

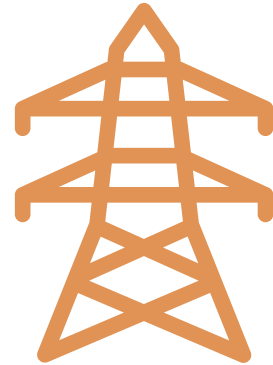
PROVIDE SUPERIOR POWER

Deliver Reliable, Affordable, and Sustainable Electric Power

Secure reliable, affordable, sustainable generation resources, environmentally friendly fuel supply, and reliable transmission

Traditional Generation Resources (Utility Scale)

- **Natural Gas**
- Nuclear
- Coal
- Hydro



Transmission Infrastructure

Renewable Generation Resources (Utility Scale)

- Hydro
- Solar
- Wind (On and Offshore)



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- **Grid Edge**

- IVVC(Integrated Volt/Var Control)
- Energy efficiency
- Rate designs that benefit load shaping

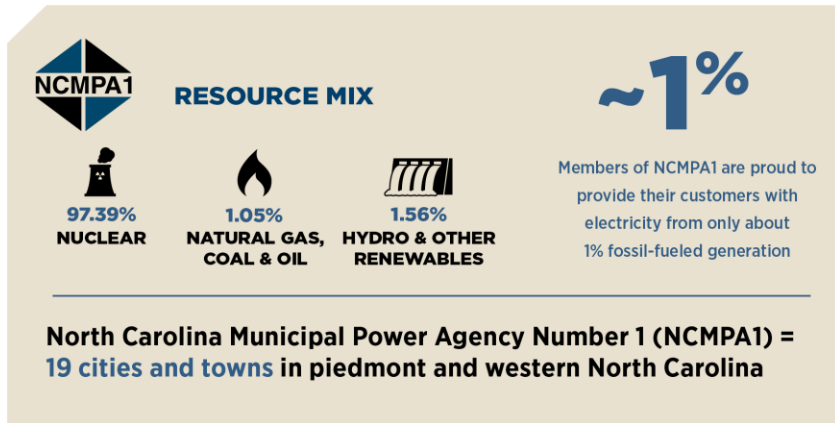
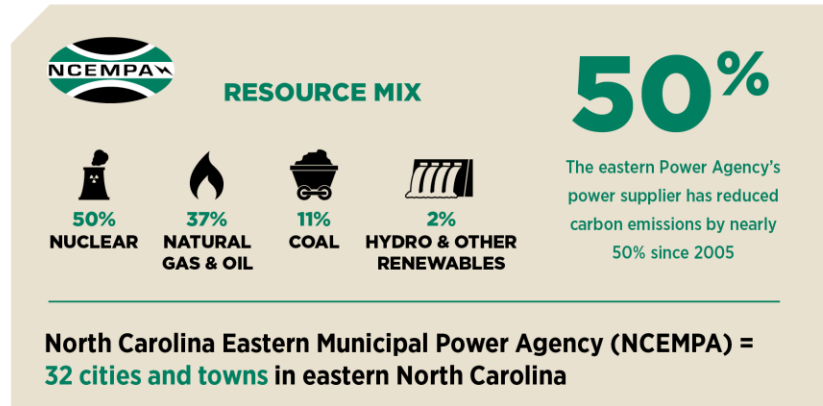
- **New Fuel Technologies**

- SMR (Small Modular Nuclear)
- Hydrogen

- **Distributed Energy Resources (Local to the load)**

- Solar
- Oil
- Natural Gas

A brief look at our Power Agencies' Energy Resource Mix



Is your power supply portfolio...

- Reliable?
- Cost Effective?
- Sustainable?
- Diversified?

NCEMPA

Manages a full-requirements purchased power contract with Duke Energy Progress.

NCMPA1

Manages its own resources and purchased power agreements.

Maintain leadership in providing reliable electric service

What does it mean to provide “reliable electric service”?

(hint) It’s no longer just about tracking power outages.



Maintain leadership in providing reliable electric service

Reliable electric service is about providing secure and resilient electric service and providing excellent customer service.

