



Edison Electric
INSTITUTE

Delivering America's Energy Future



2019 Industry Priorities



Energy
Infrastructure



Clean
Energy



Wildfire Mitigation
& Adaptation



Grid Security
& Resilience

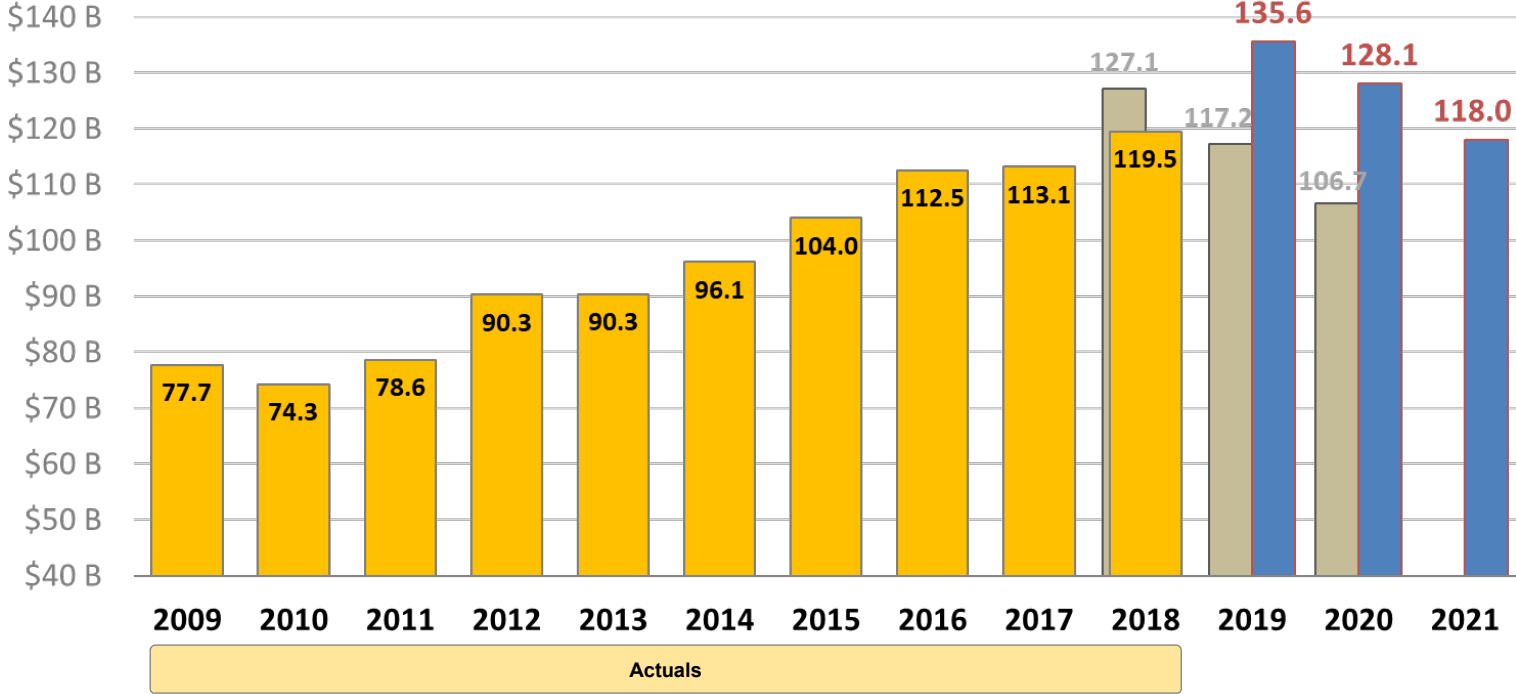


Electric
Transportation



Enhanced Customer
Experience

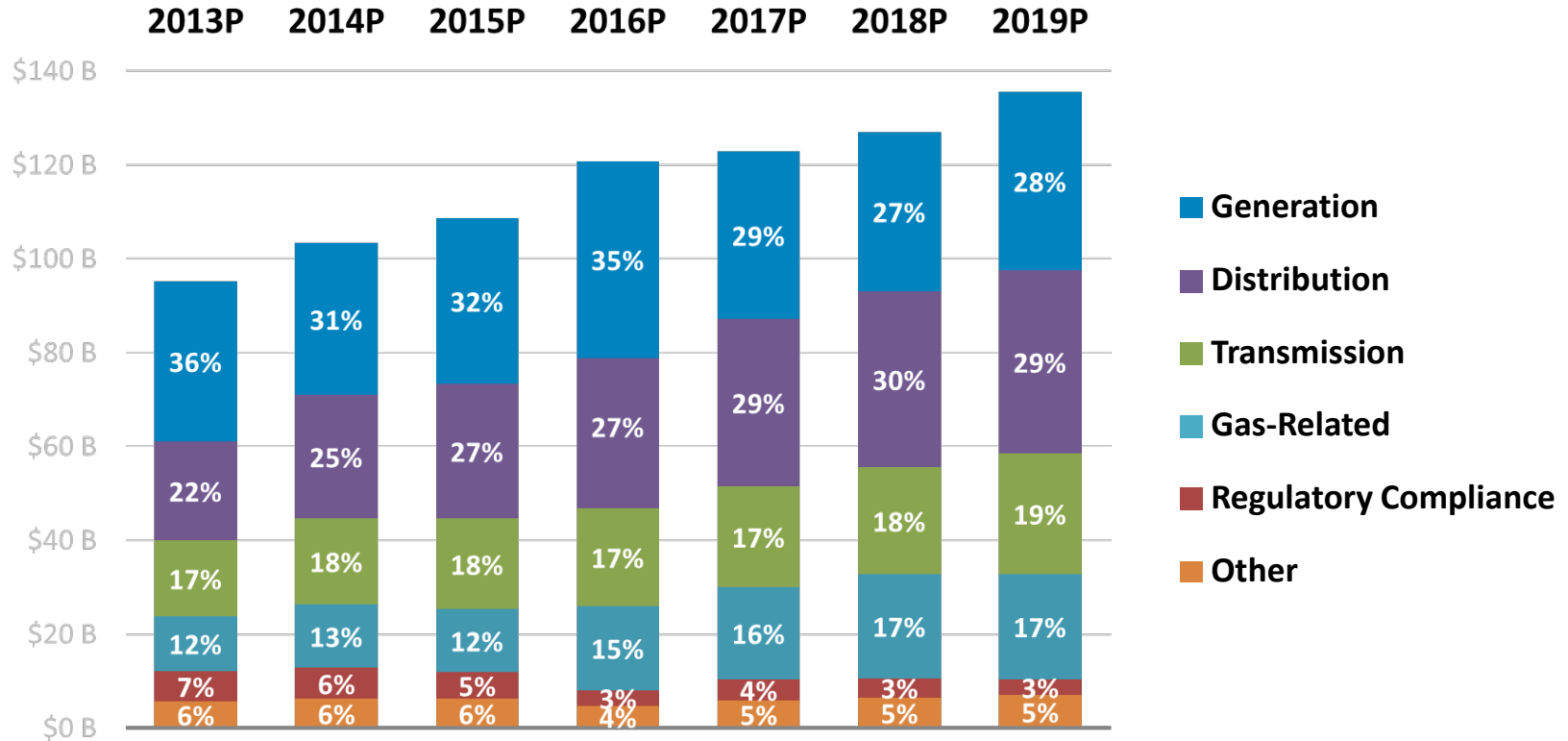
Industry Capital Expenditures



Note: Total company spending of U.S. Investor-Owned Electric Utilities, consolidated at the parent or appropriate holding company.
