

HP Voluntary Carbon Market Disclosures



Pursuant to the California Health and Safety Code, Division 26, Part 10, Sections 44475.1 and 44475.2.

HP voluntary carbon offset overview

HP purchases voluntary carbon offsets to support its carbon neutral service contracts, care packs, and products. HP does not currently use voluntary carbon offsets towards any company emission goals.

HP's carbon neutral product and service offerings are described below, including the carbon footprint calculation methodology.

The voluntary carbon offsets that HP has purchased to support its carbon neutral product and service offerings are listed below.

To the extent that the California Health and Safety Code requires disclosure of HP carbon emission accounting related to its company emission goals not supported by voluntary carbon offsets that information is available at [HP's Climate Action Official Website](#).

HP carbon neutral product and service offerings

- **Direct Managed Print Services (dMPS)**

HP's direct Managed Print Services provide HP's dMPS customers printers for their business needs and a service contract for the upkeep of those printers. The dMPS carbon neutral service offering provides dMPS customers the opportunity to offset the estimated emissions of their dMPS printers, supplies and emissions associated with customer use.

HP's dMPS carbon neutral service offering covers the estimated lifetime emissions of the HP printer, genuine HP consumables, from raw material extraction and processing, to manufacturing and transportation, as well as power consumption and end-of-life. This carbon neutral service does not cover emissions associated with the paper used in the customer's printers, or with maintenance and repair of the customer's printers. Customers must choose to add the carbon neutral service to their dMPS contract for a fee. Customers are not automatically enrolled in the carbon neutral service. All dMPS products are eligible to enroll in HP's carbon neutral service. A customer has the option of enrolling at the time of signing or renewing a contract. This carbon neutral program is certified through a third party.

HP estimates the total lifecycle carbon emissions of all dMPS products using a Life Cycle Assessment (LCA) conforming to ISO 14040 and ISO 14044 standards. ISO 14040 and ISO 14044 establish the principles and requirements for Life Cycle Assessments. This LCA model is reviewed and verified by a third party.

- **Component Managed Print Services (cMPS)**

The HP cMPS print service allows HP-certified resellers to provide services related to their own customers' HP printers, which are then part of Managed Print Services (MPS) contracts. With HP carbon neutral product certification, HP provides these resellers with the ability to offset the estimated emissions of their customers' HP printers.

HP cMPS carbon neutral product certification covers the lifetime emissions of the HP printer, genuine HP consumables, from raw material extraction and processing, to manufacturing and transportation, as well as power consumption and end-of-life. This does not cover emissions associated with the paper used in the customer's printers, or with maintenance and repair of the customer's printers. Resellers may choose to add HP carbon neutral product certification to their contract for a fee. End customers do not automatically sign up for HP carbon neutral product certification but can choose to do so for printers that are part of the cMPS contract. This carbon neutral program is certified through a third party.

HP estimates the CO₂e emissions of all HP printers used as part of the cMPS service using a Life Cycle Assessment (LCA) that complies with ISO 14040 and ISO 14044 standards. ISO 14040 and ISO 14044 establish the principles and requirements for Life Cycle Assessments. This LCA model is reviewed and verified by a third party.

- **HP Carbon Neutral Computing Services**

HP Carbon Neutral Computing Services are a set of services enabling customers to offset the CO₂e (carbon dioxide equivalent) footprint of HP business PCs purchased from HP. Emissions associated with product maintenance and repair are not considered. HP Carbon Neutral Computing Services are a paid option that the customer must choose to add at the time of purchase (certain configurations may however be offered as standard with these services). All professional personal systems purchased directly from HP can be integrated into HP Carbon Neutral Computing Services.

HP Carbon Neutral Computing Services offer two carbon neutral solutions that are certified through a third party:

- TO THE DOOR (Manufacturing Delivery): this solution enables the HP personal systems concerned to be delivered to the customer with a neutral carbon footprint. This offset covers the carbon footprint of raw materials extraction, manufacturing, assembly and transportation.
- LIFECYCLE (Manufacturing Delivery Use): this solution enables HP personal systems to remain carbon-neutral throughout their lifecycle. It includes the previous solution and also offsets the carbon footprint of the intended use of the equipment and the end-of-life process.

Both solutions are offset using the same methodology. HP calculates the carbon footprint of business PCs offered in HP Carbon Neutral Computing Services using the ISO 14040 and ISO 14044 Life Cycle Assessment (LCA) standards. ISO 14040 and ISO 14044 establish the principles and requirements for Life Cycle Assessments. This LCA model is reviewed and verified by a third party.

