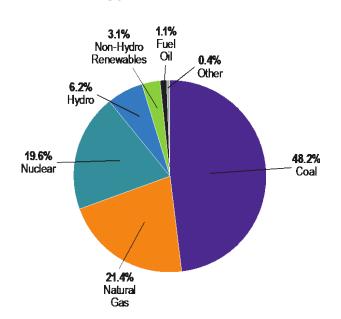


Technological Challenges and Trends in Electric, CNG/LNG and Hydrogen Powertrains

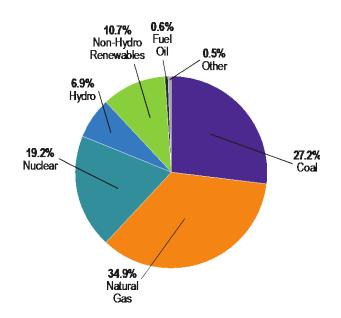
Busworld Academy North America Monday, January 13, 2020 Omaha, NE

Resource Mix

2008 National Energy Resource Mix



2018 National Energy Resource Mix



Energy Companies Leading in Reducing Carbon

REDUCING CARBON EMISSIONS SIGNIFICANTLY



CARBON-FREE SOURCES

>1/3

More than one-third of all U.S. power generation comes from carbon-free sources, including nuclear energy and hydropower and other renewables.



CARBON DIOXIDE EMISSIONS

127%

As of year-end 2018, our industry's carbon dioxide emissions were 27% below 2005 levels—nearly the lowest level in 3 decades.



CARBON DIOXIDE EMISSIONS

150%

Based on projected trends and member goals, CO_2 emissions from EEI members are projected to be 50% below 2005 levels by 2030.

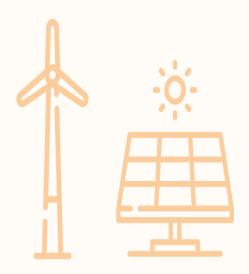
Energy Companies Leading in Adding Renewables

ADDING MORE RENEWABLES

NEW GENERATION CAPACITY

>1/2

Over the past 5 years, more than half of new electricity generation capacity was wind and solar.



SOLAR ENERGY

69%

Electric companies provide 69% of the solar energy in the country.

Energy Companies Leading in Promoting Electric Transportaion

PROMOTING ELECTRIC TRANSPORTATION



FEWER CO₂ EMISSIONS

54%

Driving on electricity emits 54% fewer CO₂ emissions per mile than the average new gasoline car. As a result, electric vehicles help improve air quality and reduce smog.



ELECTRIC VEHICLES

1.3 million+

Today, there are more than 1.3 million electric vehicles on U.S. roads. By 2030, that number is projected to reach 18.7 million.



CUSTOMER PROGRAMS
& PROJECTS

\$1.3 billion+

Electric companies are investing more than \$1.3 billion in customer programs and projects to deploy charging infrastructure and to accelerate electric transportation.