

## The Benefits of Transmission

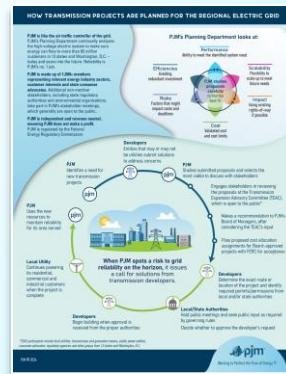
Transmission lines carry high-voltage electricity from generators to substations, which adjust the voltage for distribution to homes and businesses. Like a highway system, this spiderweb of lines needs to be upgraded to ease congestion, and new routes must be constructed to serve changing needs.



### Reliability and Resilience

Each new path strengthens the entire system by providing **additional routes** for energy to flow from generators to customers and enables the system to stay online if one component is inoperable.

Find out how transmission is planned for the grid.



[Read more \(PDF\)](#)

### Long-Term Cost Savings

As demand for electricity increases, existing lines have to carry more and more power, leading to congestion. Reconductoring existing lines is a temporary fix. **New lines** create efficiencies that lower the cost of delivering electricity. Over the past 10 years, transmission upgrades have provided \$1.4 billion in congestion savings, and the upgrades over the past five years have provided ratepayers savings of \$900 million per year.

### Connecting New Customers and Renewables

Local access to transmission encourages **economic development**, attracting new residential communities and businesses. New transmission lines also enable new electric supply to connect to the grid more cost-effectively and not have to self-fund significant transmission upgrade costs.

**Who we are:** PJM Interconnection is the regional grid operator for over 67 million consumers in all or parts of 13 states and Washington, D.C.

Our mission is to provide reliable electricity at an affordable cost through our competitive markets and to plan the system for the future.

PJM functions as an *independent, mission-driven, revenue-neutral company* with rates approved by the Federal Energy Regulatory Commission.



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