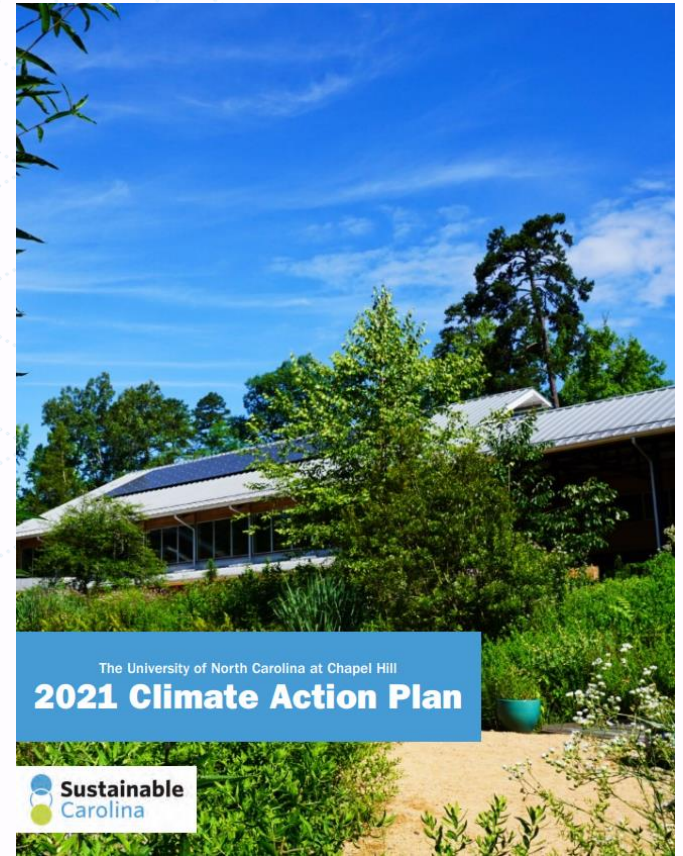




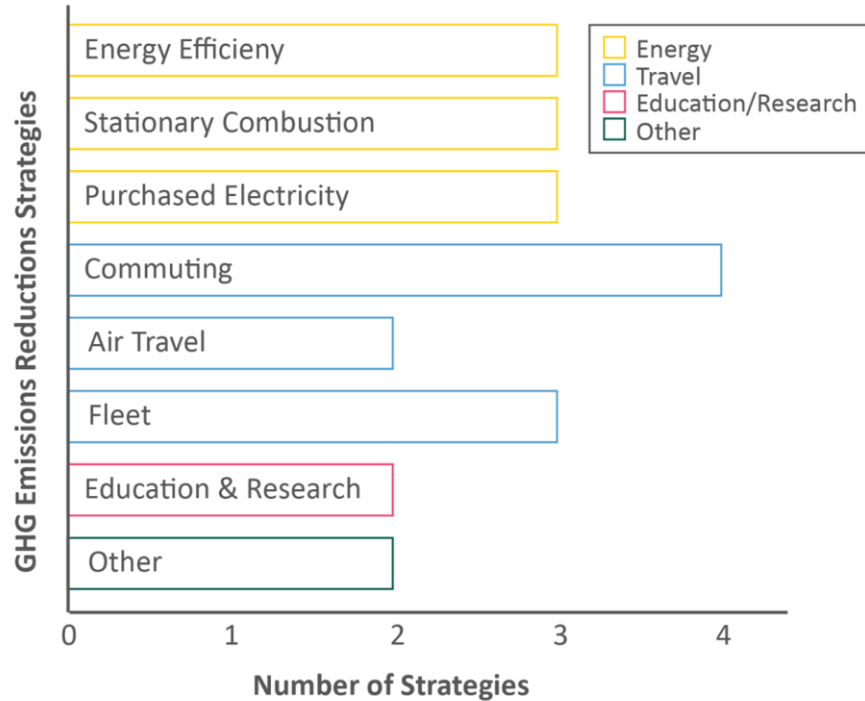
Mike Piehler

Chief Sustainability Officer
Director, Institute for the Environment
Professor, Department of Earth,
Marine and Environmental Sciences

