Energy Efficiency Management

TGI
GrupoEnergíaBogotá

At TGI S.A. ESP, we operate an Environmental Management System and an Energy Management System certified under ISO 14001 and ISO 50001 standards, respectively. These systems are subject to periodic internal and external audits conducted by independent and qualified entities. These assessments allow us to verify regulatory compliance, measure system effectiveness, and promote continuous improvement.

In 2025, we conducted an external audit with Bureau Veritas, successfully expanding the scope of our ISO 50001 certification, which now covers a total of 16 operational sites. This expansion reflects our commitment to energy efficiency and the consolidation of increasingly sustainable operations.

Within the framework of our Energy Management System, we conduct quarterly assessments of the energy performance of each operational site included within the scope of the ISO 50001 certification. These assessments enable us to identify deviations from established indicators, generate early warnings, and timely detect improvement opportunities related to energy consumption, efficient use, and control.

This approach facilitates the implementation of corrective and preventive actions, strengthens data-driven decision-making, and contributes to achieving the objectives defined within our Climate Change and Energy Efficiency Program.

Additionally, our Climate Change and Energy Efficiency Program aims to establish and consolidate targets, indicators, and baselines for the Energy Management System. Within this framework, we focus our targets on the energy performance of different operational sites according to the specific activities carried out at each location.

These are relative targets that allow us to demonstrate the efficiency with which we manage our natural gas transportation operations. The defined targets are presented below:

Operational Site	Target	Formula
Centrifugal Gas Compression Stations (GCS)	0.0010 GJ/KPC	Total Energy Consumption (GJ) / Delivered Gas (KPC)
Reciprocating (ECG)	0.0080 GJ/KPC	Total Energy Consumption (GJ) / Delivered Gas (KPC)
COG Administrative Activities	1.1000 GJ/person	Total Energy Consumption (GJ) / Site Personnel (# of People)
Corporate Headquarters	0.1300 GJ/person	Total Energy Consumption (GJ) / Site Personnel (# of People)

Part of this commitment includes implementing actions to improve the efficiency of our energy consumption. During 2025, we continued implementing projects and initiatives במסגרת the update of our decarbonization pathway, directly contributing to efficiency improvements and reductions in energy consumption according to significant operational energy uses.

These initiatives include:

- Implementation of the flare shutdown procedure at Gas Compression Stations (GCS)

- Hydraulic Model Optimization - Digital Twin.
- Start of operations of two Gas Compression Stations (Venadillo and Pradera) using electric motor technology.

We continue to make decisive progress toward implementing renewable energy solutions and more efficient technologies across our operations. During 2025, two new Gas Compression Stations (GCS), located in Pradera and Venadillo, began operations. These facilities stand out for replacing combustion engines with electric technology, a measure designed to mitigate climate change and significantly reduce environmental impacts associated with noise emissions.

At the same time, we have advanced our transition toward renewable energy sources through the progressive installation of lighting systems and solar panels across various infrastructures, including City Gates, valve stations, and additional Gas Compression Stations, with the objective of meeting operational energy needs.

In the medium term (2026-2027), we plan to begin construction of at least one solar farm. This project aims to supply energy demand for operational sites that prove technically and economically viable following pre-feasibility studies.

During the year, we continued allocating resources and investments toward the following key actions for energy efficiency and decarbonization:

- Flare shutdown procedures at Gas Compression Stations (GCS)
- Hydraulic Model Optimization - Digital Twin.
- Construction and commissioning of Pradera and Venadillo Gas Compression Stations using electric technology.
- Expansion of the Energy Management System scope to 16 certified sites.
- Installation of solar panels at operational facilities and Gas Compression Stations.

Finally, as part of our commitment to internal capacity building, we maintain an internal and external training program that includes a dedicated thematic line focused on energy efficiency and climate change. Through this component, we strengthen the knowledge and technical capabilities of employees and contractors, promoting the rational use of energy, efficient operational control, and identification of improvement opportunities across all operational sites.