



# Riverside Accelerating Clean Energy (RACE) by 2040

## NREL-at-a-Glance

**Transforming energy since 1977**

**Cutting edge facilities and world-class research**

**Living laboratory**

**Community involvement**

Photos taken by NREL photographers are copyrighted and belong to NREL/Alliance for Sustainable Energy, LLC



**Renewable Power**

- Solar
- Wind
- Water
- Geothermal



**Sustainable Transportation**

- Bioenergy
- Vehicle Technologies
- Hydrogen



**Energy Efficiency**


- Buildings
- Advanced Manufacturing
- Government Energy Management

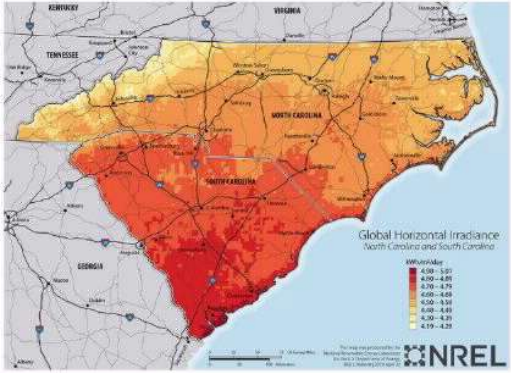


**Energy Systems Integration**

- Grid Integration
- Hybrid Systems
- Security and Resilience

Photos taken by NREL photographers are copyrighted and belong to NREL/Alliance for Sustainable Energy, LLC





**Carbon-Free Resource Integration Study  
(Duke Energy)**

**Supporting the Transition to Low-Carbon Communities**

NREL | 4





## World Class Decision Support

Supporting Riverside with decarbonization planning and implementation leverages decades of investment on this topic through:



Customized modeling



Unique scenario development



Complex multi-sector analysis



In-depth stakeholder engagement

Photos taken by NREL photographers are copyrighted and belong to NREL/Alliance for Sustainable Energy, LLC

NREL | 5

## Project Leadership



NREL | 6

# Thank You

---

[www.nrel.gov](http://www.nrel.gov)

