

Offshore Wind Can Help Address PJM's Growing Energy Challenge

Electricity demand is rising faster than it has in decades, and new power plants are not being built fast enough to keep up. Data centers, advanced manufacturing, electrification, and heavy industry all represent economic opportunities, but they also place enormous new pressure on the grid. As the gap between supply and demand widens, concerns about electric affordability and reliability are intensifying. Meeting this challenge will require expanding all domestic energy sources, including offshore wind.



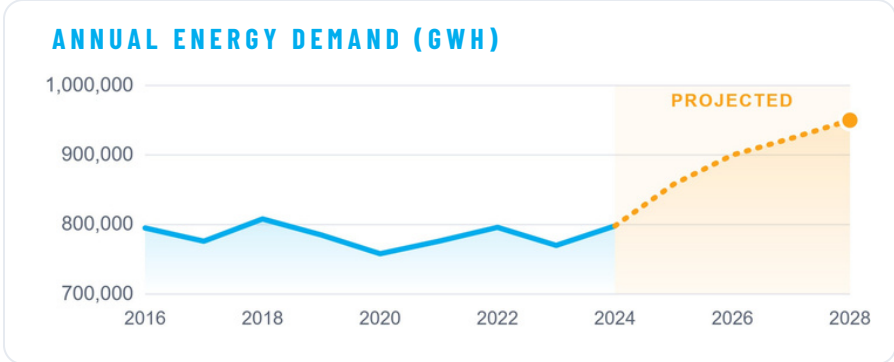
<p>5x</p> <p>Faster demand growth than PJM's historical average</p>	<p>7.8GW</p> <p>Potential shortfall by 2033. ~25% of the State of NY's energy needs</p>	<p>2,600MW</p> <p>Capacity created by the CVOW project alone</p>	<p>46%</p> <p>Lower power outage risk if OSW capacity triples</p>
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The Challenge at a Glance

- Power demand is growing five times faster than PJM's historical average.
- By 2033, PJM could face a 7.8 GW electricity shortfall — equivalent to 25% of the peak electricity needs of the State of New York.
- Utilities are paying more than ever at the capacity auctions where back-up power reserves are bought in advance, leading to increased prices that get passed on to ratepayers.
- Winter reliability risks are rising as more homes switch to electric heating, driving sharp demand spikes during severe cold weather when gas supplies are most constrained.

How Offshore Wind Can Help

- Lowers the risk of blackouts in periods of peak demand.
- Produces the most power during winter months and evening hours — when grid stress tends to be highest.
- Closes supply gaps: the 2,600 MW Coastal Virginia Offshore Wind project alone adds as much capacity as a nuclear power plant or large natural gas plant.
- Strengthens grid reliability: tripling current offshore wind capacity could cut the risk of power outages by 46%.
- Enhances defense readiness by ensuring reliable power for critical military capabilities.



Economic Growth at Stake

- Semiconductor manufacturing
- AI & data-center infrastructure
- Industrial reshoring & competitiveness

KEY TAKEAWAY

No one energy source can solve PJM's growing electricity challenge alone. As a proven but largely untapped utility-scale resource, offshore wind can play an important role in a diverse energy portfolio — helping maintain reliability, support affordability, and strengthen one of the nation's most critical power systems.