



NC SUSTAINABLE
ENERGY ASSOCIATION

1978-2023 |

45 Years

NC Sustainable Energy Association's mission is to drive policy and market development to create clean energy jobs, economic opportunities and affordable energy that benefits all of North Carolina.

Since
1978



Policy

- Advocacy
- Tracking and Updates
- Coalition Building

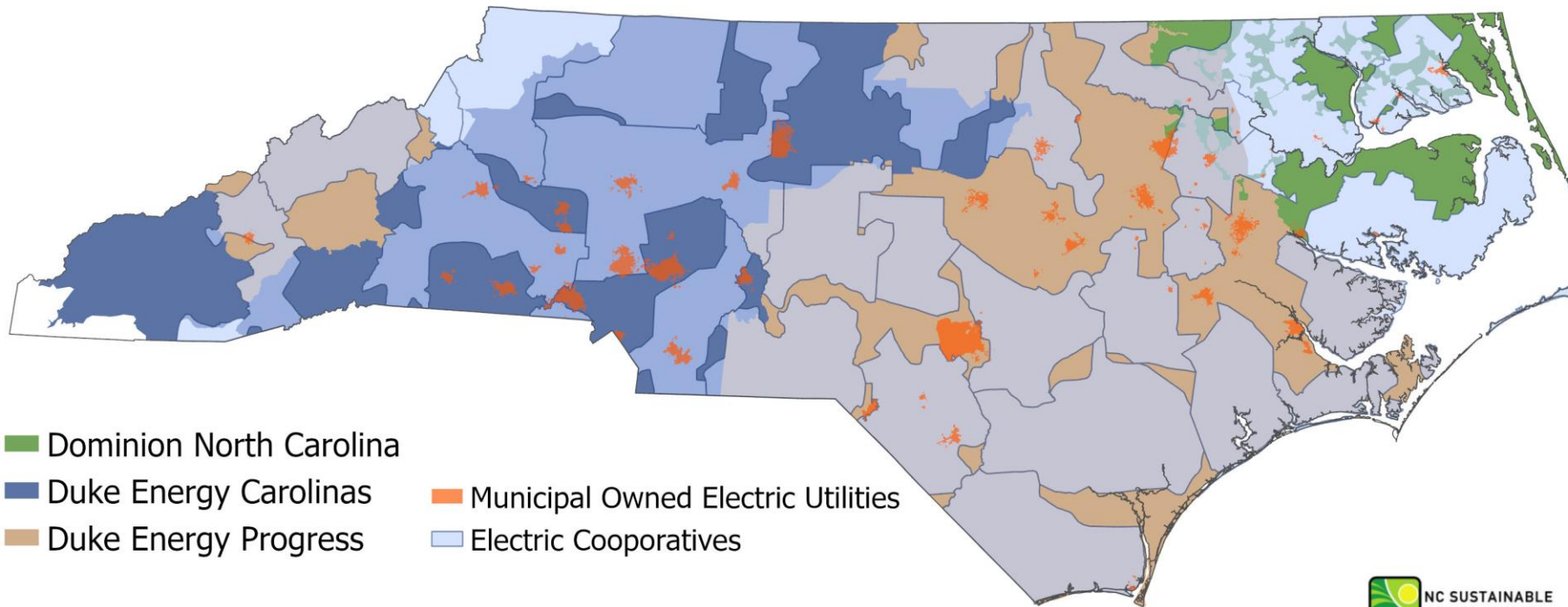
- NC Utilities Commission
- NC General Assembly
- Executive Branch

Where We Work





NC at a Glance



■ Dominion North Carolina
■ Duke Energy Carolinas
■ Duke Energy Progress

■ Municipal Owned Electric Utilities
■ Electric Cooperatives



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U.S. at a Glance

There is enough solar energy installed in the U.S. to power

37.6 million households⁴

In 2023, solar became the first renewable technology in **80 years** to make up the majority of additions to the U.S. grid, accounting for