 Source: EEI Finance Department, company reports, S&P Global Market Intelligence (October 2019).

Projections (Oct. 2019)

Projected Functional CapEx



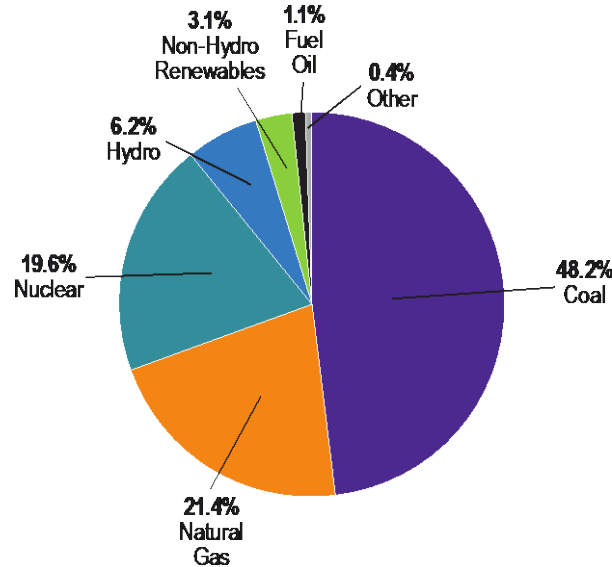
Note: Total company spending of U.S. Investor-Owned Electric Utilities, consolidated at the parent or appropriate holding company.
 Source: EEI Finance Department, company reports, S&P Global Market Intelligence (October 2019).

