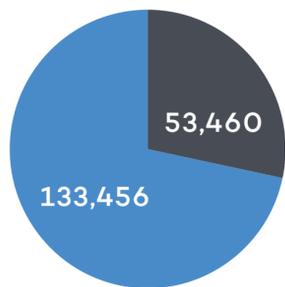


# Measuring Northwestern's CARBON FOOTPRINT

## 2019 GREENHOUSE GAS EMISSIONS

metric tons of carbon dioxide equivalent (MTCDE)



186,916

**TOTAL EMISSIONS\*: 186,916**

EVANSTON CAMPUS: 133,456

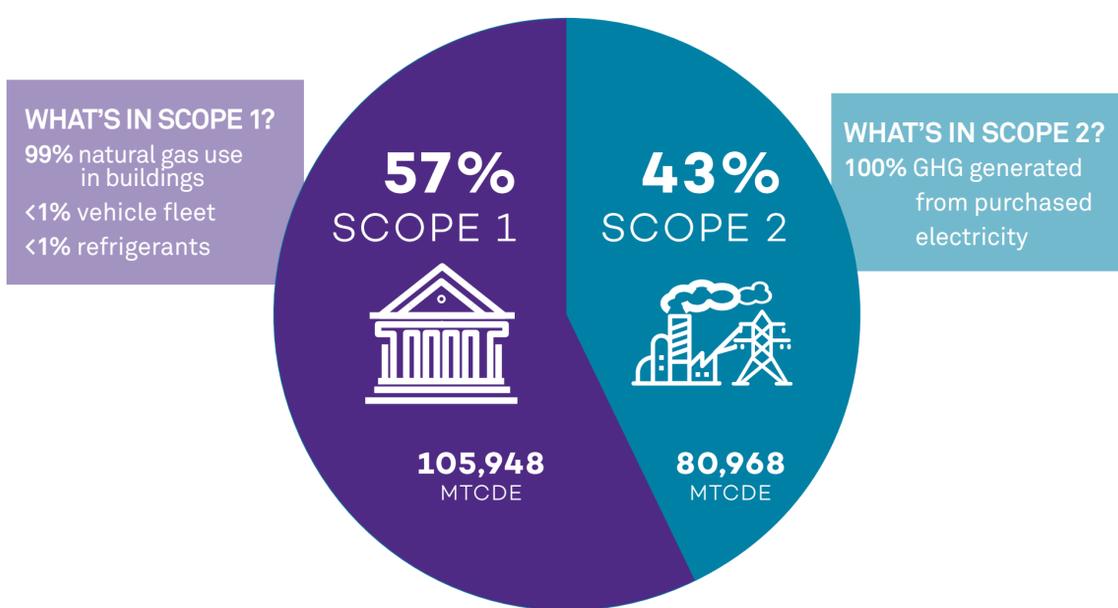
CHICAGO CAMPUS: 53,460

This market-based reporting takes into account the purchase of Renewable Energy Certificates (RECs) to offset emissions associated with the generation of electricity.

\*Scope 1 and 2 emissions only

## EMISSIONS SOURCES BY SCOPE

percentage of total emissions



### WHAT'S IN SCOPE 1?

99% natural gas use in buildings  
<1% vehicle fleet  
<1% refrigerants

### WHAT'S IN SCOPE 2?

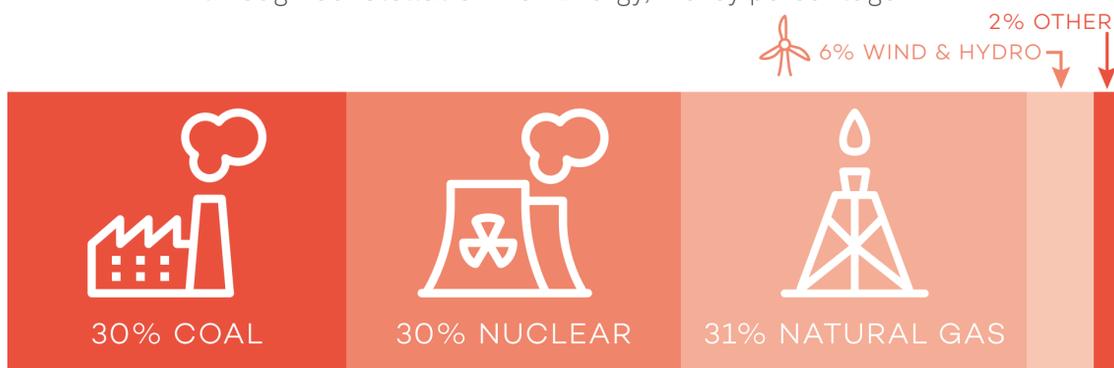
100% GHG generated from purchased electricity

### WHY DON'T WE INCLUDE SCOPE 3?

Scope 3 emissions include commuting, directly financed air travel, solid waste generation, wastewater, and paper purchasing (among others) While sustainNU tracks these emissions internally, calculations rely heavily on estimates and/or unverified data from organizations outside of Northwestern resulting in questions around data quality.

