

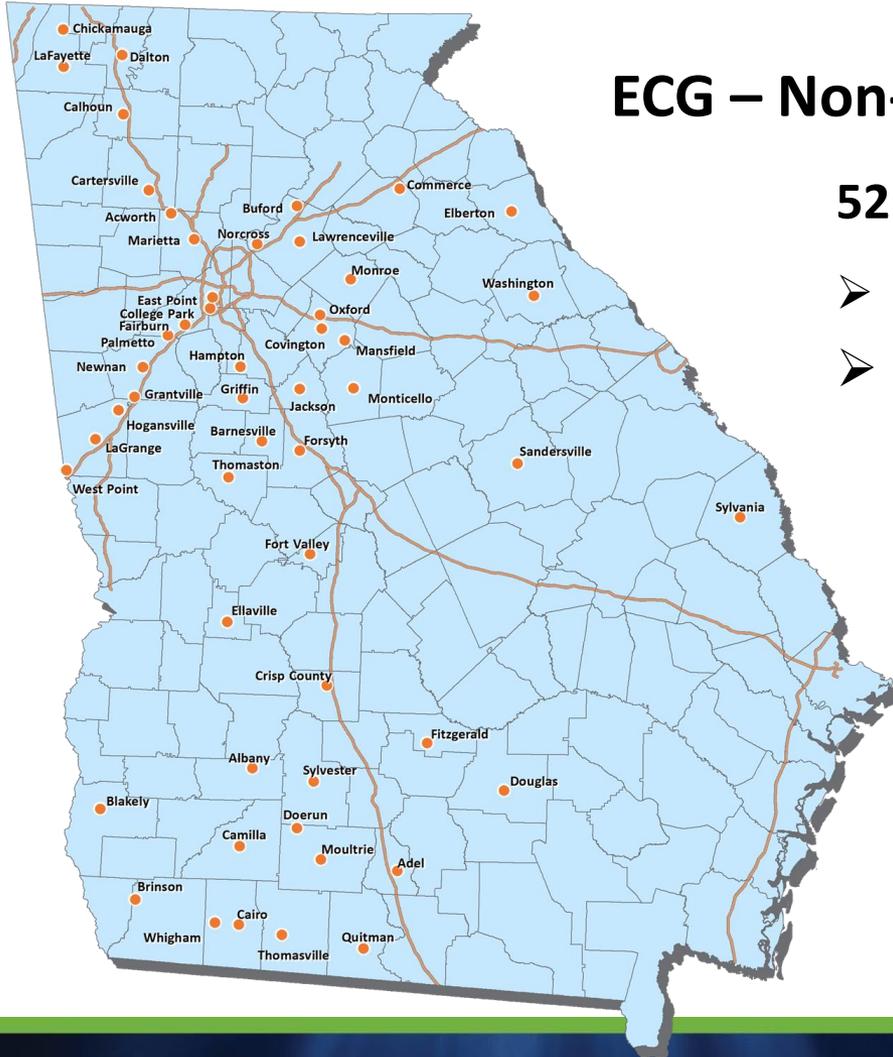


# House Rural Development Council

Blue Ridge, GA

May 15, 2018

# Who We Are



## ECG – Non-Profit Statewide Trade Organization

### 52 Member Services Provided:

- Operational | Engineering | Analytical | Training
- Statewide Economic Development



**Communication is Key**  
Turn Information Into Action

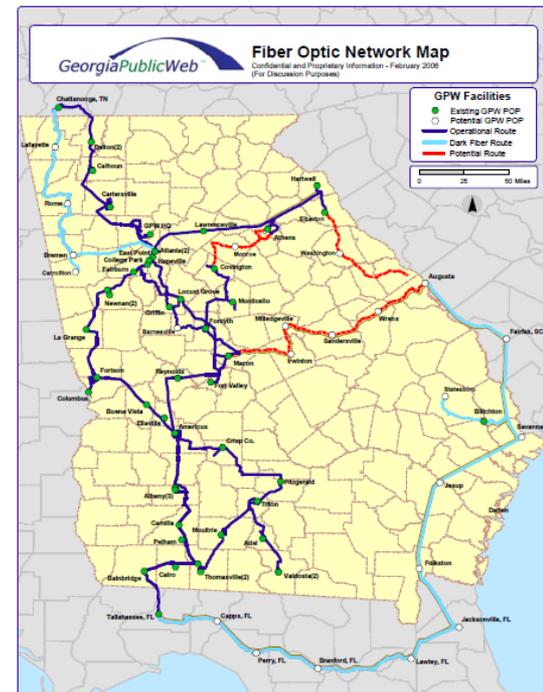
# Our Members

- 52 Public Power Electricity Providers
  - Providing **100+ Years** of Electric Service
- Member Utility Enterprise Systems Include
  - Electricity
  - Natural Gas
  - Water & Waste Water
  - Telecommunications
    - (Wired & Wireless)