 **15%**

of U.S. homes will have a solar PV system by 2030

In 2023, a new solar project was installed every

 **39 seconds**

55% of all new generating capacity

 **26%** average annual growth of the solar market over the past 10 years

450 GW

of new solar capacity will be installed over the next 10 years



©2024 Solar Energy Industries Association. Cheat Sheet Updated 12/4/2024 from 2024 Q4 data. All data from SEIA/Wood Mackenzie Power & Renewables U.S. Solar Market Insight report except as otherwise noted - [SEIA.org/smi](https://seia.org/smi) 1. solarjobscensus.org 2. solarmeanbusiness.com 3. [SEIA.org/hsd](https://seia.org/hsd) 4. [SEIA.org/whats-megawatt](https://seia.org/whats-megawatt)





#4 Installed solar in the country



Clean energy jobs 110k+



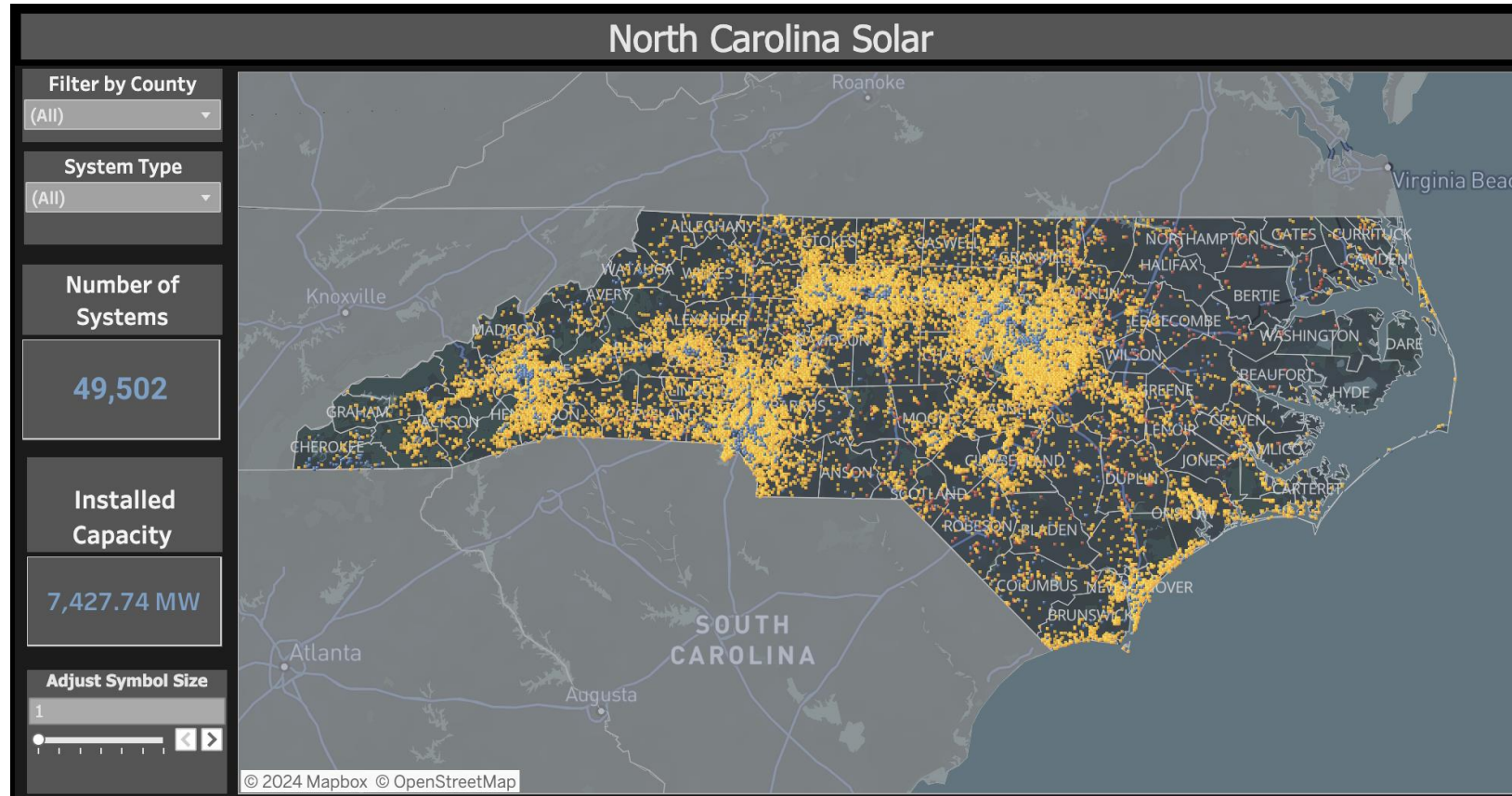
#1 Rural clean energy jobs nationally

NC at a Glance





NC at a Glance



Solar & Agriculture

