

INTEGRATED SUSTAINABILITY REPORT

2022

Executive Summary

Competitive Energy for Equity



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INTRODUCTION

As part of the commitment of Grupo Energía Bogotá (GEB) to transparency, integrity and accountability for its stakeholders, we present this Executive Summary of the 2022 Integrated Sustainability Report, which discusses the most relevant environmental, social, economic and governance aspects of the operations of GEB and its companies in Colombia, Peru, Guatemala and Brazil.

The information disclosed in this executive document covers the activities performed between January 1 and December 31, 2022.



ECONOMIC AND GOVERNANCE DIMENSION

8.5%
growth of **EBITDA** compared to 2021, operating revenues of

COP 6.87 trillion

and controlled net income of

COP 2.85 trillion.

Fitch Ratings and Moody's confirmed their ratings at **BBB** and **Baa2**, respectively, with a stable outlook, maintaining the investment grade for the Company.

95.9%
implementation of the best practices recommended by **Código País**.

84%
of investments were made in **energy transition projects**.

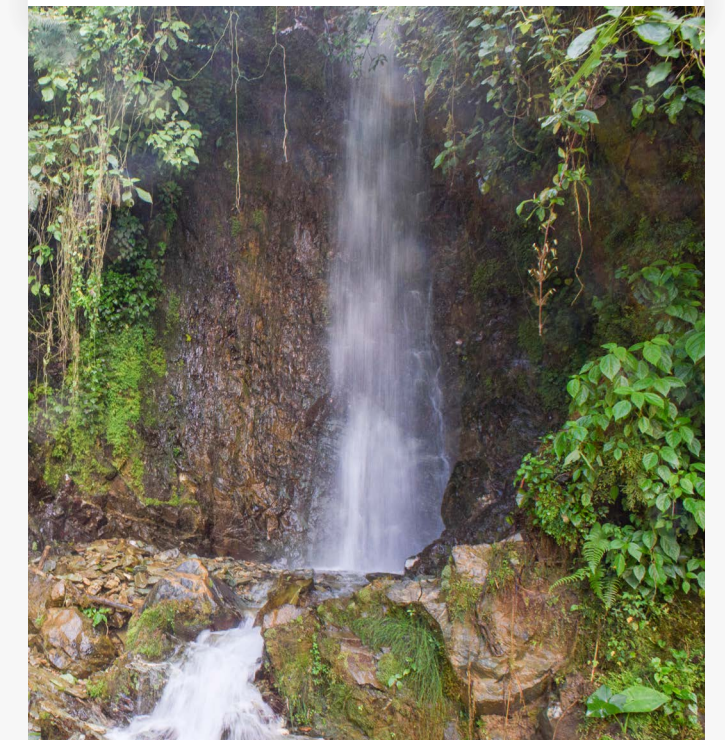
ENVIRONMENTAL DIMENSION

77,987 tCO₂e
in **carbon bonds** for offsetting by GEB and its subsidiaries.

14.8%
reduction in net GHG emissions compared to the baseline year.

Commitment to **biodiversity** and no deforestation.

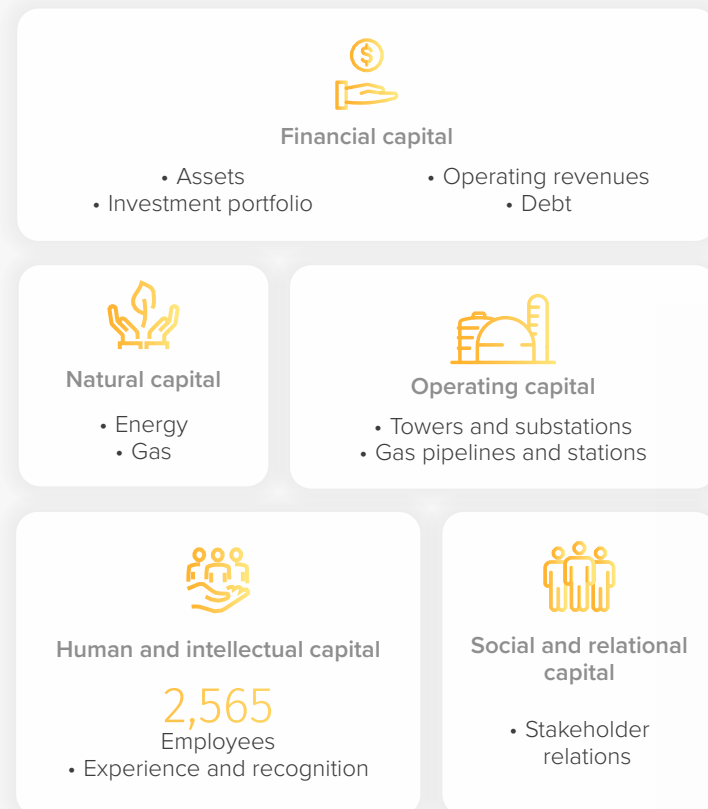
Target of **no net loss** of Biodiversity.



OUR COMMITMENT TO SUSTAINABILITY

- GEB was included for the second consecutive year in the **Dow Jones Emerging Markets and MILA Pacific Alliance** sustainability indexes, and in the S&P Global Sustainability Yearbook, in recognition of its strong performance and management of social, environmental and governance matters.

Our Capitals:

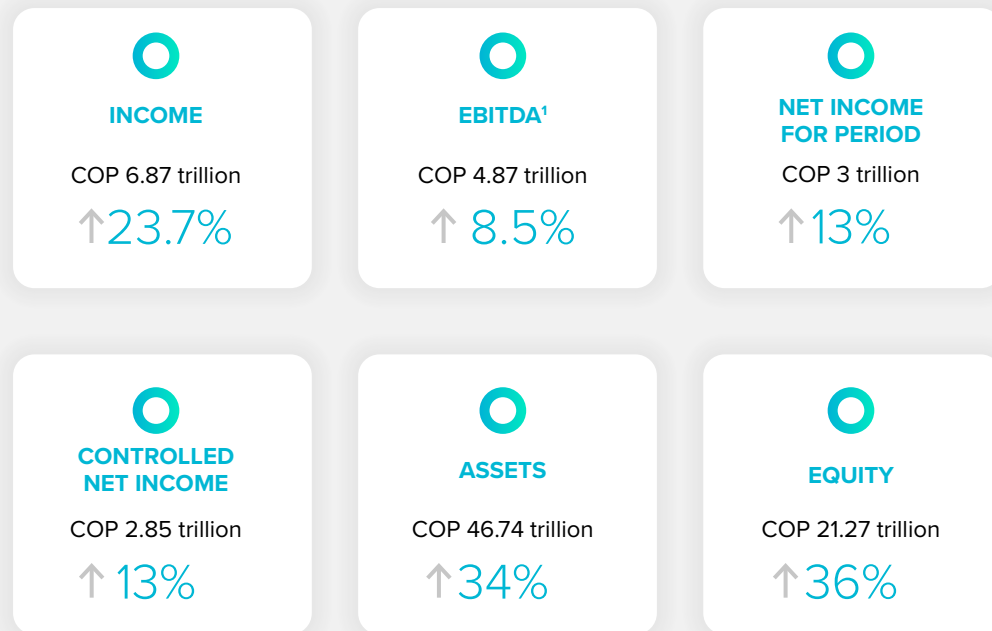


SOCIAL DIMENSION

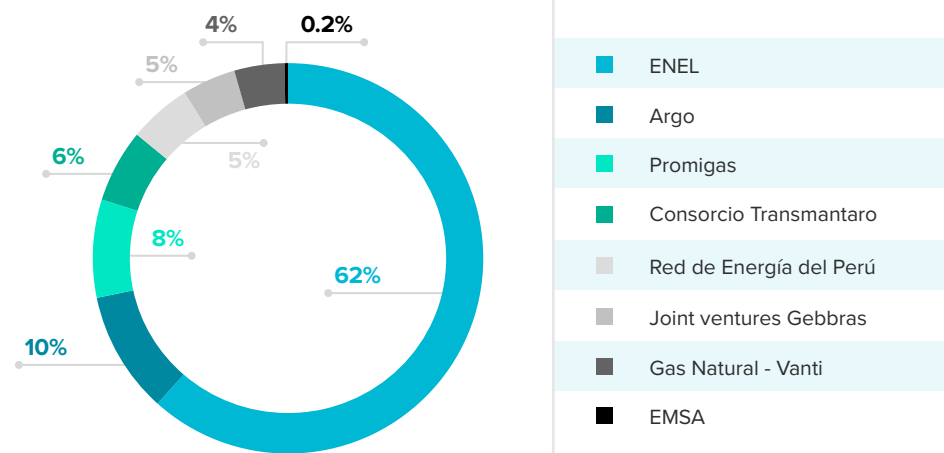
- COP 40,000 million** in social investment, benefiting **127,000 people**.
- COP 31,000 million** approved in **works for taxes**.
- Development of the Human Rights **due diligence system** at the corporate offices and the transmission business in Colombia.
- Awarded the **Equipares Gold Seal** as recognition for closing gender gaps.
- Five years with no fatal work accidents** in all the operations in Colombia, Peru, Guatemala and Brazil.