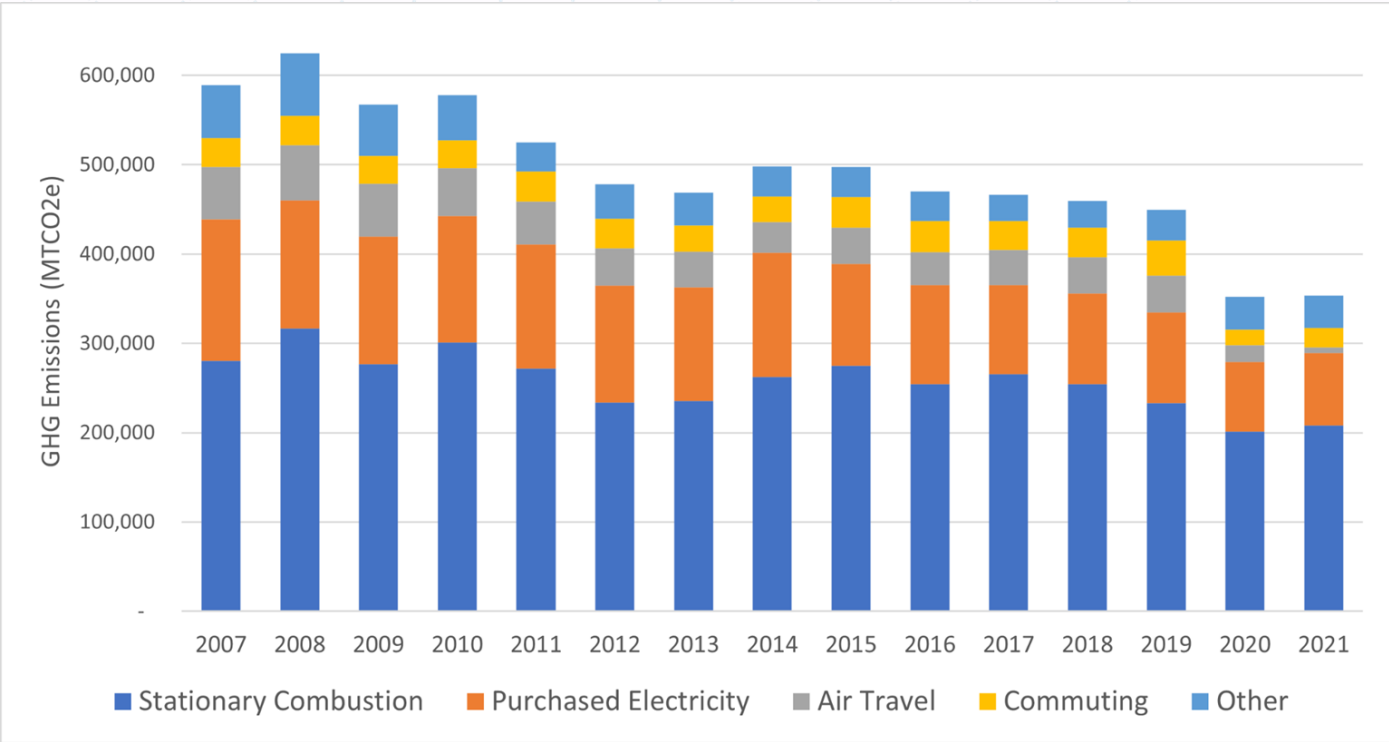


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Carolina's Strategies to Reduce Greenhouse Gas Emissions

