



## Entergy's Environmental Outlook

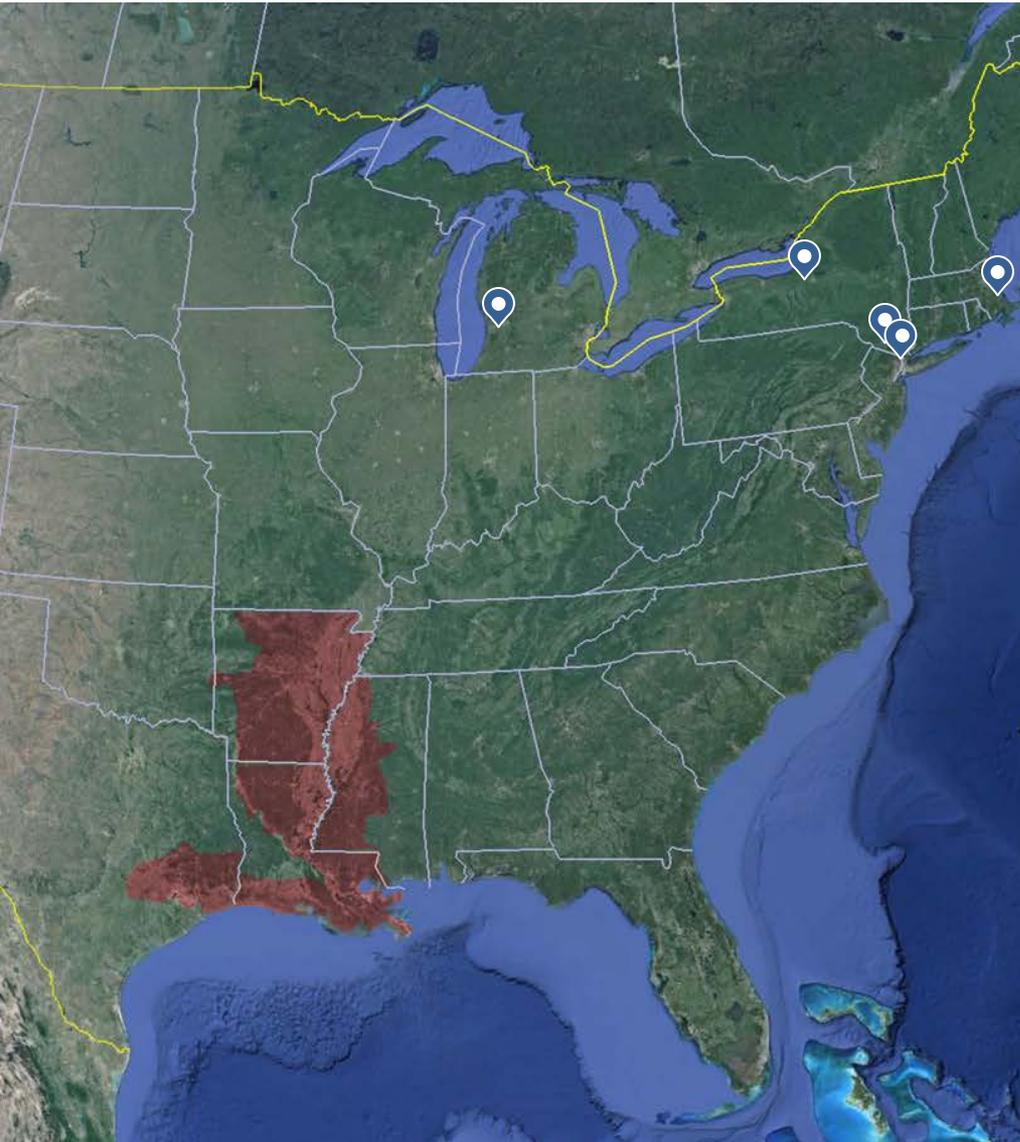
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**Air and Waste Management Association  
Southern Section  
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WE POWER LIFE<sup>SM</sup>



# Entergy's Scope of Operations



## Entergy's Businesses

- ~ \$11 billion in revenues
- More than 13,000 employees

## Utility – *A traditional regulated utility*

- 5 electric utilities in 4 contiguous states
- 2.8 million utility customers
- 21,000 MW generating capacity
- 15,500 miles of transmission lines

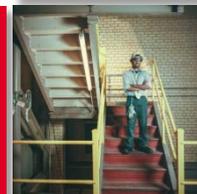
## EWC – *A primarily nuclear commodity-sensitive wholesale power generation business*

📍 EWC operating nuclear units<sup>1</sup>

<sup>1</sup> Includes FitzPatrick (shutdown planned for Jan. 27, 2017) and Pilgrim (to close by June 1, 2019); does not include Vermont Yankee which transitioned to a SAFSTOR organization at the end of 2014

## Entergy's Varied Environmental Regulatory Setting

- We own a variety of *types of units*, including nuclear, combined-cycle gas turbines (CCGT), gas steam turbines, gas simple-cycle combustion turbines (CTs), coal, hydro, and wind.
  - Variation in regulation, standards, rule applicability
  - Variation in emissions
  - Variation in the impact of environmental regulations on operations
- We operate businesses *in both traditional rate-regulated areas (AR, LA, MS, non-ERCOT TX) and in restructured wholesale markets*. This difference often is important to assessing how a new regulation impacts a unit's operations.
- Our rate-regulated utility business operates within the *Midcontinent Independent System Operator (MISO)* regional transmission organization. Participation in MISO's markets creates certain capacity, reserve margin, and dispatch considerations.