RELEVANT FIGURES

GEB SHARE PRICES COP 1,683
Dec. 31, 2022



Income from Equity Method

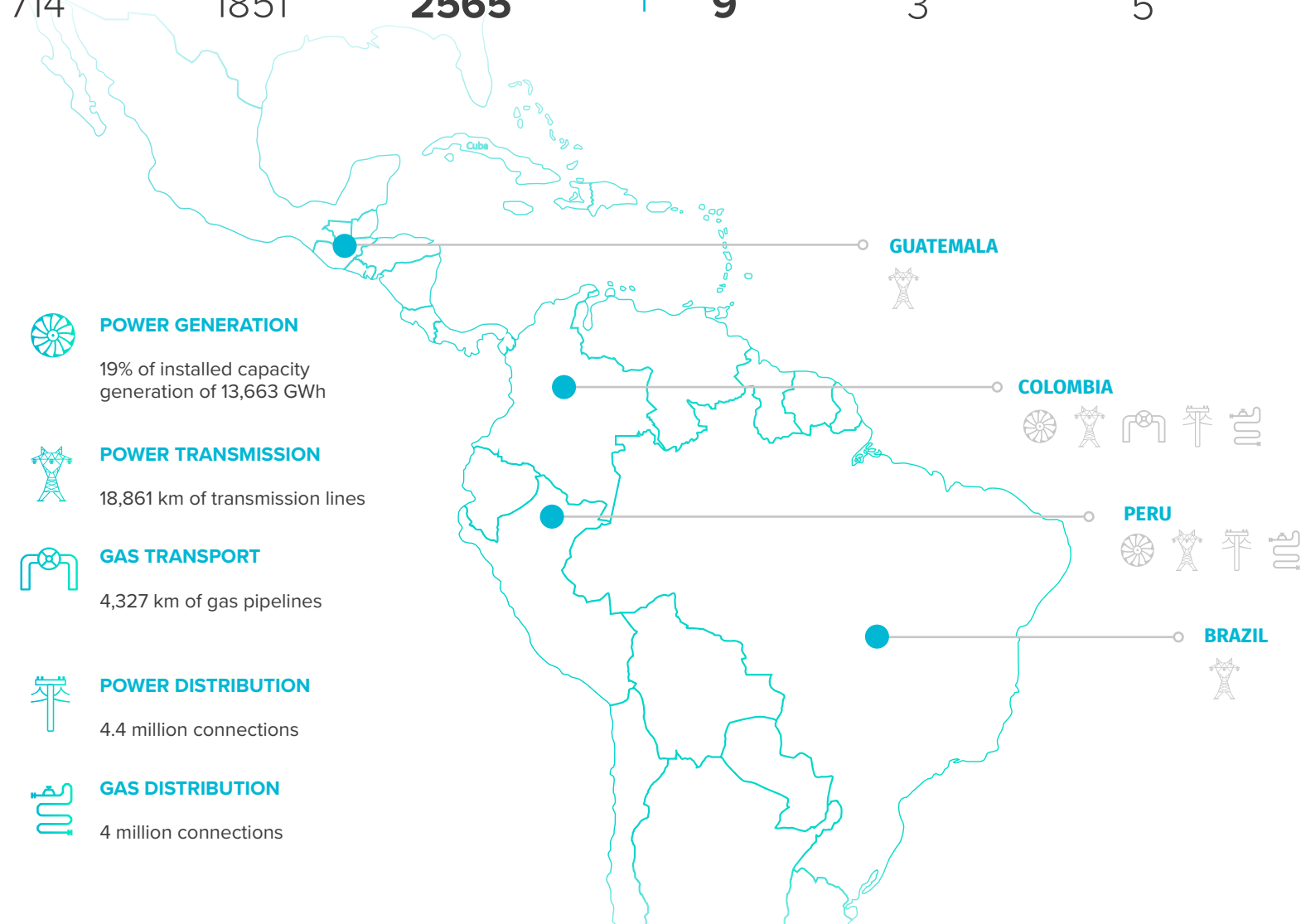


1. Adjusted EBITDA: Controlled EBITDA + declared dividends
2. Includes Cantaloc and Power Co.

Employees²



Board of Directors



AWARDS

FitchRatings
Corporate and local bonds Fitch: AAA, stable outlook

MOODY'S
Corporate and International Bonds Moody's: Baa2, stable outlook

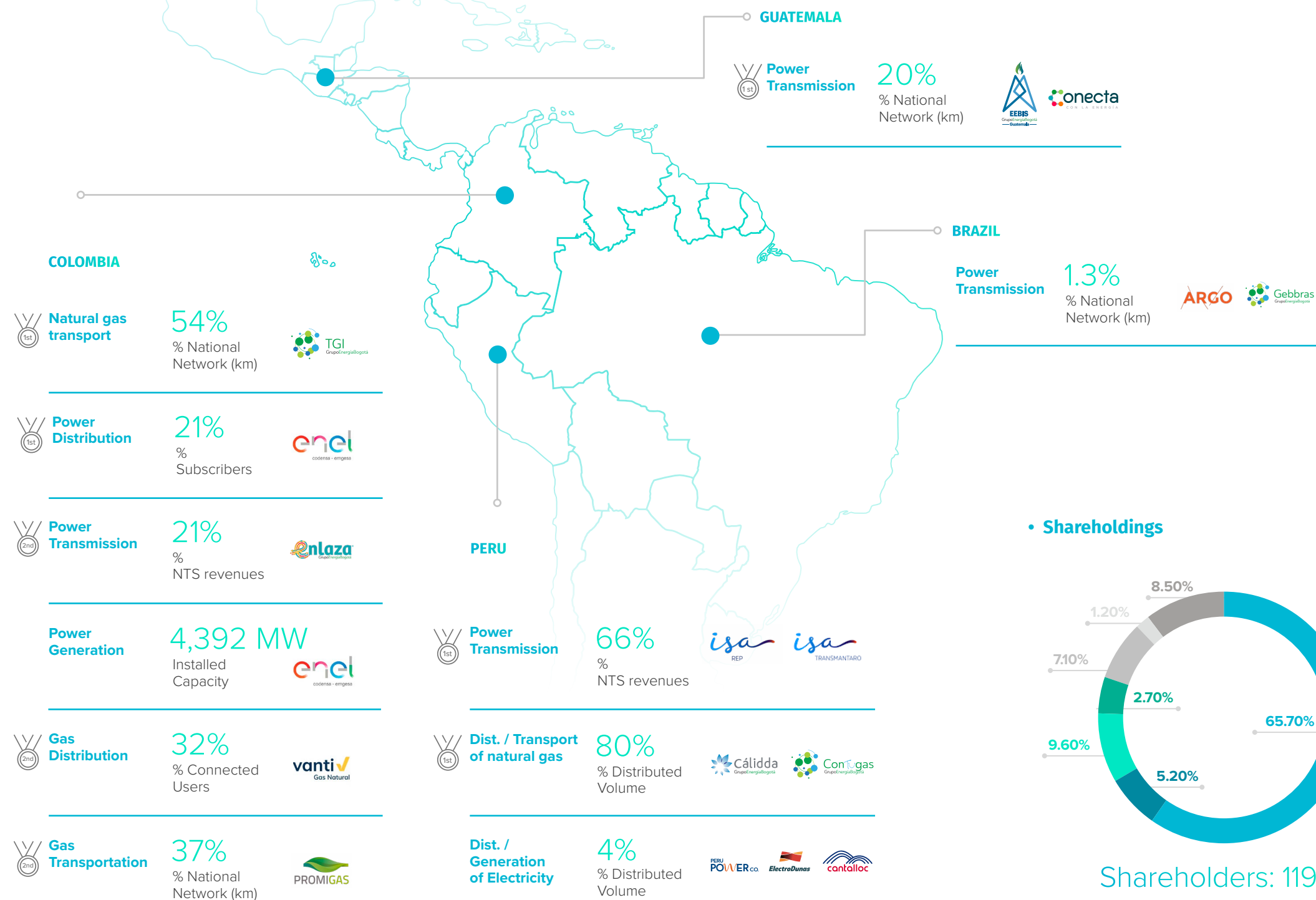


Member of **Dow Jones Sustainability Indices**
Powered by the S&P Global CSA

Sustainability Yearbook Member
S&P Global ESG Score 2022



INVESTMENT PORTFOLIO



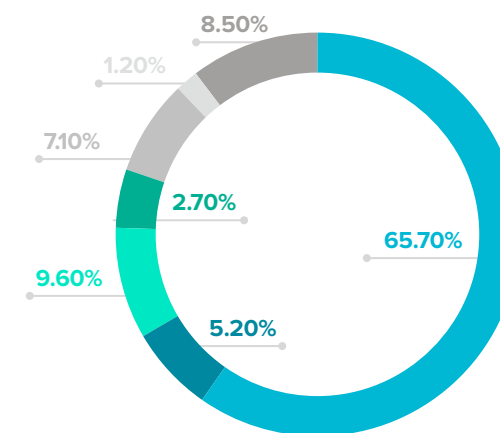
CONTROLLED COMPANIES:

enlaza	100%	ConTgas	100%
TGI	100%	Gebbras	100%
onecta	100%	cantalloc	100%
Cálidda	60%	PERU POWER.co, ElectroDunas	

STRATEGIC PORTFOLIO

enel	43%	isa	40%
ARGO	50%	isa	
vanti	25%	EMSA	16%
PROMIGAS	15%		

Shareholdings



Shareholders: 11933

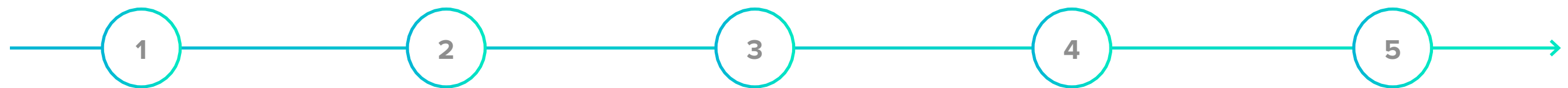
- Bogotá D.C.
- Corficolombiana
- Fondo Pensiones Obligatorias Porvenir
- Fondo Pensiones Obligatorias Colfondos
- Fondo Pensiones Obligatorias Protección
- Fondo Pensiones Obligatorias Skandia
- Other

MATERIALITY ANALYSIS

The materiality analysis directs the efforts of GEB and its subsidiaries towards objectives and goals that contribute to the fulfillment of its corporate strategy, the creation of long-term value, the continuous improvement of competitiveness and profitability, and the creation of favorable conditions that contribute to equality and closing gaps in the territories.



