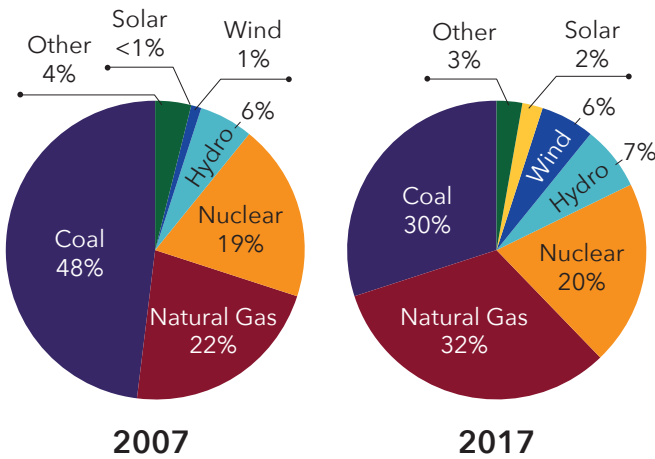




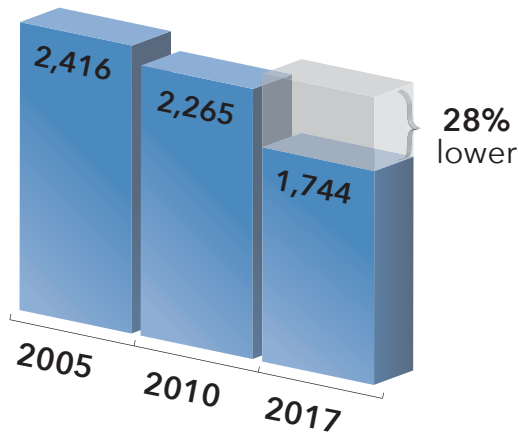
Electric Companies Are Investing in a Clean Energy Future: 10 Things You Should Know

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



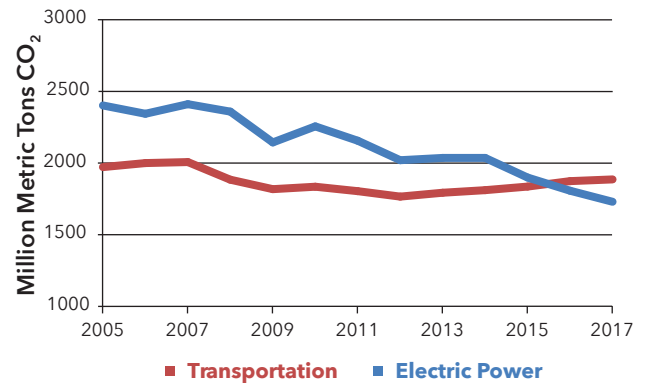
2 Carbon dioxide emissions from electricity generation have been declining for the last decade and were 28 percent below 2005 levels at the end of 2017.

Electric Power CO₂ Emissions (MMT)

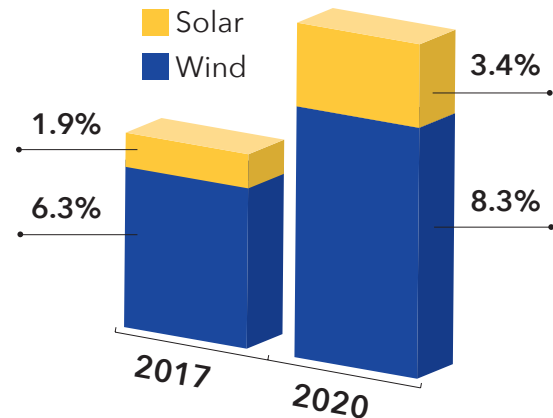


3 Carbon dioxide emissions for the electric power sector continue to decline and are now 8 percent below transportation sector emissions.

U.S. CO₂ Emissions by Sector



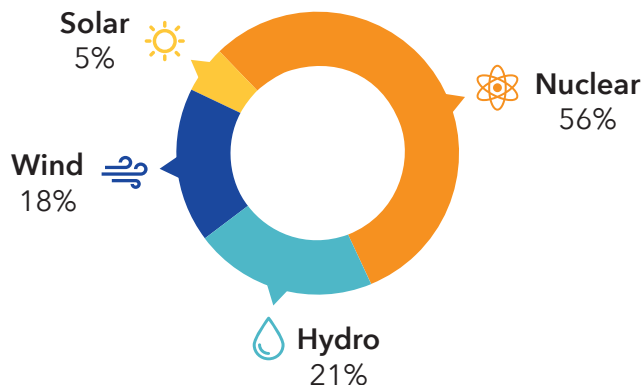
4 In 2017, wind and solar (all types) generated about 8 percent of all electricity used in the United States and are expected to account for about 12 percent of all electricity used in the United States in 2020.



5 Electric companies own or contract for virtually all of the wind and about 69 percent of the solar energy in the country.

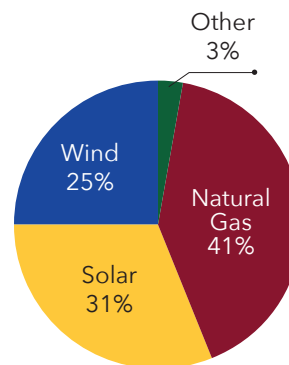
- 6 Today, nuclear energy accounts for 56 percent of the carbon-free electricity generated in the United States.

Carbon-free Electricity Generated (2017)



- 9 Investments in wind and solar energy accounted for 56 percent of all electricity capacity additions in the United States in 2017.

Capacity Additions (2017)



- 7 Corporations increasingly want renewable energy to power their offices and operations. Over the past five years, corporate customers contracted for about 10 gigawatts (GW) of renewable energy. This is expected to increase to 60 GW by 2025.

- 8 Solar energy is growing rapidly in the United States. Solar capacity is 47 GW today and expected to reach 77 GW by 2020.

- 10 Clean energy integration requires smarter energy infrastructure. Electric companies are expected to invest more than \$100 billion in 2018 to make the energy grid more dynamic, cleaner, and more secure.

Sources:

- U.S. Energy Information Administration: Electric Power Monthly (March 2018); Monthly Energy Review (September 2018); Annual Energy Outlook 2018
- GTM Research/SEIA: U.S. Solar Market Insight 2017 Year in Review (March 2018)
- ABB: Velocity Suite
- World Resources Institute
- 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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