## PURCHASED ELECTRICITY FUEL SOURCES

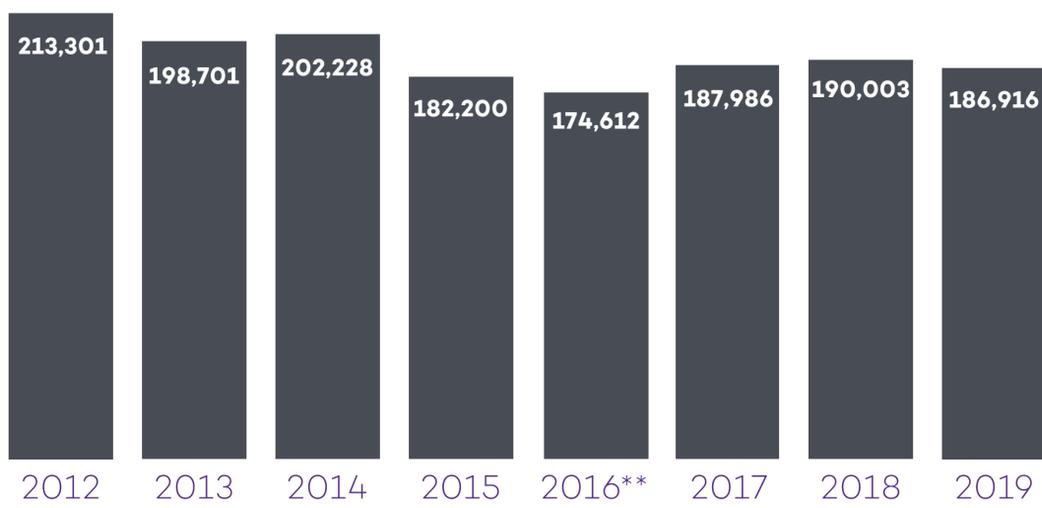
fuels used to generate electricity purchased through Constellation NewEnergy, Inc. by percentage



Source: Constellation NewEnergy Inc.'s 2019 Illinois Environmental Disclosure Information

## TOTAL ANNUAL EMISSIONS SINCE BASELINE

metric tons of carbon dioxide equivalent (MTCDE)\*

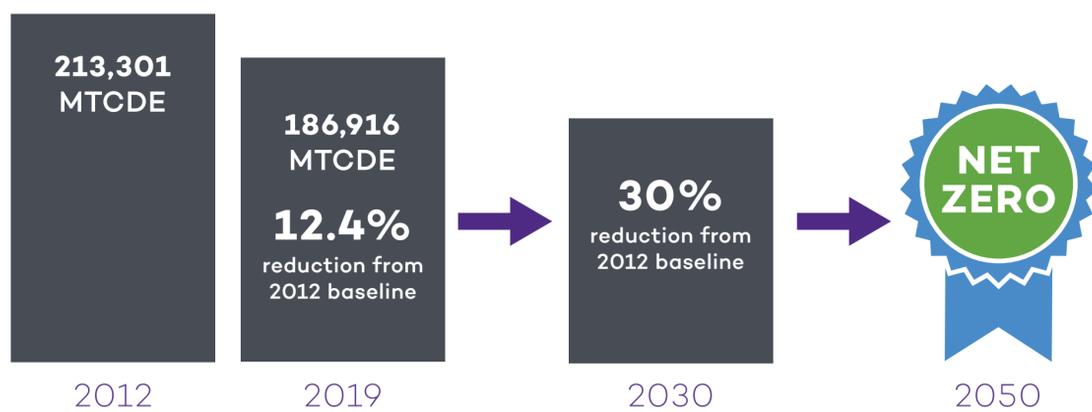


\* Scope 1 and 2 emissions only

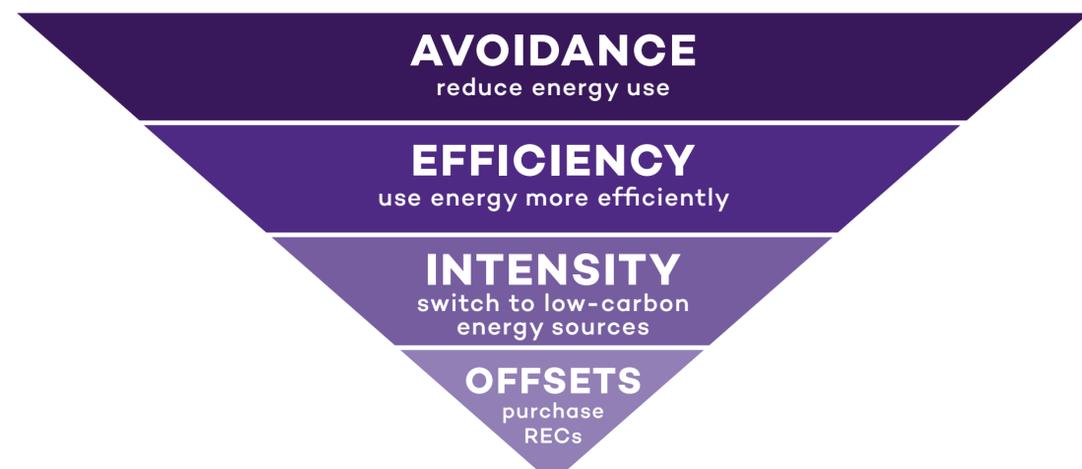
\*\* The reductions in 2015 and 2016 can be attributed to higher than normal Renewable Energy Certificate purchases in those years. Northwestern typically purchases 100,000 MWh of RECs annually.

## ACHIEVING NET ZERO EMISSIONS

Northwestern is committed to reducing Scope 1 and 2 emissions 30% by 2030 (from a 2012 baseline) and achieving net zero emissions by 2050.



## STRATEGIES FOR REDUCING EMISSIONS



together,  
we will sustainNU