WELCOME! While you wait...

ZOOM Logistics:

- All attendees are <u>muted</u>.
- At the bottom of your screen, choose "speaker view" as your viewing option.
- There will be a Q&A session following the presentation.

HOW to ask questions?

- Click "Q&A" button at the bottom of your screen.
- Type in your question.
- The moderator will read your question aloud.





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The energy behind public power

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Carl Rees

Senior Economic Developer ElectriCities of North Carolina



Richard Imel

Manager – Strategic Economic Development Dominion Energy



Bill Roberts

Senior Economic Development Manager Duke Energy

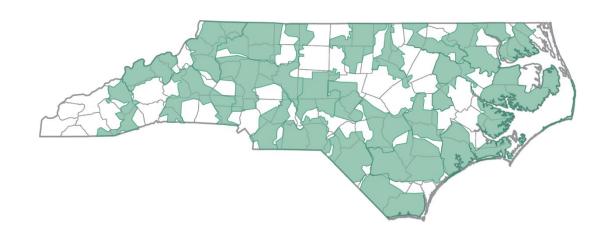


Utilities 101: Electric

NCEDA webinar series

Ryan Nance, Director of Economic Development November 10, 2020





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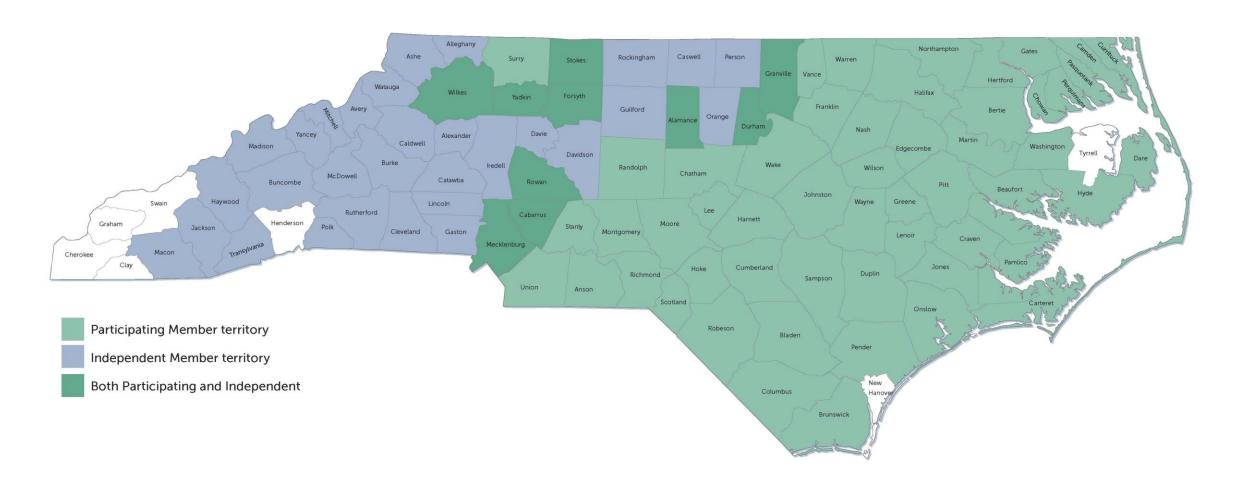
Counties we work in around the state of North Carolina

26

Distinct member-owned, notfor-profit cooperatives



Electric Cooperative Member Types



Economic Development Resources

- USDA Rural Economic Development Loans (REDLGs)
- Member loans for 20 participating co-ops
- Revolving loan funds
- Technology Infrastructure Loans
- Matching Grants Program
- Electric and broadband infrastructure
- In-kind work (e.g. short-notice site clearing)

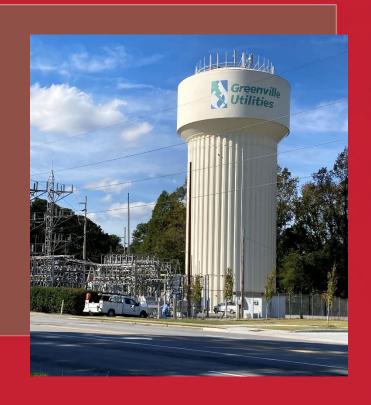
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ElectriCities of NC Programs & Services

Presented by: Carl Rees Senior Economic Developer





NC Public Power

- Over 70 public power cities and towns in NC
- NC Public Power services more than 1 million residential, commercial and industrial customers
- Organization:
 - ElectriCities of NC