.28% Agriculture Land Occupied by Solar

78% Agricultural Land Loss Associated with low-density housing development

Solar Tax Benefits

1801%

Average increase in property tax revenue
paid on land with solar

\$225,574

Average increase in property tax revenue
across counties in NC

Policy Updates

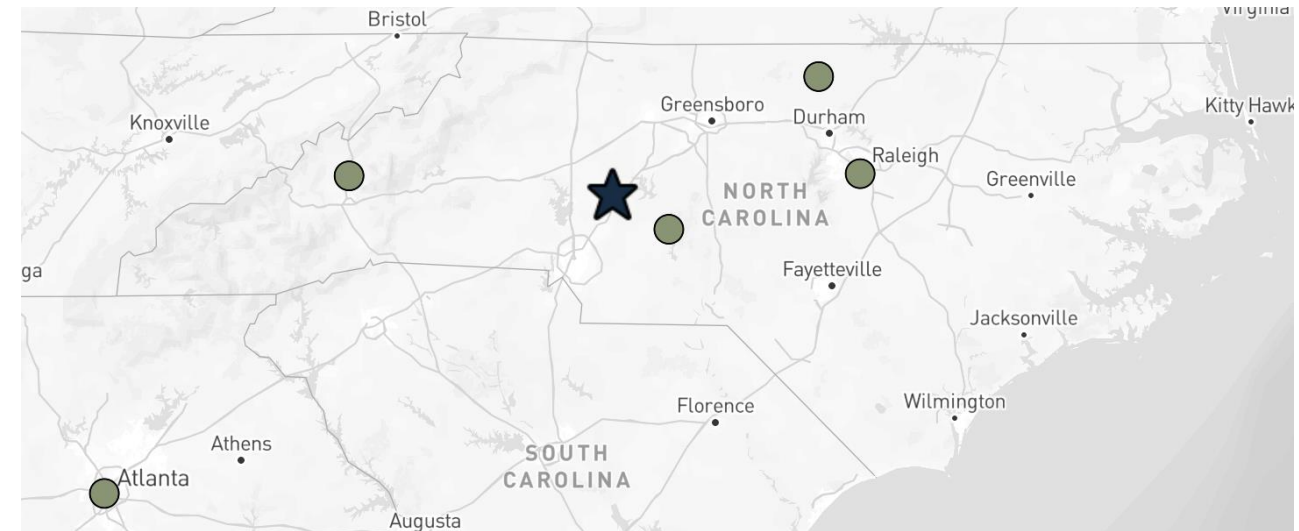




End of Life / Decommissioning

HB130 (2023)

Requires utility-scale solar project owners to provide decommissioning plan to NC DEQ and financial assurance to cover decommissioning costs at the end of a project's lifecycle.



Solar Recycling facilities in NC





2025 Long Session

- SB 266 – Power Bill “Reduction” Act
- HB 814 – Grid Enhancing Technologies

2025 Regulatory Updates

- 2025 / 2026 CIPRP – Duke filed Carolinas Resource Plan Oct. 1
- DEC & DEP Fuel Cost dockets

Hey Josh – don't forget the federal shenanigans



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