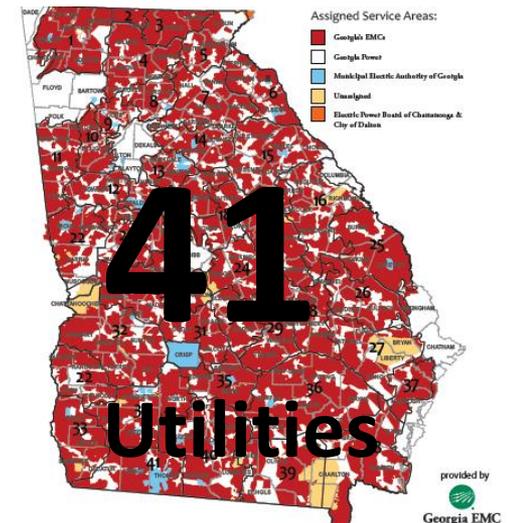
# Support

- High speed wired and wireless connectivity is the 21<sup>st</sup> Century Interstate System
- Connectivity is critical for economic and community development
- ECG's members have a long history of supporting the deployment of telecom infrastructure



# History of Collaboration

- Obligation to serve assigned territories
- Fiduciary responsibility to fiscally manage all assets
- Proactive pole collocation with electric, telecom, cable TV, DOT
- Results – Low cost, high reliability for Georgia citizens



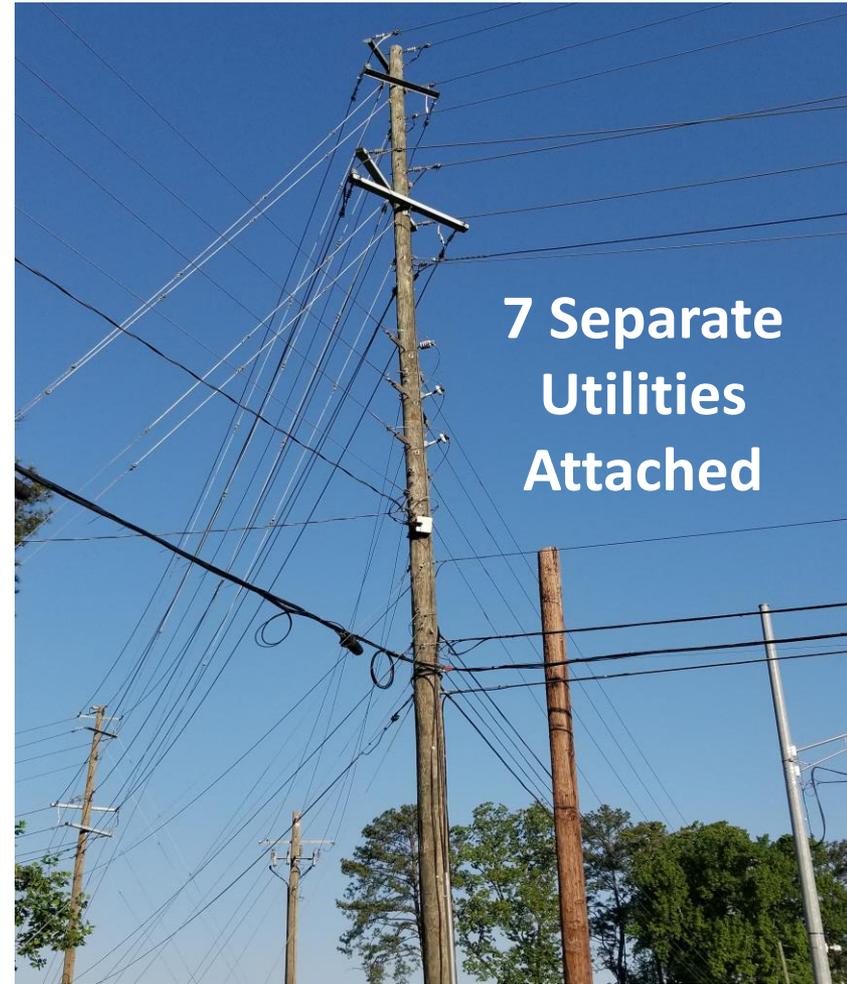
# Distribution Systems Primary Function – Electric Service

