



Clay Electric Cooperative, Inc

2012 Hurricane Preparedness

Florida PSC Hurricane Season Preparedness Workshop

May 9, 2012

Clay Electric Cooperative, Inc.

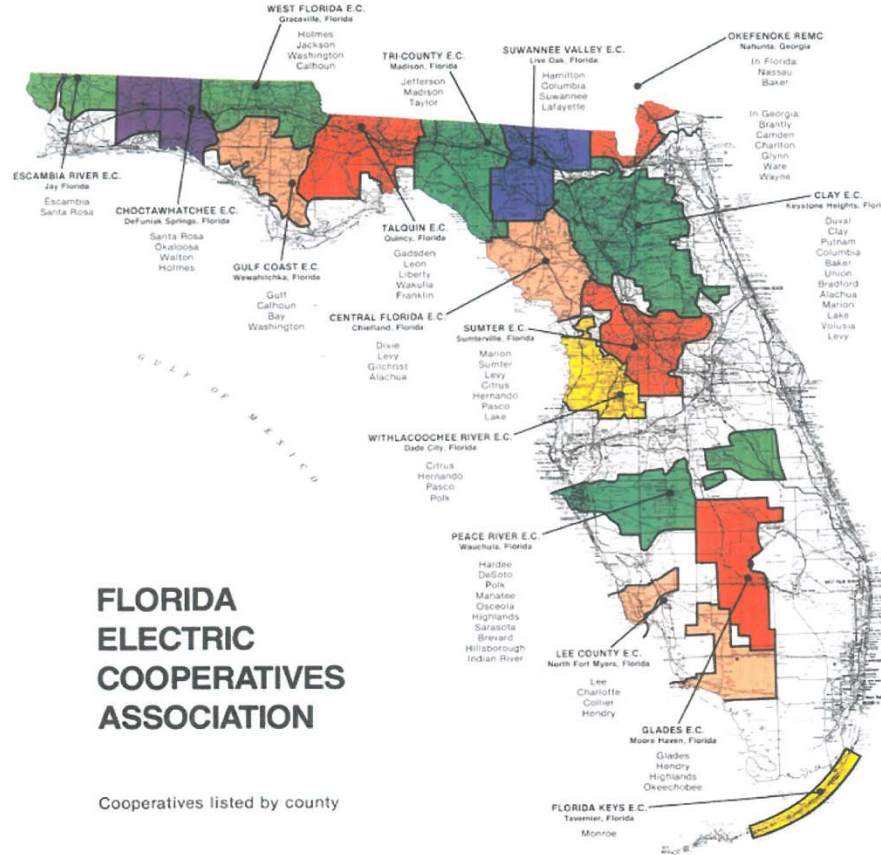
- Headquarters in Keystone Heights
- Serving into 14 North Florida Counties

Alachua	Columbia	Levy	Union
Baker	Flagler	Marion	Volusia
Bradford	Gilchrist	Putnam	
Clay	Lake	Suwannee	

- Operates from 6 District Offices

Gainesville	Orange Park
Keystone Heights	Palatka
Lake City	Salt Springs

Florida Electric Cooperatives, Inc.



Clay Electric Cooperative, Inc.

System Statistics

- Miles of Overhead Distribution Line.....10,698
- Miles of Underground Distribution Line..... 2,129
- Miles of Transmission Line..... 213
- Number of Substations..... 46
- Number of Services Connected.....173,579

Standards of Construction Distribution

- National Electric Safety Code Compliance
- Extreme Wind Loading Not Utilized
- Flooding and Storm Surges – Clay is a non-coastal utility
- Attachments by Others – agreements require attaching party to verify clearances and strength designed by Profession Engineers.

Standards of Construction Transmission

- Extreme wind loading used on all lines built or rebuilt after 2007.
- New lines built using concrete poles with polymer insulators.
- 5 miles wood pole lines replaced with concrete.
- Clay now has 100 miles of concrete poles versus 113 miles of wood poles.

Facility Inspections Distribution

- Performed ground line inspection on 10 year cycle per RUS guidelines prior to 2007.
- Beginning 2008 Clay began migration to 8 year cycle. Beginning 2013 Clay will be completely on 8 year cycle.
- Clay has approximately 206,000 wood distribution poles.
- 2011 Clay inspected 21,549 poles (10.46%)
- PROGRAM IS ON SCHEDULE!

Facility Inspections Transmission

- 1,688 wood poles, 908 concrete poles, 14 steel poles.
- Groundline inspection every 8 years, next inspection 2014.
- Helicopter inspection 3 times annually completed March, July, November 2011.
- Ground Visual patrol every 2 years. Last 2010, Next 2012.
- Climbing inspection every 4 years. Last 2008, Next 2012.
- PROGRAM IS ON SCHEDULE!

Vegetation Management Distribution/Transmission

- Feeder recut cycles 3,4,5 years based on right-of-way width and growth.
- 3 year – 25%
4 year – 40%
5 year – 35%
System Average 3.9 years
- Program includes trimming, mowing, and chemical spraying
- PROGRAM IS ON SCHEDULE!
- Clay educates customers with “Keep the Lines Clear” and “Landscape Planning” brochures.

STORM PREPAREDNESS

Annual Activities:

- Emergency Plan Reviewed & Revised
- Internal Resources Assigned
- Outside Contractors Identified
- FECA Mutual Aid Agreements Updated

COMMUNICATIONS

- Establish Communication Lines for County EOC's with CEC Member Relations
- Establish Communication Lines for Local Law Enforcement with CEC Control Center.
- Daily updates on storm restoration progress and work areas.

State EOC

Local EOC

Local Media

Cooperative Web Site

- Web Based Graphical Outage Map

SUMMARY

- Transmission/Distribution System Inspected and Maintained.
- Storm Plan Reviewed & Revised
- Communication Plans continuously Reviewed and Revised.



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Areas of Vulnerability

- Heavy Right-of-Way – Large amount of Distribution in rural wooded areas.
- Insufficient Outside Crews
- Multiple Storms