



Circular Economy

SierraCol Energy



Circular Economy



*The circular economy allows affordable, reliable, resilient, and sustainable business development over time through the efficient use of natural resources (water, energy, and materials). Responsible waste management is one of the most important lines of action in **SierraCol Energy's environmental management.***

Our circular economy principles



"Plan before starting in order to prevent waste and pollution"



"Keeping products and materials in use"



"Recovery and regeneration of materials"

Our circular economy pillars are aligned with the National Circular Economy Strategy (ENEC) and the Ellen McArthur Foundation

SierraCol Energy has identified several opportunities to enhance circularity in four lines:

Water

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Based on our integrated water strategy pillars: (i) water quality, (ii) water use efficiency, (iii) water access and sanitation for communities, and (iv) research and development. Reducing water consumption and increasing water reutilization and recirculation is a priority. For more information, please visit the **SierraCol Energy** website under ESG/Water Management

Materials

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In order to reduce consumption of raw materials and be aligned with sustainable development goals, **SierraCol Energy** promotes reutilization, recycling, and recovery of materials and waste since the acquisition of products until their use ends.

Energy and emissions

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Our strategy to reduce carbon footprint focuses on identifying optimal alternatives for energy use and management of both greenhouse gases (GHG) and non-GHG. For more detailed information, please visit the SierraCol Energy website under ESG/Climate Change

Social

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SierraCol Energy develops projects that have a positive impact on the lives of communities located in the surrounding areas by applying responsible business practices. These projects are based on a symbiotic relationship between social and business aspects.



Circular economy actions are being implemented

LOCAL MARKETS



Since 2022, we have purchased over 14 tons of local agricultural products.

USE OF ORGANIC MATERIAL



SierraCol Energy implements composting activities using organic waste from restaurants in the Arauca region. During 2023, we have utilized over 18,000 kg of organic material.

REUSE AND RECYCLING OF ELECTRICAL AND ELECTRONIC EQUIPMENT



SierraCol Energy has donated 62 computers to the area of influence starting in 2022.

We have recycled more than 5,000 kg of electrical and electronic equipment through post-consumer initiatives.

RECYCLING OF USABLE WASTE AND HIGH-DENSITY PLASTIC



Since 2022, more than 31 tons of high-density hard plastic (casing caps) have been recycled through an extrusion process.

SierraCol Energy, as part of its commitment to local companies, has formed an alliance with recyclers associations in Arauquita municipality. In 2023, through this partnership, more than 2,100 kg of paper, cardboard, glass, and plastic have been recycled.

ENERGY AND EMISSIONS



The actions related to the energy and emissions circularity line are aimed to achieve **SierraCol Energy's** goals for reducing carbon footprint:

- By 2023, we aim to achieve a 50% reduction in emissions.
- By 2025, we are committed to eliminating gas flaring.

DRILLING CUTS



SierraCol Energy is in the process of obtaining the necessary national permits for the use and recycling of drilling cuts in civil works within its Arauca fields.

HAZARDOUS WASTE RECOVERY

Through an alliance with local entrepreneurs and synergies among various industries, **SierraCol Energy** seeks to close the cycles of various types of waste to prevent their final disposal in landfills. The priority is the reuse and recycling of materials. Currently, there are more than 12,000 kg in this process, including tyres, paint cans, filters, batteries, lamps, aerosols, and containers.





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