- NCEMPA



- NCMPA1







NC Public Power

North Carolina Public Power Communities









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919-760-6315

Economic Development Staff





Economic Development Services

- Strategic target marketing
- Industrial recruitment
- Retail/commercial recruitment
- Rate analyses
- Economic development planning and advisory services
- Grant opportunities







Industrial Site Readiness





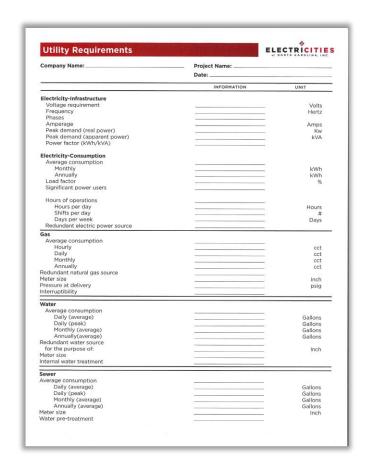
ElectriCities can help identify & certify sites





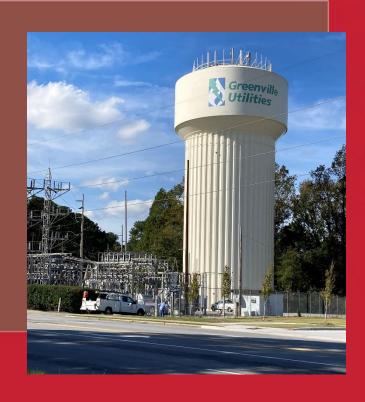
Understanding the Customer

- How much power?
- When do they use more/less?
- Dual feed?
- What types of equipment?
- How sensitive to outages?
- ★ Pro tip: Ask for electric bills from a similar facility if they have them.









ElectriCities of NC Programs & Services

For further information: crees @electricities.org (919) 760-6315





Dominion Energy



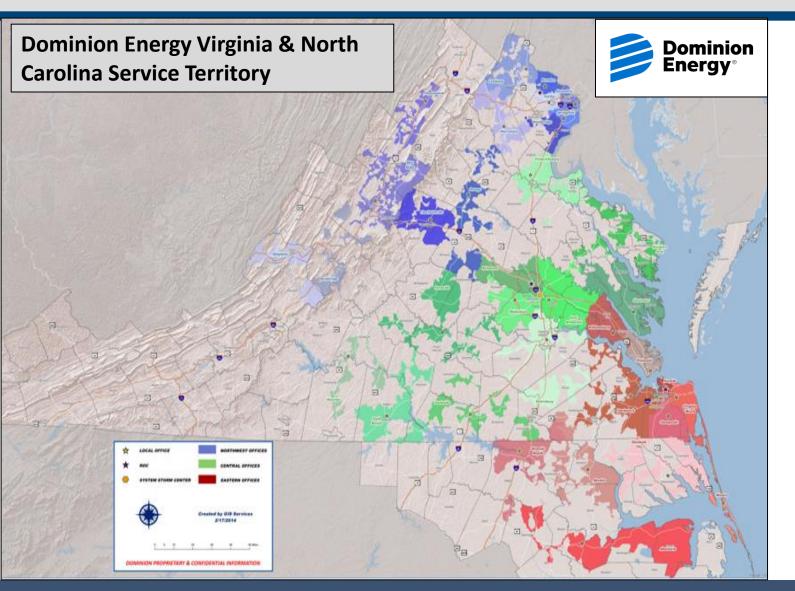
Dominion Energy Virginia/ North Carolina

- Electric Transmission
- 6,700 miles of transmission lines
- Electric Distribution
- 58,300 miles of distribution lines
- 2.6 million franchise retail customer accounts in VA & NC
- Utility Generation
- 19,900 MW of capacity
- Balanced, diverse fuel-mix



Virginia & North Carolina Service Territory





Service Area Locator – Helps to identify sites within our Virginia & North Carolina service territories.

