THE COLLEGE OF WOOSTER

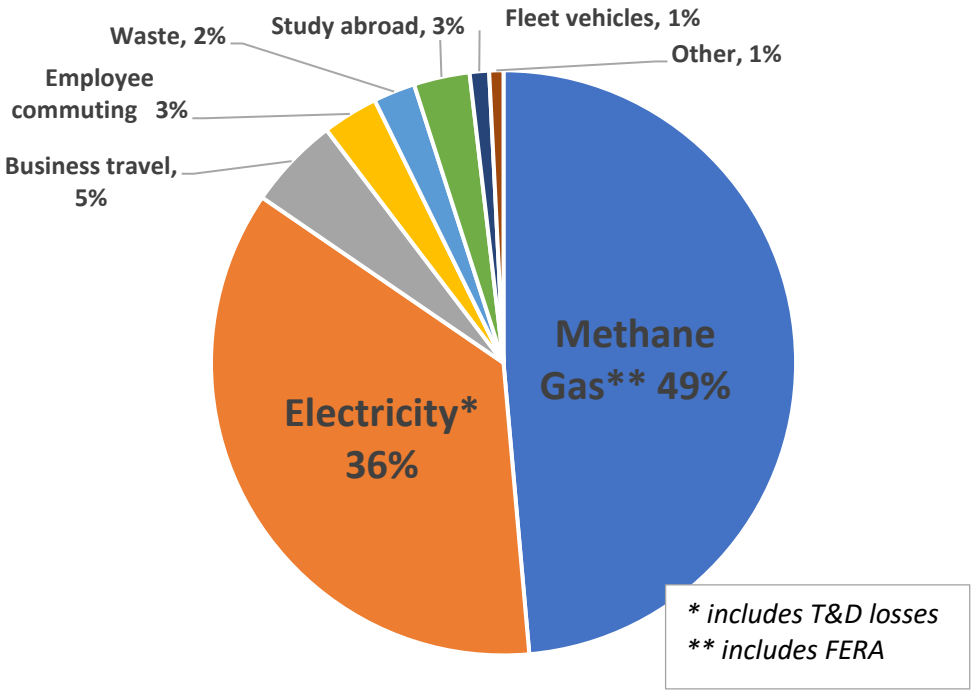
Baseline Carbon Footprint (2023)

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 (MTCO2e), which is the standard for carbon accounting.

The largest source of emissions (49%) 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 (12%) comes from various forms of transportation, with several smaller categories making up the remainder.



EMISSIONS SOURCES

SCOPE 1	$MTCO_2e$
Methane gas heat	7,468
Fleet transportation	231
Refrigerants	73
Fertilizers	7
TOTAL SCOPE 1	**7,779**

SCOPE 2: Electricity	
TOTAL SCOPE 2	**7,364**

SCOPE 3	
Employee commuting	665
Student commuting	34
Business air travel	1,002
Other business travel	97
Study abroad travel	667
Solid waste	328
Wastewater processing	170
End-of-life sold products	55
FERA	3,016
T&D losses	396
TOTAL SCOPE 3	**6,431**

TOTAL EMISSIONS	**21,574**

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