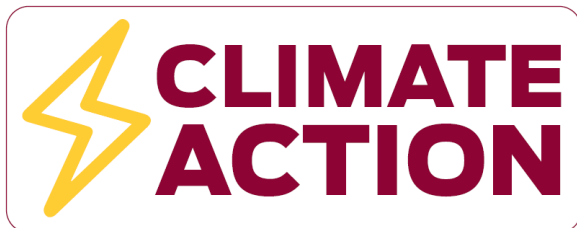


Loyola's Carbon Footprint

FY 2022

(July 1, 2021 - June 30, 2022)



What is a Carbon Footprint?

A **carbon footprint** is a measurement of an organization's impact on the environment.

The footprint measures the amount of greenhouse gases emitted annually by the **activities of the organization**.

Greenhouse gases are the cause of global climate change, one of the most important issues of our times.

Loyola University Chicago is a signatory of the Climate Leadership's **Carbon Commitment (formerly the ACUPCC)** committing us to address global climate change by tracking our carbon footprint and taking actions towards climate neutrality.



Loyola's Carbon Footprint

Loyola's primary contributors to greenhouse gas emissions are:

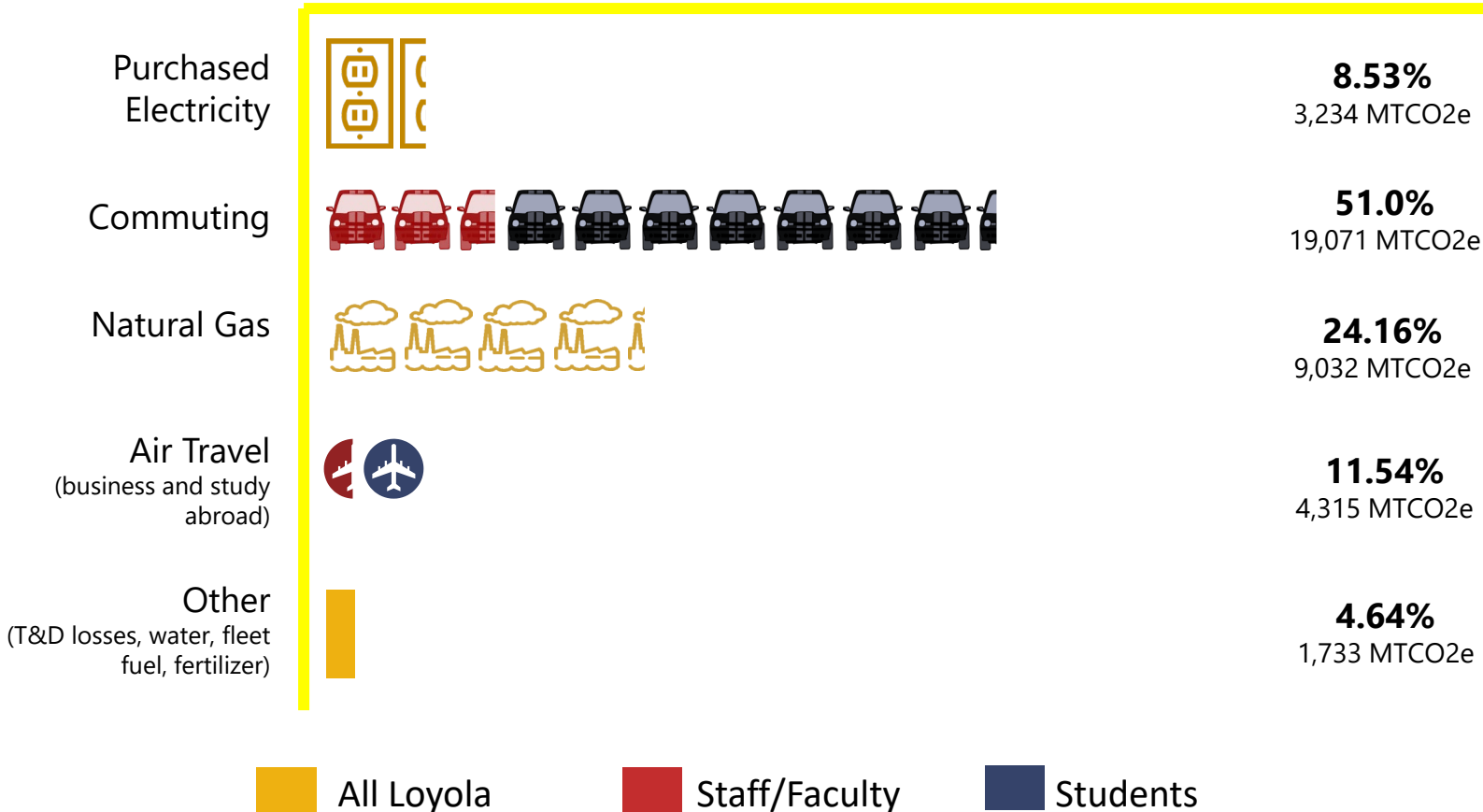
- Purchased electricity,
- Natural gas burned on site,
- Research, study abroad, and business air travel, and
- Student and employee commuting.



