

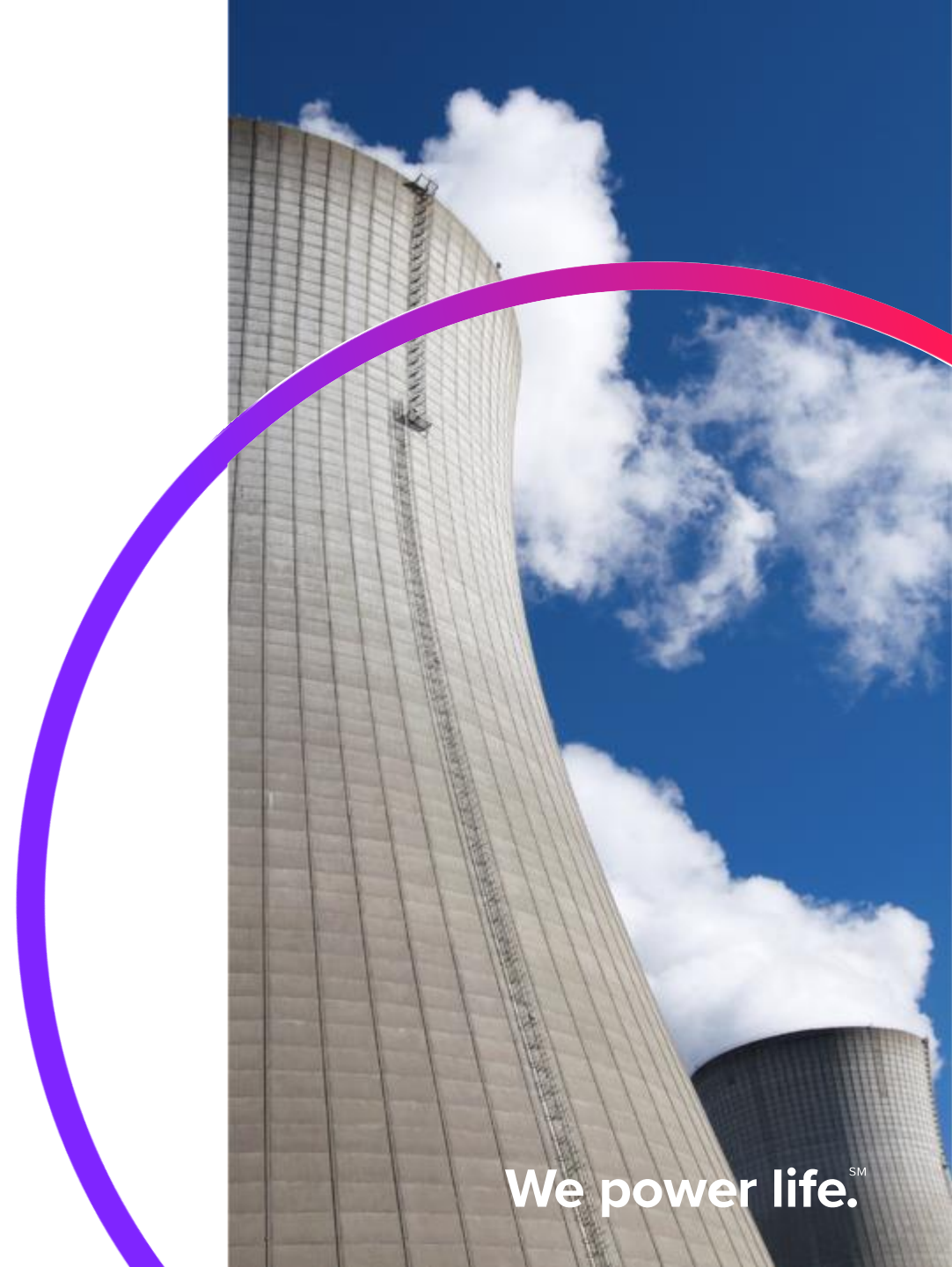


January 18, 2023

Entergy's Energy Future

Kimberly Cook-Nelson

Executive Vice President & Chief Nuclear Officer



We power life.SM

Entergy Nuclear

NUCLEAR FACT SHEET



- Entergy Arkansas
- Entergy Louisiana
- Entergy Mississippi
- Entergy New Orleans
- Entergy Texas



KIMBERLY COOK-NELSON
Executive Vice President
Nuclear Operations &
Chief Nuclear Officer

Entergy is an integrated energy company engaged in electric power production, transmission and retail distribution operations.

