



# 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 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 8,700 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 CO<sub>2</sub>e annually.



To see more example projects, go to [nccleantech.ncsu.edu](http://nccleantech.ncsu.edu).

**The Center's Energy and Sustainability Services 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 and clean energy trainings including project design, installation, operations, maintenance and/or policy courses
- Eco-driving and sustainable fleet management training
- Organizing an eco-fair, workshop or training focused on local solar and renewable energy, clean vehicle, and/or sustainability, for your employees, stakeholders or community

**To request more information, visit [go.ncsu.edu/NCCETC-ESS](https://go.ncsu.edu/NCCETC-ESS).**



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

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