

Carbon2023

Footprint Report



RACE TO ZERO

WHAT IS A **CARBON** FOOTPRINT?

A 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 — it emits into the atmosphere each year.

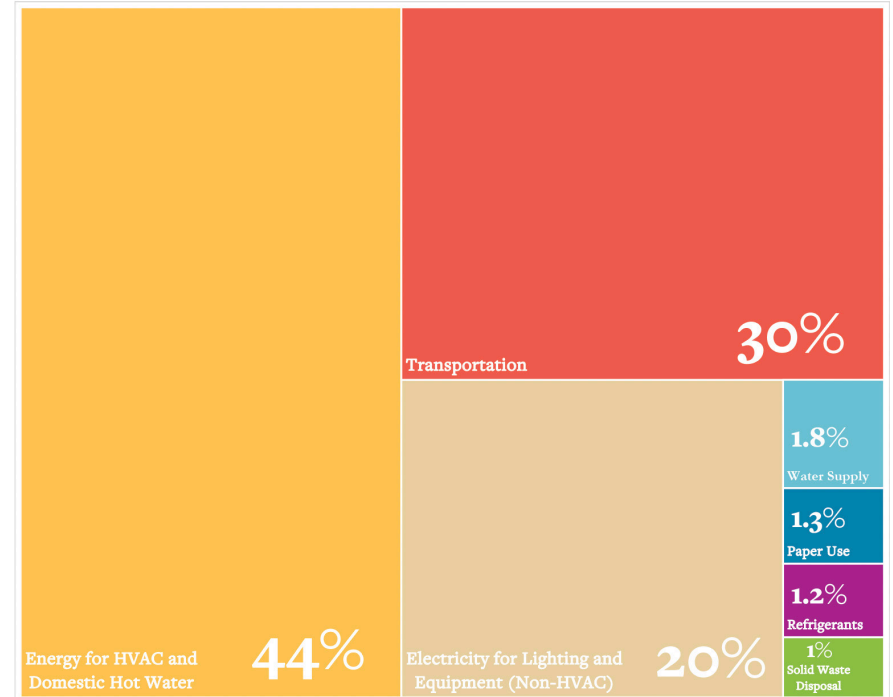
At AUC, the main contributors to greenhouse gas emissions include heating, ventilation and air conditioning (HVAC) and domestic hot water, transportation and electricity for lighting and other equipment (Non-HVAC). Other minor contributors are emissions from refrigerants, paper use, water supply, solid 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 (MTCO₂e).

AUC's Carbon Footprint Academic Year (AY) 2022
(September 1, 2021 - August 31, 2022)

AUC'S AY 2022 CARBON FOOTPRINT 36,928.2 MT CO₂e

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





ACADEMIC YEAR
2022

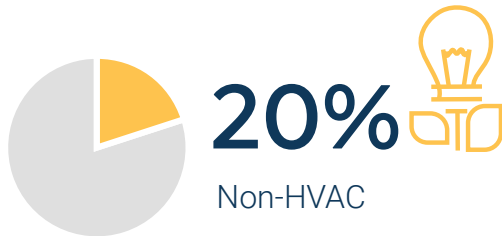
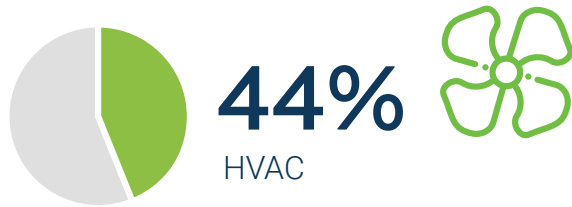
DID YOU KNOW?

36,928.2  MT CO₂e

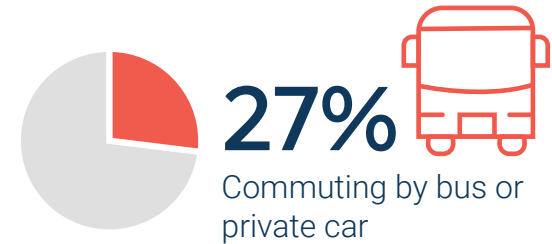

= 85,497  barrels of oil burned

carbon sequestered by growing
= 610,611  trees for 10 years

BREAKING DOWN AUC'S CARBON FOOTPRINT



5.6
metric tons
Carbon emissions per
full-time student



9,225
metric tons
Emissions from commuting to
campus by private car



Looking to the Future

AUC increased its carbon footprint by about 11,249.9 MT CO₂e this year. The return of the campus to normal operations following the COVID-19 pandemic greatly increased carbon emissions. Now more than ever, the challenge is 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 bus density 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 President

Dear AUC community,

Higher education institutions such as AUC have a responsibility to catalyze environmental action in our communities. Over the years, we have built expertise and demonstrated an impactful commitment to this cause, making us pioneers in climate action as an institution of higher education.

The Carbon Footprint Report represents our commitment to measuring and improving our global climate change impact. The data we have collected and the expertise we have developed enable us to lessen our environmental load while simultaneously creating a model for others to measure and address their own impacts.

AUC's Carbon Footprint Report is part of a larger, sustained institutional commitment that will only grow in the years ahead. In 2022, we launched a University-wide Climate Change Initiative to sharpen our focus and reaffirm our commitment to the fight against climate change. Academic and research institutions must play an active role in understanding and addressing worldwide climate challenges. AUC will continue to work collectively to ensure that we leverage our full intellectual and institutional capacity to do our part in contributing to the global fight against climate change.

Ahmad Dallal

President

The American University in Cairo



aucegypt.edu/about/sustainable-auc/sustainable-campus



Please recycle.