

Quick Facts about Environmentally Sustainable Printing



If you are interested in reducing the environmental impact and cost of your printing, this handy reference sheet is for you! See the quick and easy actions you can take to make a real difference!

Useful links

HP Smart Print

www.hp.com/go/smartprint/web

HP Planet Partners

<http://www.hp.ca/recycle>

ENERGY STAR® criteria

<https://www.energystar.gov/products/sp ecs/node/148>

Sourcing more sustainable print

http://h10088.www1.hp.com/gap/download/sustainable_print_US.pdf

HP Paper Policy

<http://www.hp.com/hpinfo/globalcitizenship/environment/envprogram/paperpolicy.html>

HP Carbon footprint calculator

www.hp.com/go/carbonfootprint

Using duplex

Save up to 50% of paper waste

Duplex (double-sided) printing can cut your paper use by up to 50%, depending on the number of odd pages printed¹.

When purchasing a new printer, make sure it has the double-sided printing feature available. Set duplex as the default printer setting at no cost or manually load your pages if this automatic option is not available on your existing device. Tools such as HP Web Jetadmin and HP Universal Print Driver allow IT to set this paper-saving function as the default on networked printers and multifunction printers (MFPs).

Smart Print

Save up to 25% of paper waste

Print only the Internet content you need. Avoid wasting paper and ink or toner on unnecessary website advertisements and unwanted sections. You can reduce your paper waste by up to 25% when you print from the web using the free HP Smart Print application² (listed in useful links section).

Pull printing

Save 10% to 30% of paper waste

User-authenticated printing techniques, such as PIN and pull printing, store jobs on networked printers until the user collects them. The number of print jobs that are abandoned and ultimately reprinted is effectively reduced.

- Helps secure sensitive information which could otherwise be left uncollected at networked printers.

Many customers estimate a 10% to 30% reduction in paper waste through the use of pull printing³.

Original HP print cartridges

Original HP inkjet print cartridges produce 133% more pages per cartridge than tested refilled cartridges⁴

Deliver consistent page quality that can result in higher output, less wasted paper and a lower total cost of printing.

A set of Original HP Color LaserJet cartridges can cost up to \$76 less than remanufactured cartridges when you include the costs of reprinting low quality pages that don't meet a business customer's standards for external distribution⁵.

HP Planet Partners return & recycling program

Ensure the highest quality recycling by returning your used electronic products through HP Canada's Planet Partners recycling program (www.hp.ca/recycle).

PCs, printers, monitors, handhelds and more can be sent to HP designated recycling facilities for environmentally-sound management through this program. HP ink & toner cartridges, rechargeable batteries, as well as signs & banners can also be recycled for free.

HP white paper on sourcing more sustainable print

Reducing the footprint of purchased print jobs such as flyers, forms or marketing materials is easy. Use the HP Sourcing More Sustainable Print checklist (link below) to assess the environmental aspects of your print provider's technology and reduce print waste and potentially reduce costs.

Using the right paper

Making the right paper choice has an impact on the environmental footprint of printing. You can leverage HP's Paper Policy (link below), but the simplest first step is to ensure the paper you buy bears a responsible forestry practice certification logo (such as the Forest Stewardship Council® (FSC®)⁶) or contains post-consumer waste recycled content. Recycled papers typically contain anything from 10-100% of recycled content and a great option is FSC certified HP office recycled paper with 30% post-consumer waste recycled content.

Digitizing

HP multifunction printers make it easy to scan, store and share documents digitally. The need for printed faxes and the amount of paper used is thereby reduced for an organization.

Extreme Dialogue software from HP helps customers design statements, invoices and marketing collateral more effectively – and in doing so print more responsibly – through optimized whitespace management and householding. This results in fewer mailings with enterprise customers which saves paper and postage.

Eco printer services

HP has developed an 'ecosystem' of software to lessen the environmental impact of printing, including HP EcoSMART Fleet which helps businesses to collect usage data and monitor progress towards sustainable printing targets. HP Web Jetadmin allows IT departments to centrally manage their entire printing fleet, and HP Access Control Intelligent Print Manager encourages more environmentally-conscious printing habits among users.