## Complicated Model



## B2B Joint Use Agreements Provide All Parties

- Consistency
- Predictability
- Remedy
- Operational Reliability
- Fees – Reasonable, Cost Based, & Nondiscriminatory



# Pole Owners Provide Asset Management

Staff Assets and Systems Are In Place for:

- Colocation Agreement Management
- Permitting
- Code Enforcement
- Pole Asset Management

Streamlined Process – Utilization of NJUNS  
(National Joint Use Notification System)

Government Regulation and Oversight is not necessary

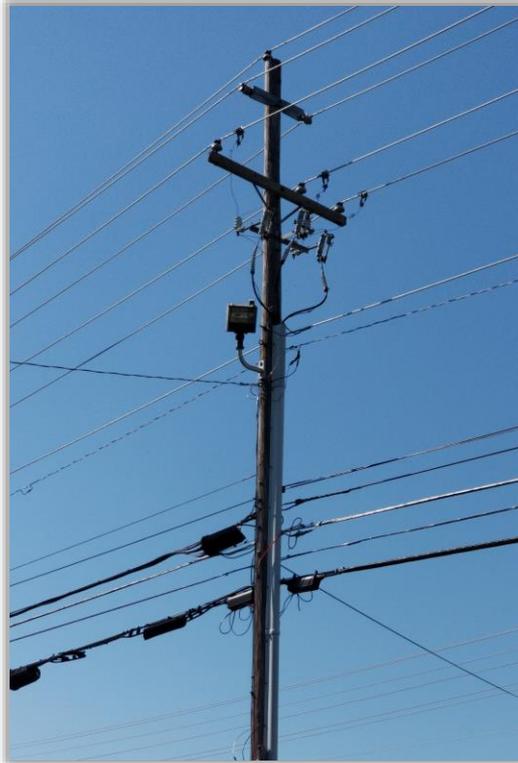


# NESC Clearance Standards

## High Attachment Accessibility



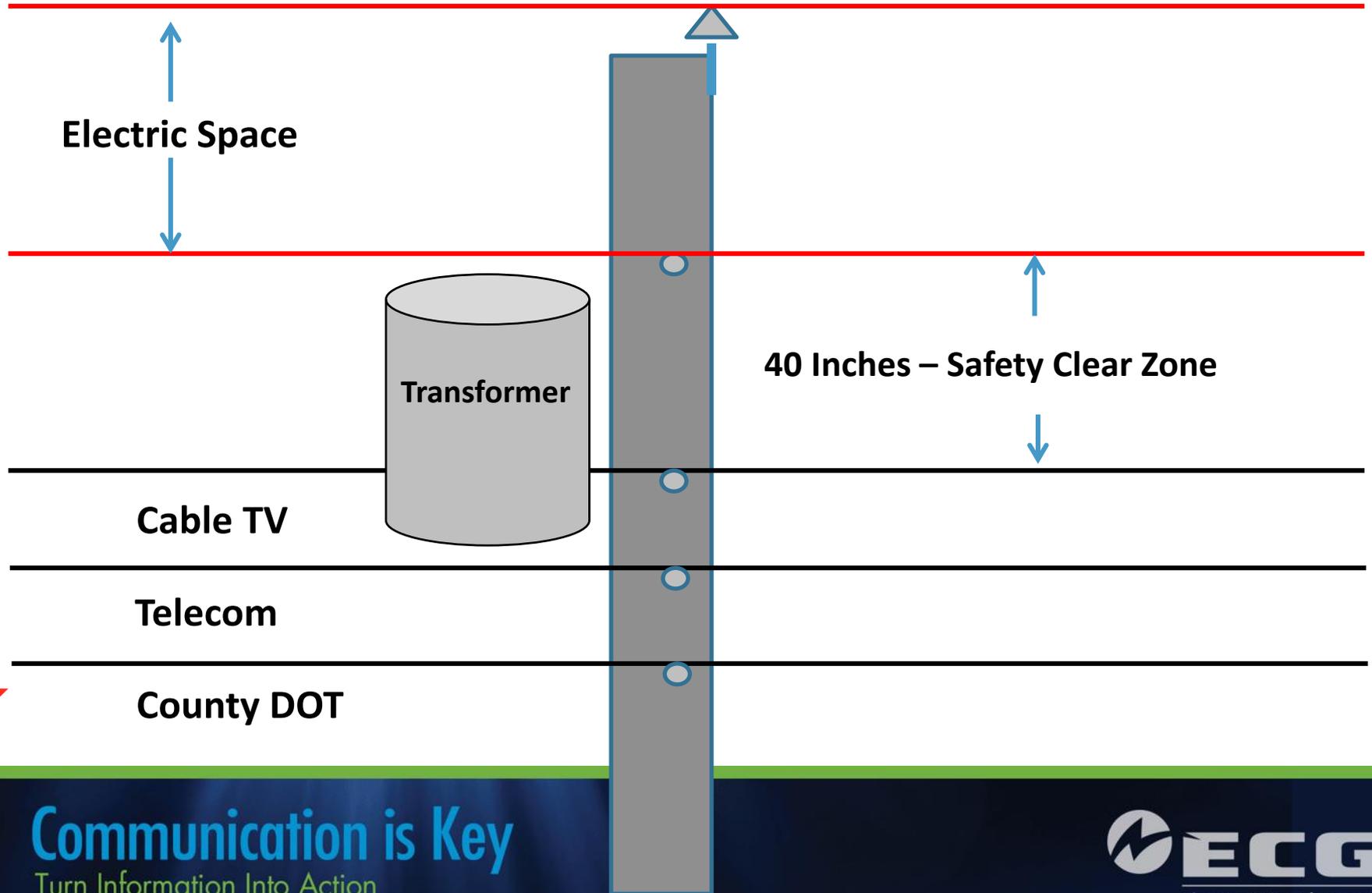
## Low Attachment Accessibility



**Electric utilities must have pole management autonomy to insure:**

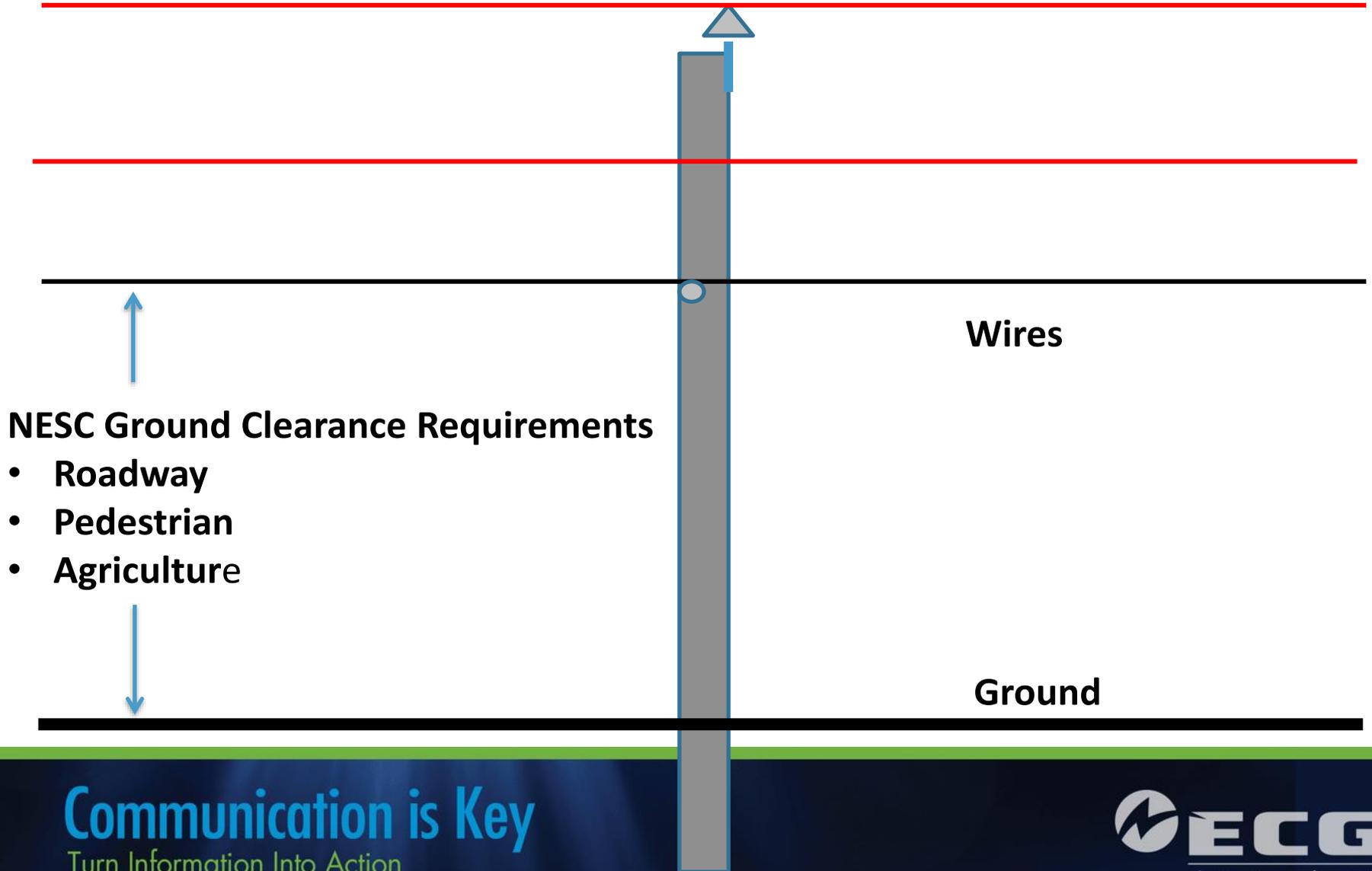
- Safety
- Reliability
- Collaboration by all parties