MATERIALITY ASSESSMENT PROCESS



1 IDENTIFYING AND PRIORITIZING STAKEHOLDER GROUPS

We updated the list of our internal and external stakeholders and established priorities considering attributes such as dependence and influence.

2 IDENTIFICATION OF MATERIAL TOPICS

We reviewed **18 internal** and **29 external documents** that reflect the challenges of the sector, good practices, international trends and risks, and other factors to identify possible material topics for GEB.

3 RISK AND IMPACT ASSESSMENT

Assessment of the importance of the risks and impacts associated with the material topics through the analysis of strategic risks; impacts on the environment and society; the creation of long-term value, and opportunities for GEB and its subsidiaries.

4 STAKEHOLDER ENGAGEMENT

In order to prioritize the most relevant topics, we consulted **13 internal and external stakeholder groups** through **8 interviews, 6 dialogues* and 171 surveys**. Each group selected the most significant issues based on their roles, needs, and expectations.

*Focus group

5 CONSOLIDATION OF RESULTS

Based on the scores of the importance of the assessed risks and impacts and the rankings assigned by our stakeholders, we defined our material topics, on which we report the performance of GEB and its subsidiaries in this report.

Introduction

GEB's
Strategy

Social and
environmental
management

Governance, Talent
and Well-being

Sustainable
and Competitive
Portfolio

• The following are the stakeholder groups prioritized by GEB:



(GRI 3-2)

LIST OF
MATERIAL TOPICS

The prioritized material topics for GEB and its stakeholders are:

- Energy transition and low-carbon development
- Climate Change
- Corporate Governance
- Operational excellence and service quality
- Economic Performance
- Environmental Performance
- Innovation and digital transformation
- Ethics and Transparency
- Shared Prosperity
- Risk Management
- Occupational health, safety and well-being





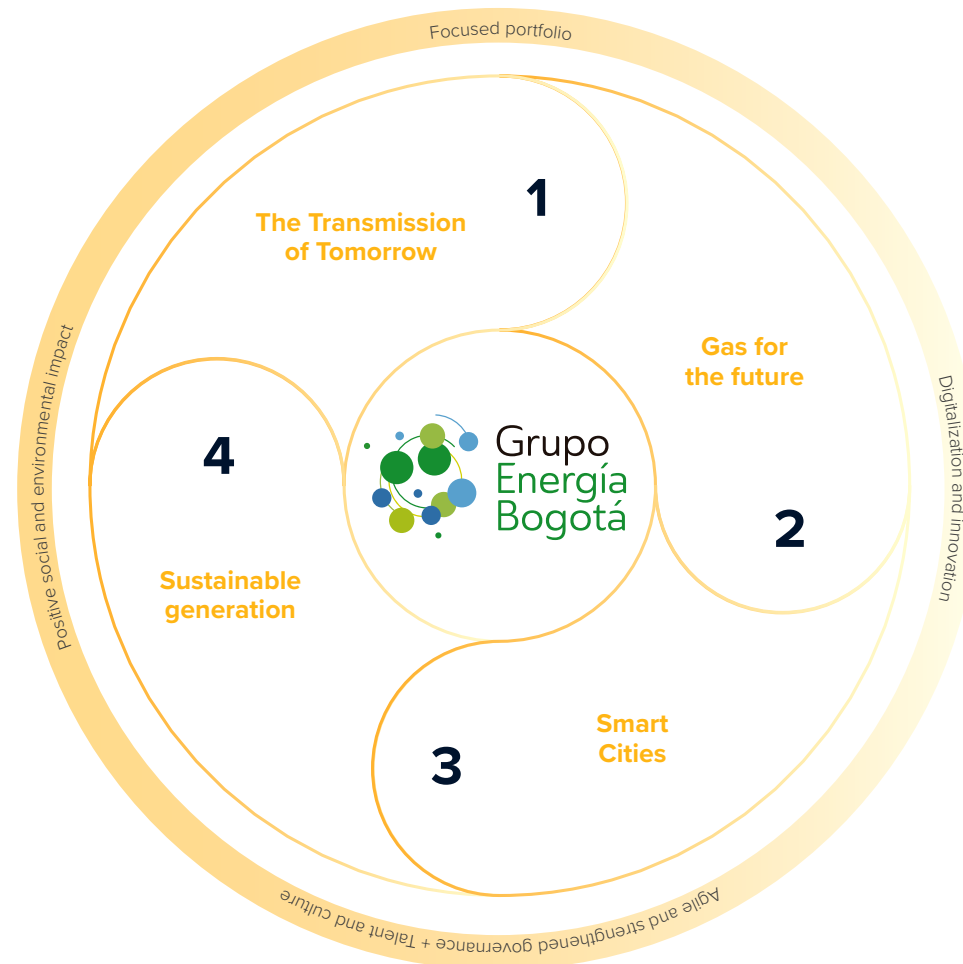
01

GEB'S STRATEGY

CORPORATE STRATEGY

The strategy of Grupo Energía Bogotá focuses on its higher purpose of

“Improving lives with sustainable and competitive energy”, which seeks to make energy an enabler for the development, prosperity and well-being in the areas of influence:



• **The Transmission of Tomorrow:**

○ 2,700 km of lines added to the portfolio, thereby reaching the 2030 target.

○ 18,000 km of transmission lines reached at the end of the period.

○ **Creation of Enlaza** to operate the electricity transmission projects in Colombia.

○ Energizing of the substations Las Cruces, Chiantla and Huehuetenango II en Guatemala

• **Gas for the Future:**

○ + 1.5 million of connections reached at Cálidda.

○ **Design of the Hydrogen program** and associated equipment to generate low-emissions hydrogen with TGI.

• **Smart Cities:**

○ Completion of the agreement of scope with Enel for public lighting.

○ + COP 7.5 BILLION in revenues through Ágata.

• **Sustainable generation:**

○ 13,633 GWh of net generation and 4,392 MW of installed capacity with Enel Colombia.

○ Began construction of the high voltage line for the Windpeshi Wind Farm, of **220 kilovolts (kV) and 97 km** long (60 km through Enel Colombia).

○ **Began construction of the largest solar energy park in Colombia and South America:** Guayepo I & II, in the department of Atlántico.

RISK MANAGEMENT

GEB's risk model enables the identification of risks and opportunities for the Company, and managing the risks in a proactive manner. It contributes to the Company's main financial, operating, environmental and social indicators.

Adequate risk management builds trust among stakeholders, and contributes to the creation of value and a more egalitarian society.

GEB constantly promotes a risk management culture through theoretical and practical workshops that transmit knowledge and train the employees on how to adequately identify and manage risks.



RESULTS:



Inclusion of climate change and human rights risks in the strategic risk matrix.



Inclusion of fraud and corruption as a strategic risk of compliance.



Identification of legal, litigation, contractual, regulatory and tax contingencies, among others.



Implementation of global trend monitoring to identify the main trends in the sector and identify gaps and opportunities related to strategic risks.

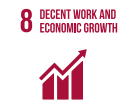


In 2022, the Strategic Risks Materialization indicator remained at **0%** for GEB and the Transmission Branch.



2022

SOCIAL AND ENVIRONMENTAL MANAGEMENT



8.1, 8.2, 8.4,
8.5, 8.7 and 8.8



9.1, 9.4



11.2

SHARED PROSPERITY

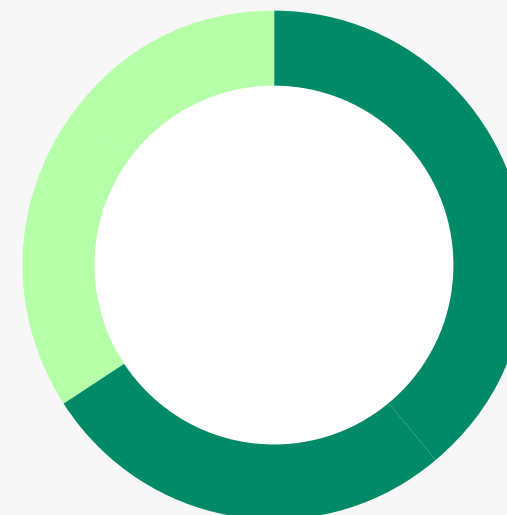
For GEB, shared prosperity is a necessary condition for the successful development of the Group's projects and operations. The Group's shared prosperity initiatives focus on implementing social impact projects, strengthening its supply chain, stimulating local economies, hiring local workers, creating shared value, strengthening local institutions and community leadership, social dialogue and intercultural relations, among others.



