



UTILITIES 101: ENERGIZING NORTH CAROLINA WEBINAR

ADDITIONAL PANEL Q&A

Are you hearing power generation mix as being an important question of late? If so, how do you answer it?

Answers:

- Every project asks this question in the RFI and its importance varies with each client. The role of Economic Development will be to listen to the needs of each client and tailor the energy solution to match their evolving requirements. The electric utility will also play a leading role by delivering green energy at rates that make it competitive in all markets.
- This question does come up fairly frequently & the bigger the power user the more likely it is to come up as a question that needs answering. These questions are often tied back to corporate sustainability goals with a very strong focus on renewables.

Okay, as we make it through this pandemic, and look ahead to the next few years, what trends or innovations do you see emerging, and/or new opportunities to prepare for?

Answers:

- NC and Duke Energy are national leaders in solar energy development. With our goal of net-zero carbon emissions by 2050, investments in wind and solar generation will continue. Duke Energy Renewables owns and operates about 2,800 megawatts of renewable generation in more than a dozen states throughout the US.

EV deployment will continue to increase with emphasis on fleets, buses, and off-road applications (think lifting and towing vehicles). Battery storage, microgrids, and distributed generation are all being implemented and studied by Duke Energy. North Carolina's largest battery system is now operating at a Duke Energy substation in Asheville. <https://news.duke-energy.com/releases/north-carolinas-largest-battery-system-now-operating-at-duke-energy-substation>
- The Northern Virginia Data Center market is the largest in the world and Dominion Energy currently provides over 1,700 MW of energy to this market. Since the pandemic hit us back in March we have seen a large increase in data center requests as well as an increase in projected ramp up times. Most of the activity is centered around the greater Northern Virginia area. We have had several discussions with data center customers about looking into more rural locations where power availability and land are more abundant but as an overall industry we see a reluctance for data centers to site outside of the greater Northern Virginia area.