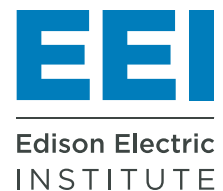


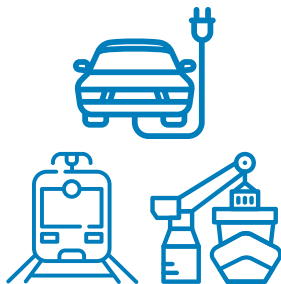
# Electric Transportation Benefits Customers and Communities



Electricity Drives Smart, Sustainable Mobility Solutions

## The 4 Key Facts You Need

- 1 Electrifying transportation offers numerous benefits for customers and communities, including increased efficiency, improved sustainability, economic growth, and energy security.
- 2 In addition to electric vehicles (EVs), electrification is taking hold in public transit, delivery vehicles, ride-sharing applications, ports and airports, and more.
- 3 As cities and communities seek smart, sustainable mobility solutions, electric transportation is a critical component—including EVs, public transit, and charging infrastructure.
- 4 Electric companies are partnering with many stakeholders to support the growth of EVs and to provide the needed charging infrastructure in America's cities and communities.



From EVs to public transit, commercial fleets, and more, transportation electrification is transforming America's communities and economy.

## Driven by the Power of the Energy Grid

Expanding the use of electricity in transportation saves money, improves sustainability, and enhances quality of life for everyone. Electrifying transportation benefits all customers by increasing and optimizing the use of the energy grid, lowering the average cost for customers, and enhancing the integration of renewable energy resources.

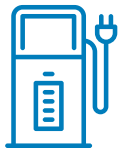
- **Greater EV Efficiency Saves Money**  
EVs, electric buses, and other electrified equipment—ranging from delivery fleets to port and airport handling equipment—have lower fuel and maintenance costs than traditional equivalents.
- **Electrifying Transportation Reduces Emissions**  
More than one-third of the nation's electricity comes from zero-emissions sources (nuclear energy and hydropower and other renewables). The electric power industry has reduced carbon dioxide emissions 28 percent below 2005 levels as of 2017, the lowest annual emissions level since 1988. Since 2016, greenhouse gas (GHG) emissions from the transportation sector have surpassed those from the electric power sector. Widespread adoption of EVs could reduce GHG emissions by the equivalent of removing 100 million conventional vehicles from the road.
- **Driving Economic Growth**  
The continued growth of electric transportation options could increase economic output by billions of dollars and generate hundreds of thousands of new jobs, while also saving customers money to use on other goods and services.
- **EVs Enhance American Energy Security**  
Electric companies use a diverse energy mix that includes clean and renewable energy and traditional energy resources to generate the electricity their customers need. Powering transportation with these domestic resources via the energy grid protects customers from price fluctuations and helps to ensure reliability and national security.

## Building Infrastructure to Electrify Transportation

The energy grid is ready for electric transportation. Electric companies are investing more than \$100 billion each year in smarter, cleaner, and more resilient energy infrastructure to deliver the energy future customers want. These investments are key to enabling innovative customer solutions, including smart, sustainable transportation.

Today, the largest challenge facing the EV market is the charging infrastructure needed to support market growth, not the energy grid that powers that infrastructure. A report from EEI and the Institute for Electric Innovation predicts that, by 2030, U.S. EV sales will exceed 3.5 million per year and that 18.7 million passenger EVs will be on U.S. roads, requiring about 9.6 million charging stations.

EEI's member companies are investing more than \$1 billion in customer programs and projects to deploy charging infrastructure and to accelerate electric transportation. Increasing investment from all stakeholders—including electric companies, automakers, charging network providers, and others—will help drive transportation electrification.



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## Our Policy Platform

To help EVs and other forms of electric transportation reach their full potential to benefit customers, the economy, and the environment, it is vital that public policies permit electric companies to:

- Deliver the solutions customers need to adopt EVs, including providing charging infrastructure in homes, workplaces, and public places;
- Invest in smart grid technologies that provide the capability to manage EV charging in a manner that benefits the energy grid and all customers;
- Create the smarter energy infrastructure that underpins smart communities; and
- Expand access to electric transportation options by partnering with critical stakeholders, including transit agencies, large commercial customers, and transportation planners.

### Contact

Patrick Arness  
Director, Government Relations  
(202) 508-5604  
parness@eei.org



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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 65 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.