RESULTS:

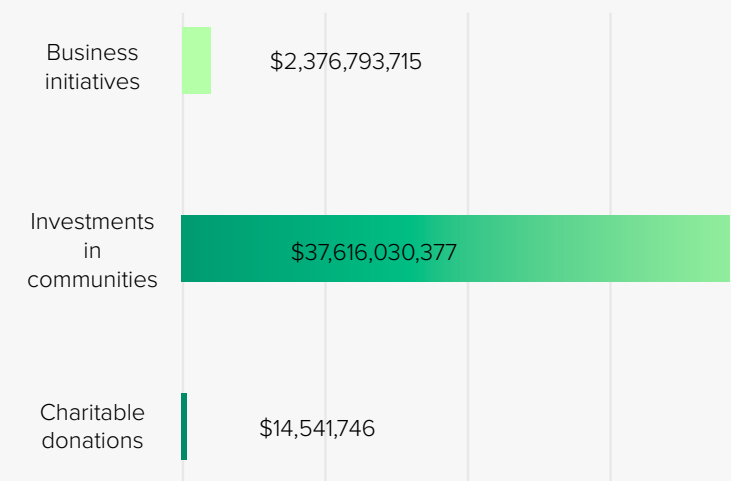
• Total social investment (COP)

Voluntary social
investment -
\$13,333,722,046



Mandatory social
investment -
\$26,673,643,793

• Type of social contribution (COP)



**THE “FABIO CHAPARRO”
EDUCATION PROGRAM FOR
THE ENERGY TRANSITION**

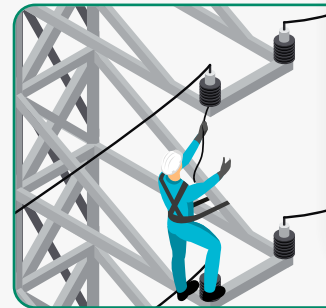
Began implementation of the “**Legacy for the Territories**” component of the **Fabio Chaparro program**. This program is to invest

USD 13 million

by 2030, and its target is to enhance the technical skills of over

24,000 people

by 2030 in areas of influence in fields that are relevant for the energy transition and sustainability. Some of the main initiatives of the program include:



SCHOLARSHIPS FOR THE FUTURE

Graduate-level education for employees in relevant areas for GEB's corporate purpose.



UPGRADING OF SKILLS

Strengthening the technical capacities of the Group's human resources.



LEGACY FOR THE TERRITORIES

Education in the areas of influence of GEB in relevant topics for the energy transition.



RESEARCH AND INNOVATION AWARD

Recognition for research and innovation in University undergraduate and graduate programs in the areas of influence.



+ COP 31,000 million

approved in works for taxes to develop educational infrastructure projects.

Investment of
COP 7,000 million

in the program “**Todos a la U**” led jointly with ATENEA, which in 2023 will provide education to over 5,000 people in technical skills related to the digital sector, the energy transition, soft skills and English.

High Social Return on Investment (SROI):
6.2 for GEB; 1.9 for TGI; 1.9 for Cálidda; 2.9 for Contugas; 1.5 for ElectroDunas and 1.8 for Conecta.

Investments in infrastructure and services supported, and people impacted by the projects:



**COP 1,717 million
64,020 people**



**COP 1,691 million
3,854 people**



**COP 887 million
7,000 people**



**COP 255 million
1,180 people**



HUMAN RIGHTS

At Grupo Energía Bogotá, the respect, protection and promotion of human rights, and diversity, equality and inclusion (DEI) are key elements of the corporate strategy and enablers for our higher purpose: "Improving lives through sustainable and competitive energy".

Consequently, the Business Group has adopted the highest international and national standards to ensure equal opportunities and rights in the territories where it operates.

HUMAN RIGHTS STRATEGY COMPONENTS



RESULTS:



Approval and adoption of the Human Rights Policy by the Group's Board of Directors and the Boards of the subsidiaries (Cálida, ElectroDunas, Conecta and Contugas).



Implementation of due diligence at the Corporate offices and its transmission business.



Identification of the mechanisms and measures necessary to avoid and offset potential negative impacts on human rights and contribute to local well-being, and the adoption of early warnings and controls to prevent the materialization of the risks.



Inclusion of the risk of human rights violations in the Group's strategic risks matrix.



246 prior consultations held in 2022 with ethnic groups at the projects Interconnection with Ecuador, Colectora, Refuerzo Suroccidental, La Loma, La Mina (Cesar) and Membrillal (Cartagena, Bolívar).



Inclusion of diversity, equality and inclusion requirements in competitive bidding contractual processes in Colombia.





ENVIRONMENTAL PERFORMANCE

At GEB, the environmental performance of its projects and operations must attain levels of excellence. For this reason, it has publicly taken on commitments related to management of biodiversity and the environment, and the use of environmental management tools.

COMMITMENTS:

- Biodiversity and no deforestation:** GEB is committed to not intervening in declared World Heritage sites or areas protected under any of the categories of conservation.
- No net loss:** GEB's commitment is to apply the criterion of functional connectivity in all its environmental investments, both mandatory and voluntary.

RESULTS:



Voluntary environmental investments of over
COP 1,600 million.



Forestry offsetting investments of over
COP 2,350 million.



74% of these investments were made in the preservation of ecosystems.



24% allocated to the restoration of ecosystems, creation and strengthening of protected areas, and training for communities on environmental topics.



1% investment in preventing the deterioration of natural resources through the creation of monitoring knowledge and techniques.



- GEB's Transmission Branch carried out an environmental offsetting strategy that prioritizes actions that contribute to ecological connectivity:
 1. First biological connectivity corridor: **20 hectares** (municipality of San Antonio del Tequendama).
 2. Implementation of a conservation and distribution model for the species *Leopardus tigrinus* in the Bogotá River basin area.



TGI planted **500 native trees** in the municipality of Villavicencio.



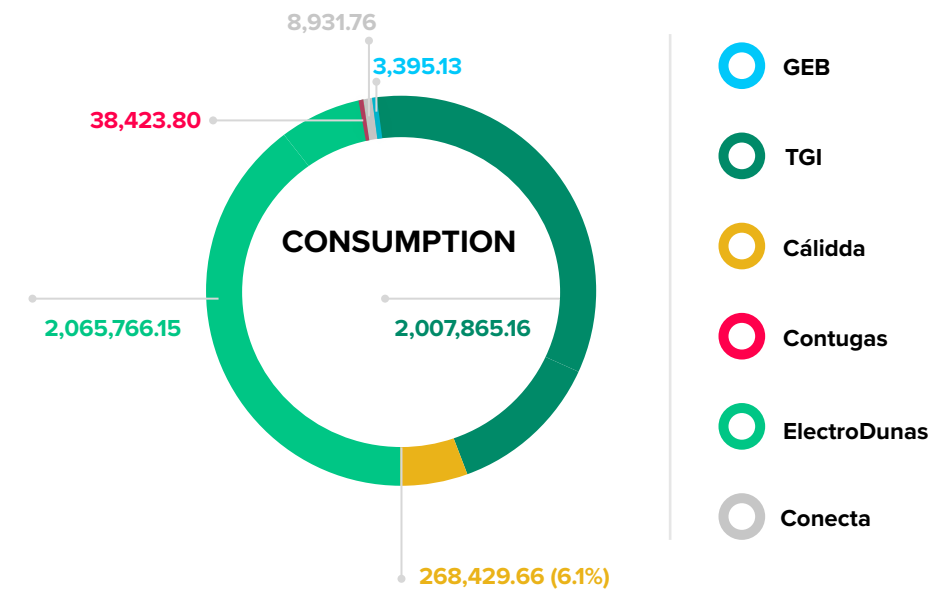
Cálidda was awarded the **Blue Certificate** for its sustainable management of water.



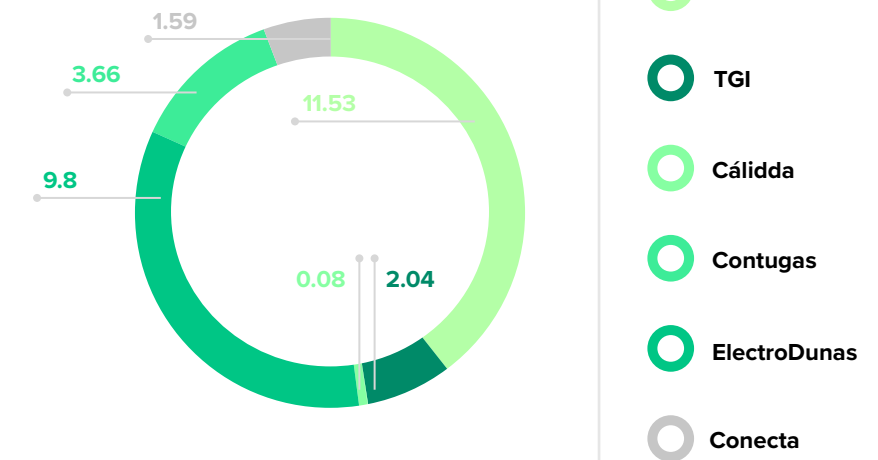
Contugas implemented a project for the valuation of organic waste in Humay, Pisco.



ElectroDunas substituted **17,098 KWh** of electricity from the grid with the operation of the photovoltaic solar plant at Ica Norte.



Energy consumption includes all types, such as renewable and non-renewable sources, and purchases from the public grid.



Water consumption includes all surface, underground and third party sources



7.2, 7.3

9.4

12.2, 12.4

13.1

15.2

CLIMATE CHANGE

Climate change management is a crucial pillar of the corporate strategy.

In January 2022, GEB adopted a Climate Change Corporate Policy that establishes five lines of action: climate change risk and opportunity assessment, mitigation, adaptation, energy transition and financial affairs.



