

# 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 at least 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

\$110 billion+

Electric companies invest more than \$110 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.

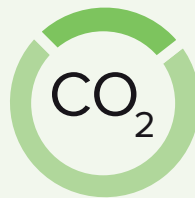
## REDUCING CARBON EMISSIONS SIGNIFICANTLY



**CARBON-FREE SOURCES**

Nearly 40%

Nearly 40% of all U.S. power generation comes from carbon-free sources, including nuclear energy, hydropower, wind, and solar energy.

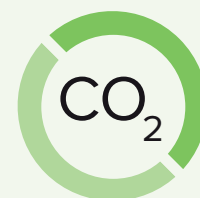


2019

**CARBON DIOXIDE EMISSIONS**

↓ 33%

As of year-end 2019, electric power industry CO<sub>2</sub> emissions are 33% below 2005 levels.



2030

**CARBON DIOXIDE EMISSIONS**

↓ 50%

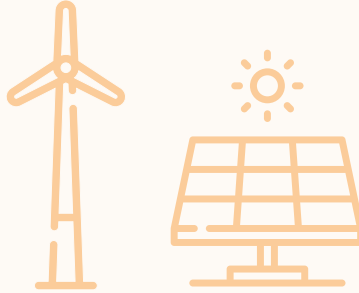
Based on projected trends and member goals, CO<sub>2</sub> emissions from EEI members are projected to be at least 50% below 2005 levels by 2030.

## ADDING MORE RENEWABLES

### NEW GENERATION CAPACITY

>1/2

Over the past 8 years, more than half of new electricity generation capacity was wind and solar.



### SOLAR ENERGY

67%

Electric companies provide 67% of the solar energy in the country.

## PROMOTING ELECTRIC TRANSPORTATION



### FEWER CO<sub>2</sub> EMISSIONS

54%

Driving on electricity emits 54% fewer CO<sub>2</sub> emissions per mile than the average new gasoline car. Electric vehicles help improve air quality and reduce smog.



### ELECTRIC VEHICLES

Nearly  
1.5  
million

Today, there are nearly 1.5 million electric vehicles on U.S. roads. By 2030, that number is projected to reach 18.7 million.



### CUSTOMER PROGRAMS & PROJECTS

\$1.4  
billion+

Electric companies are investing more than \$1.4 billion in customer programs and projects to deploy charging infrastructure and to accelerate electric transportation.

## SUPPORTING ENERGY EFFICIENCY & ENERGY STORAGE

### ENERGY EFFICIENCY PROGRAMS



149 MMT of CO<sub>2</sub>  
avoided



In 2018, energy efficiency programs avoided the generation of 149 million metric tons of CO<sub>2</sub> emissions and saved enough electricity to power 26 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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