

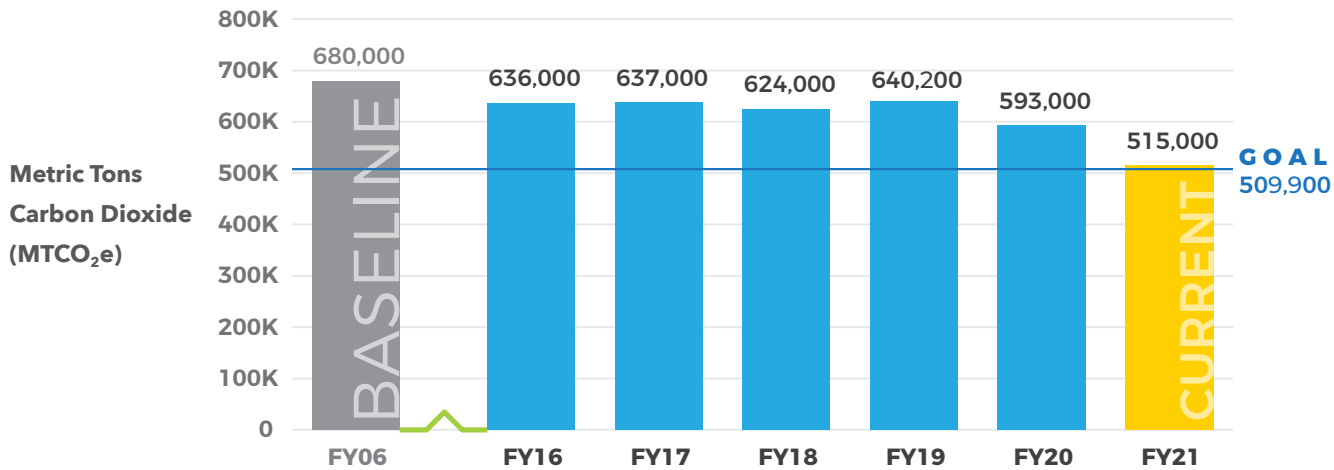


FY21 SUSTAINABILITY GOAL FACT SHEET

Climate Action: Greenhouse Gas Reduction

GOAL: REDUCE GREENHOUSE GAS EMISSIONS 25% BY 2025

STATUS: 24% REDUCTION



This chart represents emissions for the Ann Arbor campus, including auxiliary units.

COVID-19 IMPACT

Energy consumption in general fund buildings decreased 11.3% in FY21 compared to FY19. Occupancy levels decreased significantly across all building types. The operation of HVAC systems in laboratory buildings was unchanged during the pandemic regardless of building occupancy.

KEY INITIATIVES

- **Energy conservation:** Development and execution of energy conservation measures in general fund buildings slowed dramatically with the pandemic, but increased in FY22 as new projects were funded and launched.
- **Wind power purchase agreement:** Began sourcing energy from new DTE wind parks in spring 2021, reducing U-M's emissions by more than 100,000 metric tons of CO₂ annually.
- **Central Power Plant expansion:** A new highly-efficient turbine is expected to begin operation in early 2022, reducing emissions by approximately 400,000 metric tons of CO₂ within the first 10 years of operation

NEXT STEPS

U-M will soon achieve its 2025 greenhouse gas reduction goal, established in 2011. Concurrently, efforts toward U-M's recently unveiled carbon neutrality commitments are underway.

Highlights include:

- Launching a revolving energy fund for energy conservation projects starting with \$25 million over five years. An initial set of energy conservation projects, across all U-M campuses and auxiliary units, was funded in FY22.
- Launching a selection process to secure all purchased electricity (Scope 2 emissions) from renewable sources by 2025.
- Planning geothermal heating and cooling systems for the Leinweber Computer Science and Information Building.