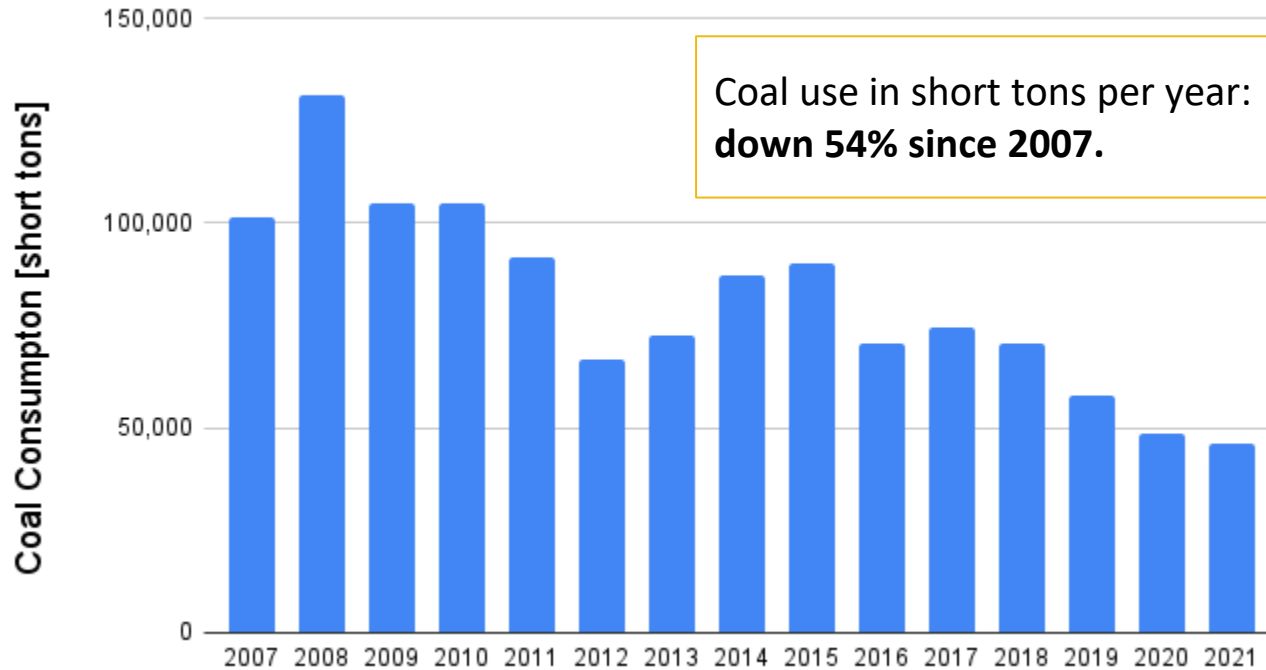


Campus Greenhouse Gas Emissions



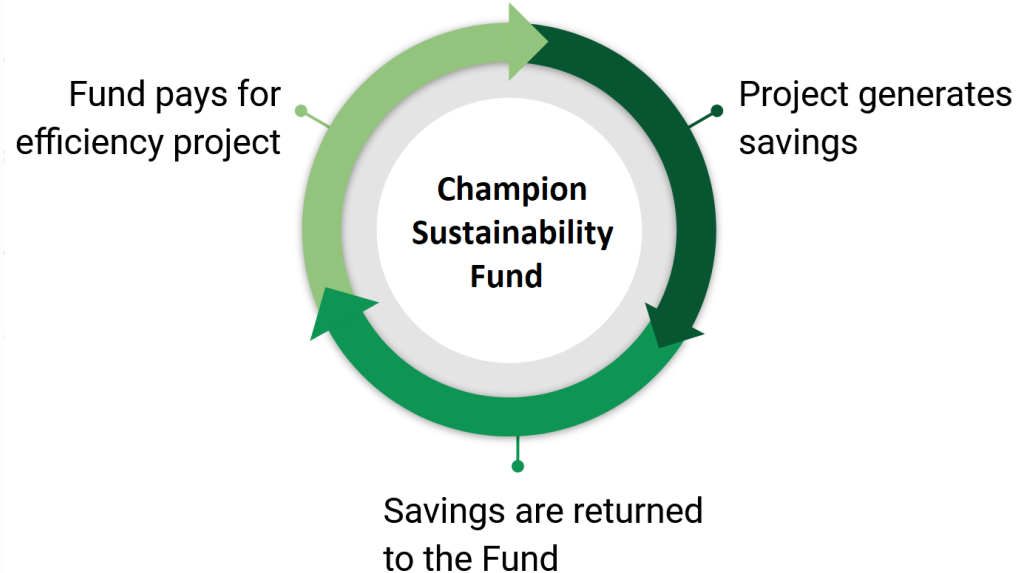
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Coal Use at the Cameron Avenue Cogeneration Plant



