

The Data You Need...

A crucial part of NCSEA's mission is to inform members and partners about the latest developments in energy policy and the industry at large. NCSEA prioritizes communicating critical, fact-based, and timely information necessary to understand the latest clean energy trends while offering solutions to industry problems.

Renewable Energy Database (REDB)

To better understand renewable electricity generation in North Carolina, NCSEA created the Renewable Energy Database (REDB) to track system deployment. The REDB tracks solar, wind, hydroelectric, and biomass generation systems submitted to the North Carolina Utilities Commission. It includes both proposed and installed systems, providing valuable insight for solar installers, legislators, and county officials. NCSEA collects up-to-date information on project type, project status, system specifications, and general operations. We can create interactive informational maps using data from the REDB.

Clients such as nonprofits, local governments, and schools have utilized our data to support various reports, research, and other projects.



Data Analytics Consulting

NCSEA's many publications show a tremendous story of clean energy statewide. Below are just a few measurables from these reports:

Solar friendly policies have brought significant economic benefits to the state as the number of solar installations has increased. For example, a study of property tax data from 50 North Carolina counties revealed that properties with solar facilities contributed nearly 2,000 percent more in property taxes in the year after the facilities were developed than was contributed in the prior year. **That's 2,000 percent more dollars to support critical local infrastructure, education, and public safety efforts in towns like yours.**

North Carolina is an emerging leader in solar photovoltaic (PV) capacity, ranking second in the nation for cumulative solar installations.



NC SUSTAINABLE
ENERGY ASSOCIATION

The Utility Solutions Services

How can our Utility Solutions services help your company? **We can help you:**

1. Establish Goals

Evaluate existing programs
Establish goals to increase
maximum impacts



2. Set Strategy

Identify priority program candidates
Analyze residential energy intensity
Consult on new program design
and implementation

3. Efficiently Implement

Provide NCSEA's Energy Solutions Reserve
Fund, available for utilities deploying tariffed
on-bill programs
Create and disseminate marketing materials

4. Monitor and Report

Track metrics and create reports
Monitor robo-calling data
Evaluate and modify as needed



"NCSEA's reserve fund allows Ouachita Electric Cooperative to continue offering some of the most cost-effective energy efficiency measures available to our membership. We are excited to expand our program offerings this year to include smart thermostats, community solar, and hopefully residential solar and storage."

– Mark Cayce, General Manager of Ouachita EC Program Example: NC Weatherization Assistance Program (WAP)

"NCSEA's Renewable Energy Database (REDB) was a valuable source of information enabling our research into using satellite imagery for improving estimates of where small-scale solar photovoltaic array capacity is installed and how much energy it generates. The database was very well-organized and greatly expedited our research."

– Kyle Bradbury, Duke University Energy Initiative, Lecturing Fellow & Managing Director at Energy Data Analytics Lab

Find Your Place with NCSEA

Become an NCSEA Member and **join over 375 other members** helping to advance our clean energy future. We have membership opportunities available for individuals, students, nonprofits, educational institutions, government organizations, and businesses.

Visit energync.org/join-ncsea to become a member today.



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