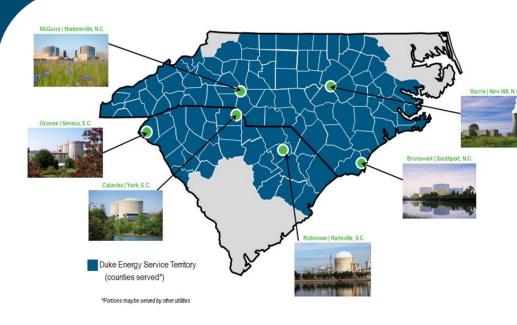


Duke Energy Nuclear Generation

Preston Gillespie, Senior Vice President and Chief Nuclear Officer Joint Legislative Commission on Energy Policy Briefing – April 3, 2018



Duke Energy Nuclear Fleet



Station	Capacity (MW)	Units	Commercial Operation	License Extension
Oconee	2,554	3 PWRs	1973	2033, 2034
Catawba*	2,310	2 PWRs	1985	2043
McGuire	2,316	2 PWRs	1981	2041, 2043
Brunswick	1,870	2 BWRs	1975	2034, 2036
Harris	928	1 PWR	1987	2046
Robinson	741	1 PWR	1971	2030
Total	10,719	11		

Catawba is jointly owned by North Carolina Municipal Power Agency Number One, North Carolina Electric Membership Corporation, Piedmont Municipal Power Agency and Duke Energy







Partners with Local Communities





DONATED 10,000 **BOTTLES OF WATER**

TO AID IN HURRICANE MATTHEW RELIEF EFFORTS.

DONATED ____

\$5,000 DOLLARS AND 583 BIKES DURING THE HOLIDAYS.





ABOUT NUCLEAR ENERGY.



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92,096 2 2















Nuclear Energy Facts



CLEAN ENERGY

Provide more than 60% of U.S. carbon-free generation



CONSISTENT BASELOAD GENERATION

Nuclear units run 24/7, over 90% of time

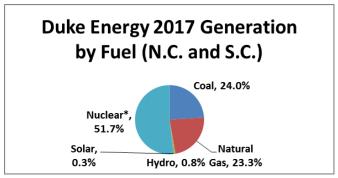


LOCAL ECONOMIC CONTRIBUTOR

Employ thousands;
Provide payroll & property taxes

2017 Duke Energy Nuclear Fleet Performance

- Capacity factor = 95.6%
 - 19th consecutive year with capacity factor > 90%
- Provided 52%* of Duke Energy's generation in the Carolinas
- Prevented carbon dioxide emissions equal to keeping 17 million cars off the road
- Employed about 6,300 at Carolinas nuclear stations
- Paid more than \$322 million in property and payroll taxes
 - N.C. nuclear payroll = \$165 million
 - N.C. nuclear property = \$20 million



*Adjusted for Catawba ownership



^{*}Adjusted for Catawba ownership

2017 North Carolina Plant Superlatives

- Brunswick Nuclear Plant
 - Unit 2 achieved a 712-day record operating run



- Harris Nuclear Plant
 - Generated record annual generation of 8 billion kilowatt-hours



- McGuire Nuclear Station
 - Unit 1 completed a 524-day record operating run
 - Both units attained their shortest refueling outages units
 - Continues as the longest running exemplary plant in U.S.



Used Nuclear Fuel – Safe and Secure







Shared Values

- Nuclear energy is a sustained success story for the Carolinas providing carbon-free, safe, reliable electricity that customers depend on every day
- We recognize it is a privilege, not a right, to operate in our local communities
- Our teams are both proud and passionate about their work
- We strive to be good corporate citizens our employees are honored to be part of many service and volunteer efforts in their communities
- This is the common space where our obligation to serve our customers perfectly aligns with your obligation to serve the public