Here

RESULTS:



The Corporate offices, the Transmission Branch and TGI in Colombia were certified as carbon-neutral.



In June 2022, GEB published its first report on climate risks and opportunities based on the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD).



GEB, Cálidda and TGI have adopted the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD).

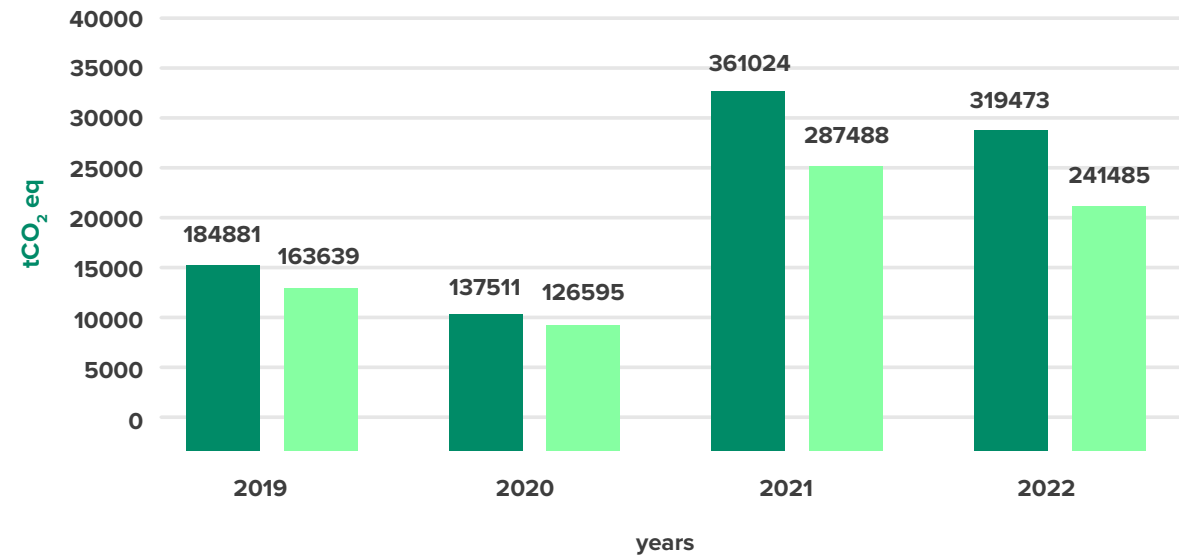


In 2022, TGI carried out a methane leak detection campaign, checking 13% of its infrastructure, and repaired all the leaks found.



TOTAL AND NET EMISSIONS OF THE BUSINESS GROUP

(GRI 305-1) (GRI 305-2) (GRI 305-3)



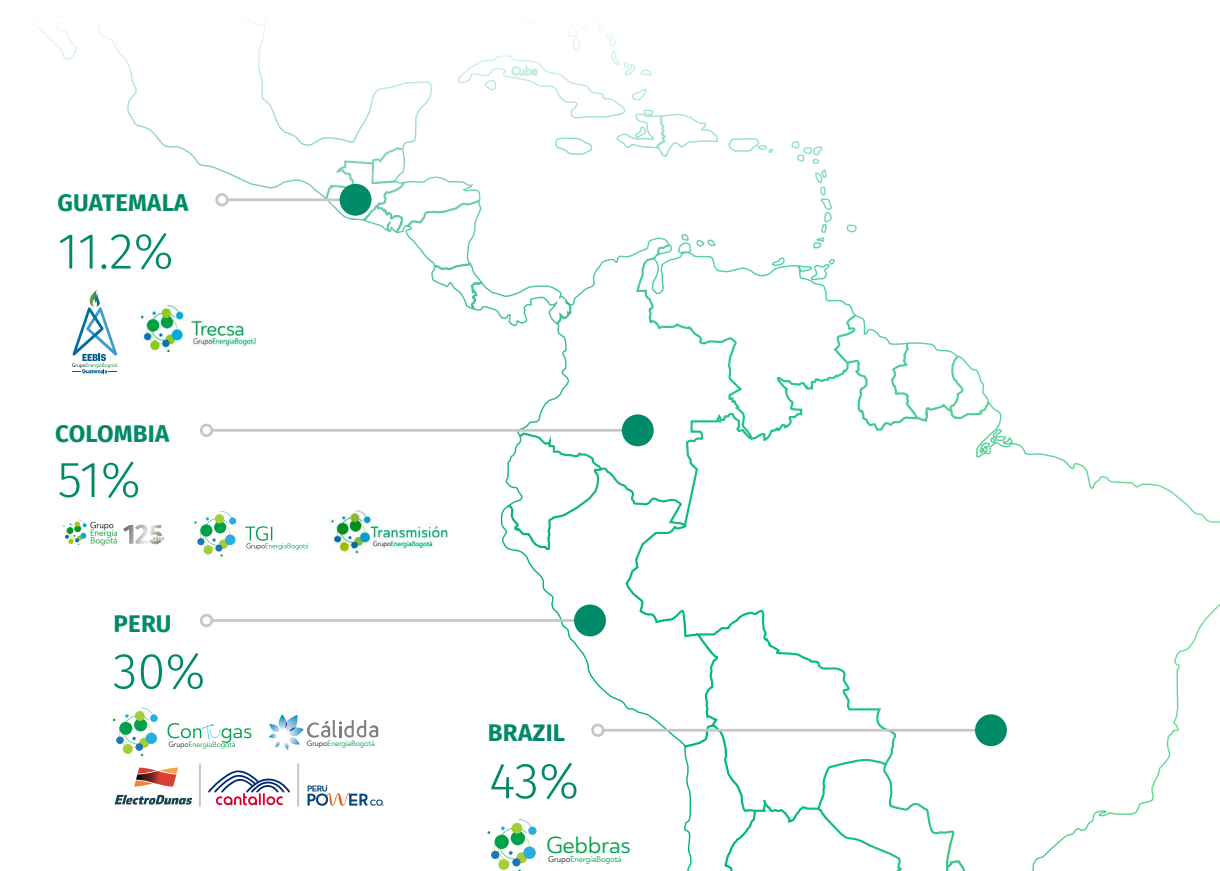
Total emissions Net emissions

• Table of emissions offset by subsidiary in 2022

	OFFSET EMISSIONS IN 2022			
	Corporate	Branch	TGI	Calidda
tCO ₂ eq	248	3823	70597	3320

in 2022, in 2022 by GEB and its subsidiaries offset **77,987 tCO₂eq** through the acquisition of carbon bonds issued for REDD+ projects.

EMISSIONS REDUCTION COMMITMENT TO 2030



(GRI Oil and Gas 11.2.1)

Additionally, in 2022, the Board of Directors set the target of reducing the net emissions of the entire Business Group, based on the following levels of fulfillment:

FULFILLMENT LEVEL	2022 CO ₂ EQ EMISSIONS REDUCTION TARGET
Satisfactory (90%)	3.70%
Very satisfactory (100%)	4.20%
Extraordinary (120%)	4.60%

% reduction of net emissions

Fulfillment of this target affects 10% of employees' variable compensation. Additionally, through the acquisition of carbon bonds, the Group's subsidiaries offset any emissions that cannot be reduced through technological adjustments.

Introduction

GEB's
Strategy

Social and
environmental
management

**Governance, Talent
and Well-being**

Sustainable
and Competitive
Portfolio



ESG

GOVERNANCE, TALENT AND WELL-BEING



16. 6

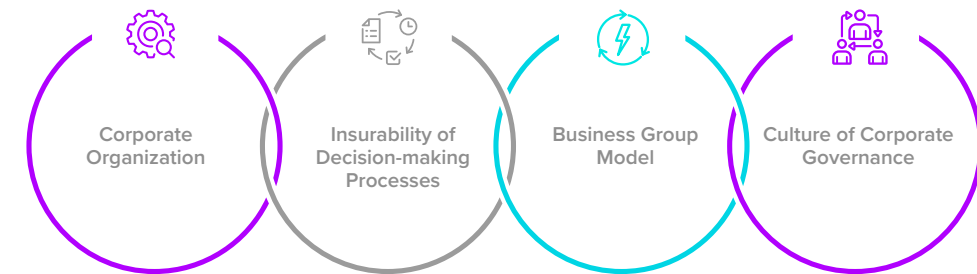
CORPORATE GOVERNANCE

Corporate governance is the driver of the strategy and defines the way GEB's businesses are developed. It is a tool that is necessary to address in a competitive and sustainable manner the challenges of the energy transition.