Can be found using link below – https://economicdevelopment.do minionenergy.com/va/our-region/service-area-locator/

Economic Development Resources



- Rates
 - Curtailable Rates
 - Time of Use
 - Real Time Pricing
- Incentives
 - Rider EDR NC
 - Incentive to get customers to site or expand in our service area
 - 10% discount on load & energy usage for 48 months
- Site Selection Assistance
- Lead Generation

Economic Development Team



Stan Blackwell –
Director of Customer
Service
& Strategic Partnerships





Richard Imel –

Manager Strategic

Economic Development



Gizelle Siapno – Economic Development Market Specialist -Central VA, Southside VA



Bryan Smith – Economic Development Manager -Eastern VA, Shenandoah Valley VA, North Carolina



Blair Pritchard – Sr. Economic Development Market Specialist Northern VA







Stu Heishman

VP | Economic Development



Beth O'Shields Admin



John Geib Director | NC



Steve West Director | SC



Erin Schneider Director | IN



Marc Hoenstine Director | FL



Alan Jones
Director
Business Recruitment



Kathryn Young
Business Performance
Manager



Keith Gabriel Site Readiness

Bill Roberts, Donna Phillips, John Nelms, Tammy Whaley Craig Argo











Haley Tomlinson, Misty McCammack





Danielle Ruiz, Elizabeth Godwin





Jim McArthur, John Fremstad, Margaret O'Riley, Sarah Johnson