- * Entergy Nuclear has approximately 4,000 team members in multiple states
- * Nuclear is clean, carbon-free energy
- * Entergy Nuclear provides safe, secure reliable energy 24/7/365

Entergy Nuclear owns, operates and supports a fleet of five reactors in four locations, generating enough clean, carbon-free electricity to power millions of homes.

Entergy is more than just a fleet of nuclear power plants. We are a company dedicated to becoming the premier utility while improving the lives of our customers, our communities and the environment in which we live and work.

With nuclear power, we can help solve the challenge of climate change and meeting the growing demands of our nation's energy needs.

enterygnuclear.com
twitter.com/EntergyNuclear



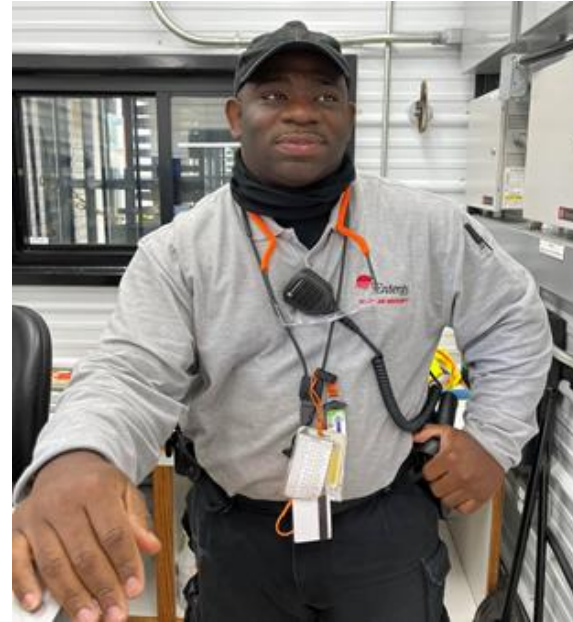
JOHN ONELLI
Chief Operating Officer
Nuclear Operations



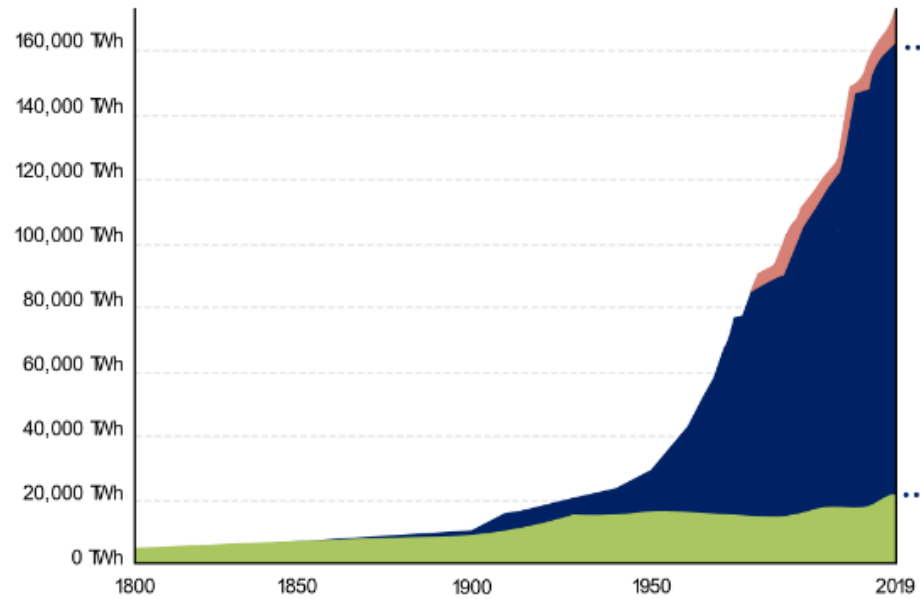
DAVID MANN
Senior VP Engineering &
Technical Services