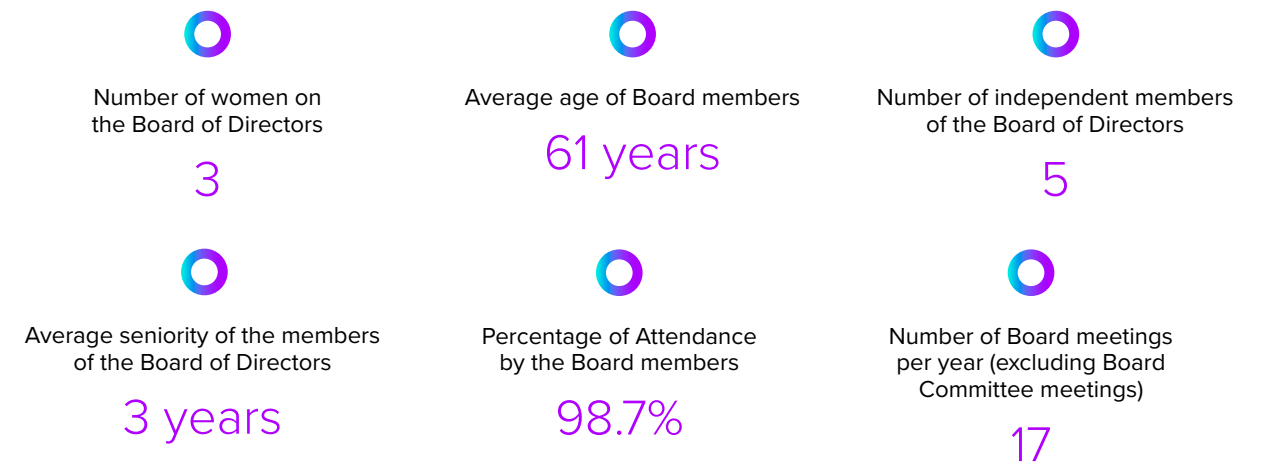
Corporate governance assures the respect for stakeholder rights, and supports the fulfillment of the duties and obligations of GEB's management bodies. The corporate governance instruments assure compliance with the strategy for the protection of human rights and the transparent and effective management of decision-making processes at the highest level.

(GRI 3-3)

CORPORATE GOVERNANCE



The Board of Directors of GEB has a Corporate Governance and Sustainability Committee that proposes and supervises compliance with the corporate governance measures and of the sustainability approach adopted by the Company and the Group companies.



RESULTS:




The Business Group Agreement signed with the subsidiaries was updated, to establish the strategic framework for corporate relations.


61 years




Fulfillment of **95.9%** of the best practices recommended by Código País of the Financial Superintendence of Colombia.



Fulfillment of **97.3%** of the Investor Relations (IR) recognition granted by the Colombian Securities Exchange (bvc) to issuers.



Score of **100%** in the measurement of corporate governance carried out by the District Ombudsman's Office (*Veeduría*) of companies in which the Capital District has shareholdings.



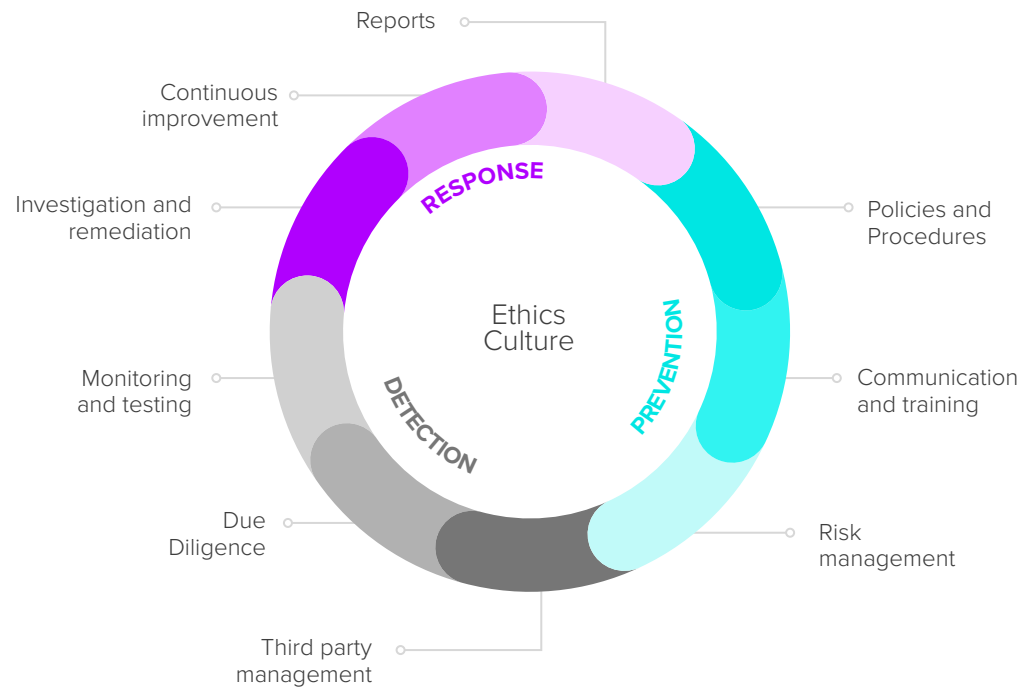
Scored **83 points** in the economic and governance dimension of the Dow Jones Sustainability Index assessed by S&P Global.



16. 5

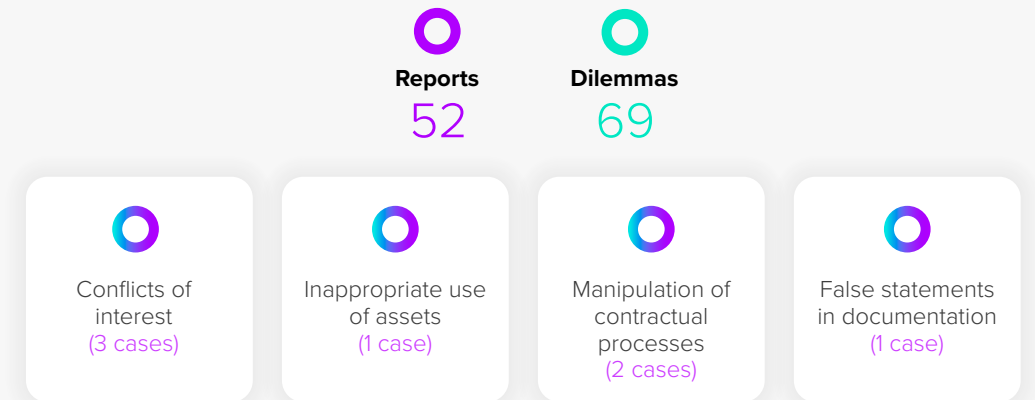
ETHICS AND TRANSPARENCY

Ethics and transparency are the foundations for engaging in all relationships, interactions, actions and decisions by Grupo Energía Bogotá and its subsidiaries. For GEB, it is essential to ensure that all business objectives are fulfilled without breaching the institutional ethics framework, and that management is based on transparent conducts.

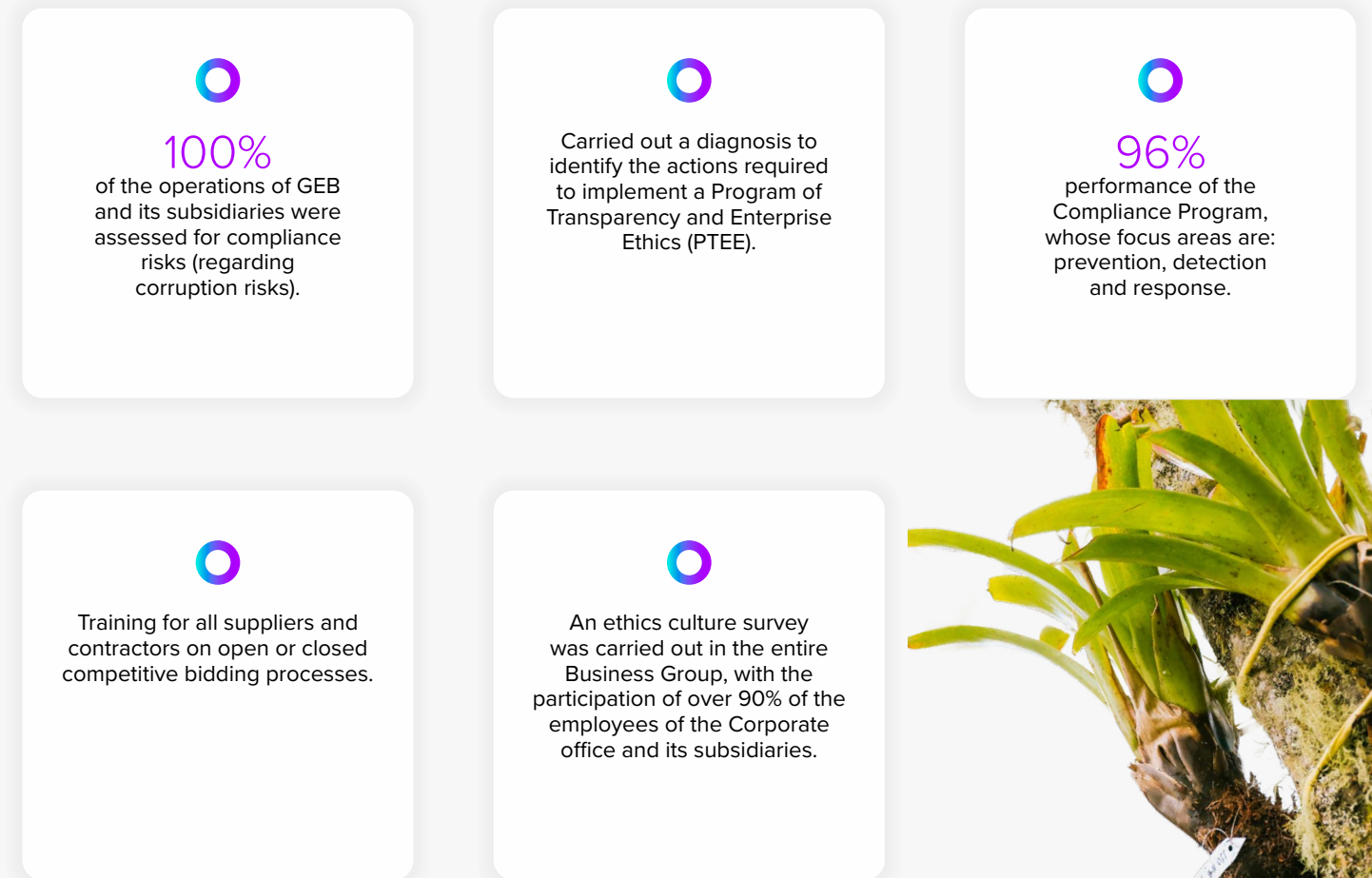


The Ethics Channel builds trust with stakeholders. It is managed by an independent third party and enables all employees and external agents to communicate ethical dilemmas, reports and inquiries on situations that may affect the Company's ethics framework.

