



SUSTAINABLE
DEVELOPMENT GOALS

THE AMERICAN
UNIVERSITY IN CAIRO



CARBON²⁰¹⁹ FOOTPRINT REPORT

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.

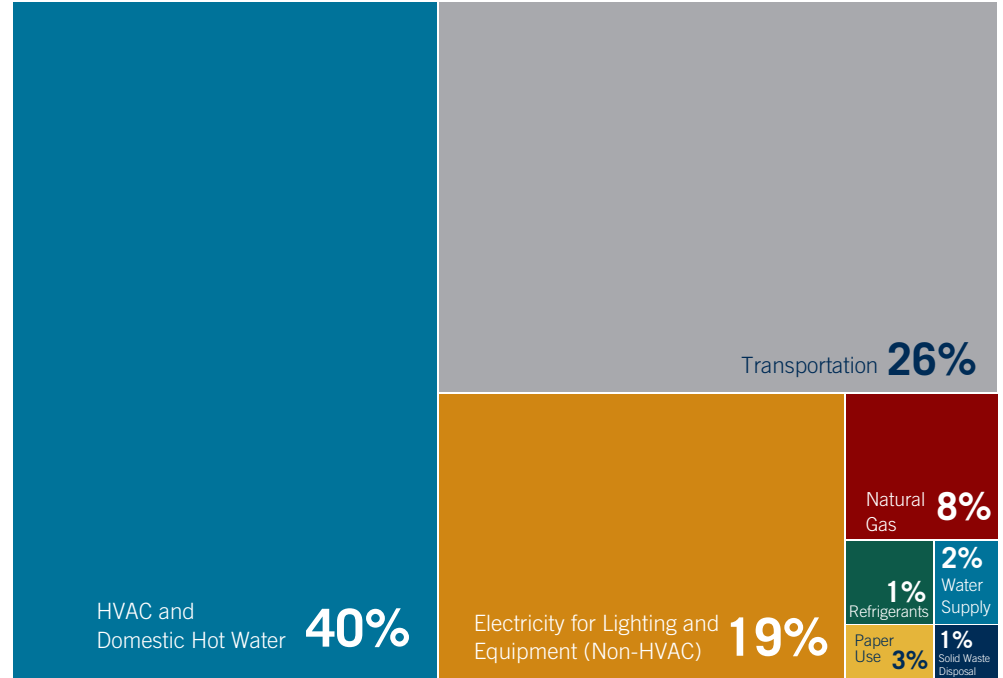
At AUC, the three main contributors to greenhouse gas emissions include: heating, ventilation and air conditioning (HVAC) and domestic hot water; transportation; and electricity for lighting and other equipment (Non-HVAC). Other minor contributors are emissions from refrigerants, paper use, water supply,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

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 CO₂e).

AUC'S AY2018 CARBON FOOTPRINT


42,989 metric tons of carbon
dioxide equivalent
(MT CO₂e)

For more detailed information regarding the University's carbon footprint for the 2018 academic year, please see the Office of Sustainability's Carbon Footprint Report 2019.



2018 DID YOU KNOW

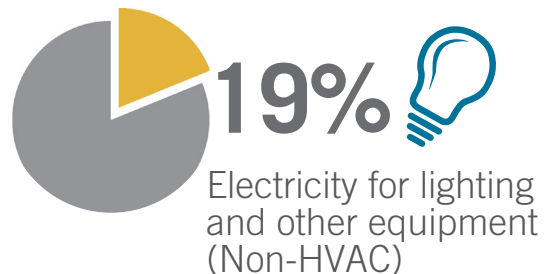
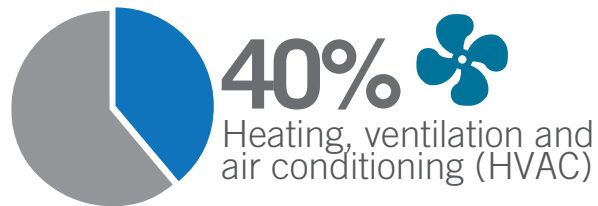
ACADEMIC YEAR

42,989  metric tons of carbon dioxide equivalents

= 99,529  barrels of oil burned

carbon sequestered by growing
= 710,832  trees for 10 years

BREAKING DOWN AUC'S CARBON FOOTPRINT



6.7 metric tons

Carbon emissions per total enrollment (full-time and part-time students)



22.7%

Commuting by bus or car



8,803

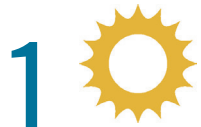
metric tons



Emissions from commuters driving cars to campus

LOOKING TO THE FUTURE

AUC managed to reduce its carbon footprint by about **4,500 MT CO₂e** this year. That's exciting progress, but we still need to do more to limit the effects of climate change. **What can we do?**



1

Expand solar power usage

2



Develop the bus system to include new times and routes

5



Adjust temperature settings to eliminate overcooling and overheating

8



Conserve water

9



Implement on-campus composting

3

Carpool to campus



4



Keep doors closed at all times

6



Turn off lights and electronics when not in use

7



Think before you print and print only two-sided

10



Develop an Eco Rep Program to monitor sustainability in student spaces

11

Expand usage of the recycling sorting stations



Message from the President

In recent decades, climate change has created imminent threats to global health, security, and order. These threats from various climate change impacts, such as sea level rise, increased intensity and frequency of severe weather events, and the loss of entire ecosystems, will only amplify if the atmosphere continues to warm. While many of these impacts have yet to manifest fully, some already disproportionately affect the world's most susceptible regions. Given its harsh climate, growing population, and limited natural resources, the Middle East and North Africa region is among the most vulnerable.

We at the American University in Cairo recognize that climate change is a global challenge and solving it will require decisive global action. We believe that institutions such as AUC have a particular responsibility to catalyze environmental action in their communities. This series of Carbon Footprint Reports represents the first attempt in the region to measure a university's impact on global climate change. The data we have collected and the expertise we have developed enables us to lessen our environmental impact while simultaneously creating a model for others to measure and address their own impact.

Francis J. Ricciardone

President

The American University in Cairo

The larger pyramid comprises of the Sustainable Development Goals put forth by the United Nations. The goals aim to move the world toward a more sustainable future through concise and holistic steps of development in various aspects such as poverty, education and environmental stewardship. The pyramid shape showcases AUC's commitment to building global initiatives into our sustainability practice. It also represents the volume of greenhouse gases emitted by AUC in Academic Year 2018 and is roughly four times the volume of the three pyramids in the Giza Complex combined.



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To learn more about the Office of Sustainability, visit

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