

# 2015 Electric Department Annual Report



Rick Sisk, Department Head

# Electric Department Employees



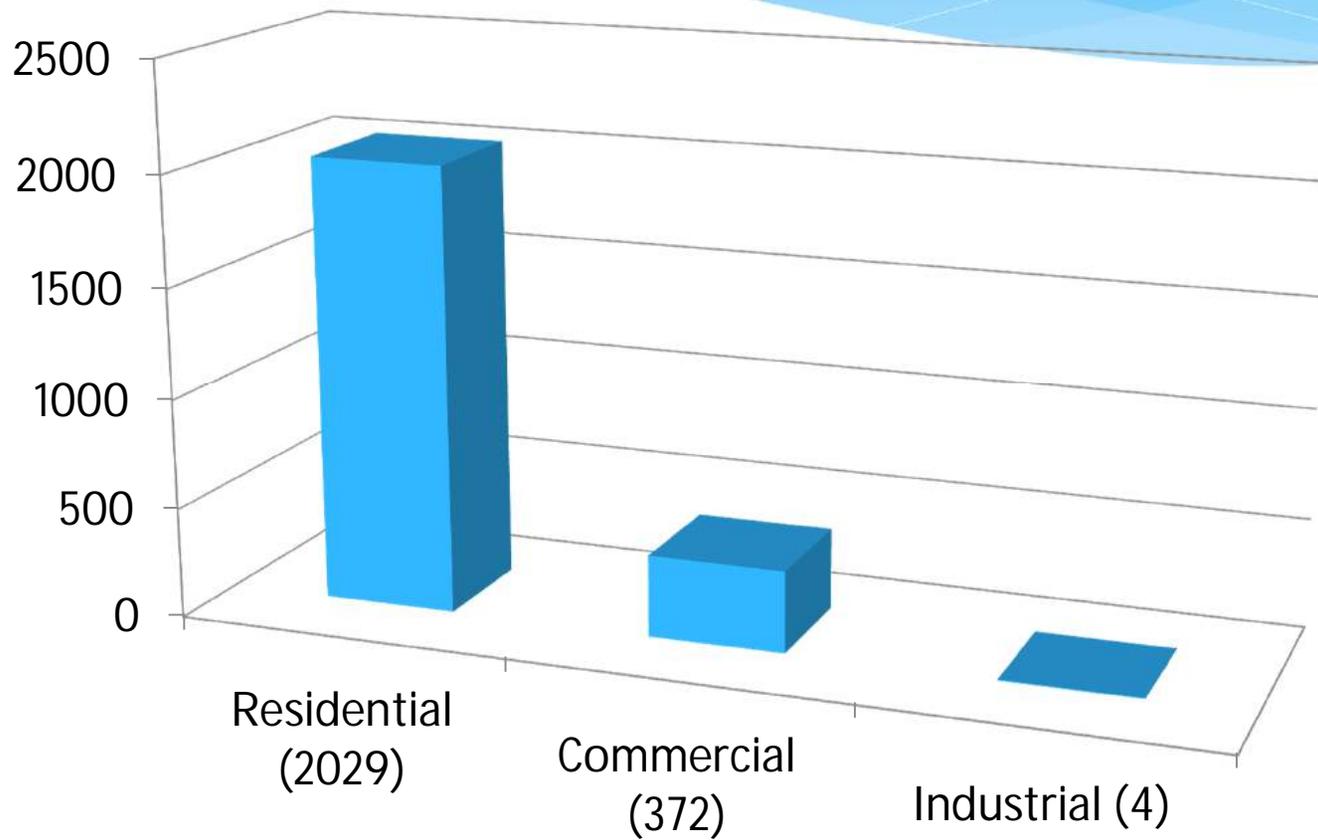
(L-R) Anthony Cline – 6 months, Jim Cushing – 28 years,  
Jonathan Cook – 2 years, Rick Sisk – 13 years, Chad Russell – 6 years

