Electric Companies Are Leading on Clean Energy

EEI's member companies are leading a clean energy transformation. We are united in our commitment to get as clean as we can, as fast as we can, while keeping customer reliability and affordability front and center as always. Collectively, we are on a path to reduce carbon emissions 50 percent by 2030, and 80 percent by 2050, compared with peak levels in 2005. Together, we are delivering America's energy future for the customers and communities we serve.

INVESTING IN SMARter ENERGY INFRASTRUCTURE

$100 billion+

Electric companies invest more than $100 billion each year to:

- make the ENERGY GRID stronger, smarter, cleaner, more dynamic, and more secure
- diversify the nation's ENERGY MIX
- integrate NEW TECHNOLOGIES that benefit customers.

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

\[ \downarrow 27\% \]

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

\[ \downarrow 50\% \]

Based on projected trends and member goals, CO₂ emissions from EEI members are projected to be 50% below 2005 levels by 2030.
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.

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

1.2 million+

Today, there are more than 1.2 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.

FEWER CO₂ EMISSIONS

54%

ELECTRIC VEHICLES

1.2 million+

CUSTOMER PROGRAMS & PROJECTS

$1.3 billion+

PROMOTING ELECTRIC TRANSPORTATION

SOLAR ENERGY

69%

ENERGY EFFICIENCY PROGRAMS

147 MMT of CO₂ avoided

In 2017, energy efficiency programs avoided the generation of 147 million metric tons of CO₂ emissions and saved enough electricity to power 22 million U.S. homes for 1 year.

ENERGY STORAGE

>90%

Electric companies use more than 90% of all U.S. energy storage. Storage helps integrate more renewables into the energy mix.

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