

Piedmont Electric Membership Corporation

Advance Meter Infrastructure (AMI)
North Carolina Energy Policy Council
Richard Mabbott – Sr. VP & Chief Operating Officer, PEMC
January 25, 2010

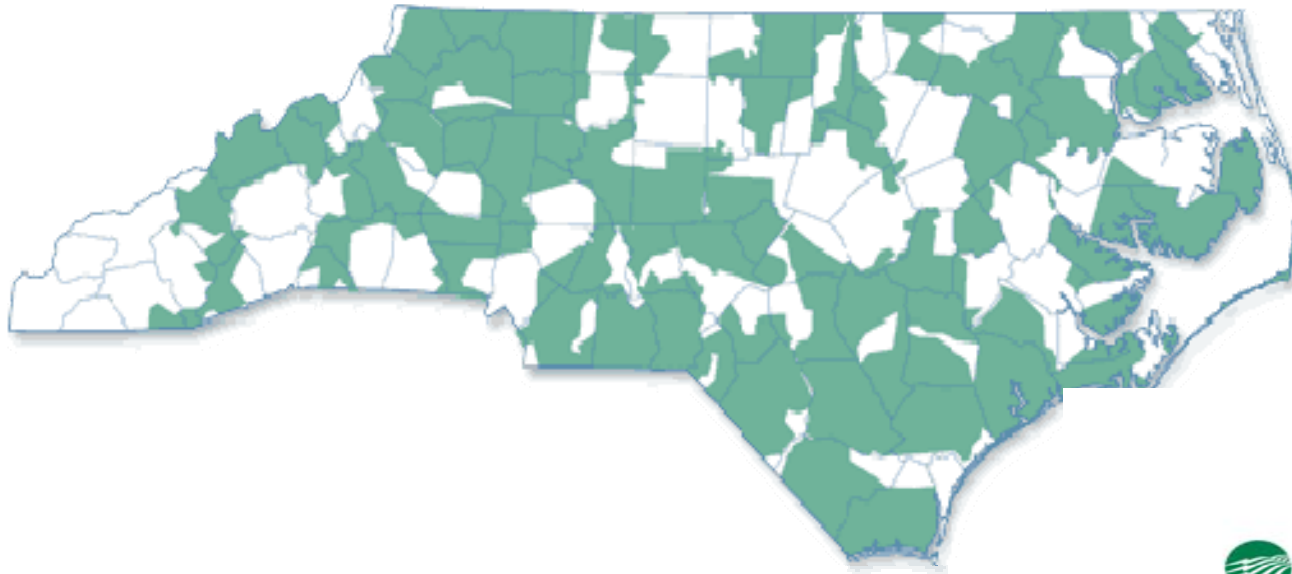


Piedmont EMC

- Electric Co-op
 - Randy G. Brecheisen, President/CEO
 - Headquarters – Hillsborough, NC
- Serve 31,600 Meters in Six Counties
 - Alamance, Caswell, Durham, Granville, Orange and Person Counties
- 456,000 MWh Sales and 140 MW Peak
- Power Supply
 - Duke Power (80%)
 - Progress Energy (18%)
 - SEPA (2%)
- 10 Metering Points – 17 Substations – 3,500 Miles of Line – 8 Meters/Mile
- North Carolina Association of Electric Cooperatives
 - Serves roughly 1 Million Customers in NC
 - GreenCo Solutions, Inc.

North Carolina Electric Cooperatives

- North Carolina's electric cooperatives provide reliable, safe and affordable energy and related services to more than 950,000 households and businesses in 93 of North Carolina's 100 counties. Each of the 26 cooperatives is member-owned, not-for-profit and overseen by a board of directors elected by the membership.



Piedmont EMC Vision

To empower and partner with our member/consumers to provide energy value and to enhance quality of life.

Piedmont EMC AMR/AMI

- Landis+Gyr two-way communication between the meter and the utility using a high frequency signal carried over existing power lines
- Receivers Installed at each Substation
- Three Year Meter Conversion – New and Retrofit
- Cost Approximately \$100 per Meter
- Daily Reads
- Outage and Meter Tampering Notification

Piedmont EMC AMI

- Remote Meter Reading for Monthly Billing
- Outage Notification
- Storm Restoration Management
- FlexPay - Optional prepayment customer billing
- MyUsage.com - Web portal available to all customers to monitor daily kWh use
 - Daily Usage Alert E-mails
 - High Usage Alert E-mails
 - Frequency/types of E-mails determined by customer
- Load Control - Water Heaters and Cycled Air Conditioners
- Voltage Control - Energy Monitors - Smart Thermostats - Smart Appliances - Pricing Options - Other

Questions?