



Duke Energy's Integrated Resource Plan (IRP) Participation

City of Charlotte Office of Sustainability and Resilience



GOAL

GOAL: To share how an upcoming engagement opportunity with the NC Utilities Commission (NCUC) on Duke Energy Integrated Resource Plan will help Charlotte achieve its goals.



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WHAT IS DUKE'S IRP?

An IRP is a public plan that sets the long-term vision for resource procurement

- Utilities use IRPs to evaluate and communicate potential strategies for delivering reliable supply at the lowest system-wide cost typically over 10 to 20 years
- IRPs can address questions such as:



Whether to build new generation assets,



Purchase energy from other generators, or



Invest in energy efficiency and demand-response programs to reduce projected demand

In short, Duke's IRP is how they plan to generate energy for years to come and directly affects Charlotte's ability to meet 2030 and 2050 SEAP goals



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WHY PARTICIPATE?

- ✓ Influence and/or improve Duke Energy's resource planning outcomes to **accelerate renewable energy** and retiring fossil fuel generation
- ✓ Achieve *community priorities* (e.g. equity: public health (air quality), address **low-income energy burdened households**)
- ✓ Reinforce our **public commitment to climate and equity** goals
- ✓ **Strengthen relationships** with Duke Energy, regulators (Utilities Commission), and others
- ✓ Spur **additional collaboration** among stakeholders
- ✓ Increase Charlotte's awareness of Duke Energy's/Utilities commission's work so we can **seize opportunities**

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4



FROM THE SEAP

*There is potential for the cities of North Carolina to come together with Duke and others to **provide signals to the North Carolina Utilities Commission** of their combined **desire to lower the carbon intensity of electricity production.***

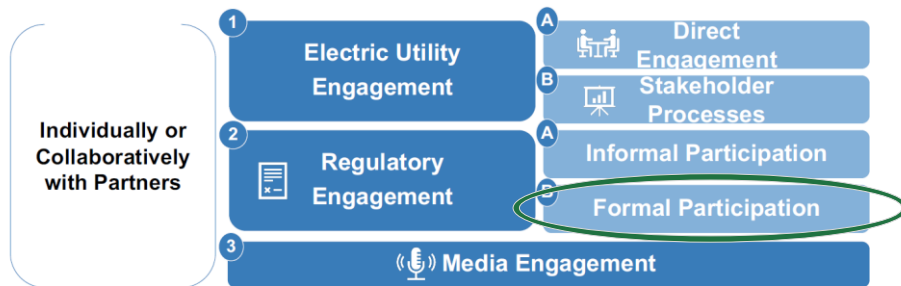
*Reduce the Carbon Intensity of Grid Supplied Electricity by at Least 90% by 2045: The requirement to get to 2tCO2e per capita by 2050 requires that the majority of energy consumption is low carbon... The development of this future needs to be developed... **in strong alignment with Duke Energy, the commission, further partners, and other cities.***

*Tariffs for different customer types and level of renewable integration: Structures and agreements to **introduce new tariffs** could be negotiated between Duke, other cities, and the North Carolina Utilities Commission (NCUC). These have **a direct impact on emissions calculations**, but should not be used to bypass local energy reduction and production opportunities.*



WHAT IS IRP INTERVENTION?

IRP engagement generally occurs through three pathways*



*These pathways are not mutually exclusive!



WHY FORMAL PARTICIPATION?

- Regulators make decisions based on information submitted to the official record (formal intervention is the technical term for formal participation)

*There are various examples of NC Utility Commission engagement from other local governments as well as private companies.



WHAT WILL OUR COMMENTS INCLUDE?

All of the these will advance SEAP goals

More renewables

Reduction of energy burden

Increased Programs for electric vehicles

Coal retirement

Increased efficiency



Sustainability and Climate Challenge staff has been working with the NC Climate Collaborative through the Climate Challenge; and a group of NC local govts and the Rocky Mt. Institute to identify key issues



WHAT'S NEXT?

- City Attorney's office will file petition; City staff will finalize comments in alignment with Council adopted SEAP to submit by Feb 26.

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QUESTIONS?