

# Save energy while you secure data.

*PSE&G helps data centers reduce power usage effectiveness (PUE).*



Data centers need equipment operating at peak efficiency to keep energy use in check. Computer room air conditioners (CRACs), computer room air handlers (CRAHs), cooling towers, chillers, variable-speed pumps and fans, and even building lighting and power distribution can all raise your power usage effectiveness—and reduce profit—if not optimized.

## Data center efficiency *improvements*:

### ✓ Increase efficiency while reducing energy use:

- **Install airflow-management**, temperature-control, and humidity-control systems for optimal efficiency. Equipment can safely operate at 80°–81°F and 50% humidity.
- **Turn on power-management settings** in IT equipment and choose ENERGY STAR® certified servers, storage, and networking equipment.
- **Increase IT hardware utilization** and consider upgrades like solid-state drives and low-thermal design power (low-TDP) processors to improve performance per watt and reduce energy use.

- ✓ **Adopt advanced cooling solutions**, such as liquid cooling, in-row cooling, and rear-door heat exchangers, to reduce energy use.
- ✓ **Invest in capital upgrades** to major systems, such as CRACs, CRAHs, chillers, cooling towers, and pumps, to significantly increase efficiency.
- ✓ **Make general building improvements** across your facility. Upgrades to lighting, water heaters, insulation, and other core systems help maximize efficiency and savings potential.
- ✓ **Improve HVAC performance** by upgrading units and pairing them with dual enthalpy air-side economizers.

PSE&G and our Trade Allies offer a free energy audit and engineering support to improve data center efficiency through customizable solutions that enhance capital equipment upgrades and existing systems operations. Customers will be eligible to receive incentives up to 60% of project costs, plus interest-free, on-bill repayment options for energy-efficient upgrades.

Get efficiency improvements with **zero downtime** and minimal disruption to daily operations.



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**Schedule your complimentary energy assessment today!**

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