



The American  
University in Cairo

# CARBON2022 FOOTPRINT

# WHAT IS A **CARBON** FOOTPRINT?

The carbon footprint is a tool to assess the impact of an organization or activity on the environment by measuring the amount of greenhouse gases – the main contributor to global warming – emitted into the atmosphere each year.

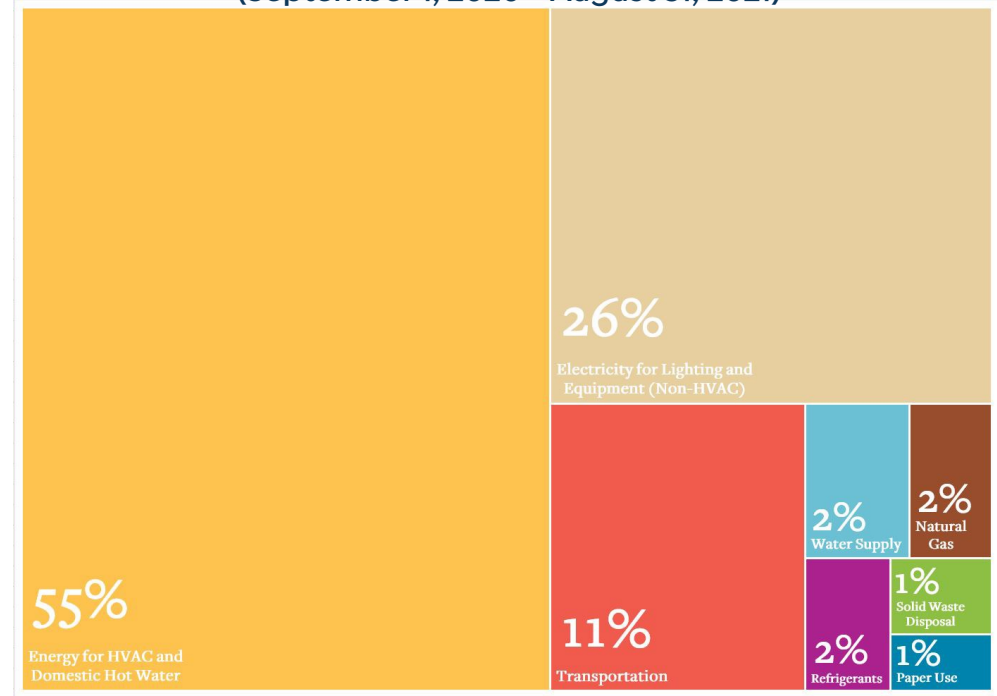
At AUC, the three main contributors to Greenhouse Gas emissions include: heating, ventilation, and air conditioning (HVAC) and domestic hot water, transportation, and electricity for lighting and other equipment (Non-HVAC). Other minor contributors are emissions from: refrigerants, paper use, water supply, solid waste disposal, natural gas for domestic and lab use, and fertilizers.

The University's carbon footprint estimates the quantities of greenhouse gases emitted into the atmosphere as a result of its operations, such as providing water and electricity needed for faculty, staff, and student utilization on campus. The carbon footprint is expressed in Metric Tons of Carbon Dioxide equivalent (MT CO<sub>2</sub>e).

# AUC'S AY 2021 CARBON FOOTPRINT 25,678.3 MT CO<sub>2</sub>e

For more detailed information regarding the University's carbon footprint, please see the Office of Sustainability's webpage for all previous reports.

## AUC's Carbon Footprint Academic Year (AY) 2021 (September 1, 2020 - August 31, 2021)





ACADEMIC YEAR  
2021

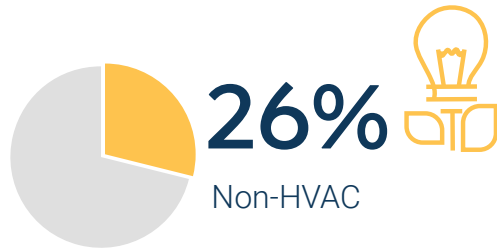
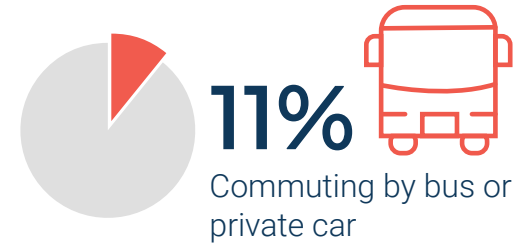
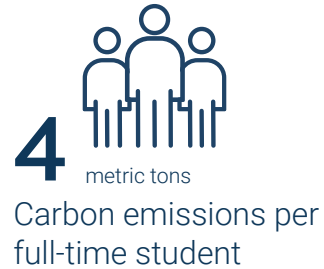
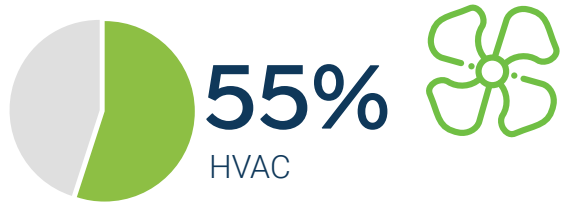
# DID YOU KNOW?

**25,678.3**  MT CO<sub>2</sub>e

**= 59,451**  barrels of oil burned

carbon sequestered by growing  
**= 424,596**  trees for 10 years

# BREAKING DOWN AUC'S CARBON FOOTPRINT



## Looking to the Future

AUC reduced its carbon footprint by about 8,550 MT CO<sub>2</sub>e this year. The novel coronavirus (COVID-19) has caused observable changes in AUC's emissions. In the coming years, the challenge will be to continue our efforts to curb AUC's emissions while also prioritizing our community's health and well-being. **What can we do?**



1

Explore the potential for air filter upgrades, especially in collective and large spaces.



2

Increase the density in buses without compromising the health of the community.

3



Walk, cycle, use public transportation, or carpool to campus.

4



Ensure near-zero energy consumption for unused classrooms.

5



Keep doors closed when heating or air conditioning is in use.

6



Conserve water with shorter showers.

7



Turn off lights and unplug electronics when not in use.

8



Use email or print double-sided only.

9



Adjust temperature settings to reduce overcooling and overheating.

10



Implement on-campus composting.

## Message from the Sustainability Director

Dear AUC Community,

Each year, we can see just how much impact we as students, educators, and AUC community members have on our environment. The coronavirus (COVID-19) pandemic has impacted every facet of our daily lives here at AUC, leading to observable decreases in the University's emissions. For the past year, our community has shown resilience and strength as we have altered all of our normal campus operations to accommodate the changes brought by COVID-19.

Today, with the publication of the University's carbon footprint data for the tenth consecutive year, we are proud to continue our tradition of developing, implementing, testing, and assessing workable solutions to the new challenges brought by the pandemic and those that affect sustainable development in Egypt's special environment.

In all we do here at AUC, we always strive to aim higher and do better. As we take pride in our achievements, let's approach the future with a renewed commitment to reducing our environmental impact and protecting our planet for the benefit of all its inhabitants

**Yasmin Mansour**  
Director, Sustainability  
The American University in Cairo



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To learn more about the Office of Sustainability, visit

[aucegypt.edu/sustainable-auc/sustainable-campus](https://aucegypt.edu/sustainable-auc/sustainable-campus)