## Entergy's Environmental Vision Statement

- Adopted by our Board of Directors in 2002, Entergy's Environmental Vision Statement details our commitment to ***operate our business in ways that preserve and protect our environment***. Along with our aspirations, the statement guides our business policies and decisions.
- The statement establishes the following commitments in the areas of *sustainable development, performance excellence, and environmental advocacy*.



# Entergy's Environmental Commitment

## #1 - SUSTAINABLE DEVELOPMENT

### We will:

- Develop and conduct business in a responsible manner that is environmentally, socially, and economically sustainable.
- Promote environmentally cleaner and more efficient generation, transmission, distribution, and use of energy.
- Encourage employees to conduct their personal and corporate lives in such a way that Earth's environment is preserved for future generations.



# Entergy's Environmental Commitment

## #2 - PERFORMANCE EXCELLENCE

### We will:

- Meet, but preferably exceed, environmental legal requirements, conforming to the spirit as well as the letter of the law.
- Understand, minimize, and responsibly manage the environmental impacts and risks of our operations, setting goals that reflect continuous improvement.
- Be a good steward of the land that we own and the wildlife and natural resources that are in our care. Communicate our commitment to the policy internally and provide the resources, training, and incentives to carry it out.
- Track and publicly report our environmental performance using best practice reporting guidelines.



# Entergy's Environmental Commitment

## #3 - ENVIRONMENTAL ADVOCACY

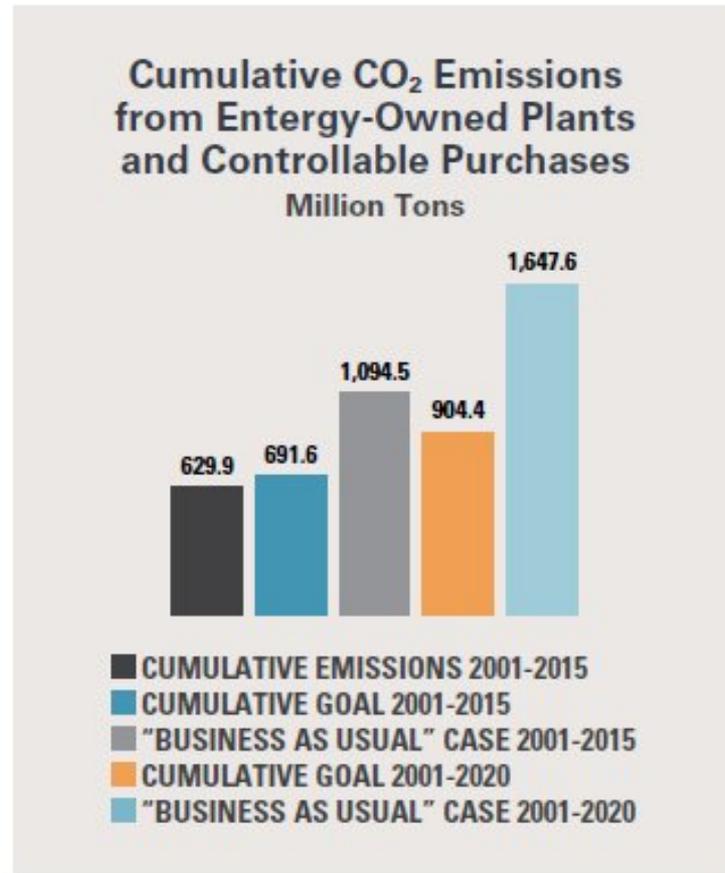
### We will:

- Inform employees, customers, shareholders, and the public on matters important to the environment.
- Maintain a constructive dialogue with government agencies and public officials, communities, environmental groups, and other external organizations on environmental issues.
- Lead by example, demonstrating responsible environmental behavior everywhere we serve and supporting public policy that contributes to an ever-improving global and local environment.



# Entergy's Greenhouse Gas Emissions Goal

- Entergy's current goal is to maintain CO<sub>2</sub> emissions from Entergy-owned power plants and controllable power purchases through 2020 at 20% below year-2000 levels.
- Through year-end 2015, our cumulative emissions from 2001 were 9% below our cumulative 2001-2015 target.



# Entergy's Climate Governance and Transparency

- Entergy conducts an annual GHG emissions audit that is verified by ICF and made publicly available.
- Entergy was named to the Dow Jones Sustainability Indices North America Index in 2016, our 15<sup>th</sup> consecutive year to appear on the World or North America Index or both. We earned top scores in climate strategy, biodiversity, and water management areas.
- In 2015, Entergy was the only U.S. utility named to the CDP's (formerly Carbon Disclosure Project's) world A-list.



# Entergy Actively Engages With EPA, Other Federal Agencies, and the States on Policy and Rulemaking Issues

- Air
  - Clean Power Plan/Section 111(d)/Section 111(b)
  - Regional Haze
  - Non-Attainment Areas (Ozone, NO<sub>x</sub>, SO<sub>2</sub>, PM)
  - Cross-State Air Pollution Rule (CSAPR)
  - Mercury and Air Toxics Standards (MATS)
- Water
  - Effluent Limitation Guidelines
  - Cooling Water Intake Structures (316(b))
  - “Waters of the U.S.” definition
  - Reissuance of wetland Nationwide General Permits
- Waste
  - Coal Combustion Residuals Management
  - TSCA/PCB Management Reform
- Species
  - Threatened/Endangered Listings and Expansion of Critical Habitat Designations



# Conclusion

- It's been a very busy 7½ years.
- Entergy makes decisions on what position it will take regarding environmental policies and regulations by taking into consideration its four stakeholder groups:
  - Customers
  - Owners
  - Employees
  - Communities
- Entergy considers these issues in the context of a multi-state fleet of various technologies, operating in various market and regulatory structures.

