



NC CLEAN ENERGY TECHNOLOGY CENTER

Advancing Clean Energy for a Sustainable Economy

North Carolina State University | College of Engineering | 919-515-3480 | www.nccleantech.ncsu.edu

General Overview

The N.C. Clean Energy Technology Center helps our state's firms achieve the growth necessary to meet our nation's need for clean, inexpensive, abundant energy that can ensure our future energy security. The Center provides a gateway to the university system resources, as well as other industry-related resources. Through its many facilities and programs, the Center plays an indispensable role in attracting, training and sustaining the state's innovative energy firms and workforce.

Whether your agency is interested in improving energy efficiency in buildings, utilizing renewable energy technologies like solar, wind or bioenergy, the Center can help.

Our Mission

The N.C. Clean Energy Technology Center advances a sustainable energy economy by educating, demonstrating and providing support for clean energy technologies, practices, and policies.



Center staff performed a site assessment to evaluate the potential to incorporate solar energy technologies at the SAS facility in Cary, NC.

Program areas include:

- Renewable Energy Technologies:
 - * Solar PV & Solar Thermal
 - * Wind
 - * Geothermal
 - * Biomass
- Clean Power & Energy Efficiency
 - * Combined Heat & Power
 - * Waste Heat Recovery
 - * District Energy
 - * Smart grid/Micro-grid
- Clean Transportation/Alternative Fuels
- Workforce Development & Training
- Energy Policy



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Services offered

The N.C. Clean Energy Technology Center offers an array of technical assistance and service options for a fee to those trying to identify energy efficiency, renewable energy and clean transportation investment opportunities in their community. The Center staff work with a wide variety of partners to coordinate support to citizens, businesses and government agencies from:

- making energy improvements to existing facilities
- designing “greener” facilities and fleets
- testing an array of solar technologies
- analyzing financial models
- training a cleantech workforce

Whether your agency is interested in improving energy efficiency in buildings, utilizing renewable energy technologies like solar, wind or bioenergy, the Center can help. Services include:

Technical Services

- Product demonstration & testing
- Renewable energy site assessments Project evaluation/feasibility studies
- Combined Heat & Power site qualification & feasibility analysis
- Wind resource studies
- Clean transportation fleet assessments
- RFP & proposal development
- Speakers bureau



The Center provides training programs and equipment to North Carolina’s industry professionals and renewable energy firms.

Specialized Training

- Certificate in Renewable Energy Management
- Renewable Energy Diploma Series
- Short course professional workshops
- ECO Driving workshop for fleets
- Training facility/mobile unit rental
- Solar instructor series
- Customized training

Financial Modeling & Analysis

- Model review & recommendations
- Dashboard/visualization tool
- Project evaluations/feasibility studies

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