- **HP Indigo Digital Presses - Carbon Neutral "Cradle to Gate"**

The carbon footprint of HP Indigo digital presses manufacturing process is calculated "cradle to factory gate". It consists of raw materials extraction and processing, transportation, and manufacturing. It does not include the transportation of the press to the customer site, the use

phase of the press and the end-of-life. This carbon neutral program has not been verified by a third party.

- HP Indigo has calculated the carbon footprint of HP Indigo digital presses manufacturing using PAS2050 standard on product carbon footprint. Compliance with PAS2050 was not third-party verified.

- **[HP EvoMore Original Ink Cartridges](#) - Carbon Neutral Product**

EvoMore ink cartridges print twice the number of pages than the standard cartridge, using the same materials, thereby requiring less frequent replacements. They are designed to have twice as many pages as standard cartridges. The result is fewer cartridge replacements using the same materials which decreases greenhouse gas emissions from plastic use, manufacturing, packaging, waste, and transportation.

EvoMore Original Ink cartridges are certified as a carbon neutral product over the entire lifecycle. Product emissions are offset for manufacturing, transportation, and end of life.

HP estimates the CO₂e emissions of all HP supplies using a Life Cycle Assessment (LCA) that complies with ISO 14040 and ISO 14044 standards. ISO 14040 and ISO 14044 establish the principles and requirements for Life Cycle Assessments. This LCA model is reviewed and verified by a third party.

Carbon Offset Projects (as of Dec 6, 2023)

Official Project Name	Purchased via	Country	Registry ID (project link)	Standard(s)	Protocol	Project Type
Adjusted Water Management in Rice Cultivation in South Jiangjin District	Climate Impact Partners	China	VCS 2629	VCS	AMS-III.AU	Avoidance
Afforestation of Degraded Grasslands in Vichada, Colombia	Climate Impact Partners	Colombia	VCS 2512	VCS, CCB	AR-ACM0003	Removal
Albany Water Board - Improved Forest Management Project	Climate Impact Partners	United States	ACR 424	ACR	Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands v.1.3	Avoidance/ Removal
Amayo 40 MW Wind Power Project – Nicaragua	Climate Impact Partners	Nicaragua	GS 567	Gold Standard	ACM0002 Grid-connected electricity generation from renewable sources	Avoidance/ Emission Reduction

Official Project Name	Purchased via	Country	Registry ID (project link)	Standard(s)	Protocol	Project Type
Anew - Massachusetts Tri-City Forestry Project	Arbor Day Foundation	United States	ACR 376	ACR	Improved Forest Management Methodology for Quantifying GHG Removals and Emission Reductions through Increased Forest Carbon Sequestration on Non-Federal U.S. Forestlands v1.2	Improved Forest Management (avoided emissions)
Darkwoods Forest Carbon Project	Climate Impact Partners	Canada	VCS 607	VCS, CCB	VM0012	Avoidance/Removal
Ethanol Biofuel Stoves GS7504: CPA-KE-008 KISUMU GS7505: CPA-KE-009 KENYA	Climate Impact Partners	Kenya	GS 7504 & GS 7505	Gold Standard, CER	AMS-I.E / AMS-III.AV	Reduction
Gola REDD Project	Climate Impact Partners	Sierra Leone	VCS 1201	VCS, CCB	VM0007	Avoidance/Emission Reduction
GreenTrees ACRE (Advanced Carbon Restored Ecosystem)	Climate Impact Partners	United States	ACR 115	ACR	Methodology for Afforestation and Reforestation of Degraded Land v1.2	Avoidance/Emission Reduction
Guoluo Grassland Sustainable Management Project	Climate Impact Partners	China	VCS 2458	VCS, CCB	VM0026	Removal
Household Biogas Plants in Rural Parts of Central India	Climate Impact Partners	India	GS 10782	Gold Standard, VER	AMS-I.E	Reduction

Official Project Name	Purchased via	Country	Registry ID (project link)	Standard(s)	Protocol	Project Type
MicroEnergy Credits – Microfinance for Clean Energy Product Lines – India	Climate Impact Partners	India	CDM Project 9181	CDM	AMS-II.G / AMS-III.AV / AMS-I.A	Avoidance/ Emission Reduction
Reduced Emissions from Deforestation and Degradation in Seima Protection Forest, Cambodia	Arbor Day Foundation	Cambodia	VCS 1650	VCS, CCB	VM0015 v1.1 – Methodology for Avoided Unplanned Deforestation	Reduced Emissions from Deforestation and Degradation (avoided emissions)
Reforestation Of Degraded Forest Reserves in Ghana	Climate Impact Partners	Ghana	VCS 987	VCS	AR-AM0003	Removal
Rimba Raya Biodiversity Reserve Project	Climate Impact Partners	Indonesia	VCS 674	VCS, CCB	VM0004	Avoidance/ Emission Reduction