

# CARBON REDUCTION CHALLENGE IN-HOUSE COMPOSTER

## Highlights

Implement an in house composter on campus, which will further lead to expansion of composting across campus and soil amendments

\$50,000 &  
20,644,000 lbs  
of CO<sub>2</sub>  
saved per year

Stakeholder: Sarah Neville  
Campus Sustainability Project  
Manager  
[sarah.neville@sustain.gatech.edu](mailto:sarah.neville@sustain.gatech.edu)

## Our Team

Sarang Pujari

[spujari31@gatech.edu](mailto:spujari31@gatech.edu)

Mackenzie Ponsell

[mponsell3@gatech.edu](mailto:mponsell3@gatech.edu)

Sravanthi Kumar

[skumar27@gatech.edu](mailto:skumar27@gatech.edu)

Emily Crawford

[ecrawford33@gatech.edu](mailto:ecrawford33@gatech.edu)

Grace Fletcher

[gletcher8@gatech.edu](mailto:gletcher8@gatech.edu)

## Our Proposition

In order to reduce Georgia Tech's contribution to carbon emissions, the school will transition to an in-house composting system that can potentially save over 20.6 million pounds of carbon per year (along with a plethora of additional benefits). Instead of outsourcing compost, Georgia Tech will process all compost on campus, and this compost can be used rather than purchasing other natural fertilizers, saving Georgia Tech up to **\$35,000** in the first year (and increasing to **\$130,000** by the second year). Currently, composting is found in select locations on campus, however this project aims to increase the availability of compost disposal sites in residence halls, apartments, and Greek life housing. Current diversion of compost is only 633 tons per year, but ideally as the in-house composter is utilized diversion would jump to over **7,000 tons** per year (Appendix 1c). This opens opportunities for students to be involved on campus and reduce their own carbon footprint.