# National Electric Safety Code (NESC)



**Communication is Key**  
Turn Information Into Action

# National Electric Safety Code (NEESC)



**Communication is Key**  
Turn Information Into Action

# Pole Congestion – Top & Below



**West - Pole Base**



**East - Pole Base**



**Single Pole Top  
Gang Equipment**

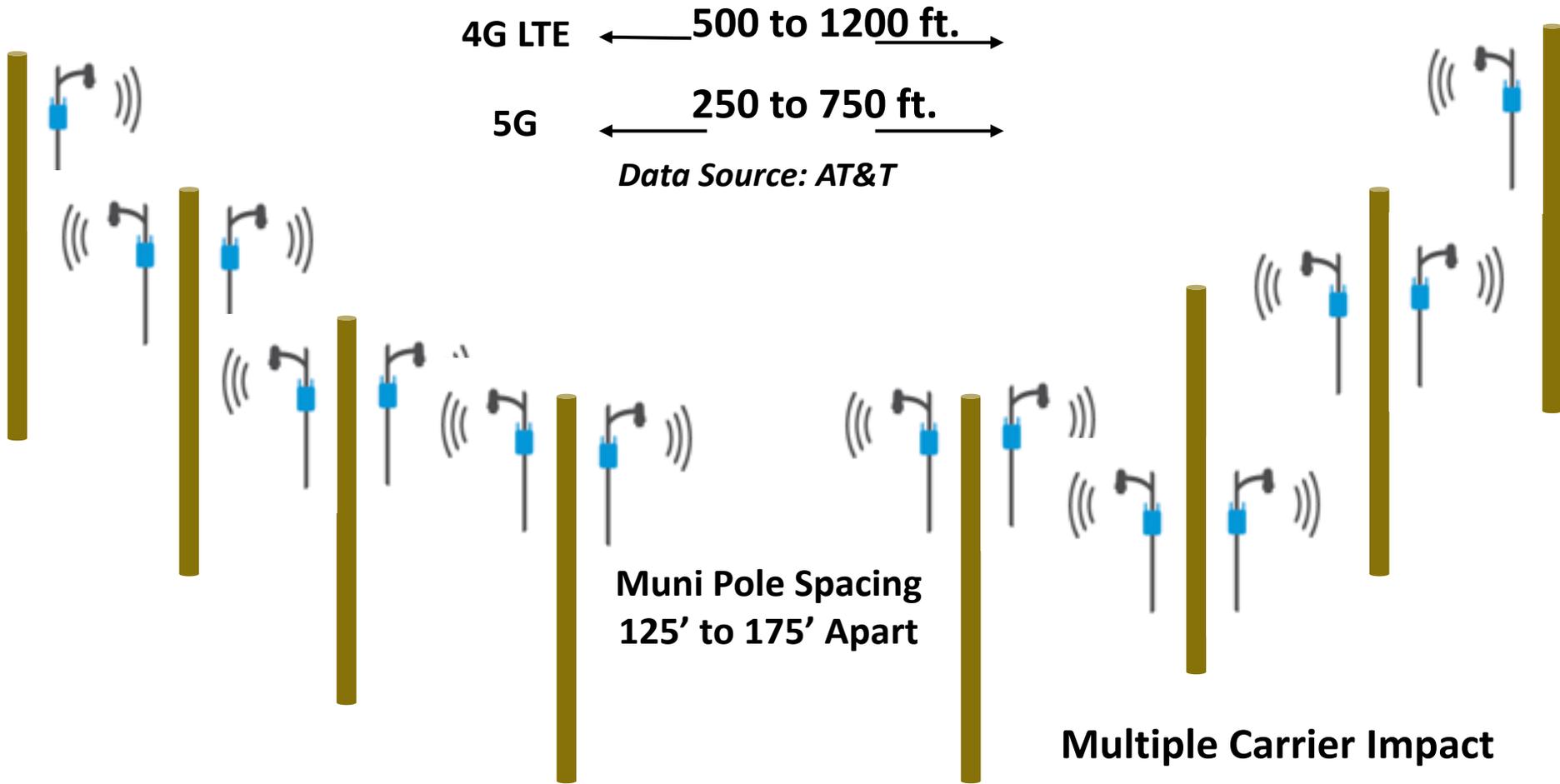


**North - Pole Base**



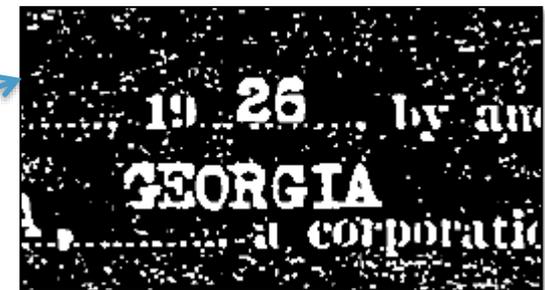
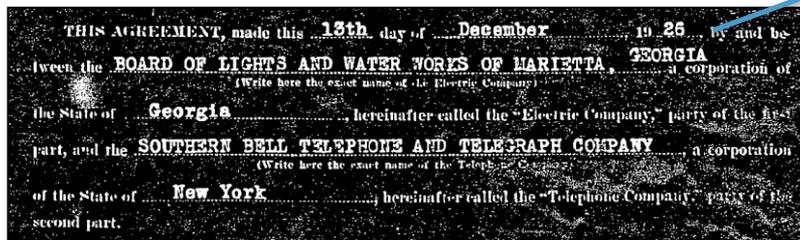
**South - Pole Base**

# Small Cell Spacing Requirements



# Our Members History

- Long history of working with carriers
- Created state-wide agreements in 2006
