



SUSTAINABLE FUTURE



AEP's CO₂ Emission Reduction Goals

INTERMEDIATE GOAL:

60% reduction
from 2000 CO₂
emission levels
by **2030**

LONG-TERM GOAL:

80% reduction
from 2000 CO₂
emission levels
by **2050**

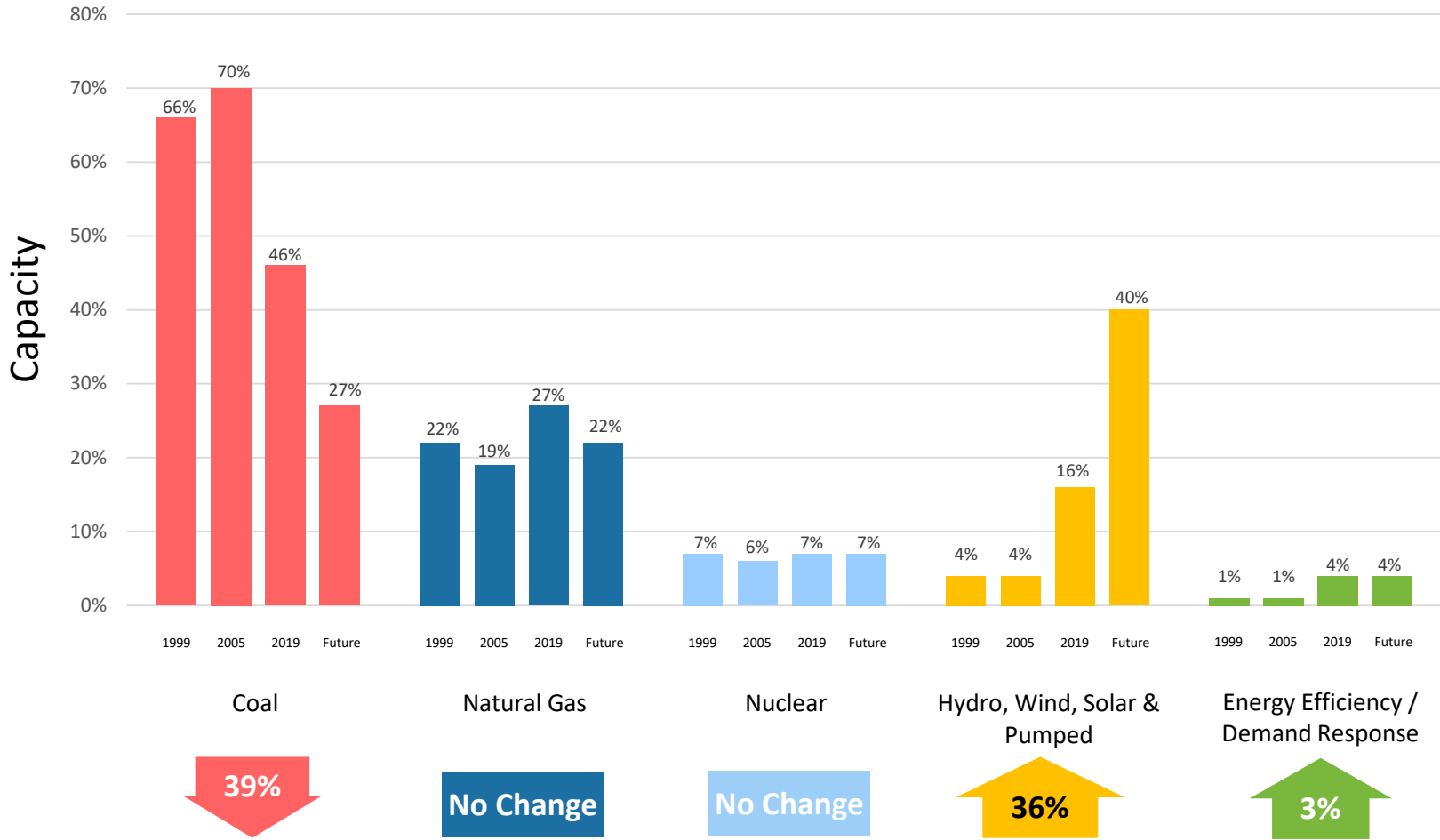
Strategy to Achieve:

- ❑ Investments in renewable energy within and outside of our traditional service territory
- ❑ Technology deployment (e.g., energy storage)
- ❑ Modernization of the grid with significant investments in transmission & distribution
- ❑ Increased use of natural gas
- ❑ Optimization of our existing generating fleet

Environmental, Social & Governance (ESG) Reporting:

- AEP's Corporate Accountability Report
- Clean Energy Strategy: American Electric Power: Strategic Vision for a Clean Energy Future
- EEI ESG Sustainability Reporting: AEP's 2018 EEI ESG Report
- AEP's CDP Survey Responses
- AEP's GRI Report
- AEP also responds to investor-related surveys, including MSCI and Sustainalytics

Transforming Our Generation Fleet



2019 includes expected capacity as of yearend 2019. Future includes IRP forecasted additions and retirements through 2030. Energy Efficiency / Demand Response represents avoided capacity rather than physical assets.