# NCMPA1 Public Power Community

## North Carolina Public Power Communities



# Customers By Type (2,405 Total)



As of December 2015

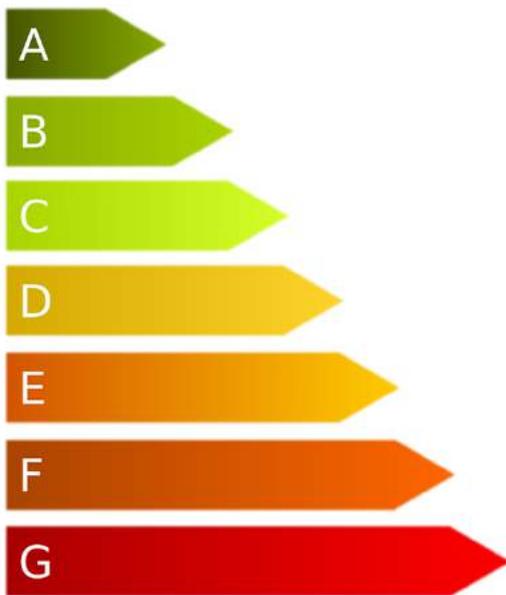
# Construction and Maintenance

In 2015, the Electric Department:

- \* Installed 8 new house services
- \* Installed 2 new commercial services
- \* Installed 8 temporary services
- \* Upgraded 14 underground and overhead services
- \* Installed 10 new security lights
- \* Repaired or replaced 258 street and/or security lights
- \* Completed 648 requests for utility line location
- \* Performed 1,241 various work orders for connections and disconnections, electric service, voltage quality studies, bad electric connections, and etc.



# Energy Audits



The Town of Granite Falls continues to offer Energy Audits to anyone that requests them.

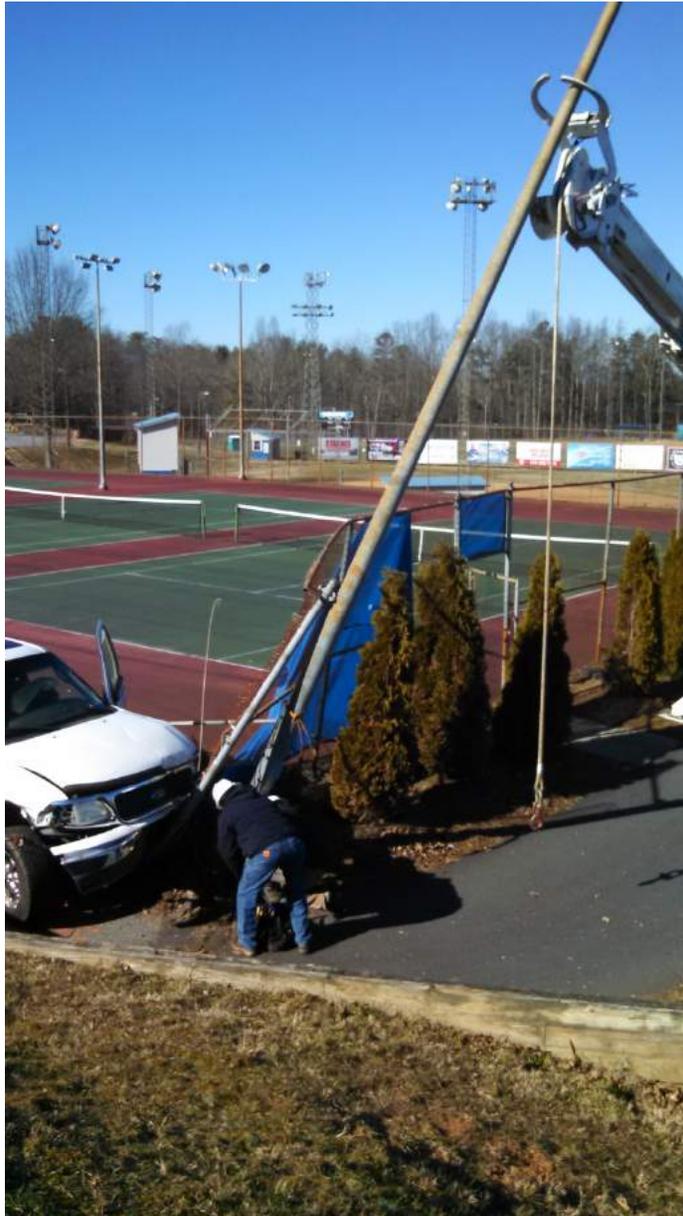
This year, the Electric Department completed 11 Energy Audits.

# Tree Trimming



Our very aggressive Tree Trimming program continued again this year, eliminating many potential power interruptions and major outages. In 2015, we removed 28 'danger' trees that were major concerns. These trees were capable of taking down main circuits and feeders.

# Outages



Squirrels and vehicle accidents are still our main cause of outages. We are reducing outages caused by squirrels by installing animal guards on primary bushings on transformers.

