



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

Clean Power, Energy Efficiency and Renewable Energy Technical Expertise

General Overview

The N.C. Clean Energy Technology Center (NCCETC) helps large industrial, institutional and commercial energy users to reach their energy-related goals. Whether your objectives are to achieve cost reductions, sustainability initiatives, or improve energy resiliency, the Center provides direct support and access to resources.

Technical Services

The Clean Power & Energy Efficiency and Renewable Energy Programs at the Center are staffed by experienced specialists and engineers. Our services include site-specific energy assessments, economic feasibility studies and project development support.

We often assist by helping clients to improve energy efficiency of building systems and / or industrial processes or deploy distributed generation systems.

Resources

The Center is a public service center in the College of Engineering at North Carolina State University. Some services, such as preliminary screenings, are available at no cost, while advanced feasibility analyses, energy audits or targeted assessments are fee supported.

Currently NCCETC is accepting applications for technical assistance through the USDA Rural Energy for America Program (agricultural producers and rural small businesses) and the U.S. DOE Southeast Combined Heat and Power Technical Assistance Partnership (CHP TAP).

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NCCETC assists Western Carolina University with a feasibility analysis to modernize their central heating plant.

Energy Assessments

NCCETC offers customized technical services, including follow-up and implementation in the following areas:

Clean Power

Combined heat and power (CHP) efficiently generates power and thermal energy for use onsite in processes or for heating and cooling. NCCETC provides project development support for CHP with microgrids, district energy and/or energy storage.

Energy Efficiency

One of the most cost-effective means of reducing operational costs lies in energy efficiency. We help you identify and prioritize opportunities for optimal operational efficiency in systems ranging from compressed air to HVAC to energy management.

Renewable Energy

Site assessments help identify practical means for incorporating renewable energy such as solar photovoltaics, thermal or bioenergy on your property or as part of your facility-wide energy system.

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