



ENERGY & SUSTAINABILITY



NC CLEAN ENERGY
TECHNOLOGY CENTER

SERVICES

The NC Clean Energy Technology Center at NC State University offers business, industry, government and utilities a suite of services aimed at optimizing sustainability and energy-related objectives.

The NCCETC advances a sustainable energy economy by educating, demonstrating, and providing assistance to support clean energy technologies, practices and policies. The subject matter experts at the Center provide unbiased, data-driven, and technical fee-for-service energy solutions based on your needs. The team includes experts in clean energy, renewables, transportation, policy and workforce training, to provide comprehensive solutions to help you reach your goals.

PROJECT HIGHLIGHT

The NCCETC was contracted by the Fayetteville Public Works Commission, which serves 87,00 customers as the state's largest municipal utility, to consider the viability of a subscriber-based community solar program for their customers. The development of the 1MW community solar array, plus a 560kW battery storage project, will reduce greenhouse gas emissions by an estimated 1,300 metric tons of CO₂e annually.



To see more example projects, go to nccleantech.ncsu.edu.

The Center's Energy and Sustainability Services (ESS) can help your organization plan, evaluate, implement, and report on a host of energy-related priorities:

PLANNING AND GUIDANCE

- Carbon reduction/carbon neutral strategy development
- Baseline development including energy use intensity
- Energy resilience planning, including facilitation of mini and micro-grid development and vehicle to grid applications

RESEARCH AND MARKET ANALYSIS

- Energy-related policy review, best practices and design
- State and national market intelligence and scoping
- Identifying funding opportunities including grant research and writing

TECHNICAL ASSISTANCE

- Strategies to reduce peak electric demand
- Rate design and program development for municipal and cooperative utilities
- Project implementation support including third party reviews
- Technical assessments:
 - Alternative fuels for fleets, fleet utilization and right-sizing analysis
 - Energy efficiency, renewable energy and resilience

EDUCATIONAL OPPORTUNITIES, TRAINING AND PROFESSIONAL DEVELOPMENT

- Customized solar PV and storage design, installation, operations, maintenance and policy training
- Eco-driving and sustainable fleet management training
- Organizing an eco-fair, workshop, local solar community aggregation purchase campaign and energy and/or sustainability training for your employees, stakeholders or community

To request more information, visit go.ncsu.edu/NCCETC-ESS.



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FOR MORE INFORMATION OR TO REQUEST A QUOTE FOR SERVICES, CONTACT:

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