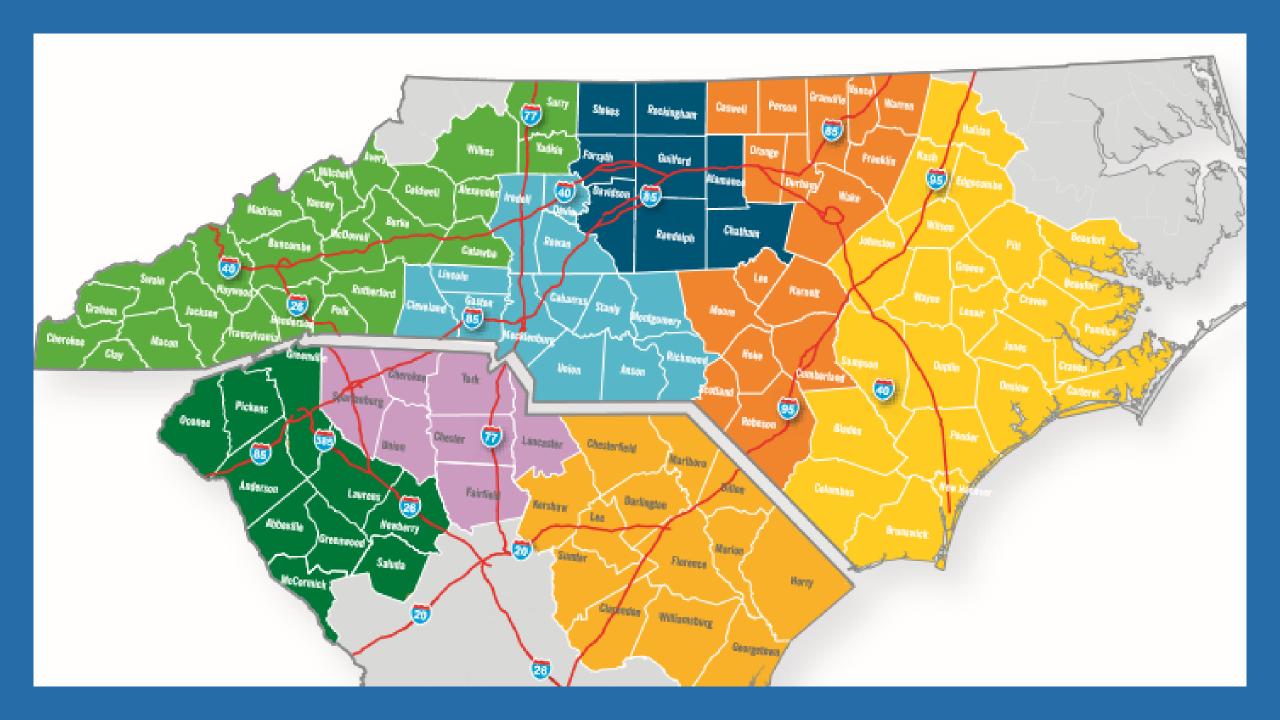


Ashlin Webster Kelsey Summey



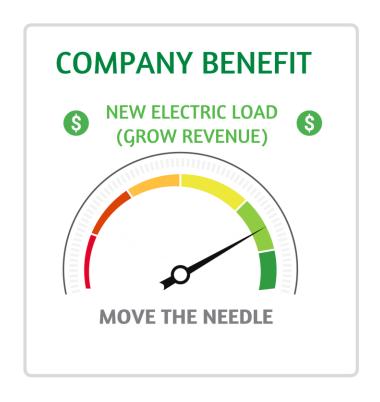






COMPANY AND COMMUNITY BENEFITS







2019 ENTERPRISE HIGHLIGHTS

\$7.1 billion in Capital Investment

15,500 New Jobs



Part I

Electricity 101

Duke Energy

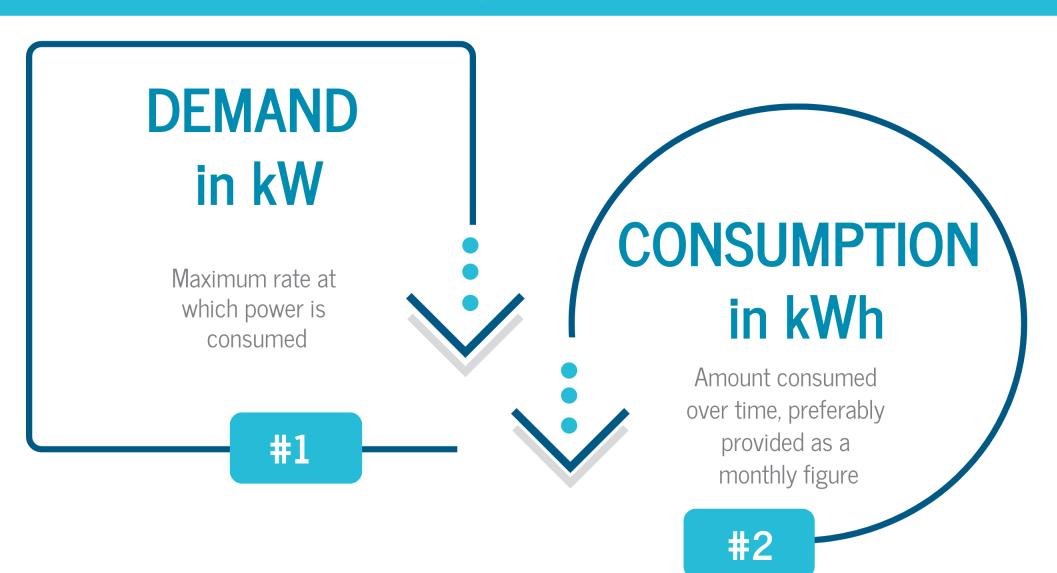




What an Electric Utility Needs to Know

[Early Insights]

In order to come up with an electrical cost estimate.





kW Demand

The average rate of energy consumption during a specific time period

(usually 15-30 minute intervals). Used in billing and cost calculations.

(Kilowatt= 1,000 Watts)

Large plant demand may be measured in Megawatts (mW = 1,000,000 Watts).







kWh Consumption

(Kilowatt-Hours)

Electric energy consumed over time

Used to calculate monthly bills

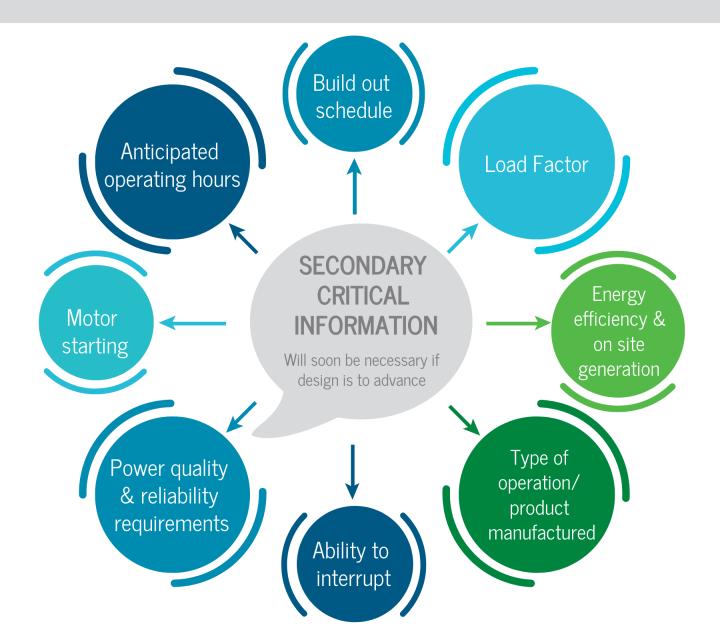






What an Electric Utility Needs to Know

[Later Stages]



Method of service is determined by several factors:

- Amount of electrical load
- Nature of electrical load
- Infrastructure available in proximity to a particular site
- Cost and practicality



Overview of Power Supply

Understanding the power system means you have a good idea where power comes from and how your end customer can benefit from the electric service at their new business location.