Making the right printer choice

HP offers some truly amazing printing products, including the world's most energy-efficient laser printer⁷. HP has made it easier for customers to find out the environmental attributes of our top environmental products on the online EcoSolutions Store.

When purchasing a multifunction device, confirm that it is equipped with an energy-saver feature. HP's free web-based Carbon Footprint Calculator

can help estimate the energy and paper use and costs of new printers compared to legacy printers (HP and non-HP) (listed in useful links section).

HP Auto-On/Auto-Off technology

Reduce power consumption by up to 44%

The Power Save or Sleep mode included in most printers and multifunction printers (MFPs) on the market still use considerable amounts of energy. Auto-Off can use up to 26 times less energy than a traditional Sleep mode⁸.

Power consumption can also be reduced by up to 44% just by setting all your print devices to turn off at the end of the day⁹.

HP Auto-Off allows users to set their device to automatically turn off either when it detects a period of inactivity or at a preset time each day. Similarly, HP Auto-On allows users to decide whether their device will awaken at a preset time each day or if it will awaken when it senses activity.

Energy Efficiency

Reduce power consumption by up to 44%

Switching to energy-efficient products can help reduce energy consumption while simultaneously decreasing your energy bill.

In 2011, HP increased the overall energy efficiency of ink and laser printing products by 46% from 2005 levels, allowing customers to save 1.4 billion kWh in 2010¹⁰. Additionally, HP's energy-efficient toner can contribute to energy savings of up to 35% while printing¹¹.

ENERGY STAR® qualification

Products that earn the ENERGY STAR® qualification prevent greenhouse gas emissions by meeting strict energy efficiency guidelines. These products:

- Produce less heat and reduce cooling loads by about 15%, and up to 30% in warmer climates
- Use about half as much electricity – saving half in utility costs
- Automatically go into "sleep" mode after periods of inactivity¹²

For a listing of HP ENERGY STAR® qualified products, visit www.hp.com/go/energystar.



References

¹ Print Two-Side Manually.

<http://h71036.www7.hp.com/hho/cache/548309-0-0-225-121.html>

² For more information, please visit www.hp.com/go/smartprint

³ Save with HP Innovations. For more information, please visit http://h20424.www2.hp.com/program/wdyhts/enterpriseprint/au/en/manage_environment/hp_cost_saving.asp

⁴ Based on an February 2011, Buyers Laboratory Inc. (BLI) completed a study for HP designed to test the page yield and reliability performance of Original Hewlett-Packard (HP) #56 Black, #57 Color, #60XL Black, #60XL Color, #74XL Black and #75XL Color inkjet print cartridges compared to a sampling of cartridges from leading refill service providers.

⁵ HP calculation based on the average results of a QualityLogic 2010 study comparing Original HP LaserJet Print Cartridges with seven brands of non-HP toner cartridges sold in North America for the HP LaserJet P1505 and P4015 printers, HP 36A and 64A. For details, see <http://qualitylogic.com/NAmonotonertest.pdf>. Calculation includes paper, cartridge replacement and labor for reprints. Assumes equal number of pages for external, internal and individual use. Labor rate from Mercer 2009 Global Pay Study. Assumes purchase price for HP cartridge is \$170 and 30% lower purchase price for a non-HP toner cartridge. Actual prices, costs and savings may vary.

⁶ FSC®-C017543

⁷ HP LaserJet Pro P1102 Printer. For more information, please visit <http://www.hp.com/hpinfo/globalcitizenship/environment/techgallery/hp-laserjet-pro-p1102-printer.html>

⁸ Sourcing More Sustainable Print for your Organization. For more details, please visit http://www.hp.com/hpinfo/newsroom/press_kits/2010/pluginandprint/pdf/HPAOAO_Solution_Brief.pdf

⁹ Please see footnote 9

¹⁰ HP Environmental Goals and Policies. For more details, please visit <http://www8.hp.com/us/en/hp-information/environment/goals.html>

¹¹ Energy savings calculation based on comparing conventional HP toner to new energy-efficient HP toner during printing. The stated energy consumption is divided by pages per minute based on printing a standard test page. Actual savings may vary.

¹² For more details on ENERGY STAR, please visit <http://www8.hp.com/us/en/hp-information/environment/energystar.html>

