



Substantiation for statements in the [HP Innovation Journal](#)

Winter 2019 Issue

The following substantiation relates to product statements highlighted in an article entitled “Building the office of the future, sustainably.”

Statements

According to a [global survey published by HP](#), 61 percent of respondents believe sustainability is mandatory for businesses.¹

These efforts have resulted in innovations such as HP A3 PageWide printers and multifunction printers, which use up to 70 percent less energy than comparable laser printers and reduce the carbon footprint of printing by up to 45 percent.²

Ongoing design improvements have helped reduce the energy consumption of HP’s personal system portfolio by 44 percent,³ the HP LaserJet portfolio by 56 percent,⁴ and the HP inkjet portfolio by 20 percent⁵ since 2010.

Footnotes

1 Based on 2019 HP Supplies Survey in the US, Canada, Mexico, UK, France, Italy, Spain, Germany, China, India conducted by Edelman Intelligence: <https://press.ext.hp.com/content/dam/hpi/press/press-kits/2019/earth-day-2019/HP%20Workforce%20Sustainability%20Survey.pdf>.

2 Carbon dioxide equivalent (CO₂e) savings based on the average lifetime use of printing 100,000 pages, and excluding paper. Peer-reviewed life cycle assessment models commissioned by HP and conducted by thinkstep for inkjet (August 2016) and LaserJet (May 2016) and updated in 2018 comparing to comparable models of HP Color Laserjets. Specific results run by HP internal LCA experts.

3 The average energy consumption of HP products was estimated annually between 2010 and 2018 using high-volume product lines representative of the overall shipped product volume. The high-volume personal systems product lines include notebook and desktop computers, tablets, all-in-ones, workstations, thin clients, and displays.

4 The average energy consumption (based on ENERGY STAR® program’s Typical Electricity Consumption (TEC)) of HP products was estimated annually between 2010 and 2018 using high-volume product lines representative of the overall shipped product volume.

5 The average energy consumption (based on sleep mode power) of newly introduced HP products was estimated annually between 2010 and 2018 using high-volume product lines representative of the overall shipped product volume. The high-volume product lines include HP inkjet printers and exclude PageWide inkjet printers and large-format printers.

Summer 2017 Issue

The following substantiation relates to product statements highlighted in an article entitled “Innovating a better way to print, publish, and produce.”

Statements

In the U.S. alone, a typical office worker prints 10,000 pages per year.¹

This effort supports our goal of achieving zero deforestation, in which all HP brand paper and paper-based product packaging² will be derived from certified and recycled sources by 2020.

This service can help organizations reduce printing-related energy usage by up to 40 percent, decrease imaging and printing costs by up to 30 percent, and lower paper waste 25 percent or more.³

Footnotes

1 <http://www.statisticbrain.com/paper-use-statistics/>.

2 Packaging is the box that comes with the product and all paper (including packaging and materials) inside the box.

3 Estimated energy and paper savings based on analysis of select HP Managed Print Services customers’ imaging and printing operations using data gathered on devices and paper consumption and comparing with post-MPS actuals or projections. Results depend on unique business environments, the way HP products and services are used, and other factors. Overall printing costs are unique to each company and should not be relied on for savings you may achieve.

Spring 2017 Issue

The following substantiation relates to product efficiency statements highlighted in an article entitled “Here’s a bright idea: use less energy!”

Statements

In fact, since 2010, on average we have reduced the energy consumption of our personal system portfolio by 25 percent¹, our HP LaserJet portfolio by 56 percent², and our HP inkjet portfolio by 20 percent³.

Introduced in 2016 for customers looking for a compact yet powerful desktop solution, this product is smaller in size compared to older ultra-slim desktop towers—and consumes 50 percent less energy than a comparable small form factor desktop.⁴

Designed for computer aided design professionals, this system is over 50 percent smaller and up to 71 percent more energy efficient than the HP Z240 SFF Workstation and up to 50 percent more energy efficient than the HP EliteDesk 800 G2 SFF.⁵

According to a third-party analysis, business printers using this technology use up to 71 percent less energy than comparable laser printers.⁶

This solution also reduces printing-related energy usage by up to 40 percent, while decreasing imaging and printing costs by up to 30 percent.⁷

Footnotes

1 The average energy consumption of HP products was estimated annually between 2010 and 2015 using high-volume product lines representative of the overall shipped product volume. The high-volume personal systems product lines include notebook and desktop computers, tablets, AIOs, workstations, thin clients, and displays.

2 The average energy consumption (based on ENERGY STAR program's Typical Electricity Consumption of HP products was estimated annually between 2010 and 2015 using high-volume product lines (including HP LaserJet and excluding scanners) that are representative of the overall shipped product volume.

3 The average energy consumption (based on sleep mode power) of HP products was estimated annually between 2010 and 2015 using high-volume inkjet printer product lines representative of the overall shipped product volume. This excludes HP PageWide inkjet printers and large format printers.

4 Comparisons made using ENERGY STAR energy consumption for the HP Elite Slice and the HP EliteDesk 800 G2 SFF.

5 Comparisons made using ENERGY STAR energy consumption and published product weights (including accessories) for HP Z2 Mini G3, HP Z240 SFF, and HP EliteDesk 800 G2 SFF.

6 Energy claim and packaging waste claim based on testing comparisons of major competitors in default modes by Buyers Lab Inc., May 2016.

7 Estimated energy and paper savings based on analysis of select HP Managed Print Services customers' imaging and printing operations using data gathered on devices and paper consumption and comparing with post-MPS actuals or projections. Results depend on unique business environments, the way HP products and services are used, and other factors. Overall printing costs are unique to each company and should not be relied on for savings you may achieve.