



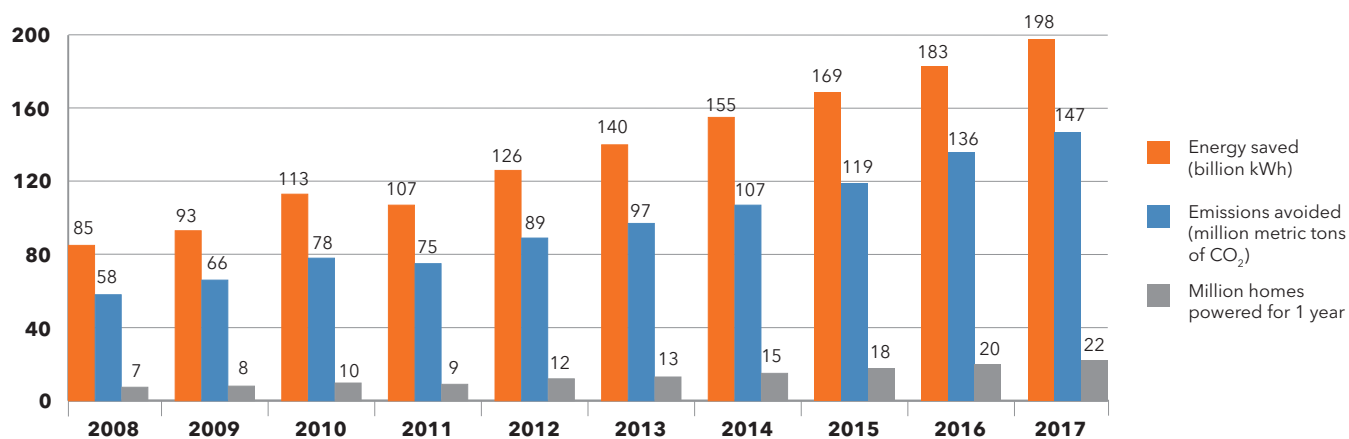
The Edison Foundation

INSTITUTE for
ELECTRIC INNOVATION

Energy Efficiency Trends in the Electric Power Industry: Top 10 Things You Should Know

- 1 Electric company customer-funded energy efficiency (EE) programs saved 198 terawatt-hours (TWh) of electricity in 2017.¹
- 2 In 2017, EE programs saved enough electricity to power 22 million U.S. homes for one year.
- 3 In 2017, EE programs avoided the generation of 147 million metric tons of carbon dioxide (CO₂) emissions.
- 4 EE programs are very cost-effective, delivering energy savings at a cost of roughly 2.5 cents per kilowatt-hour (kWh) over the lifetime of the investment.
- 5 States with regulatory frameworks that support electric company investments in EE programs tend to lead in energy savings.
- 6 EE savings grew 41 percent over the past 5 years, from 140 TWh saved in 2013 to 198 TWh saved in 2017.
- 7 In 2017, for the fourth year in a row, EE expenditures exceeded \$7 billion.
- 8 The Institute for Electric Innovation projects EE expenditures to exceed \$9 billion in 2025, up from \$7.2 billion today.

Energy Efficiency Programs Save Energy and Reduce Carbon Dioxide Emissions



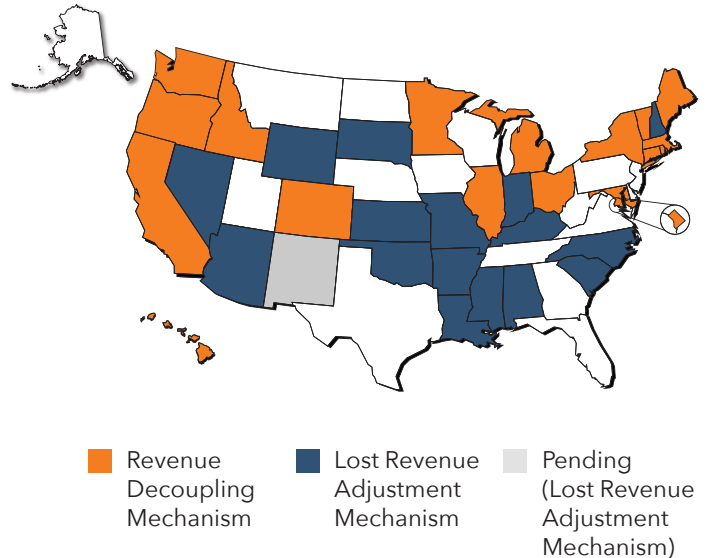
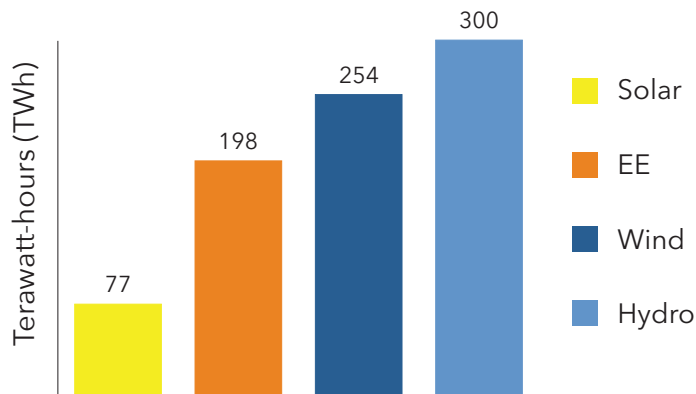
Source: Institute for Electric Innovation. Energy Efficiency Trends in the Electric Power Industry (2008-2017). March 2019.

1. For the purposes of this factsheet, the electric power industry includes investor-owned electric companies, public power utilities, electric cooperatives, and federal utilities. We use the term 'electric companies' in this report to encompass all of these industry segments.

9 In 2017, EE programs saved more than twice the amount of electricity generated by solar energy, and about 80 percent of what wind energy produced.

10 Across the country, 34 states have approved fixed-cost recovery mechanisms—18 states have revenue decoupling, and 16 have lost revenue adjustment mechanisms. And, 32 states have performance incentives in place.

Comparison: EE Program Savings and Renewable Energy Generated (2017)



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 industry 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.



Institute for Electric Innovation
 701 Pennsylvania Avenue, N.W. | Washington, D.C. 20004
 Phone: 202.508.5440 | Fax: 202.508.5150
 f /ElectricInnovation @Elec_Innovation