

Delivering America's Energy Future

10 Things You Should Know About America's Electric Companies

Creating Value



America's electric companies play a vital role in supporting jobs, spurring economic growth, and developing and deploying smarter energy infrastructure that is critical for America's energy future.

- 1 The electric power industry **supports more than 7 million American jobs** in communities large and small—1 in every 20 jobs in the United States. The industry's total economic impact is **\$880 billion annually**—approximately 5 percent of America's GDP.

Building Smarter Energy Infrastructure



The energy grid delivers energy safely and reliably to customers. Grid modernization is a multi-billion-dollar, multi-year effort that is making the energy grid more dynamic, more reliable, more secure, cleaner, and smarter for all customers.

- 2 Electric companies **invested a projected \$122.8 billion in 2017**, a sixth-straight year of record-high capital expenditures, to build smarter energy infrastructure and to transition to even cleaner generation sources. These investments benefit customers by enhancing electric reliability and resiliency, and have a direct economic impact in every state in the form of jobs created and taxes paid.
- 3 **Protecting the nation's energy grid** and ensuring a reliable and affordable supply of energy are top priorities for the electric power industry. The electric sector takes a "defense-in-depth" approach to protecting energy grid assets. This includes rigorous, mandatory, and enforceable reliability regulations; close coordination among industry and with government partners; and efforts to prepare, respond, and recover should an incident impact the energy grid.
- 4 Grid modernization is essential to integrating more renewables and new technologies, such as electric vehicles, energy storage, and smart appliances. One key building block of a more dynamic and more secure energy grid is smart meters—and **75 million+** have been installed in U.S. households to date.

Providing Cleaner Energy



In just 10 years, the mix of resources used to generate electricity in the United States has changed dramatically and is increasingly clean.

- 5 Electric companies are changing the nation's energy mix. Today, **more than one-third** of electricity comes from **zero-emissions sources** (nuclear energy and hydropower and other renewables).
- 6 As of year-end 2017, the electric power industry has **reduced carbon dioxide emissions 27 percent** below 2005 levels. Additionally, between 1990 and 2017, emissions of nitrogen oxides were cut by **84 percent** and sulfur dioxide emissions by **92 percent**, during a period in which electricity use **grew by 35 percent**.
- 7 The electric power industry is leading the way on renewable energy. Electric companies own **69 percent of solar** in the United States. Our universal solar projects accounted for **59 percent of solar capacity installed in 2017**. And, electric companies account for **nearly all of the geothermal, hydropower, and wind capacity** deployed on the energy grid.

Creating Energy Solutions Customers Want



Electric companies are committed to bringing customers the energy solutions they want. From powering smart communities to leading the way on energy storage, the electric power industry is at the forefront of driving innovation.

- 8 **Smart communities** use data and technology to help drive efficiencies, improve sustainability, spur economic development, and enhance quality of life. As the number of smart communities continues to grow, increased electrification and the integration of new and advanced technologies will create new opportunities for collaboration among electric companies, community leaders, technology companies, other business partners, and citizens to achieve these goals.
- 9 The electric power industry uses **more than 90 percent of all energy storage**. Investment in advanced energy storage is growing rapidly, with an estimated **280 megawatts installed in 2017 alone**, up 400 percent from 2014.
- 10 Electric companies are promoting the widespread use of electric vehicles to help reduce greenhouse gas emissions and have expanded customer access to EV charging infrastructure by **deploying more than 20,000 EV charging stations** across the country. Electrification also is taking hold in public transit, commercial vehicles, ride-sharing applications, ports and airports, and more.

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The Edison Electric Institute (EEI) is the association that represents all U.S. investor-owned electric companies. Our members provide electricity for about 220 million Americans, and operate in all 50 states and the District of Columbia. As a whole, the electric power industry supports more than 7 million jobs in communities across the United States. In addition to our U.S. members, EEI has more than 60 international electric companies, with operations in more than 90 countries, as International Members, and hundreds of industry suppliers and related organizations as Associate Members. Organized in 1933, EEI provides public policy leadership, strategic business intelligence, and essential conferences and forums.