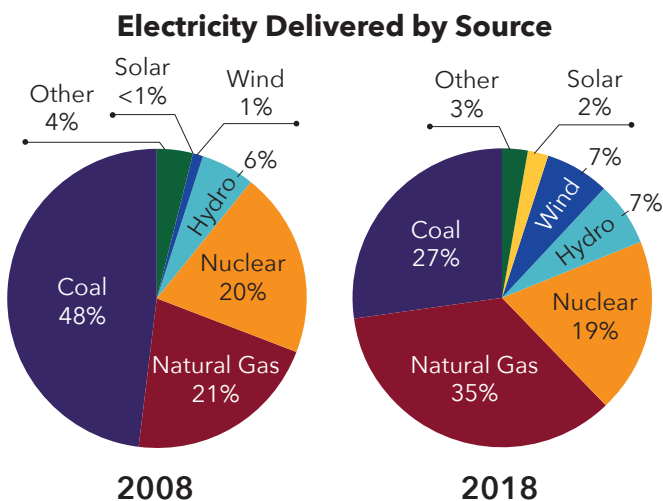




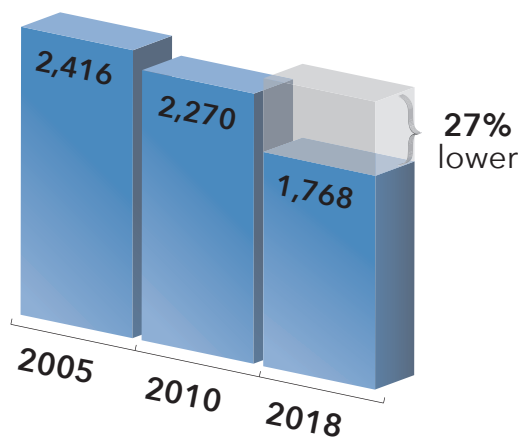
Electric Companies Are Committed to a Clean Energy Future: 10 Things You Should Know

1 In 10 years, the electricity generation mix has changed dramatically—more than one-third of all electricity nationwide now comes from carbon-free sources like nuclear, hydropower, wind, and solar.



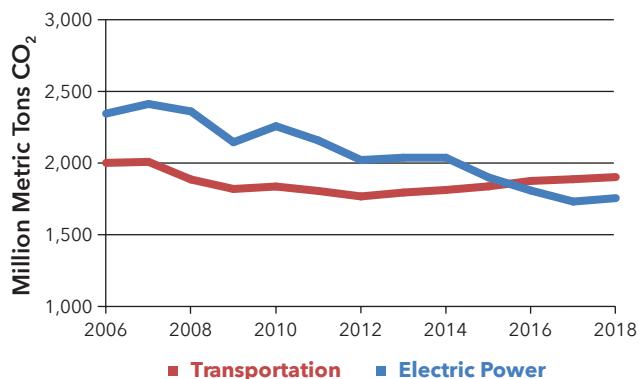
2 Carbon dioxide (CO₂) emissions from electricity generation have been declining for the last decade and were 27 percent below 2005 levels at the end of 2018.

Electric Power CO₂ Emissions (MMT)

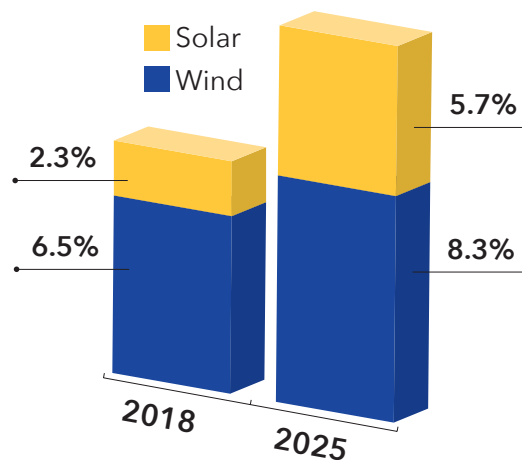


3 CO₂ emissions for the electric power sector are now 8 percent below transportation sector emissions.

U.S. CO₂ Emissions by Sector



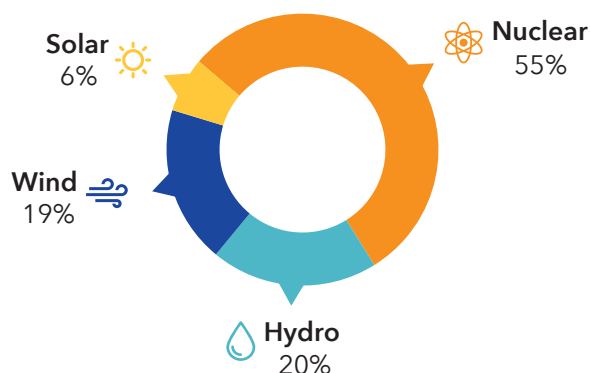
4 In 2018, wind and solar (all types) generated about 9 percent of all electricity used in the United States and are expected to account for about 14 percent of all electricity used in the United States in 2025.



5 Electric companies provide virtually all of the wind and about 69 percent of the solar energy in the country.

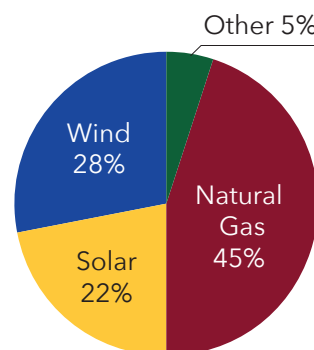
- 6 Today, nuclear energy accounts for 55 percent of the carbon-free electricity generated in the United States.

Carbon-free Electricity Generated (2018)



- 9 Investments in wind and solar energy accounted for 50 percent of all electricity capacity additions in the United States between 2014-2018.

Capacity Additions (2014-2018)



- 7 Corporations increasingly want renewable energy to power their offices and operations. Between 2014 and 2018, corporate customers contracted for about 15 gigawatts (GW) of renewable energy. This is expected to continue to increase.

- 10 Clean energy integration requires smarter energy infrastructure. Electric companies invest more than \$100 billion annually to make the energy grid smarter, stronger, cleaner, more dynamic, and more secure.

- 8 Solar energy is growing rapidly in the United States. Solar capacity is 56 GW today and is expected to reach 85 GW in 2020.

Sources:

- U.S. Energy Information Administration: Electric Power Monthly (March 2019); Monthly Energy Review (March 2019); Annual Energy Outlook 2019
- Wood Mackenzie/SEIA: U.S. Solar Market Insight 2018 Year in Review (March 2019). Note: capacity value in this report has been converted to AC.
- ABB: Velocity Suite
- Renewable Energy Buyers Alliance
- Edison Electric Institute

About the Institute for Electric Innovation

The Institute for Electric Innovation focuses on advancing the adoption and application of new technologies that will strengthen and transform the energy grid. IEI's members are the investor-owned electric companies that represent about 70 percent of the U.S. electric power industry. The membership is committed to an affordable, reliable, secure, and clean energy future.

IEI promotes the sharing of information, ideas, and experiences among regulators, policy makers, technology companies, thought leaders, and the electric power industry. IEI also identifies policies that support the business case for the adoption of cost-effective technologies.

IEI is governed by a Management Committee of electric company Chief Executive Officers. In addition, IEI has a Strategy Committee made up of senior electric industry executives and a select group of technology companies on its Technology Partner Roundtable.



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