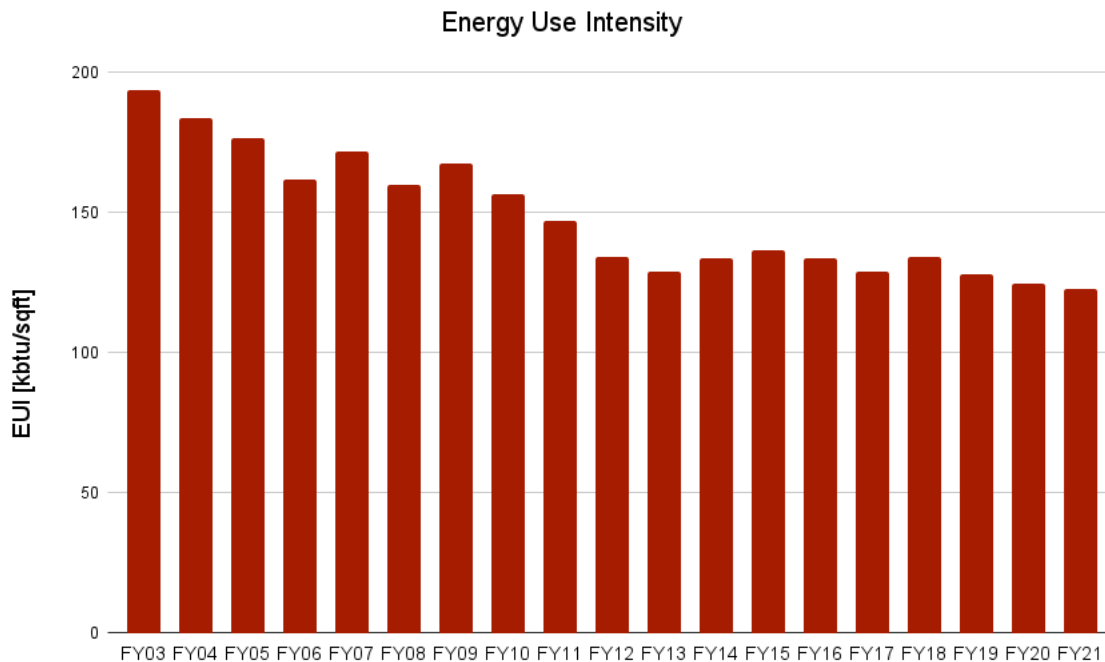
Energy Efficiency

- Champion Sustainability Fund allows the University to expedite efficiency projects
- Several LED upgrade projects in the pipeline
- Capstone course with 12 students will identify additional candidate Fund projects
- Continued efforts within Energy Management to improve efficiency



Energy Use Intensity Goal

- Executive Order 80 calls for **40% reduction** in Energy Use Intensity by 2025
- Current reduction = **37%** since 2003



Renewable Energy

- New solar projects with new construction and roof renovations
- Regular engagement with Duke Energy about renewables programs like Green Source Advantage
- Continued efforts to identify Renewable Energy Credits opportunities



Commuting

- UNC's Renewable Energy Special Projects Committee funded electric buses are now on the road
- New chargers being planned after the EV Charging Priority Areas Analysis in partnership with Town of Chapel Hill and others across Orange County helped to identify best locations
- Improved commuter data is expected to reveal lower emissions by identifying commuter vehicle types





 Sustainable
Carolina



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