

Strengthening America's Energy Dominance

Investor-owned electric companies are rapidly deploying critical energy infrastructure, providing affordable and reliable energy for customers, and strengthening America's national and economic security and energy dominance.



Meeting Rising Demand

Although projections vary, experts agree that energy demand in the United States is only moving in one direction: up. AI technologies and data centers, industrialization and the reshoring of manufacturing activity, and the electrification of the broader economy are driving this demand.

Our industry is actively engaged with our public- and private-sector partners—including hyperscalers and other technology stakeholders—to maintain America's position of leadership and advance technologies and innovations that create new jobs and economic opportunities across the country.

Early and close coordination with a variety of stakeholders will help us meet the nation's AI and energy dominance goals.

This is especially important as data center energy demand has tripled during the past decade and could triple again by 2028, according to the U.S. National Labs.



Serving 3 in 4 Americans

Investor-owned electric companies serve **nearly 250 million customers**, or roughly **3 in 4 Americans**.

91 GIGAWATTS

91 gigawatts (GW) of new capacity is currently under construction, and **488 GW** has been planned or proposed for the next five years.

3X

Data center demand **has tripled** during the past decade and **could triple again** by 2028. Electric companies and the grid are uniquely positioned to meet growing AI demand.

Responsibly Adding New Capacity

EEl member companies will invest **more than \$1.1 trillion** during the next five years. As the economy electrifies and more electrons flow through the grid, capital expenditures will be distributed across a larger base, lowering cost impacts on all customers.

Investments in generation as a share of the industry's total capital expenditures have risen in four straight years and are projected to continue rising for the foreseeable future.

These investments support local jobs, empower communities, and drive economic development. They also will allow our members to meet growing energy needs from communities across the nation and enable America to win the AI race.

- Electricity generation in the United States reached **4,304,038 gigawatt hours (GWh)** last year, up **3 percent** year over year for the largest annual jump in five years.
- By 2030, U.S. generation is projected to eclipse **4,500,000 GWh** and surpass **5,400,000 GWh** by 2040, with annual growth averaging **1.7 percent**.

Strengthening Energy Security

Energy security is national security. We depend on reliable, affordable electricity to run our economy and power our daily lives. Customers count on us to deliver this energy safely, **24 hours a day, 365 days a year**, when and where it's needed. Protecting the nation's energy grid and ensuring a reliable supply of affordable energy are top priorities for electric companies.

Working with the Administration, Congress, and regulators and legislators across the country, we are focused on advancing policies that ensure **America is home to the industries, technologies, and jobs of tomorrow**.



Optimizing Existing Infrastructure

As electric companies work to build new energy infrastructure, we are **embracing innovation and developing, demonstrating, and deploying grid-enhancing technologies** that maximize the capabilities of existing assets.

Dynamic line ratings systems, advanced power flow controllers, and several unique and developing AI applications are enabling electric companies to send more electricity through existing systems.

Electric companies also are deploying more energy storage technologies to help the grid integrate new generation resources while supporting resilience and reliability. Electric companies are the largest users and operators of the approximately **40 GW** of operational storage in the country, representing **92 percent** of active energy storage projects.

Together, the electric power industry and our government and regulatory partners are deploying advanced technologies and transmission solutions through collaboration and thoughtful public policies that encourage, enable, and support infrastructure investments.

These coordinated efforts among key stakeholders are essential to **promoting reliability and operational efficiency**, while **keeping energy costs as low as possible** for all customers.

We Are the Energy That Powers America



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