

How Corporate Real Estate leaders navigate energy challenges and risks

US power consumption is climbing again for the first time in nearly two decades. This unprecedented growth is driven by AI, factory reshoring, electric vehicles, and the shift to electric heating and cooling.

But facilities don’t just have to consume energy; smart management enables them to cut waste, save money, and operate more efficiently. Learn how CRE leaders within the tech manufacturing and semiconductor industry can confidently navigate the dynamic energy landscape.



Demand, price, and risk are surging

Energy supply is struggling to keep up with new demand from new technologies, pushing prices higher.

Data center electricity consumption in the U.S. is forecast to

double by 2028

U.S. electricity prices

surged 29%

in the past five years

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Market demand for clean energy and infrastructure is at an all-time high.”

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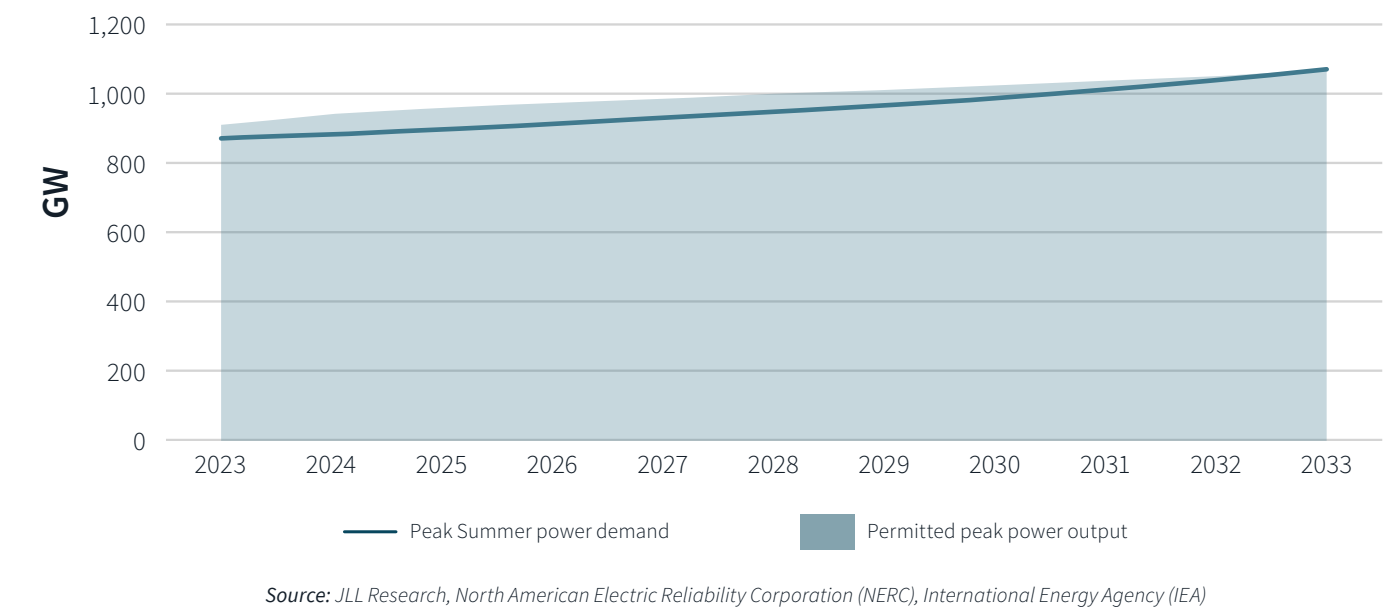
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Power outages are 30x more likely

Amid deferred grid maintenance and increasingly frequent extreme weather events, power outages are now **30 times more likely**. That carries big implications for semiconductor and tech manufacturing companies.

Without a significant increase in power supply, demand is expected to surpass the permitted peak power output by the early 2030s.



Inform your facility selection process

Failure to account for power shortages can disrupt even the best-laid operational plans. Success is highly dependent on a strategic power approach that correctly integrates macro energy trends and location-specific requirements. Thorough power evaluation is the critical first step in the site selection process.

Ask these four key questions when selecting a facility:

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1. Ensure grid reliability
 What redundancy protections are in place to minimize downtime, and how reliable and accessible is the facility’s power supply?
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2. Embrace renewable energy
 Does the facility have access to renewable energy sources that can help lessen the environmental impact of the facility?
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3. Verify infrastructure capacity
 Is the existing power grid sufficient for the data center’s projected demands, and does the facility support future expansion?
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4. Maintain regulatory compliance
 What local regulations affect power grid access, backup systems, and data center power sourcing?

CRE sustainability drives concrete results

Energy inefficiency could be costing your business millions of dollars per year. From fabrication plants and R&D lab spaces to cleanrooms and warehouses, many buildings waste energy through both design and operation. JLL provides actionable design strategies and efficient building solutions that help CRE leaders:



Reduce energy consumption
 Assess your current usage, then improve building efficiency to create cost savings.



Mitigate supply risks
 Procure onsite energy assets such as solar, microgrids and batteries, or adopt power purchase agreements.

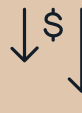


Manage utility bills
 Better manage relationships with utilities and benefit from incentives.



Light to medium retrofits can unlock up to

40% in energy savings



JLL identified

\$1.8M in annual savings

 for a global manufacturer

Sustainable, resilient buildings make a compelling business case

To manage financial risk, businesses are seeking ways to reduce their own energy consumption and secure their energy supply.



Active power management can unlock additional revenue increases of

25% to 50%



End-to-end capabilities
 Our energy and sustainability services span strategy, project execution, and ongoing management across real assets.



Proven track record
 Risk-based recommendations that boost profitability, resilience, and sustainability.



Pioneering energy-smart CRE
 Over \$21M in annual utility savings delivered, and counting.

Connect with a JLL expert today to plan, source, and manage the renewable energy solutions that best suit your budgets and operational needs

Explore JLL’s Sustainability Services →

 JLL SEE A BRIGHTER WAY