



Establishing South Carolina as a Global Leader in Advanced Resilient Energy.

The Path Forward Starts with South Carolina's SC Nexus for Advanced Resilient Energy (SC Nexus).

SC Nexus is:

- A broad consortium of public and private entities operating across the state.
- Working to drive innovation in technologies that enable an end-to-end resilient, sustainable energy ecosystem.
- One of only 31 U.S. Department of Commerce's Economic Development Administration's (EDA) designated Regional Technology and Innovation Hubs (Tech Hubs) and one of only three in the Southeast.

EDA required Tech Hubs to select a "tightly interconnected set of metropolitan statistical areas (MSAs) with the assets, resources, and capabilities" to support the Tech Hub's vision. SC Nexus' defined geography consists the MSAs of Greenville-Anderson, Columbia, Spartanburg, and surrounding counties (e.g., Aiken, Orangeburg). This covers 60%+ of SC's distressed counties.

How the EDA Tech Hubs Designation Benefits SC Nexus' Efforts

SC Nexus can now compete for **up to \$75 million** to fund technology innovations projects in the state.

SC Nexus will position the state to lead national and global efforts to support:

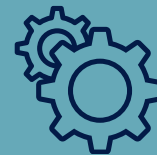
- Electricity generation.
- Resilient and digitized electricity distribution.
- Grid-scale storage to meet growing energy demands.

SC Nexus efforts will provide access to more international business investment.

Tech Hubs are designed to quickly grow the nation's ability to



DESIGN



MANUFACTURE



EXPORT

critical technologies of the future:
advanced energy, advanced
materials, semiconductors, AI and
automation.



The new energy economy is expected to create 14,000+ jobs in South Carolina by 2030 based on its current trajectory.

As a Tech Hub, with secured funding, SC Nexus will:

- Accelerate high-quality job growth for a diverse workforce.
- Create inclusive pathways for all South Carolinians to access those new high-quality jobs.
- Help to close infrastructure gaps in rural and distressed communities.
- Ensure continued access to a reliable supply of low-cost electricity.

Only four of the 31 EDA designated Tech Hubs are pursuing funding for advanced energy:

Florida – Resilient Infrastructure
 Idaho – Nuclear Reactors
 Louisiana – Wind Turbines
 New York – Batteries

South Carolina's competitive advantage:

- Expansive Infrastructure
- Robust Education Systems
- Innovative Research Entities
- Rapidly Growing Private Sector

SC must demonstrate across-the-state buy-in from state and local leaders.

How to Win Funding:

- Demonstrate buy-in from stakeholders through tangible commitments.
 - The program requires a minimum 10% match from the consortium. (\$50 million grant=\$5 million match)
 - The consortium must include documentation detailing who will provide the match and what form it will take.
- Prove it can continue pursuing global leadership in advanced energy after EDA funding ends.
 - Secure long-term project ownership for initiatives/projects proposed by SC Nexus, including long-term financial commitments.
 - Determine a sustained organizational construct.
- Show there will be significant impact in local communities.
 - Demonstrated buy-in and engagement from historically disadvantaged communities is critical for application success.

Next Steps:

- **Inform** and **secure support** from public and private decision makers across the state.
- **Identify** and **define** five to eight projects.
 - *Project example:* Repurposing an existing site or facility, which could include helping an ongoing business transition to new products or processes to promote the advance of advanced resilient energy.
- **Submit** the funding application to the EDA by Feb. 29, 2024.