EVENTS REPORTED THROUGH THE ETHICS CHANNEL



RESULTS:





TALENT AND WELL-BEING MANAGEMENT

At GEB, talent management is framed in the corporate values (Life Comes First, Integrity, Teamwork with Individual Responsibility, Focus on Results and Empathy), which establish the frame of action for enabling talent development at GEB, to make it a company of reference in the market in this area.

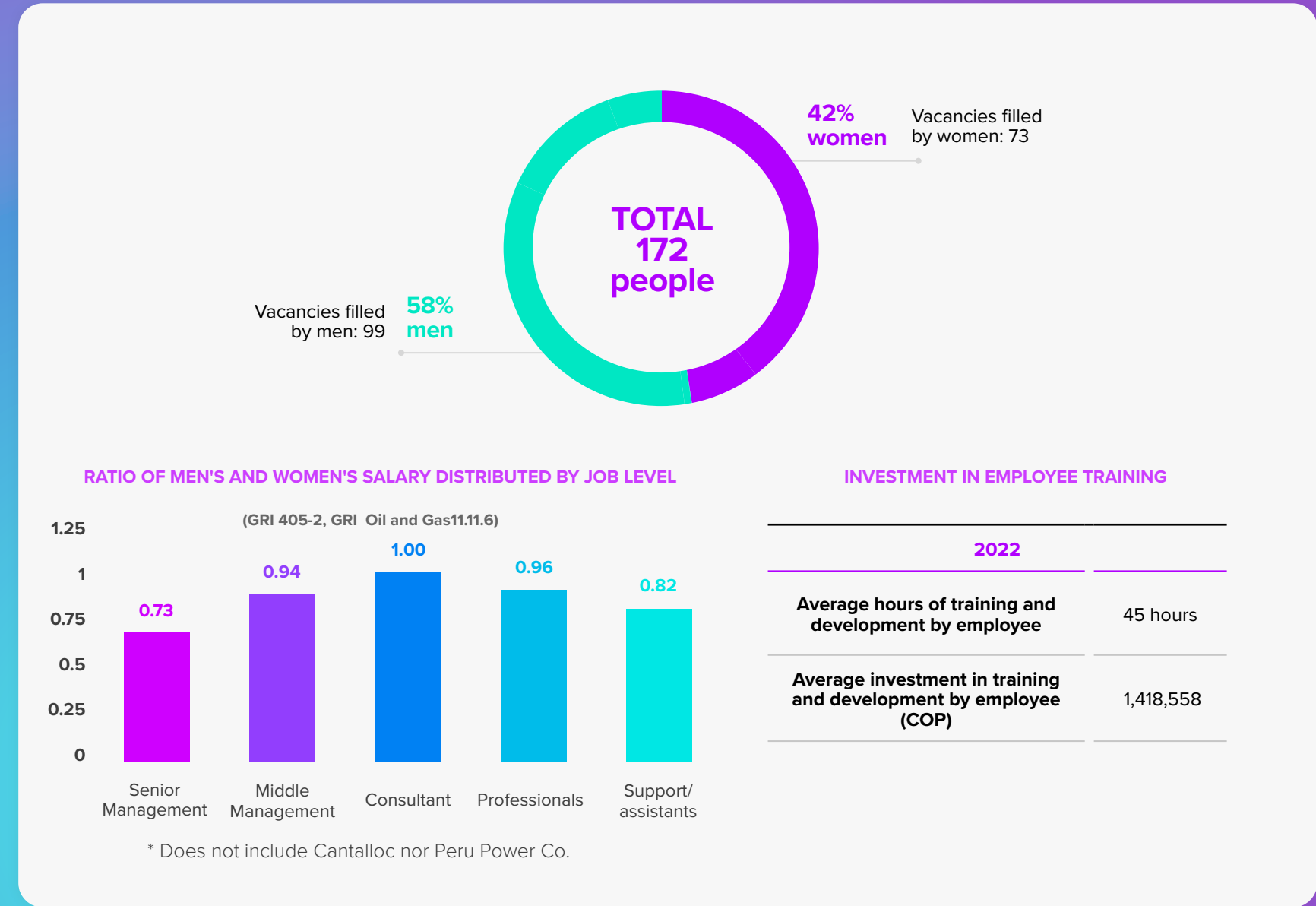
In 2022, the talent management work plan focused on strengthening employees' development, leadership skills, and safety and well-being conditions.



26% Women in Senior Management

40% Women in Middle Management

38% Women in management positions



RESULTS:

- Over 95% of employees are highly satisfied with the workplace environment.
- Strengthening of the Comprehensive Well-being Plan with a focus on mental and physical health in response to the post-pandemic environment.
- 100% of GEB leaders received periodic performance evaluations under the 360° methodology.
- 99% of GEB employees participated in training programs in 2022.



OCCUPATIONAL SAFETY AND HEALTH

At Grupo Energía Bogotá, the protection of life, as well as the safety of employees and contractors is a central objective. This is reflected in the corporate value of "Life Comes First".

The Group has established an Occupational Safety and Health Management System (OSHMS) that not only complies with applicable law in each country where we operate, but also has been designed following the international standard ISO 45001-2018. 2022 **was the fifth consecutive year with no fatal work accidents** in all the operations in Colombia, Peru, Guatemala and Brazil.



RESULTS:



Training of
100%
of employees and
contractors on Occupational
Safety and Health topics.



Implementation of programs
that promote healthy
habits, lifestyles and the
comprehensive well-being of
GEB's direct employees.



0
cases of occupational
illnesses or diseases
reported in the last
two years at GEB
and its subsidiaries.



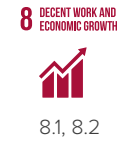
OSHMS covers
100%
of employees
and contractors.



90%
fulfillment of the proactive
performance indicator, with
increased coverage and
including verification of the
quality of the
proactive practices.



04 SUSTAINABLE AND COMPETITIVE PORTFOLIO



ECONOMIC PERFORMANCE

The Group's strategic long-term vision is to be a leader in Latin America, with a focused, profitable and sustainable portfolio driven by innovation and agile and transparent governance, that creates positive social and environmental value for its stakeholders and communities in the territories where we operate.

RESULTS:



Record results in 2022, with annual revenues of **COP 6.87 trillion**, consolidated net income of **COP 3.0 trillion** and EBITDA of **COP 4.8 trillion**.



Operating profit of **COP 2.1 trillion**, up **18%** compared to 2021.



Increase of **24% in costs**, in line with the higher level of operations and maintenance.



Obtained an international syndicated loan for **USD 509 million** and local loans for **COP 262,000 million**, to finance the 2022 investment plan.



Fitch Ratings and Moody's confirmed their ratings at BBB and Baa2, respectively, with a stable outlook, maintaining the investment grade for the Company.



GEB adhered to the pact to reduce electricity rates promoted by the Colombian government.



Efficient debt management considering the volatility of interest rates in the market.



(201-1)

ECONOMIC VALUE GENERATED AND DISTRIBUTED

ECONOMIC PERFORMANCE

	TRM	December 31, 2022
	USD	4,255.44
	GEB (millions of COP)	GEB (millions of USD)
	2022	2022
Economic value generated (EVG)	9,294,336	2,184.11
Operating revenues	6,876,110	1,615.84
Financial revenues (interests, dividends, others)	259,002	60.86
Income from equity method	2,096,561	492.68
Other non-operating revenues	62,663	14.73
Economic value distributed	7,137,124	1,677.18
Operating costs (property leases, license fees, royalties, contractor payments, among others)	3,229,749	758.97
Salaries, mandatory benefits and other employee benefits (salaries, pension contributions, insurance, indemnities, payroll taxes, among others)	412,270	96.88
Dividends paid to shareholders	1,762,786	414.24
Payments to providers of capital (interest)	1,019,884	239.67
Payments to governments, (taxes, fines, penalties, permits, among others)	672,427	158.02
Investments in the communities	40,007	9.40
Economic value retained	2,157,212	506.93
EBITDA*	4,865,880	1,143.45
Net income**	3,026,986	711.32

* Adjusted EBITDA, which includes controlled EBITDA plus declared dividends.