# CIP Projects and Aging Infrastructure Upgrades

- \* The underground loop at Timberbrook has been completed.
- \* The Broadwater Development loop has been completed.
- \* The Heritage Dr. Development project is underway and is 40% complete. We are updating old primary underground and completing a primary loop where none existed. Expected completion by July, 2016.
- \* The A. McGee's wood products second service install was completed adding a 1000kva pad mounted transformer.
- \* The South Caldwell Christian Ministries building has been completed. We installed a second service totaling 225 kva.



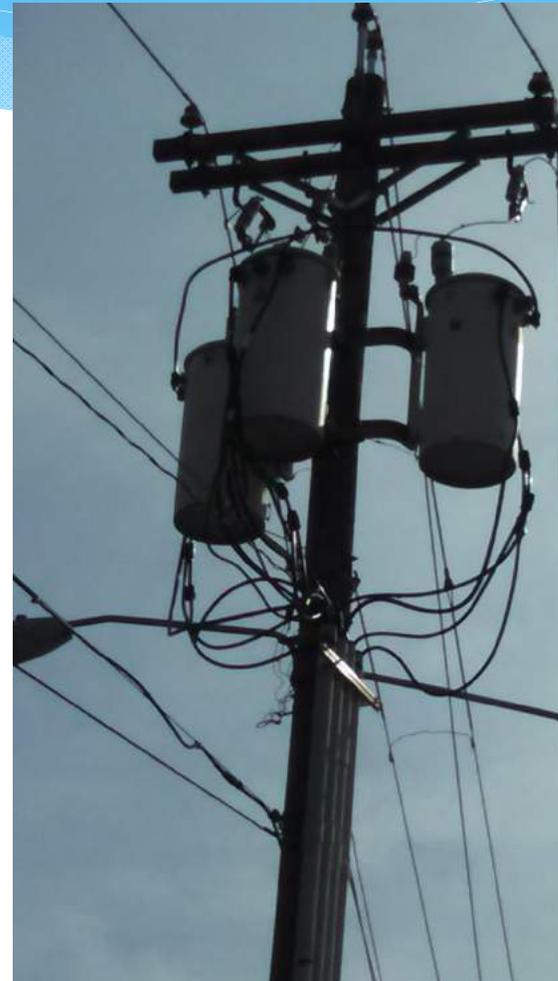
# CIP Projects and Aging Infrastructure Upgrades Continued



- \* Regulators in the substation have been replaced.
- \* Upgrade to Downtown Circuit has been completed.
- \* The Montclair Development project is complete.
- \* We replaced 6 power poles that were deemed dangerous.

# Northside Upgrade

- \* We upgraded Northside Shopping Center service from 150kva to 300kva. The services was initially undersized on purpose because no load growth was foreseen. The load has increased and we have upgraded the load capacity to supply future business expansion.



# Water Plant Upgrades



Replacement generators and transfer switches for the Water Plant have arrived and are scheduled to be installed beginning the first week of February 2016.

# Continuing Education

**Renewed CPR and First Aid Certification:** Rick Sisk, Jim Cushing, Chad Russell, Jonathan Cook, & Anthony Cline

**Attended NESC Workshops:** Rick Sisk, Jim Cushing, Chad Russell, Jonathan Cook, & Anthony Cline

**Attended Distribution Workshops:** Rick Sisk, Jim Cushing, Chad Russell, Jonathan Cook, & Anthony Cline

**Continued Lineman Career Development Program:** Rick Sisk, Chad Russell, & Jonathan Cook

**Renewed NC Pesticide Applicator License:** Chad Russell & Anthony Cline

**Renewed Electrical Contractors License Certification:** Jim Cushing

**Completed National Electric Code School:** Jim Cushing

**Attended NC Electrical Contractor Prep. Workshop:** Chad Russell

# Awards & Designations



- \* NC Public Power Awards of Excellence  
Received for: Competitive Business Environment, Energy Efficiency, Financial Stability, Legislative Involvement and Service Excellence
- \* American Public Power Association Designation as a Reliable Public Power Provider (RP3)
- \* ElectriCities 2015 Municipal Electric Safety Award

# Average Service Availability Index

Per our RP3 Designation,  
our ASAI or Average Service  
Availability Index is at  
**99.98%.**

This Index indicates that  
Town electric service was  
provided an average of  
99.98% of the time for all  
electric customers.

