DELL Technologies

Follow the Dell PowerEdge sustainability journey — from production to reutilization

How does sustainability play a role in the lifecycle of our Dell PowerEdge servers? From the materials used during manufacturing to sustainable packaging, improved energy efficiency and responsible recycling, the PowerEdge portfolio considers sustainability at every turn.

Dive into what sustainability looks like in each phase:

Manufacturing phase

PowerEdge servers are crafted with **up to 35% recycled plastic content.**[1]

Transportation phase

Cut down packaging waste: Our multipack option reduces packaging waste by up to **52.1% in weight compared to shipping 8 single packs.** This is equivalent to the weight of two car tires.[2]

Reducing our Impact: Our latest **17G PowerEdge servers** launched with packaging designed with **100% recycled or renewable materials.**[3]

End of life (EOL) phase

Upgrading shouldn't be a hassle: **Recycling your legacy servers is on us** with the Dell Tech Refresh and Recycle Program. [4]

Use phase

Four 16th generation PowerEdge servers can replace up to 18 legacy 14th gen servers, saving up to **$27,000 in CPU energy costs** over four years—enough to power **180 homes for a month.** [5]

Quickly reduce power consumption, adapt to energy price changes, and calculate your carbon footprint with Dell OpenManage Enterprise Power Manager, delivering **multi-server power data in just 27 seconds**.

Plus, **leverage the power of AI** for energy and carbon footprint tracking and forecasting with **APEX AIOps** to ensure you always have an accurate picture of your sustainability posture. [6]

SERVICES:
Introducing **ProConsult Advisory Services for Sustainable Data Centers—** integrate a unified vision, develop low-carbon strategies, and optimize power and cooling for maximum efficiency.

Learn more about Dell Technology sustainability initiatives and designs.

Download the ESG Report

Visit our Website

[1]Percentage is of total plastic weight in product in form of post-consumer recycled plastic, including closed-loop recycled plastics (ITE-derived). Based on internal analysis, February 2023, and revised January 2024.

[2]Based on internal analysis in 2022, calculating the average material reduction (%) by weight of eight platforms shipped in a multipack compared to shipping 8 platforms in single packs. In 2024 still applies to: PowerEdge R640, 740, 740XD, 650, 750, 450, 550, 650xs, 750xs, 6515, 6525, 660, 760, 660xs, 760xs, 6615, 6625, HS5610, and HS5620.

[3] 5 Applies to PowerEdge R670 and R770 packaging. Contains 100% recycled content and 100% renewable materials. Renewable materials in the form of sustainably forested materials. Post Industrial Recycled (PIR) content in the form of EPE foam. Percentages may vary slightly by region. Excludes optional items added to order and included in box.

4With a qualifying purchase, Dell will take your existing enterprise storage or servers for no extra charge and will responsibly dispose of / recycle the old equipment at no cost. Learn about the program and qualifying products: https://www.dell.com/en-us/dt/products/future-proof-program.htm#footnote-cite5

5Based on internal analysis, March 2024. Results based on submitted SPEC CPU® 2017 floating point base score for four 16th gen PowerEdge R760s (score 1150 per server) each with two Intel® Xeon® Platinum 8592+ with CPU TDP 350 W, each compared to eighteen 14th gen PowerEdge R740s (score 249 per server), each with two Intel Xeon Platinum 8180s with CPU TDP 205 W each. Actual performance may vary. Estimate of the energy savings is derived from total CPU TDP per server and an average electricity price of $.173 per KWH (source: Electricity per KWH in U.S. city average from U.S. Bureau of Labor Statistics, data accessed February 2024). Cost savings is for estimation purposes only. Actual results and costs will vary depending on actual product configuration, usage, operating conditions, power management settings and other factors.

6Based on Principled Technologies report commissioned by Dell in November 2022. Testing compared using OpenManage Enterprise Power Manager 3.0 vs manually completing server monitoring and management tasks with iDRAC. Actual results may vary.