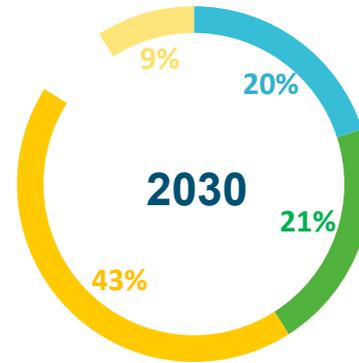




Our Energy Future

Jason Walls, District Manager – Asheville Area





Mixing it up

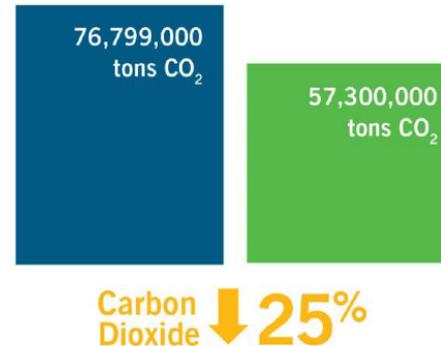
A more diverse fuel mix across our fleet – nuclear, natural gas, coal and renewables – helps us meet our obligation to provide affordable, reliable and increasingly clean electricity.



Investing in our air quality

Duke Energy's emissions of carbon dioxide, sulfur dioxide and nitrogen oxides in the Carolinas have plummeted since 2005 as a result of our plant modernization efforts. We have invested approximately \$3 billion in North Carolina since 2000 to improve air quality from our coal-fired plants.

■ 2005 ■ 2014



the EVOLUTION of ENERGY

NEXT 25 YEARS

First power plants



1890 – 1920s

Cities and homes lit by electricity

Electric appliances becoming commonplace

More reliable service

Nuclear and hydro scale up



1950s

Rates remain stable, cleaner air

More efficient plants built

Scrubber technology to reduce emissions introduced



1970s – 1980s

Natural gas shortage contributed to higher energy prices

Greater awareness of energy conservation measures

Installation of scrubbers on some older units

Increase in renewables (wind and solar)

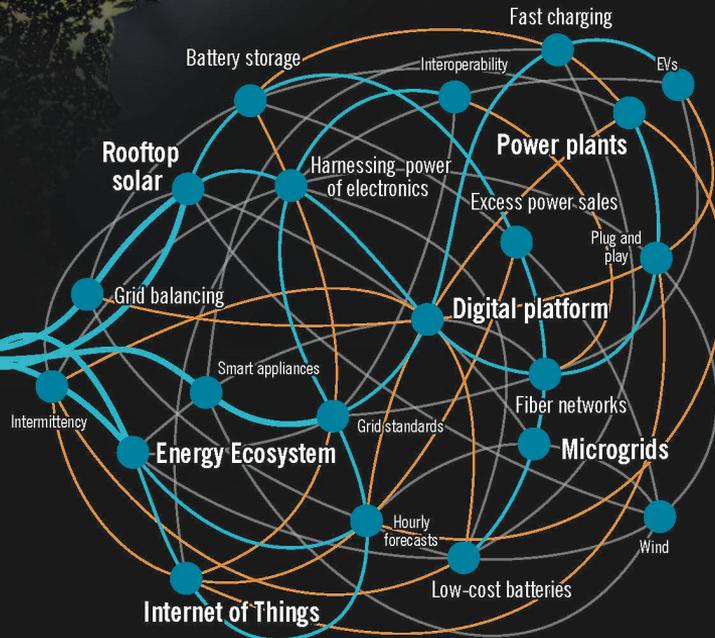
Increase in natural gas combined-cycle generation



2000s – present

Environmental stewardship and energy conservation became mainstream

Reduction in air emissions: sulfur dioxide about 90%; nitrogen oxides about 80%



The Role of the Energy Innovation Task Force – Why is Duke Energy Involved?

