ENERGY STAR® Expands Efforts to Improve Energy Efficiency of U.S. Data Centers

EPA is committing to continuing to push the industry towards greater efficiency and innovation. Read our press release here.

Keep reading to learn more about:

- An updated website with expanded resources on data center energy efficiency
- An updated specification for ENERGY STAR certified data storage products
- A new survey of data centers on their energy usage

An updated website with expanded resources on data center energy efficiency
Be sure to check out all the new how-to content and case studies on our website.

An updated specification for ENERGY STAR certified data storage products
Earlier this year, EPA released an updated ENERGY STAR specification for data center storage products, adding active-mode requirements and requiring more efficient power supplies.

Data center equipment that earns the ENERGY STAR label is independently certified to meet strict efficiency specifications set by the EPA. For example, labeled computer servers are on average 30% more efficient than non-certified products. In addition to servers, eligible products include uninterruptible power supplies, data center storage, and large network equipment like switches and routers. Learn more about ENERGY STAR certified data center products.

Coming Soon: An updated energy use survey of data centers
ENERGY STAR provides data center owners and operators with a 1-100 ENERGY STAR score that rates the energy efficiency of their entire facility compared to similar facilities nationwide, as well as ENERGY STAR certification to those that out-perform their peers. More than 190 data centers representing nearly 30 million square feet of floor space have earned EPA's ENERGY STAR certification.

This fall, to ensure that the ENERGY STAR score continues to give data center owners and operators an up-to-date picture of their performance, EPA will partner with The Green Grid, a leading data center industry association, to conduct a survey of data centers' energy and water use. EPA intends to use the survey results to update its 1-100 ENERGY STAR score for data centers in late 2022 or early 2023.

Thank you
Ten years ago, data center energy use was predicted to grow exponentially as digital computing expanded. However, gains in energy efficiency—both at the network hardware and storage level, as well as at the building level—have mostly offset this growth. Between 2010 and 2018, data center computing grew by 500 percent, while data center energy use only grew by six percent. *ENERGY STAR partners played a significant role in this progress*, but much more is required as digital computing data needs continue to grow rapidly.

Again, thank you for your partnership and your dedication to reducing greenhouse gas emissions through superior energy efficiency.

www.energystar.gov/products/data_centers

For more information, visit: www.energystar.gov

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