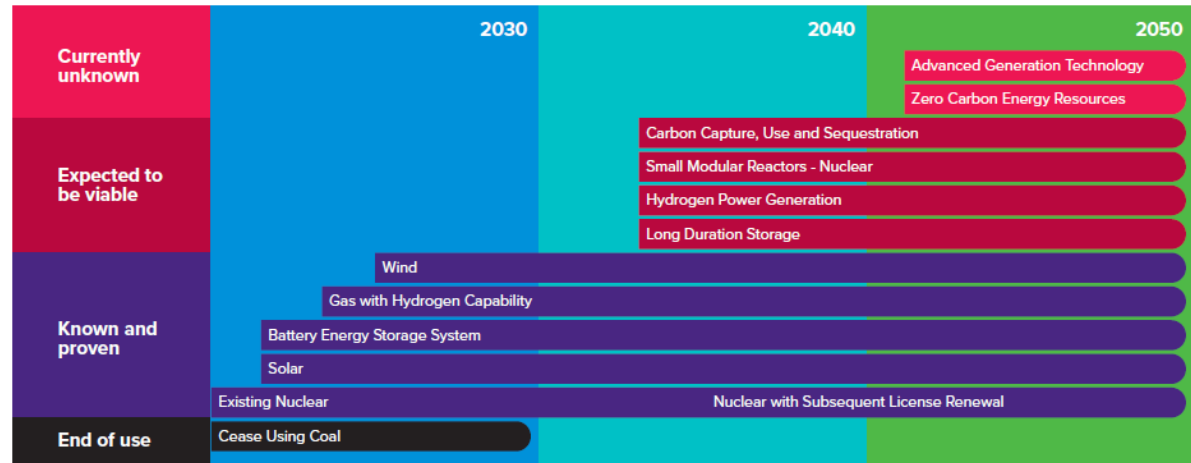



Net Zero – Opportunity



Need to understand how to replace fossil fuels

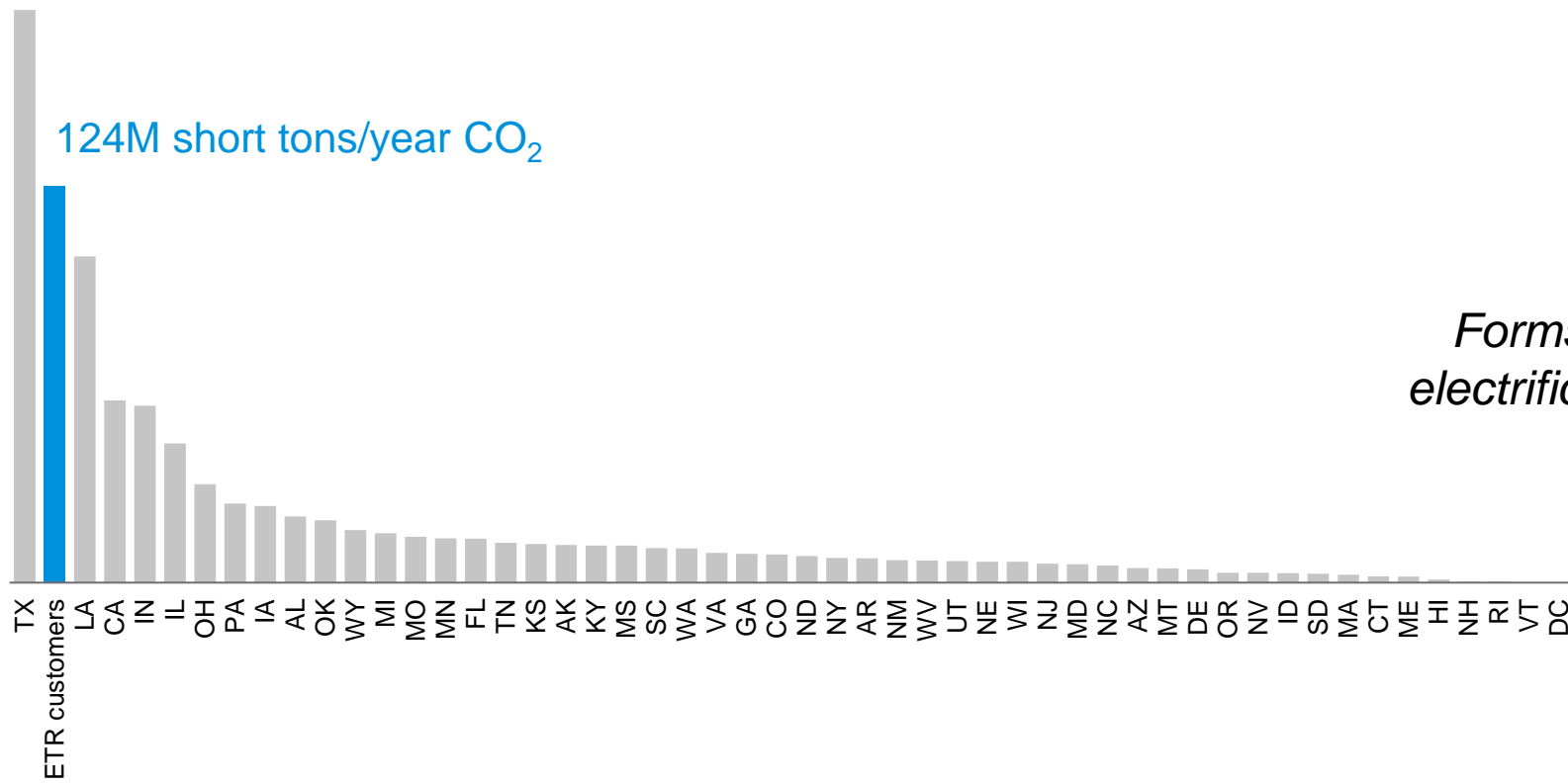
- Renewables (Solar, Wind, Hydro, Biomass, Other)
- Nuclear
- Fossils Fuels (Oil, Gas, Coal)