Delivering Clean Energy Resources

AEP's Expected Yearend 2019 Renewable Portfolio, in MW

Hydro, Wind, Solar & Pumped Storage	Owned MW	PPA MW	Total MW
AEP Ohio		209	209
Appalachian Power Company	785	575	1,360
Indiana Michigan Power Company	36	450	486
Public Service Company of Oklahoma		1,137	1,137
Southwestern Electric Power Company		469	469
Competitive Wind, Solar & Hydro	1,436	175	1,611
Total	2,257	3,015	5,272

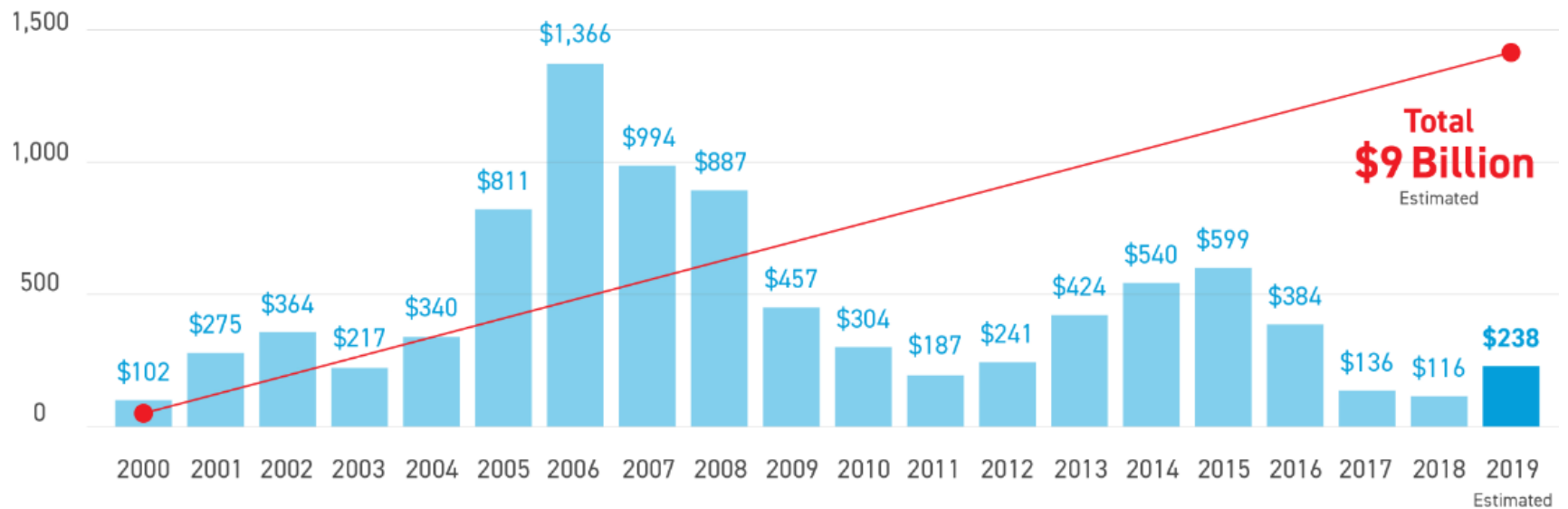


APPROXIMATELY
11,900 MW of
Renewable Generation Interconnected
Across the U.S. via AEP's
Transmission System Today



