

Heliopolis University's Climate Action Plan



Introduction

Heliopolis University is committed to taking an active role in combating climate change through its Climate Action Plan, designed to significantly reduce the university's carbon footprint. This plan aligns with Egypt's national goals for emissions reduction and contributes to global efforts toward climate resilience. By adopting sustainable practices in energy, waste management, and resource efficiency, Heliopolis University aims not only to reduce its own environmental impact but also to serve as a model for climate action in higher education across the country and beyond.

Action Plan and Reducing Emissions

The action plan aims to regulate an organization's resource use to minimize its overall carbon

footprint. The action plan is customized for each organization, and it assesses eight action areas, identifying the targets of each area and the actions to achieve these targets. Heliopolis University Has a plan for fuel switching to renewable energy as we manage the factory machines in order to save energy and costs.

The best-performing manufacturers are innovating and developing new products. Heliopolis University Produces high-quality sustainable products. Heliopolis University Has an impressive plan to enhance the sustainability of the operating system. The plan includes switching fuel, building development, a new fleet, and a new smart machinery line.

In addition to the Heliopolis University Action plan, CFC recommends the following actions be considered:

1. Electricity use and Energy Efficiency

The main targets of this action area are reducing electricity consumption, setting an energy efficiency plan to reduce electricity consumption, and increasing electricity efficiency. These targets are in the planning phase, and they will be achieved by the following actions: Unplug appliances whenever possible at the end of the day, which can make up approximately 30 percent of the reduction. Switch off Power down computers and other electronic equipment when it is not needed, and get an audit of your building(s). To get a thorough understanding of the building's energy usage, run fans to keep air flowing throughout the space; this helps the HVAC system run more efficiently. Adding or replacing insulation can help prevent energy loss; upgrading the HVAC, or heating, ventilation, and air conditioning system; and using occupancy or vacancy sensors for lighting control. using energy-saving light bulbs, as LED light bulbs and fluorescent lights both save energy compared to incandescent and halogen light bulbs, Use solar panels as a source of electricity.



SDG 7: Affordable and Clean Energy

By improving energy efficiency, this action directly supports the goal of doubling the global rate of improvement in energy efficiency.

SDG 13: Climate Action

Reducing electricity consumption contributes to the reduction of greenhouse gas emissions.

SDG 12: Responsible Consumption and Production

Promotes the sustainable management and efficient use of natural resources.

2. Raising awareness and employees training

Raising awareness and training employees is an essential action area, as employees can be the greatest asset in reducing carbon footprints. This area is in the planning phase, and it will be achieved by introducing proper training to employees about climate change and the company's target to reduce emissions to ensure their commitment and engagement to reduce carbon emissions and ensure employees understand the reasons behind it and what they can do to help.



SDG 4: Quality Education

This initiative provides employees with education on environmental sustainability, fostering a culture of awareness and responsibility.

SDG 13: Climate Action

Training employees on climate change and the emission reduction goals directly supports this target by enhancing the organization's capacity to address climate change.

SDG 17: Partnerships for the Goals

Enhances the global partnership for sustainable development, complemented by the use of training and knowledge sharing.

3. Limit Business Travel

The main target of this action area is to decrease carbon emissions due to business travel. This target is in the planning phase, and it will be achieved by the following actions: Instead of traveling to meet a client or partner, use video conferencing whenever possible. Fly on airlines that are committed to reducing and offsetting their carbon emissions and that measure the emissions of the business journey and offset them.



SDG 7: Affordable and Clean Energy

By reducing the need for physical travel through video conferencing, Heliopolis University helps improve energy efficiency and reduce the energy consumption associated with transportation.

SDG 9: Industry, Innovation, and Infrastructure

Promoting sustainable industrialization and fostering innovation through the adoption of digital technologies, such as video conferencing, to reduce carbon emissions.

SDG 12: Responsible Consumption and Production

Ensuring that people everywhere have the relevant information and awareness for sustainable development. Raising awareness about the environmental impact of travel and promoting alternatives supports this goal.

4. Reduce, reuse, and recycle

Reduce, reuse, and recycle are essential action areas. This area is in the planning phase, and it will be achieved by the following actions: Reduce office waste by limiting paper usage and disposable items; reuse items like purchasing refurbished electronic devices, including laptops and other IT equipment, instead of buying brand new ones; and start a recycling program to recycle anything that is not further needed, including paper, cardboard, plastic, metal, glass, and electronics.

SDG 12: Responsible Consumption and Production

Substantially reduce waste generation through prevention, reduction, recycling, and reuse.



By reducing office waste, reusing items, and implementing a recycling program, Heliopolis University directly supports this goal.

SDG 13: Climate Action

Integrate climate change measures into policies and planning. Reducing waste and promoting recycling helps mitigate the environmental impact and supports climate action efforts.

5. Offsetting emissions

The main target of this action area is to compensate for and offset yearly emissions. This target is in the planning phase, and it will be achieved by offsetting and compensating emissions by natural carbon sinks, planting trees in deserts, and soil carbon sequestration.



SDG 13: Climate Action

Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries. By enhancing natural carbon sinks and soil carbon sequestration, Heliopolis University contributes to climate change mitigation and adaptation.

SDG 15: Life on Land

Ensure the conservation, restoration, and sustainable use of terrestrial and inland freshwater ecosystems and their services. Planting trees in deserts and enhancing natural carbon sinks contribute to the restoration and conservation of ecosystems.