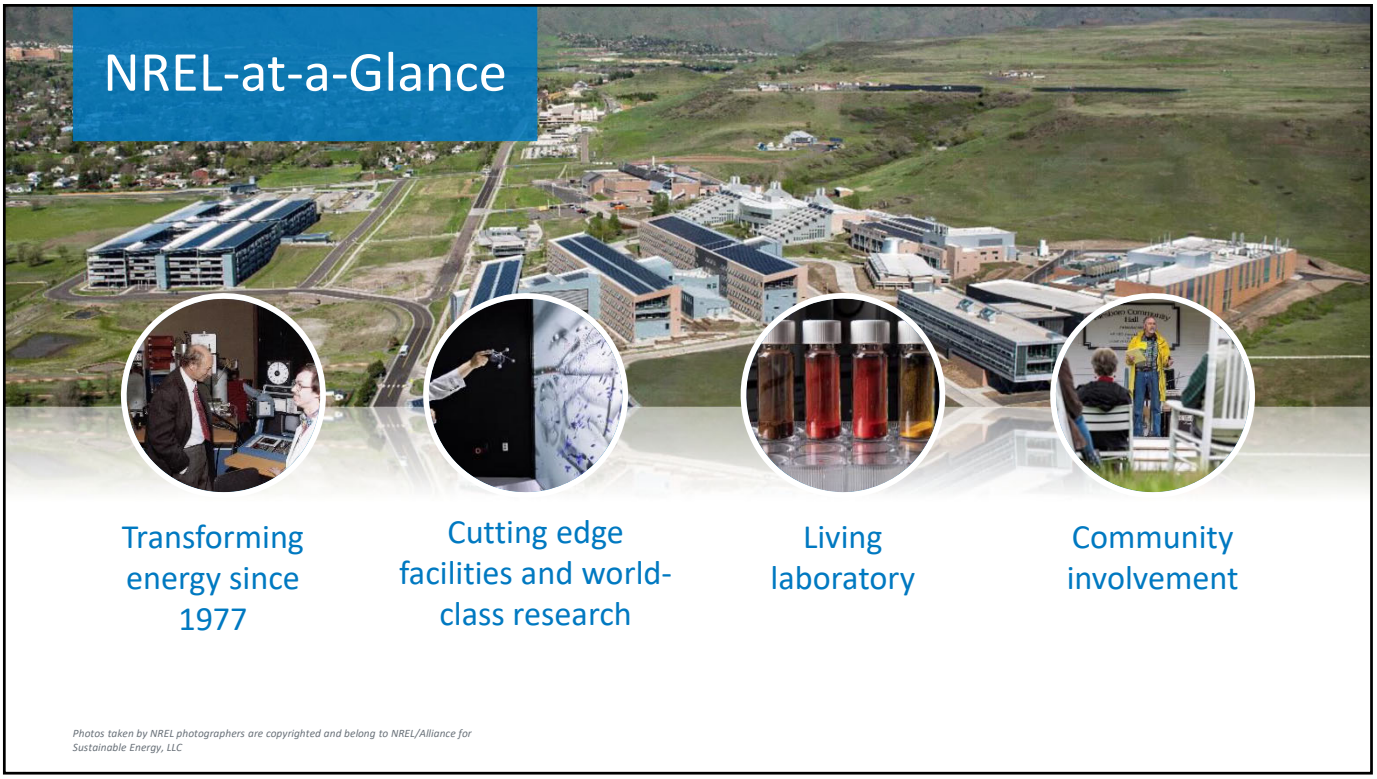

NREL
Transforming ENERGY
Riverside Accelerating Clean Energy (RACE) by 2040

1


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

2



Renewable Power

Solar
Wind
Water
Geothermal

Sustainable Transportation

Bioenergy
Vehicle Technologies
Hydrogen

Energy Efficiency

Buildings
Advanced Manufacturing
Government Energy Management

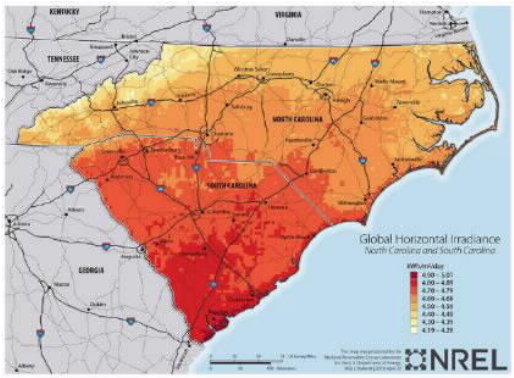
Energy Systems Integration

Grid Integration
Hybrid Systems
Security and Resilience

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

3

PR100



Carbon-Free Resource Integration Study (Duke Energy)

Supporting the Transition to Low-Carbon Communities

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

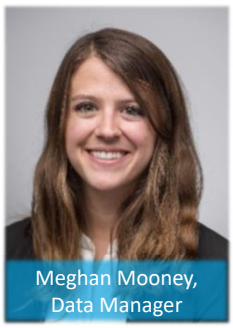
5

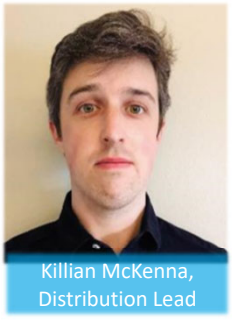
Project Leadership


David Palchak, Principal Investigator


Paul Denholm, Technical Lead


Rachel Saxon, Project Manager


Meghan Mooney, Data Manager


Killian McKenna, Distribution Lead


Elaine Hale, Projections Lead


Paritosh Das, Solar Lead


Andrew Speak, Buildings Lead

6

Thank You

www.nrel.gov



7