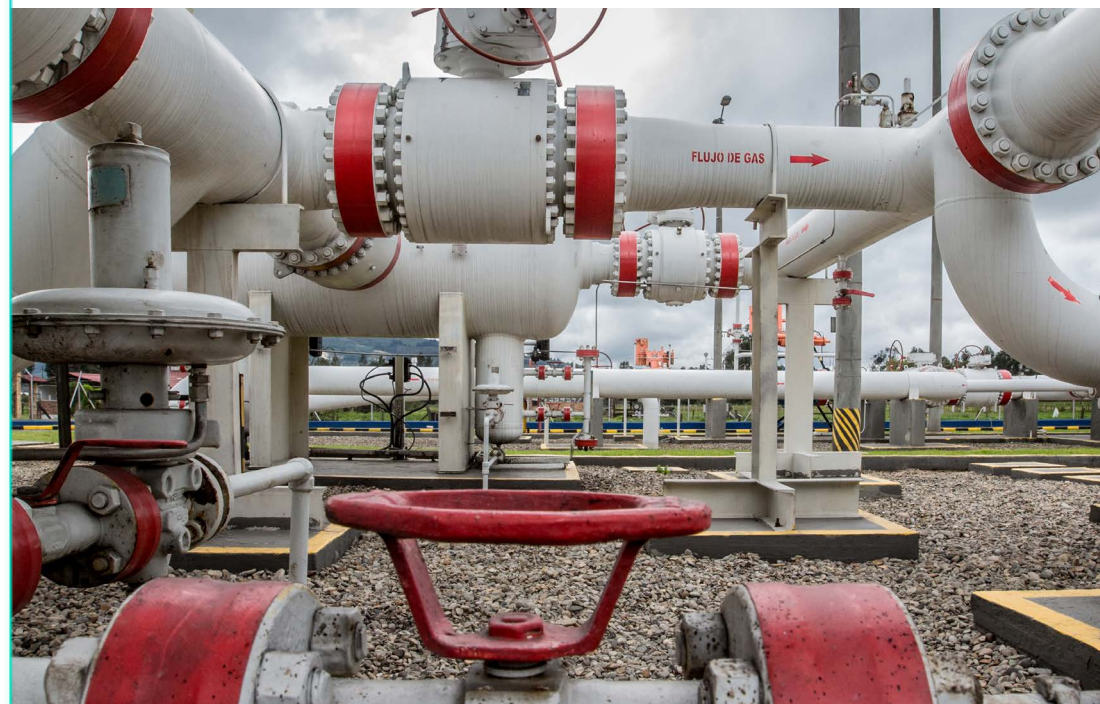
** Net income for the year attributable to controlling and non-controlling interests.



OPERATING EXCELLENCE AND SERVICE QUALITY

Operating excellence and service quality enable achieving high standards of reliability and availability and adequate management of costs and risks.

The Integrated Management System assures the reliable operation of the infrastructure and service availability, along with service continuity plans, knowledge management, innovation and good practices.



OUR MANAGEMENT RESULTS:

(Own) (SASB IF-GU-540a.4)

• Availability of infrastructure in operation

	2019	2020	2021	2022
Availability of gas transportation assets (%)	TGI			
	98.2	98	97.8	99.93
Availability of compression stations for gas transportation (%)	98.2	98	97.8	96.4
Availability of gas transportation assets (%)	CÁLIDDA			
	100	100	100	100
Availability of gas transportation assets (%)	CONTUGAS			
	100	100	100	100
Availability of electricity transmission assets (%)	BRANCH			
	99.96	99.95	99.92	99.91
Availability of electricity transmission assets (%)	CONECTA			
	99.98	99.99	100	100
Availability of electricity transmission assets (%)	ELECTRO DUNAS			
	100	100	100	99.91
Availability of electricity distribution assets (%)	ELECTRO DUNAS			
	N/A	N/A	N/A	88.6

• **Fulfillment of
the maintenance plan**

2019	2020	2021	2022
BRANCH			
100.00	100.00	100.00	100.00
TGI			
98.90	98.40	98.30	98.10
CÁLIDDA			
100.00	95.40	98.80	98.70
CONTUGAS			
100.00	100.00	100.00	100.00
CONECTA			
99.60	100.00	97.10	99.99
ELECTRO DUNAS			
94.40	82.94	91.31	96.50

RESULTS:



ISO 55001:2014 certification for GEB's Asset Management System.



Recognition for GEB as the most cost-efficient company in terms of maintenance costs, according to the ranking of CIER 11 (Regional Energy Integration Commission).
99% fulfillment of the maintenance plan at the Business Group level.



Certification of TGI under the ISO 50001 energy efficiency standard.



Implementation at TGI of **95%** of the "Tightening and Adjustment Plan" to reduce methane emissions.



Began operation of the first reactive power compensation equipment in Central America through Conecta.



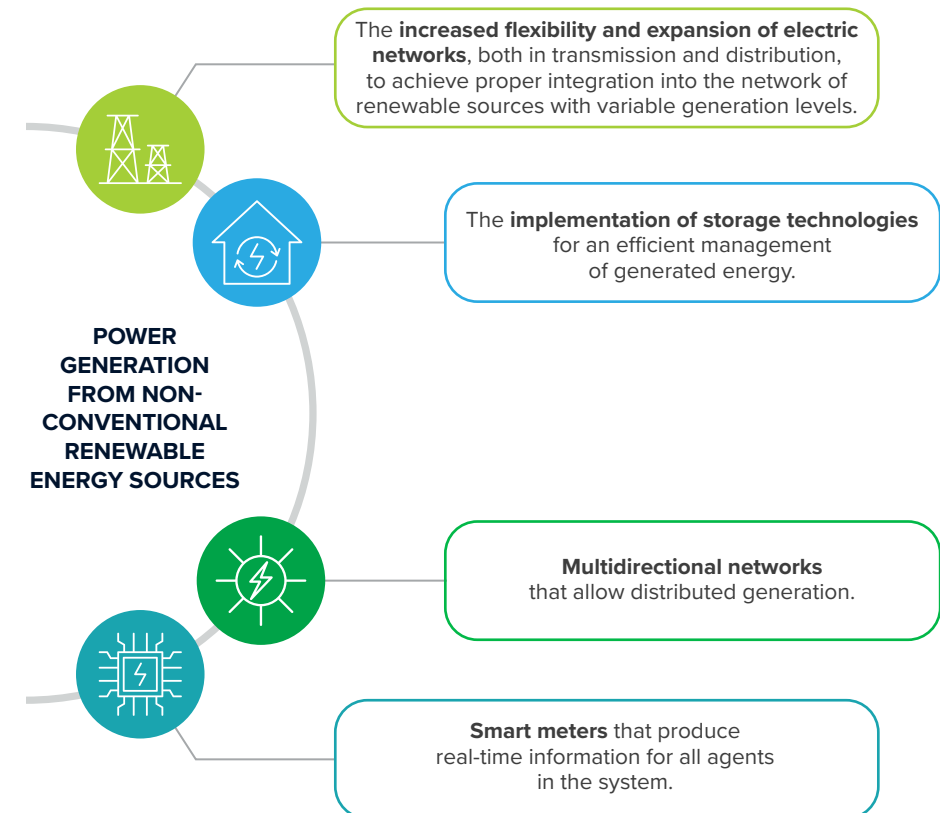
40% reduction in customer complaints compared to the previous year at Contugas.





ENERGY TRANSITION AND LOW-CARBON DEVELOPMENT

Through its operations, GEB facilitates the **growth of sustainable mobility, energy efficiency**, the use of solar and wind energy, and the incorporation of new energy sources such as hydrogen.



RESULTS:



In 2022, **84%** of investments were allocated to energy transition projects.



Acquisition of Elecnorte in La Guajira, Colombia, with **138.3 km** of transmission lines.



Reinforced presence in Brazil through the acquisition of **5** electricity transmission concessions with an investment of **USD 821 million**, adding **2,416 km** of transmission lines and **13** operating substations.



Launch of the first LNG station in Peru by Cálidda.



Start-up of a photovoltaic solar plant at Ica Norte, which prevents emissions of **84 tons of CO₂** per year, and has prevented consumption of 70 tons of fossil fuels.



Expansion of the gas distribution network and installation of **219,175** new connections, for a total of **1,519,397** customers at Cálidda.



Installation of a BESS system (storage of energy for frequency regulation) at the Llipata transmission substation in Peru, of ElectroDunas.

• GEB investments in the energy transition (USD)

GEB
587,000,000
Branch
62,423,392
TGI
1,031,027

Cálidda
138,138,767
Contugas
3,166,563
ElectroDunas
2,530,000

Conecta
32,083,662
TOTAL
826,373,411

INNOVATION AND DIGITAL TRANSFORMATION

Innovation is a driver of the Business Group's corporate strategy that enables finding new sources of sustainable value.

The innovation management model focuses on collaboration with local innovation ecosystems, and contributes to their growth and maturity.

	(CSA OF S&P GLOBAL) R&D+I EXPENDITURES	BUSINESS GROUP			
		2019	2020	2021	2022
Investment in R&D (Millions of USD)	4.65	16.05	32.99	9.07	
Number of R&D positions	3	37	55.20	64.23	
R&D expenditures as % of sales	0.31	2.03	3.87	1.28	

RESULTS:



Adoption of the **Innovation Policy**, which defines the guidelines for management of this field.



Launch of GEB's innovation motto **"Stars Up"** as umbrella for the Business Group's R&D+i function.



Creation of the **Innovation Committee** of the corporate office and the controlled subsidiaries.



99 innovative ideas were generated, 37 of which moved on to the qualitative business case development phase, and 13 moved on to the quantitative business case development phase.



Execution of **12 innovation pilot projects** began, of which 5 were completed.



Training of over 40 innovation drivers distributed throughout the Business Group to leverage GEB's R&D+i function.



Launch of an internal ideas management platform, including meetings and channels to originate and record them.



Strengthening of information security controls to protect data from computer viruses, and identity protection in the event of theft or impersonation of credentials and information leaks.



Implementation of remote work supported by digital technologies, enabling employees to perform their duties and to interact between work teams.



Definition of risk management and cyberasset risk management methodologies.



INTEGRATED SUSTAINABILITY REPORT

2022

Executive Summary

