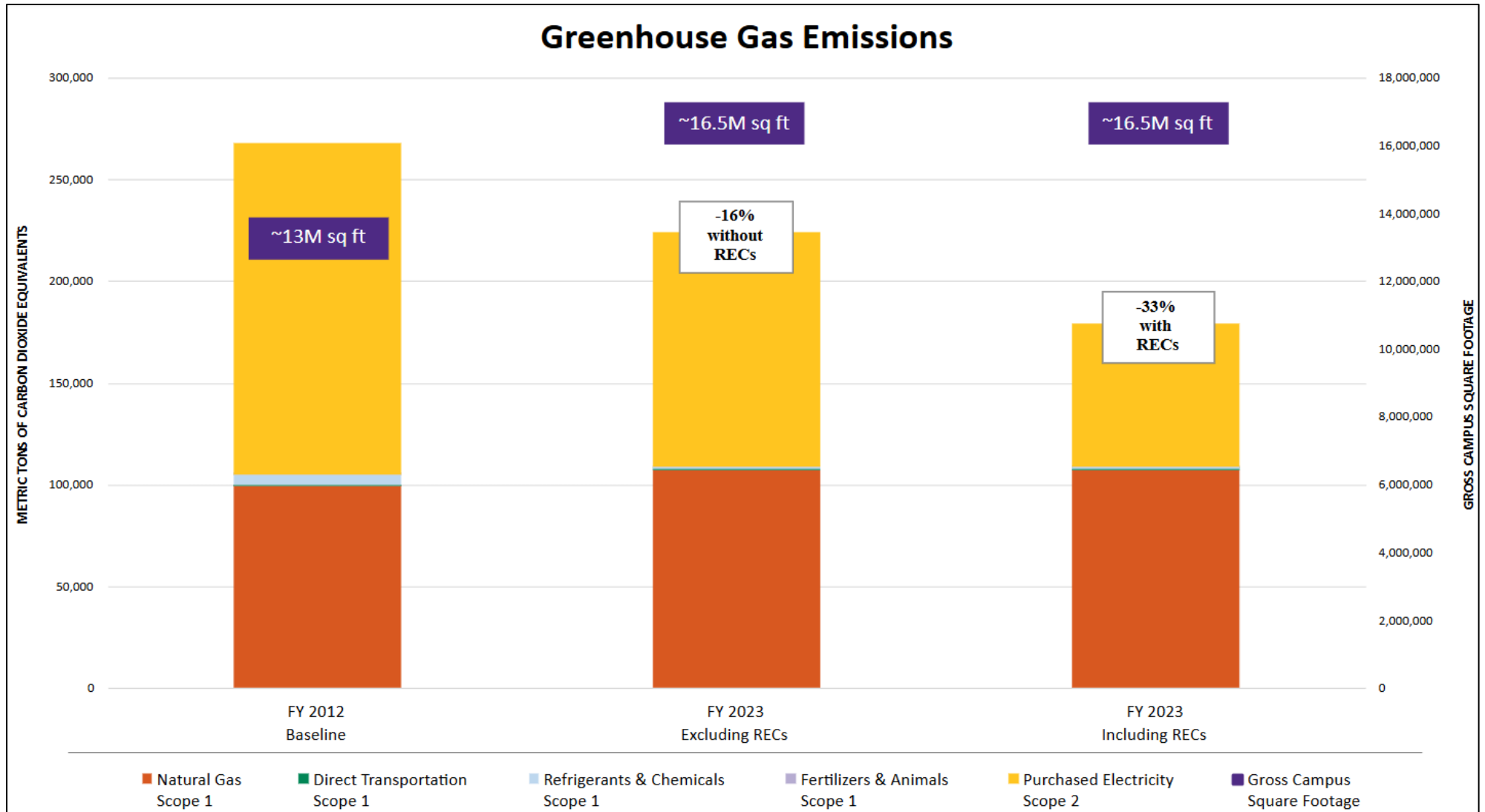


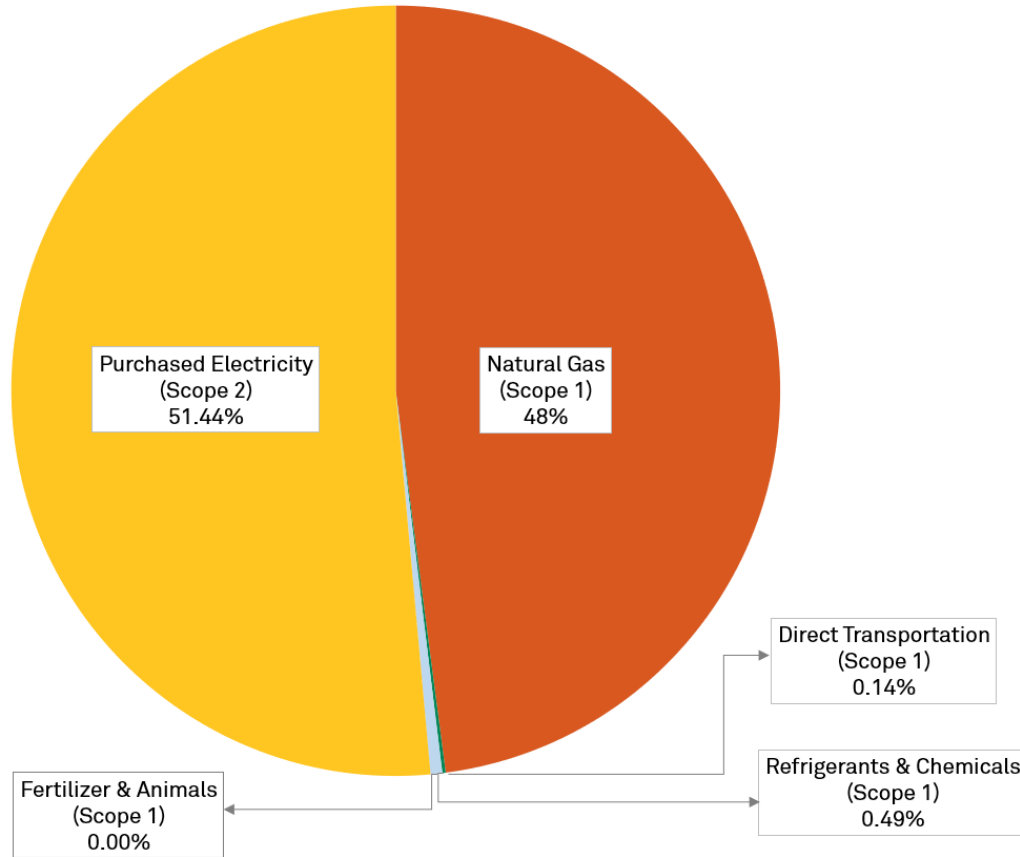
Greenhouse Gas Emissions 2022-2023



Northwestern University is committed to a 30% reduction in scope 1 and 2 greenhouse gas emissions by 2030 and achieving net zero emissions by 2050. Compared to our baseline year of 2012, the University’s scope 1 and 2 greenhouse gas emissions have decreased by 33% with the purchase of 100,000 MWh of Green-e certified Renewable Energy Certificates (RECs), and 16% when excluding RECs. Over this same period, square footage has increased by 23%.

Greenhouse Gas Emissions 2022-2023

FY 2023 Emissions Sources



Scope 1 (on-site natural gas combustion) and scope 2 (purchased electricity) make up the vast majority of greenhouse gas emissions for Northwestern’s Evanston and Chicago campuses. This chart does not account for RECs.

Source	FY '23 Emissions Compared to Baseline (FY '12)	Contributing Factors
Natural Gas	+8%	23% increase in total building area offset by energy efficiency improvements
Direct Transportation	-55%	Reduced number of vehicles in the campus fleet
Refrigerants & Chemicals	-79%	Shift to cleaner refrigerants and disposal methods
Fertilizer & Animals	+6%	Increase in fertilizer purchases for campus landscaping
Purchased Electricity (Excluding RECs)	-29%	Illinois electric grid decarbonization paired with building energy efficiency improvements
Purchased Electricity (Including RECs)	-56%	Illinois electric grid decarbonization paired with building energy efficiency improvements and the purchase of 100,000 MWh of Green-e certified Renewable Energy Certificates (RECs)