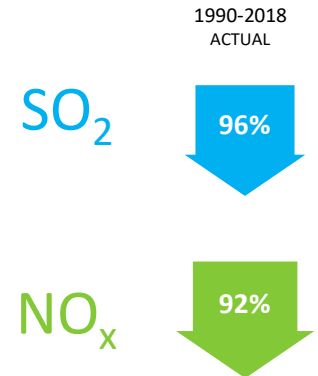
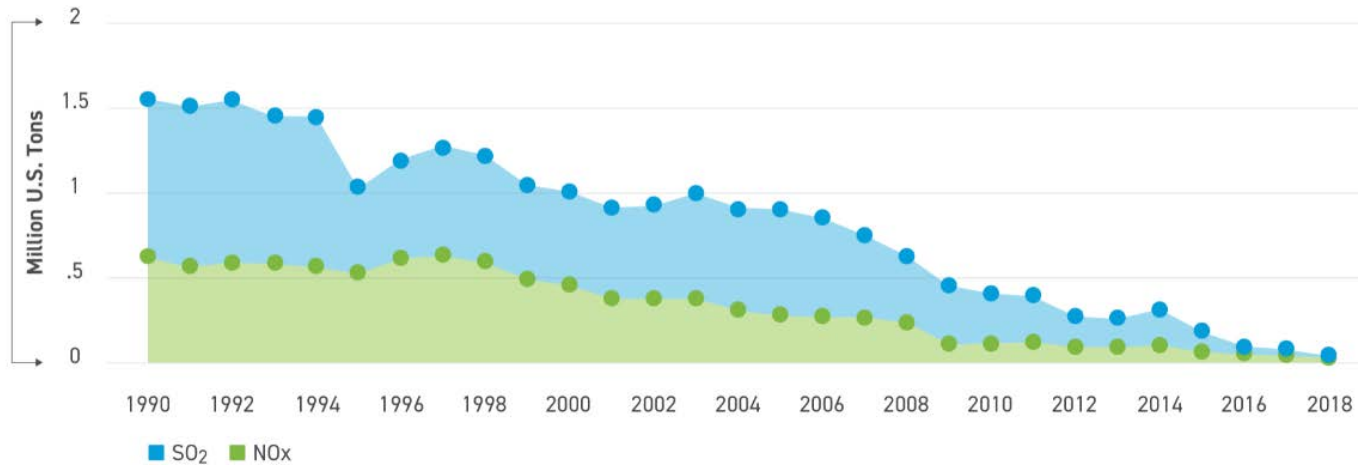
Largest Investment in Environmental Controls

INVESTMENT IN ENVIRONMENTAL CONTROLS \$ in millions

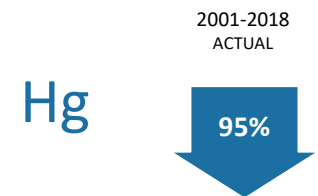
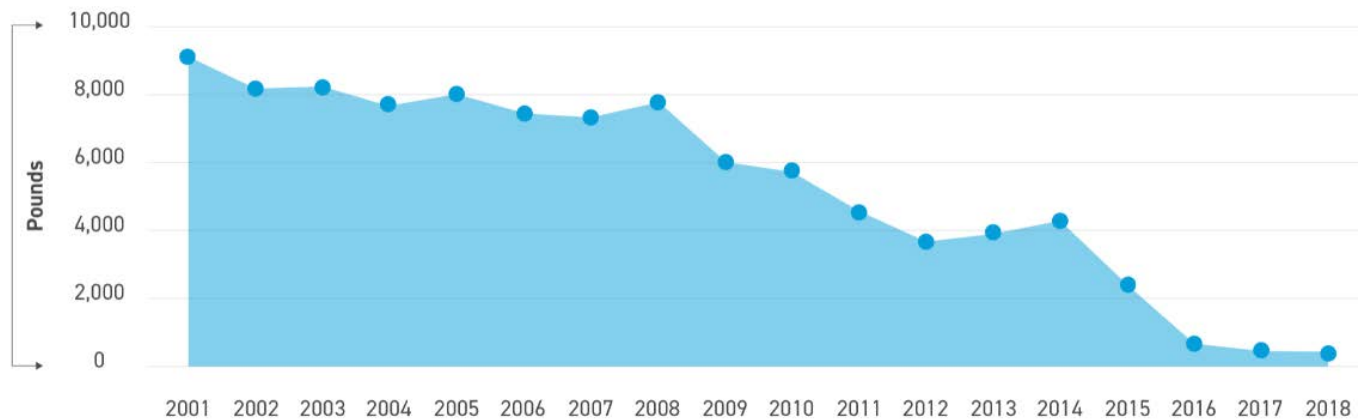


Dramatic Reductions in Emissions

TOTAL AEP SYSTEM NO_x & SO₂ EMISSIONS



TOTAL AEP SYSTEM MERCURY EMISSIONS



Dramatic Reductions in Emissions

TOTAL AEP SYSTEM – ANNUAL CO₂ EMISSIONS in million metric tons

