidiary, depending on its means and priorities, will conduct internal audits of its waste management to identify improvement opportunities and adjust the program to its context. For the subsidiaries with an environmental management system under the ISO 14001, these internal audits will follow the ISO standard.

Monitoring and Follow-up

Subsidiaries will report waste management indicators to the sustainability department of GEB, at intervals agreed upon for each case, which will not exceed three months. This report will include the following indicators and their respective supports.

Indicators

Subsidiaries must report to Holding the following indicators and provide the necessary supporting documents:

- Total recycled/reused waste (tons).
- Hazardous waste generated (tons).
- Special waste generated (tons).
- Waste generated in projects (tons).

Each subsidiary must also specify for each instance whether the waste was generated inside or outside the company's facilities and whether it is derived from regular operational flow or from an extraordinary project or work.

Goal

The goal for the Group is to reduce waste generation by 2% of the average over the last two years, excluding waste from projects and construction works.

Actions for Proper Waste Management

Each subsidiary will establish actions to manage hazardous, non-hazardous, special, and WEEE waste.

- Avoiding Generation
 - Implementing circular economy initiatives to prevent waste generation.
 - Avoiding the use of single-use plastics.
- Some of the circular economy initiatives to be implemented in the subsidiaries, depending on their feasibility, include:
 - Characterization and utilization of materials and waste from construction and demolition through circular routes.
 - Identification of the potential for reuse, recovery, and valorization of cement bags.
 - Procurement and contracting for efficient material management.
 - Development of circular business models in collaboration with suppliers and/or manufacturers for horizontal coalescing filters.
 - Management of post-consumer waste from lithium batteries in energy storage systems, through reverse logistics.

- Conduct life cycle assessments (LCA) of long-duration operational assets, with a focus on circularity to identify new opportunities for use.
- Recycle electrical and electronic waste.
- Source segregation
 - Once waste has been generated, it should be placed in containers that comply with the regulated color code of each country.
 - Segregating recyclable waste from organic and ordinary waste. Hazardous waste must be stored into separate containers, depending on their type.
 - Hazardous waste must be labeled in accordance with the law of each country.
 - Each subsidiary will be responsible for locating ecological points and waste collection points in their sites, considering their conditions. Similarly, a waste collection route will be defined along with a frequency that matches the availability of staff. It is crucial to ensure that different types of waste will not be mixed at any point in the process.
- Reusing materials that are still useful or repurposing them to prevent disposal in landfills.
- Storage:
 - Non-hazardous waste will be stored in a storage area where there is a designated space for each type of waste.
 - Hazardous waste will be stored in a space exclusively designated for this type of waste, which meets the minimum conditions established by the law.
 - WEEE and special waste must be stored in exclusive spaces for each type of waste.
- Transport and Final Disposal: Typically, the same company handles both functions.
 - The public waste management company will collect and dispose ordinary waste in accordance with the regulations of each country.
 - Recyclable waste will be managed by an organization specialized in its differentiation, utilization, and recycling. Where applicable, the waste management company will issue a waste utilization certificate where applicable; however, traceability of waste management must always be documented.
 - Hazardous waste must be transported by certified managers in vehicles that meet the conditions set by law. This waste will be disposed in safety cells, incinerated, or valorized, depending on the type. For each case, the waste management company must issue a final disposal certificate.
- Special waste and WEEE will be transported by a company specialized in handling each type of waste. After the treatment or disposal of the waste, the waste management company will issue a certificate to the generator. Each subsidiary must report waste management indicators.
- Carrying out awareness campaigns and/or training sessions on the management of usable, non-usable (source separation), hazardous, WEEE, and special solid waste.
- Conducting inductions to the staff when hired or promotes, and periodic re-inductions.

For employees working remotely, the following actions are recommended:

- Waste reduction: opting for reusable products instead of disposable ones to decrease waste generation. Before making a purchase, confirm if it is genuinely needed.
- Proper waste segregation: setting up separate bins for ordinary, organic, recyclable, hazardous, special, and electrical/electronic waste at home.
- Compost organic waste to use as fertilizer for plants, where possible.
- Reuse and donation: before discarding items that may still be useful, either reuse them at home or donate to organizations or individuals who can benefit.
- Proper recycling: familiarizing with local recycling points, and handing waste to foundations or recyclers in the area.
- Proper disposal of hazardous waste and WEEE: such as paints, batteries, medications, used cooking oil, and WEEE like cell phones, computers, and cables must be disposed of differently. Research local collection points for their disposal.
- Proper disposal of special waste: such as mattresses, old furniture, and construction debris.

Responsibilities and Authorities

The implementation of the waste management program is responsibility of all employees of Grupo Energía Bogotá and its subsidiaries. However, the direct responsibility for implementing this program lies with the designated areas of each subsidiary, the leaders of the Environmental Management System, and operational personnel, as outlined in the following table:

ElectroDunas	Talent and Sustainability Management
Conecta	Sustainable Development Management
Contugas	Legal and Sustainability Management
Cálidda	Sustainability and Reputation Department
Enlaza	Sustainability Management and Planning and Control Management
TGI	Vice President’s Office of Government and Sustainable Development
GEB Corporate	Sustainability and Communications Department

Internally, the subsidiaries define the individuals responsible for each of the following actions:

- Allocating resources and establish ecological collection points in accordance with the color coding required by environmental regulations at administrative offices, warehouses, and substations.
- Reporting waste generation from their respective offices and obtain collection and disposal certificates where applicable.
- Defining guidelines of the program in accordance with current legal foundations.
- Recommending further actions to optimize and minimize solid waste generation.
- Consolidating and reporting collected information.
- Analyzing and assessing the program’s indicator data and implement corrective actions as needed.

- Integrating into the communications plan actions focused on the implementation and compliance with the program.
- Engaging in educational and awareness programs.
- Complying with the guidelines defined in this program for waste generation optimization and reduction.

Each individual will be responsible for the comprehensive waste management in their home.

Resources

The sustainability department of each subsidiary, in collaboration with the innovation department, must ensure the allocation of resources for the development of the activities set forth herein in this program: staff training, teams, equipment, and technology, among others. Mobilizing resources to fund innovation or R&D aimed at minimizing waste. Managing and allocating financial resources to explore new ideas or technologies that reduce waste generation in business operations.

Analysis and Assessment

Grupo Energía Bogotá's Sustainability Management will verify the integrity of data provided by subsidiaries and conduct trend analyses and compliance assessments with goals, with the aim of proposing activities to improve solid waste management and promote best practices among subsidiaries. Waste management indicators will be annually verified by a third party and published in the Integrated Report.

Update

This program will be reviewed at least once a year by Grupo Energía Bogotá's Sustainability Direction and updated, as necessary. Additionally, each subsidiary will update its program considering the emerging legislation in each country and changes in waste management diagnostics.

Communication and Awareness Plan

Each subsidiary will train its employees at least twice a year on all aspects related to waste management. These training sessions must detail the responsibilities each individual holds regarding solid waste management and the specific actions required to comply with the program.