NC Electric Co-op Territory

950,000
Households and businesses served by NC Electric Cooperatives

93 Counties in NC

NORTH CAROLINA'S ELECTRIC POWER PROVIDERS SERVICE AREAS

26 Member owned not-for profit cooperatives

Powering Everyday life for 2.5 Million

24% of the population
45% of the land mass
BENEFICIAL ELECTRIFICATION:

- Saves consumers money
- Reduces environmental impact
- Enables better grid management
- Improves quality of life

Accomplishes one while harming none
2015 North Carolina Final Energy by Fuel / End-Use Application

TRANSPORT
- Cars and light trucks
- Heavy-duty trucks
- Aviation
- Bus/Transit/Rail
- Maritime
- Military

BUILDINGS
- Space heating
- Cool/Light/Appl./Elec.
- Water heating
- Other dual-fuel buildings

INDUSTRY
- Process Heat/Cool
- Industry Boilers
- Facilities/Other
- Machine Drive
- Constr./Ag./Min.

- Batteries for Long-Haul Trucking
- EVs and PHEVs
- Electrified Transit
- Heat Pump Water Heaters, Electric Range, Clothes Dryers
- Induction Melting, Infrared Drying, etc.
- Industrial Facilities

Legend:
- Electricity
- Natural Gas
- Petroleum
- Coal
- Bioenergy

Quad BTUs
Electric Vehicles represent the single most significant beneficial electrification opportunity for co-ops.
NC Electric Cooperatives
EV strategy focal points

1. Awareness/Marketing
2. EV Charging Network
3. Residential
EV Awareness and Marketing

- Fleet cars
- Regional EV events
- Improved affordability
  - Nissan Leaf incentive
  - Credit union low interest rate loans for EVs
- Cooperative micro-site: WWW.NCDRIVEELECTRIC.COM
Co-op EV charging network purpose:

- Encourage tourism and economic development
- Provide co-ops with opportunity to evaluate charging data across the co-operative network
  - Charging patterns
  - Demographics
  - Infrastructure impacts
  - Impacts of different rate/billing structures
EV Rural Charging Network
Level 2 and DC Fast charging sites across cooperative network
NC Electric Cooperatives
EV Residential Strategy

- EV Toolkit
- Rebates and incentives
- Building preparedness