The Clean Energy Transformation

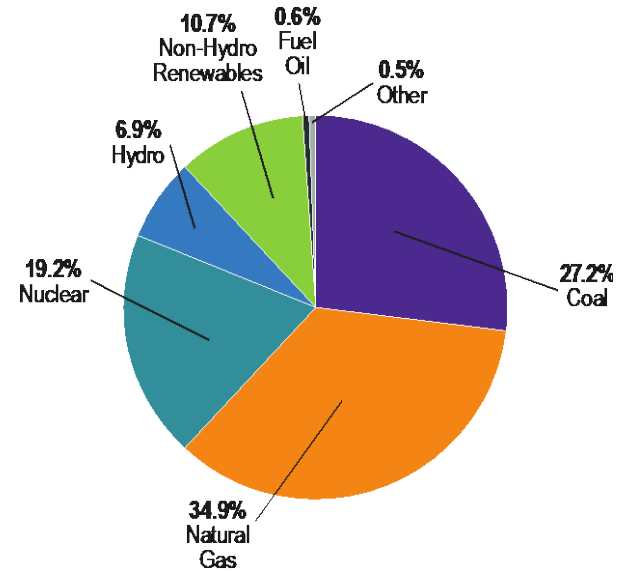


Mix of Resources Used to Generate Electricity Has Changed Dramatically

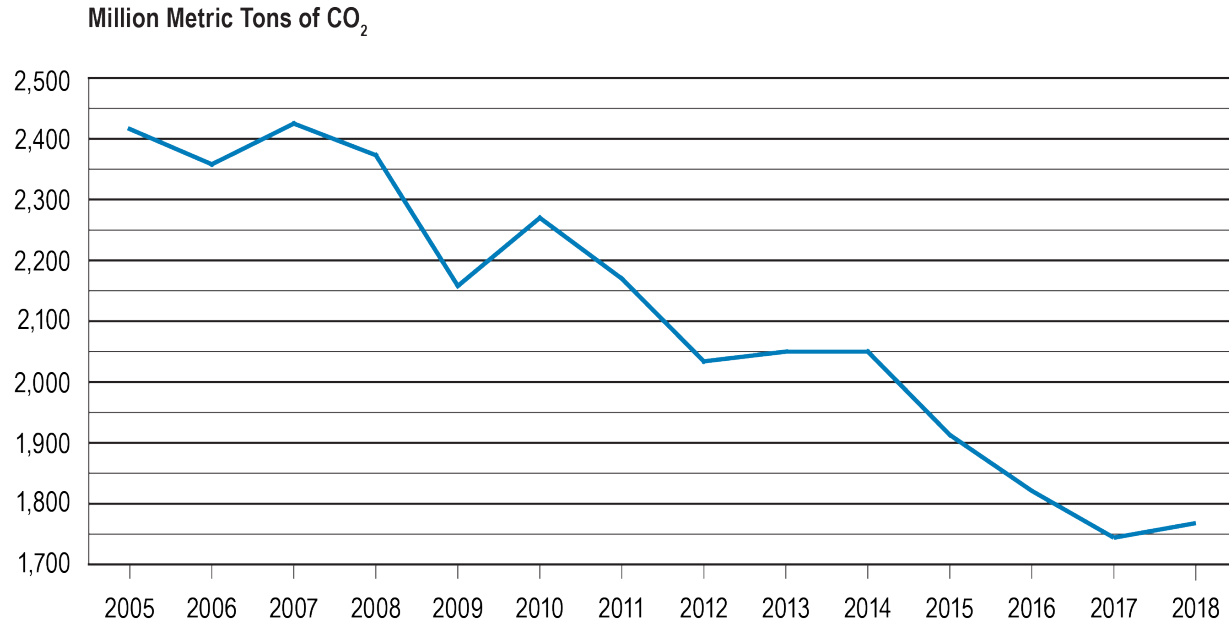
2008 National Energy Resource Mix



2018 National Energy Resource Mix (preliminary)



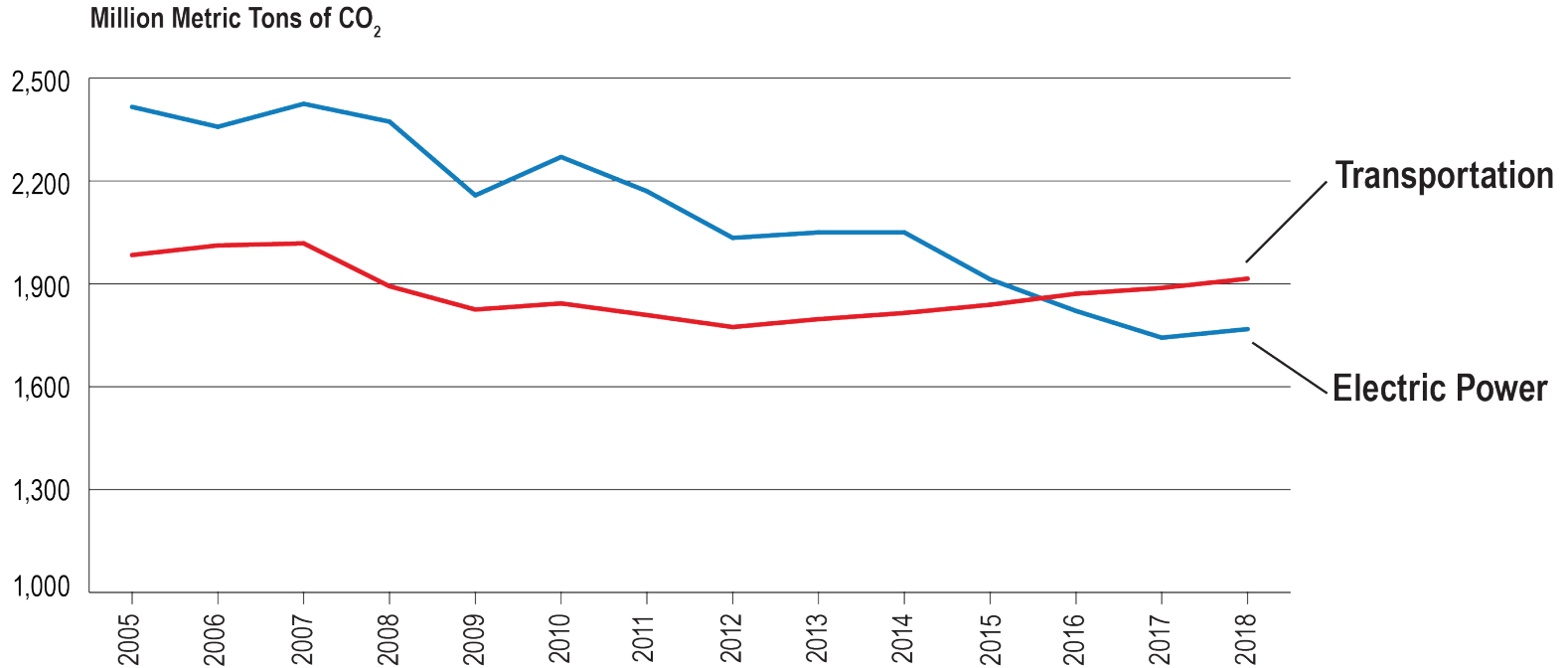
U.S. Power Sector Carbon Dioxide Emissions (2005-2018)



Source: Developed from U.S. Energy Information Administration, *Monthly Energy Review*, March 2019.

- More than 1/3 of U.S. electricity comes from carbon-free sources
- As of 2018, industry CO₂ emissions were 27 percent below 2005 levels
- Reductions are expected to continue based on current trends

CO₂ Emissions: Electric Power and Transportation Sectors



Source: U.S. Energy Information Administration, *Monthly Energy Review*, March 2019.

The Benefits of Electric Transportation



Electric Transportation Trends

TODAY



There are more than
1.1 million

electric vehicles on U.S. roads.

BY 2030



The number of
EVs on the road is
projected to reach

**18.7
million.**



**~9.6
million**

charge ports will be
needed to support
this number.

Storm and Wildfire Response & Energy Grid Security



Storm and Wildfire Response

New EEI Wildfire Practice Focused On:

- Access issues to perform vegetation management
- Outstanding ROW renewals
- Legal/insurance challenges
- Sharing suggested practices among member companies



Addressing Threats to the Energy Grid

The Electricity Subsector Coordinating Council (ESCC) is focused on improving the security of the energy grid:

- The ESCC plans and exercises coordinated responses to attacks or major disruptions to the energy grid.
- The ESCC makes sure information about threats is communicated quickly between government and industry.
- The ESCC deploys government technologies on electric company systems that improve situational awareness of threats to the energy grid.
- The ESCC coordinates closely with other critical infrastructure sectors.

