E4060 PRODUCT CARBON FOOTPRINT REPORT

Intelligent Data Infrastructure is Sustainable Data Infrastructure. Sustainability starts with data, and NetApp provides customers with energy efficient and resilient solutions for their data infrastructures.

NetApp® E4060 hybrid systems deliver affordable performance and enterprise reliability in a high-density chassis for mixed workloads such as video surveillance and enterprise backup. The E4060 storage system provides high availability with dual active controllers in a 4U chassis and offers scalable capacity up to 7.2PB with four 4U60 expansion shelves using 24TB drives, making it ideal for organizations facing rapid, unpredictable growth.
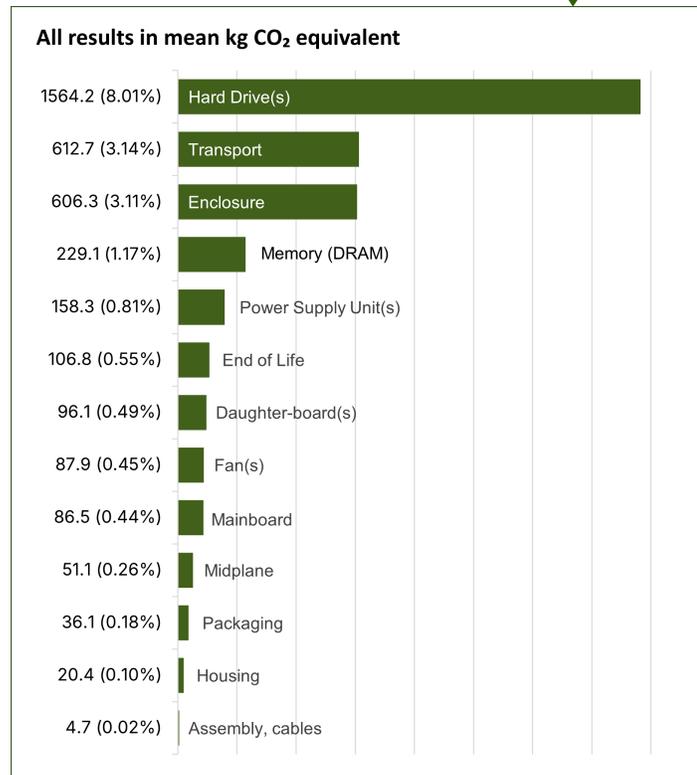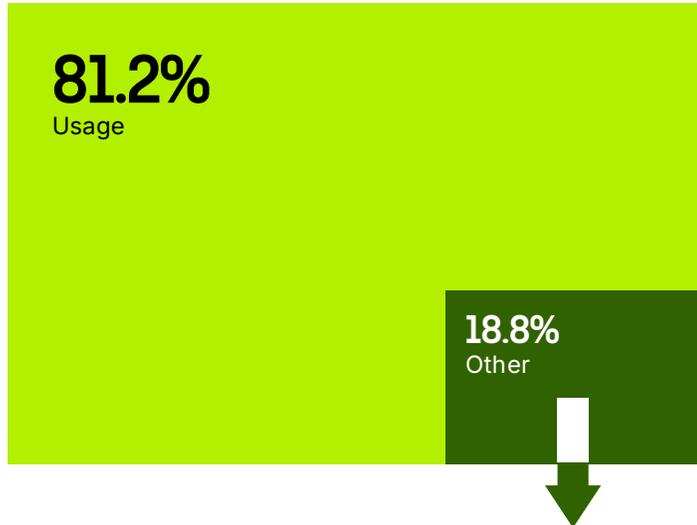
Data centers are significant consumers of electricity and contribute to global greenhouse gas emissions. NetApp provides lifetime carbon footprint estimates for its storage solutions to help customers understand the environmental impacts of these systems.

NetApp uses the Product Attribute to Impact Algorithm (PAIA) to calculate the carbon emissions associated with a product through its lifecycle, encompassing raw material acquisition, manufacturing, distribution, product use, and final disposition. PAIA is a streamlined product carbon footprint methodology developed by the Materials Systems Laboratory at the Massachusetts Institute of Technology (MIT) and is recognized globally for assessing the environmental impacts associated with the entire lifecycle of a product.

PAIA PCF analysis estimates are not intended for comparing products from different suppliers. For more information about PAIA, see this underline.

Estimated lifetime carbon footprint for E4060 systems: 19,519 kg CO_2e[1]

The majority of a product's lifetime carbon footprint is from its use. "Other" includes activities from upstream manufacturing/supply chain and downstream end of life.

81.2%
Usage

18.8%
Other

Assumptions used in this analysis are shown below.[2]

Use location[3]
EU

Country of origin
Hungary

Usage life
4 years

Memory (HA)
64GB

CPU cores (per controller)
4

HDD count
60

Weight
102 kg

Transportation
1,500 km/air
600 km/truck

Total energy consumption[4]
7,869 kWh/year

All results in mean kg CO_2 equivalent

1564.2 (8.01%)	Hard Drive(s)
612.7 (3.14%)	Transport
606.3 (3.11%)	Enclosure
229.1 (1.17%)	Memory (DRAM)
158.3 (0.81%)	Power Supply Unit(s)
106.8 (0.55%)	End of Life
96.1 (0.49%)	Daughter-board(s)
87.9 (0.45%)	Fan(s)
86.5 (0.44%)	Mainboard
51.1 (0.26%)	Midplane
36.1 (0.18%)	Packaging
20.4 (0.10%)	Housing
4.7 (0.02%)	Assembly, cables

Footnotes

1 All estimates of environmental impact and/or carbon footprint are uncertain. PAIA analyses provide reasonable estimates of the carbon impact of products, along with a range of uncertainty of the results. Standard deviation for this analysis is +/- 10,527 kg CO_2e.

2 This analysis used PAIA version 1.5.2. Future results could change as the tool is updated.

3 Use location for this PAIA analysis is EU; actual emissions calculations are dependent on where the equipment is used (specific state/country).

4 Total energy consumption is estimated based on the typical power rate. The E4060 field population used in our power consumption analysis focus on the most common configuration used by customers. Various configuration options will have different power consumption rates reflected in the usage phase data. Concise power consumption and environmental analysis of your E4060 storage systems are available in the NetApp Console Sustainability Dashboard, which uses telemetry from your system in its analysis. Learn about our sustainability initiatives here.

Contact Us

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