



Manage the energy intensity of your data center

Data centers consume up to 50 times more energy compared to a typical commercial office building.¹ Simple measures like turning off or decommissioning unused servers, improving air flow by staging equipment in clear hot aisle/cold aisle arrangements and increasing the space temperature can help save energy. For greater energy-saving potential, consider upgrading to higher efficiency IT equipment, implementing power monitoring, installing VSDs or electronically commutated (EC) motors on cooling system fans and installing rack-level cooling.

Whether you're upgrading your existing facility or planning a new construction project, we are here to help with rebates for qualifying energy-saving projects. Flip to the back to learn more about how to transform your data center.

Equip your data center for energy and cost savings.

Energy-efficient equipment facts:



Reducing energy consumption by removing decommissioned servers can save up to 30%.²



Switching from conventional to ENERGY STAR® certified servers can reduce energy usage by 30%.²



Staging a hot aisle/cold aisle layout can reduce energy used by fans by up to 25%.²



Installing EC motors can decrease energy usage by up to 75%.³

Implement cost-saving measures:

- Consolidate and run virtual servers, upgrade to ENERGY STAR® equipment and utilize power management features.
- Install ultrasonic humidification units to improve air quality and maintain optimal humidity.
- Add variable speed drives on large fans and use sensors and controls to match cooling capacity and airflow with actual load.
- Use high-efficiency uninterruptible power supply and distribution units and run systems in eco-mode.
- Enhance mechanical systems with EC motors or variable speed drives to reduce energy usage.



Get started today

- Discover available rebates and submit an application at apsapplynow.com.
- Scan the QR code or call (866) 277-5605 to connect with an energy advisor.

Resources:

1. U.S. Department of Energy. Retrieved from <https://www.energy.gov/eere/buildings/data-centers-and-servers>
2. ENERGY STAR. Buildings. ENERGY STAR. Retrieved from <https://www.energystar.gov/buildings>
3. National Institutes of Health, Office of Research Facilities. Retrieved from <https://orf.od.nih.gov/TechnicalResources>