

Colonial Climate change policy
2018



Basic principles

The risks arising from climate change are very high, thus the implementation of measures for the adaptation to future impacts of climate change are inevitable and must be included both within a wider context of sustainable development, and integrated in environmental policies.

One of the main objectives is to achieve highly energy efficient buildings and reduce greenhouse gas emissions in buildings by 2050 without sacrificing the comfort and safety of users.

These objectives fully adjust to international agreements and, especially, to the below 2-degree goal set out by the Paris Agreement.

From the environmental point of view, the business development department of Colonial has defined the Sustainability Master Plan 2018-2019 which aims to go a step further in the environmental commitment of the company. This plan sets up sustainable development goals, and also includes challenges arising from climate change.

OBJECTIVES

Grupo Colonial ensures that their entire building portfolio takes measures to:

- Adapt buildings to climate changes that have already occurred and implement measures to anticipate to any future effects (adaptation measures).
- Mitigate the effects of their activity on climate change (mitigation measures).

Strategic lines of action

Adaptation measures for new scenarios and mitigation measures to reduce future climate change effects must be implemented in close coordination, based on the vulnerability of the building and its surroundings, focusing primarily in the synergies between them.

ADAPTATION MEASURES TO CLIMATE CHANGE

Adaptation measures consist on planned adaptation to reduce the vulnerability of buildings to climate change impacts, as well as reducing costs in further adaptation measures to be implemented for the new climate change scenarios.

The Sustainability Master Plan 2018-2019 identifies actions based on the analysis of the adaptive capacity of the assets to climate change and any related risks, in order to anticipate possible increase in exceptional climate-related events.

Grupo Colonial analyses the effects under different climate change scenarios already observed, anticipating to be more extreme in the future:

RISING TEMPERATURE

Adaptation measures:

- Reduce the buildings' energy consumption.
- Growth in renewable energy.
- High performance HVAC equipment.
- Improve building automation and control systems.

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FLOODS

Adaptation measures:

- Water resistant materials.
- Provision of a wider system for sewage networks.
- Evacuation procedures.
- Earth retainment.
- Flood reports.
- maintenance and inspections of potential damages.

DROUGHT

Adaptation measures:

- Low water consumption equipment and systems.
- Rainwater and greywater reuse.
- Water leakage control.

ECOSYSTEM DESTRUCTION

Adaptation measures:

- Water cycle recovery.
- Creation of green spaces
- Ecological assessments and monitoring measures.

STRONG WINDS AND HAIL

Adaptation measures:

- Wind and hail resistant elements.
- Maintenance and inspection of possible damages.

HIGHER GHG CONCENTRATION

Adaptation measures:

- Air quality control.
- Replacement of fossil fuels with electricity.

POWER SUPPLY DISRUPTIONS

Adaptation measures:

- UPS to protect from any possible power outage.

CLIMATE CHANGE MITIGATION MEASURES

Mitigation measures consist on addressing the acceleration of climate change reducing Greenhouse Gas (GHG) emissions.

The objective is to achieve highly-efficient buildings and maintain low GHG emissions for 2050 in a profitable way without undermining users comfort and safety.

Grupo Colonial plans their actions taking as reference the commitments assumed by the UE to mitigate climate change: 20-20-20 (reduction of GHG emissions, increase energy consumption from renewable sources, and reduction of primary energy consumption)

Grupo Colonial promotes the use of sustainable materials to minimize emissions in the whole-building life-cycle, ensuring they are used efficiently, in addition to managing the waste generated in the buildings activity processes to ensure proper recycling. Thus, it is taken into account that both the manufacturing of construction materials and improper waste management contribute directly to increase the amount of Greenhouse Gases (GHG) emissions that increase climate change effects.

Grupo Colonial calculates the carbon footprint of their buildings to assess the total impact that their activity has over climate in regards to GHG emissions (Greenhouse Gas). This is the first step to identify emissions and start decreasing them to avoid contributing towards climate change.

The following requirements are applicable to the different suppliers:

- Assess their impact on climate change, establishing future objectives to reduce GHG (Green House Gas) emissions.
- Provide the required information to determine the Carbon Footprint (Scope 3) of Grupo Colonial.
- Participate in positive impact initiatives to balance out their carbon footprint.

Promoting sustainable mobility limits climate change effects and in order to reach this goal Grupo Colonial is making improvements to their buildings' parking spaces, such as adding bike parking spaces that include changing rooms,

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charging stations or parking spaces for car sharing companies.

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