- Revisited in 2010
- Currently Working on Wireless Attachment Agreements with Carriers



# Poles – Electric Plant Assets

## Typical Municipal Electric Pole with a Cable Attachment:

Municipalities' local governments ensure the recuperation of pole costs.



## Municipalities set fair prices to share the electric poles that they are responsible to maintain:

Recover the fair and equitable cost to attach to a pole.



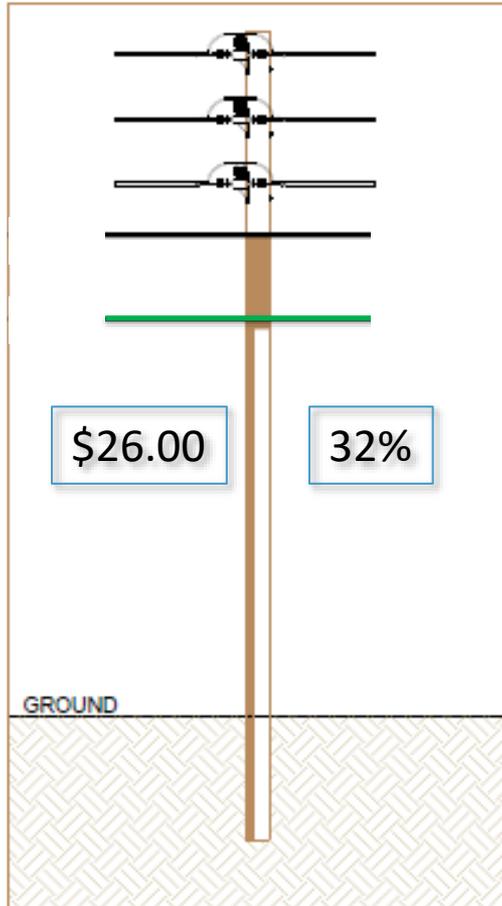
## The cost of the pole is greater than the one foot of space that an attachment occupies:

The Federal Communications Commission's calculations are reflected below.