Utilities are critical to industrial decarbonization








Entergy has significant “rate of change” potential

Industrial scope 1 emissions by state
2020 annual tons of CO₂ (millions)



U.S. Environmental Protection Agency Green House Gas Reporting Program

How industrials can meet their goals

-  Process improvements
-  Energy efficiency
-  Industrial electrification
-  Fleet EVs
-  Cogen conversion
-  Carbon capture utilization and storage
-  Green H₂

Forms of electrification

Climate Impacts – Resilience vital for customers

The Future is **On**



Reduce future restoration costs

Storms increasing in frequency and intensity



Reduce post-storm outage duration

Customers' placing increased value on reliable service



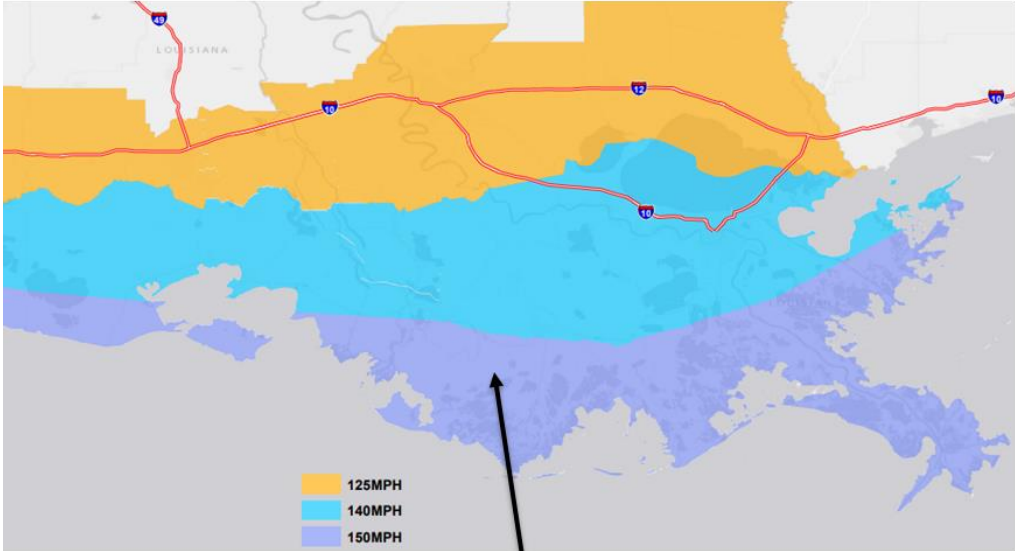
Provide foundation for electrification

Customer confidence to invest in expansion and electrification

“ All new ideas begin in
a non-conforming
mind that questions
some tenet of the
conventional wisdom. ”

Admiral Hyman G. Rickover

Climate Impacts – What has changed?



Updated wind zones



New material

Updated standards



Opportunities Abound

Existing and New Nuclear

- **Subsequent license extensions**
- **New nuclear**
- **Complete unfinished units**
- **Inflation Reduction Act**
 - Nuclear production tax credit for existing plants
 - Technology-neutral tax credits for advanced nuclear and small modular reactors