Loyola's FY22 Net Carbon Footprint

Total emissions = 37,385 MTCO₂e

0 5 10 15 20 Thousand Metric Tons

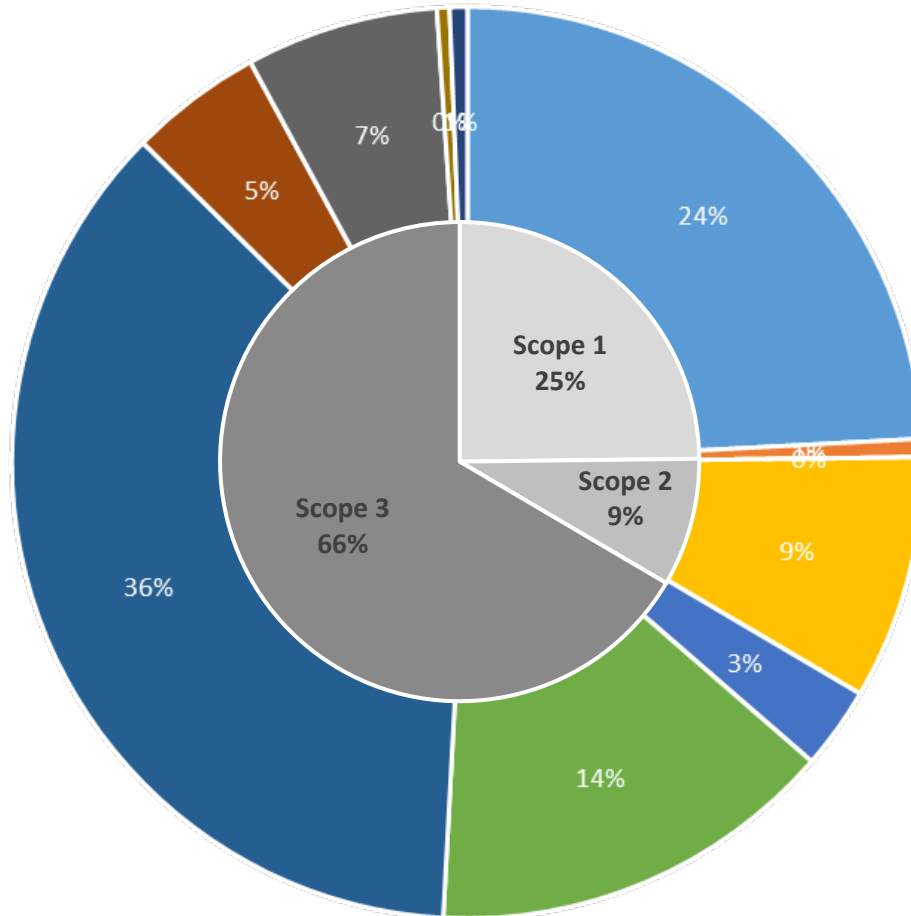


*NOTE: This year's footprint includes Lakeside Campuses: Lake Shore and Water Tower
Icons are an estimate. See full emissions inventory for precise amounts and percentages.*



Loyola's FY22 Net Carbon Footprint

**Total emissions:
37,385
MTCO₂e**



- On-Campus Stationary (Natural Gas)
- Direct Transportation (Diesel + Gasoline)
- Fertilizer
- Purchased Electricity
- T&D Losses
- Faculty & Staff Commuting
- Student Commuting
- Business (Directly Financed) Travel
- Study Abroad Air Travel
- Solid Waste
- Wastewater