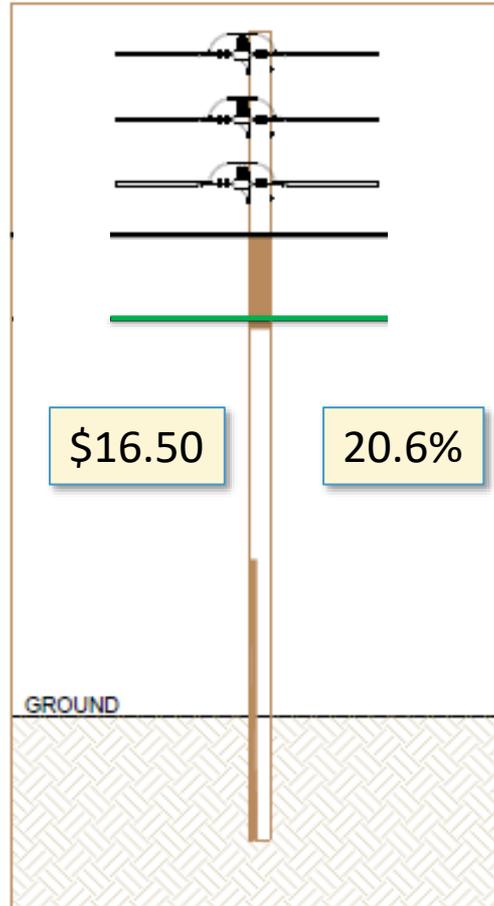


# Pole Attachment Rate

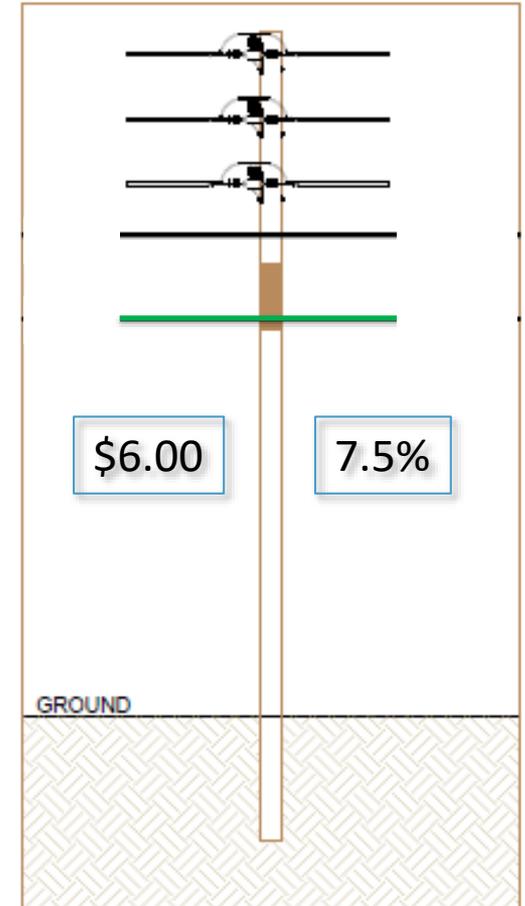
Municipal Cost Allocation



Current Negotiated Cost



FCC Cost Allocation



# ECG Statewide Model Collocation Agreements

- Current statewide model agreements
  - Telecom – AT&T, Windstream and others
  - Cable – Comcast, Mediacom, Charter and others
  - Crown Castle, Level 3, Zayo and others
- ECG – Current small cell agreement negotiations with AT&T and MCI

# Summary

- A Business to Business model is the answer
- Safety and operational reliability are paramount
- Electric utilities are motivated to negotiate with wired and wireless carriers
- Fees should be reasonable, cost based and nondiscriminatory
- No Legislation is Necessary

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# Thank You