

2023 Carbon Footprint

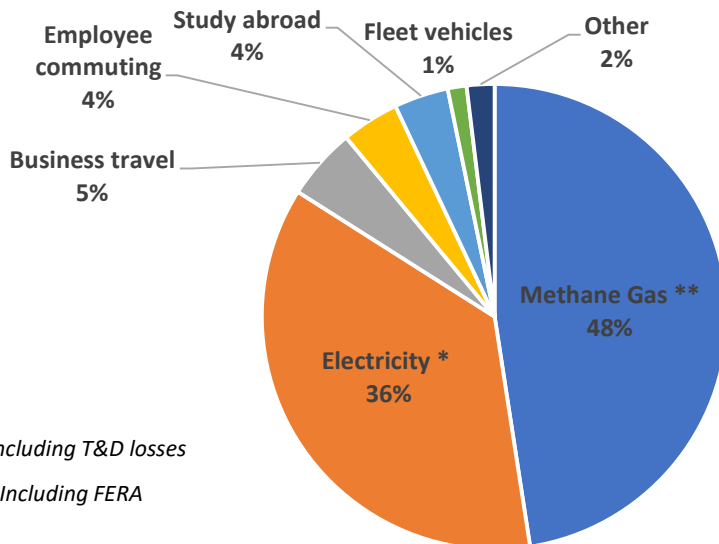
The College of Wooster is proud to publish our first ever comprehensive carbon footprint report. This report includes:

- Scope 1: All direct emissions from college-owned assets
- Scope 2: All indirect emissions from electricity generation
- Scope 3: Optional upstream/downstream emissions:

We have included most of the relevant categories, except for purchased goods and services, capital goods, and endowment investments, each of which we hope to add in future years.

We follow a fiscal year reporting schedule, so this report represents all greenhouse gas emissions between July 1, 2022 – June 30, 2023. Emissions are calculated and reported using the [SIMAP system](#) (Sustainability Indicator Management & Analysis Platform). Footprint data is reported as metric tons of carbon dioxide equivalent (MTCO_{2e}), which is the standard for carbon accounting.

The largest source of emissions (**48%**) comes from methane (“natural”) gas usage, which is primarily associated with building and hot water heating. Electricity usage accounts for the next largest portion (**36%**). This means that fully **85% of our emissions come from the operation of campus buildings** (after adding the downstream emissions from wastewater management). Most of the rest (**14%**) comes from various forms of transportation, with several smaller categories making up the remainder.



* Including T&D losses

** Including FERA

EMISSIONS SOURCES

SCOPE 1	MTCO _{2e}
Methane gas heat	5,870
Fleet transportation	226
Refrigerants	63
Fertilizers	7
TOTAL SCOPE 1	6,167

SCOPE 2: Electricity	MTCO _{2e}
TOTAL SCOPE 2	5,987

SCOPE 3	MTCO _{2e}
Employee commuting	696
Student commuting	36
Business air travel	776
Other business travel	90
Study abroad travel	656
Wastewater processing	171
End-of-life sold products	55
FERA	2,376
T&D losses	335
TOTAL SCOPE 3	5,190

TOTAL EMISSIONS 17,343

End-of-life sold products = Downstream emissions from the eventual disposal of sold goods (campus store sales)

FERA (Fuel- and energy-related activities) = Upstream emissions from the extraction, production, and distribution of Scope 1 fuels

T&D losses = Upstream emissions from electricity transportation and distribution