ECAC

D30

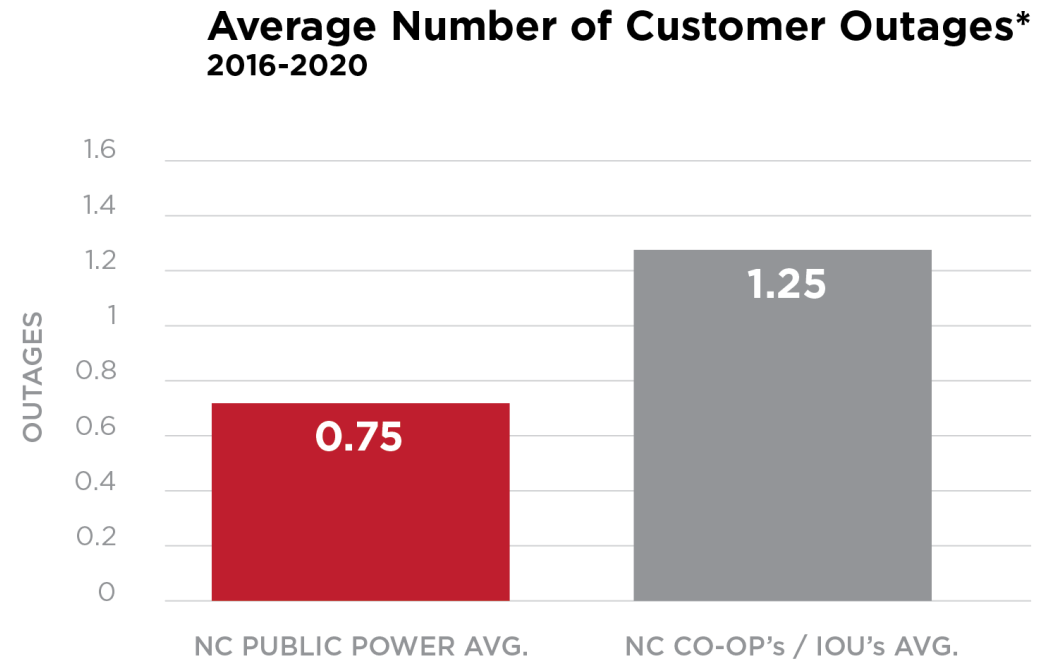
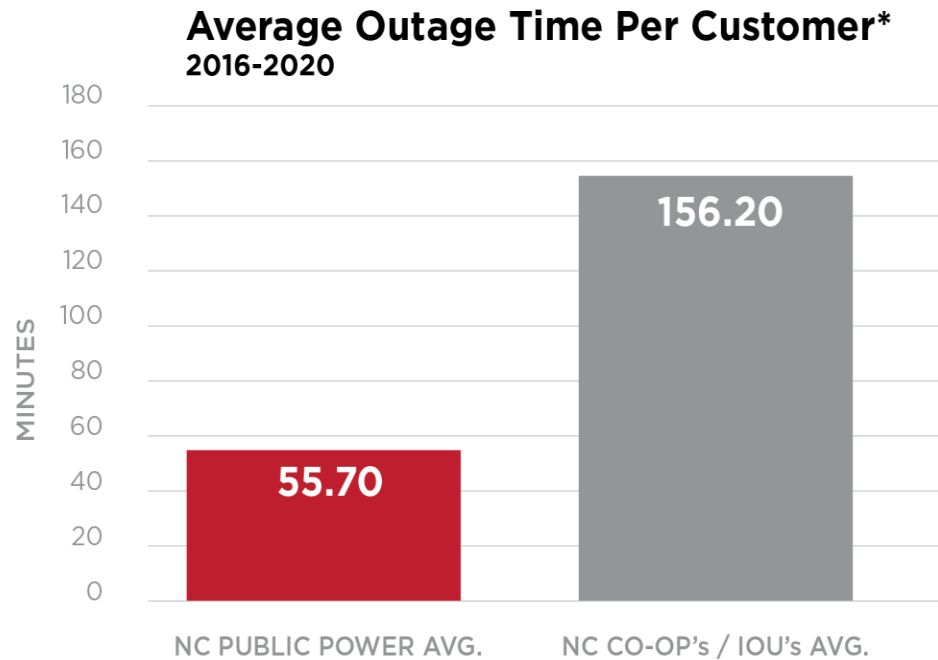


Do you have an Electric System Infrastructure Plan?

- Having policies and procedures that **promote a culture of safety** and **safely interconnecting distributed energy resources** and behind the meter technologies.
- Managing industry risks that will affect the reliability of the electric system.
- Investing in real time system monitoring at the delivery level and customer level.



Do you have an Electric System Infrastructure Plan?



Maintain affordable rates, practice fiscal responsibility, and capitalize on growth opportunities

- Wholesale Power Costs are the largest portion of your electric fund costs.
- **HOWEVER**, make sure you are investing in your local electric infrastructure & the people that support and operate the electric infrastructure.



Maintain affordable rates, practice fiscal responsibility, and capitalize on growth opportunities

- Develop strategy and policies to promote economic development, energy efficiency and grid edge resources.



Electric Enterprise Fund Rate Planning

How is your utility collecting its required revenue?

- Increased customer adoption of emerging technologies is driving the need for electric utilities to evolve their electric rates and policies.
 - Electric vehicles
 - Renewable generation (i.e., solar photovoltaic)
 - Battery energy storage



Electric Enterprise Fund Rate Planning

How is your utility collecting its required revenue?

- Historically, electric fund revenue has been collected from customers based on their kWh or energy usage.
- Complete annual Financial Projections and a Cost-of-Service Study every three years.



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- Maintain leadership in providing reliable electric service.
- Maintain affordable rates, practice fiscal responsibility, and capitalize on growth opportunities.