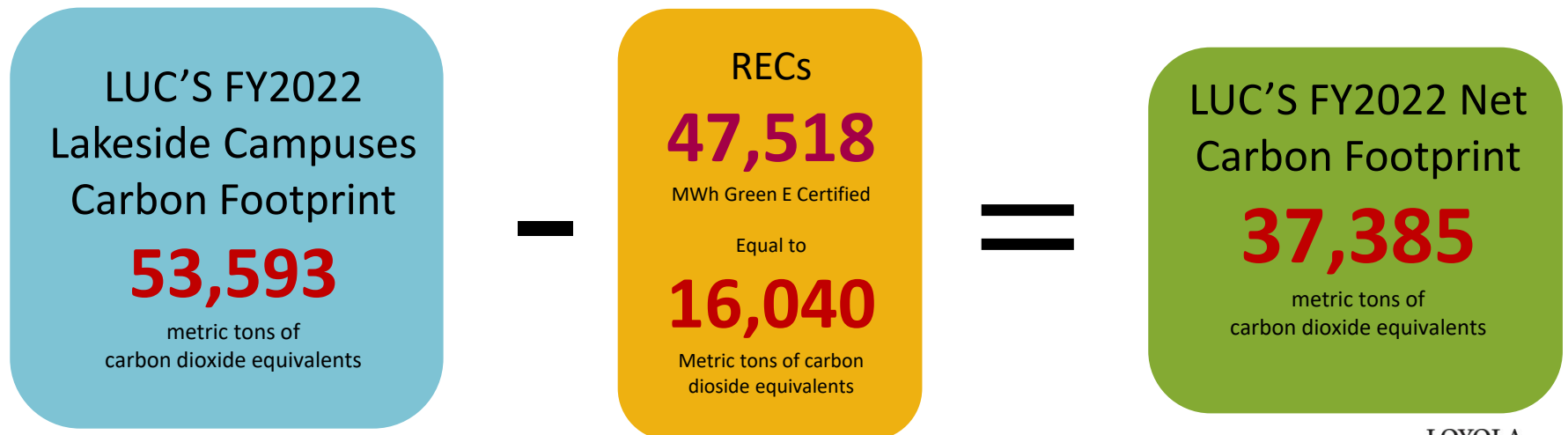
NOTE: Data in this chart is from the LUC custom GHG emissions calculator and may include minimal variations from SIMAP inventory calculations due to slight emissions factor differences



Offsets & Net Carbon Footprint

Carbon offsets that directly decrease Loyola's carbon footprint include

- Clean Energy in the form of Renewable Energy Credits (RECs) that Loyola purchases



Loyola University Chicago's
FY2022 Net Carbon Footprint of

37,385 metric tons of net carbon
dioxide equivalents

is equal to...

Did you know?



86,469 barrels of oil consumed OR



4,206,706 gallons of gasoline consumed OR



206 railcars of coal burned OR



4,712 homes' annual energy use

This could be replaced or "offset" by:



the carbon sequestered by **618,164 tree seedlings** grown for 10 years OR

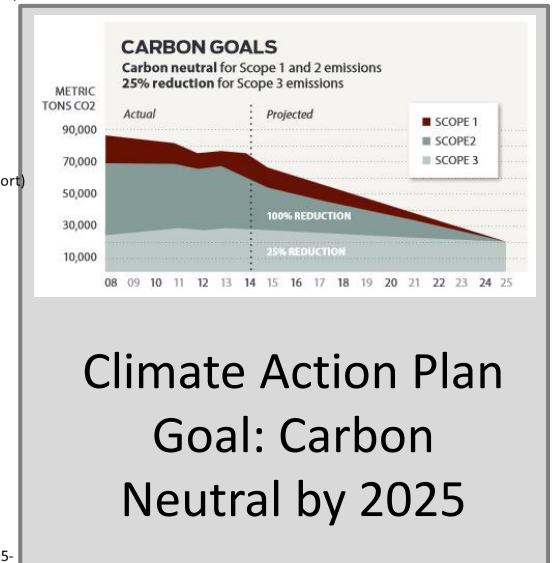
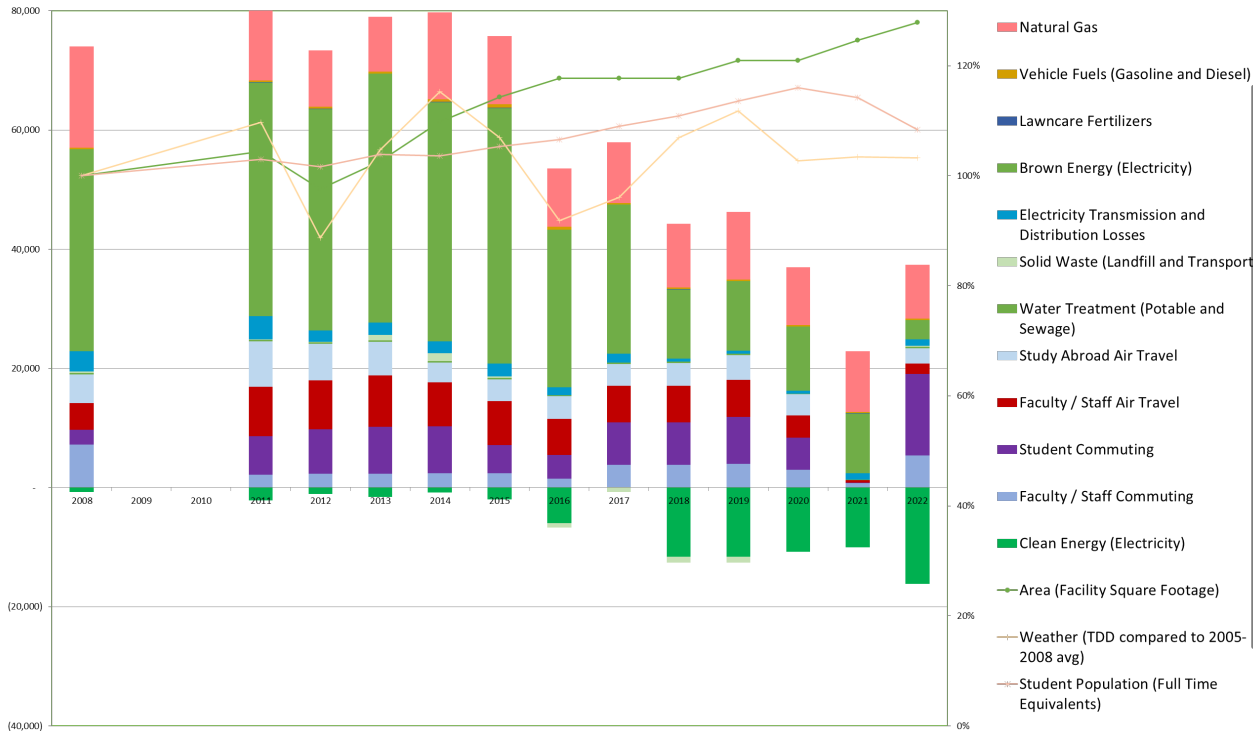


10.4 wind turbines running for one year

Source: US EPA, Greenhouse Gas Equivalencies Calculator



Net Emissions Reductions



Compared to a 2008 – 2012 annual average, Loyola’s Carbon Footprint has reduced* by:

29% in total emissions,
44% per student,
43% by area

Including offsets;
49% in net emissions,
56% per student,
60% by area

This equates to only 2.5 metric tons of CO2e for every Loyola student!

*NOTE: In order to keep consistency, this only reflects the emissions of the Lakeside Campuses (Lake Shore and Water Tower).
Please note FY20 and FY21 were impacted by the Covid-19 pandemic.

What you can do...

Five things you can do to reduce your personal carbon footprint:

1. **Turn off** lights and **unplug** electronics when not in use
2. Eat a low-carbon diet, **reduce or eliminate** red meat
3. Use **natural daylight** and **fresh air** when you can
4. Go **local**, especially where you work and what you eat
5. Choose **lower carbon modes** of transportation

Biking and Walking are better than Train,

Train is better than Bus,

Bus is better than Car,

Car is better than Plane

And talk about climate change with your friends, family, and colleagues.

SUSTAINABILITY
IS
SOCIAL JUSTICE



Sustainability at Loyola is driven by our Jesuit tradition of social justice, our service to humanity, and our role as an institution of higher education.

It is embodied in an educational experience for our students and activities that seek to meet the needs of the present generation without compromising the ability of future generations to meet their own needs.

We are committed to an inclusive process considering social, economic and environmental impacts, and exemplified in a transformative education for our students.

To learn more visit luc.edu/Sustainability

This report is produced by Loyola's Office of Sustainability

#SUSTAINLOYOLA



LOYOLA
UNIVERSITY CHICAGO

Preparing people to lead extraordinary lives