

PROGRAMS & SERVICES



About the Center

The N.C. Clean Energy Technology Center at N.C. State University works closely with partners in government, industry, academia, and the non-profit community to help them achieve 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.

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.

Program areas include:

- Clean Power & Industrial Efficiency
 - Combined Heat & Power, Waste Heat Recovery, District Energy, Smart Grid/Micro-Grid
- Renewable Energy
- Clean Transportation
- Energy Policy & Economic Development
- Energy & Sustainability Services



The North Carolina Department of Transportation provided funding to the Center to research the potential for producing renewable electricity from wind generated along high traffic corridors on North Carolina highways. Energy generated could support small electrical loads such as roadside lighting, signage and emergency signals.

Services Offered

The 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. Center staff work with a wide variety of partners to coordinate support to citizens, businesses and government agencies:

- Making energy improvements to existing facilities
- Designing “greener” facilities & fleets
- Testing an array of solar technologies
- Analyzing financial models
- Training a cleantech workforce
- Planning & guidance
- Conducting research & market analysis

Whether your agency is interested in improving energy efficiency in buildings, utilizing renewable energy technologies, like solar, wind or bioenergy, of information regarding state and federal regulations and tax policies for renewable energy, the Center can help.

Energy & Sustainability Services

- Clean transportation fleet assessments
- Combined heat and power, district energy, microgrid & energy storage project support
- Energy efficiency audits & targeted assessments
- Product demonstration, evaluation & testing
- Project evaluation & feasibility studies
- Renewable energy site assessments
- RFP and proposal development
- Wind resource studies



The Center also offers training programs and equipment to industry professionals and renewable energy firms in NC.

Specialized Training

- Certificate in Renewable Energy Management
- Customized training
- ECO-driving workshops for fleets
- Renewable Energy Technology Diploma Series
- Short course professional workshops
- Training facility/mobile photovoltaic unit rental

To learn more about NCCETC's services, visit www.nccleantech.ncsu.edu or contact shannon_helm@ncsu.edu.

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