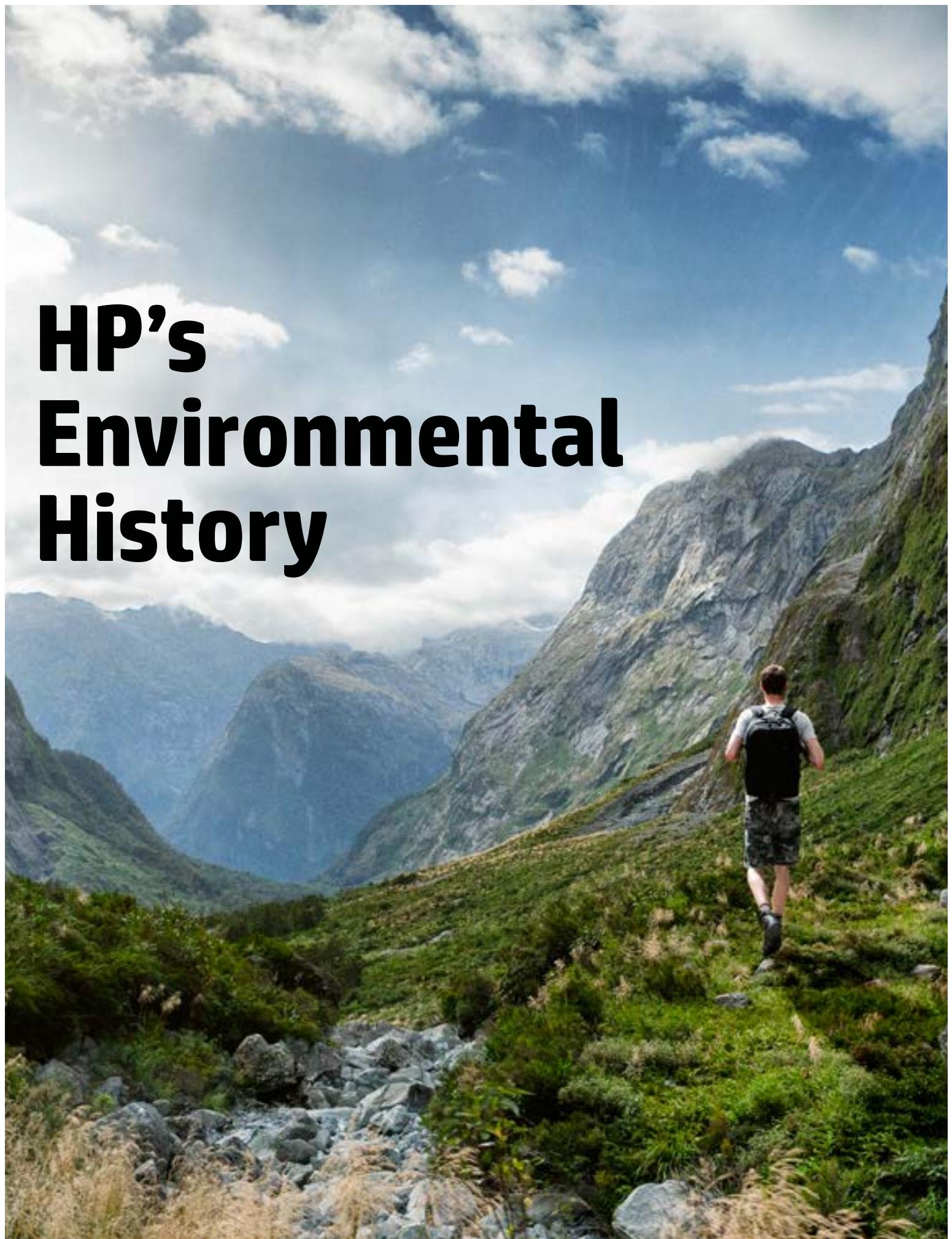
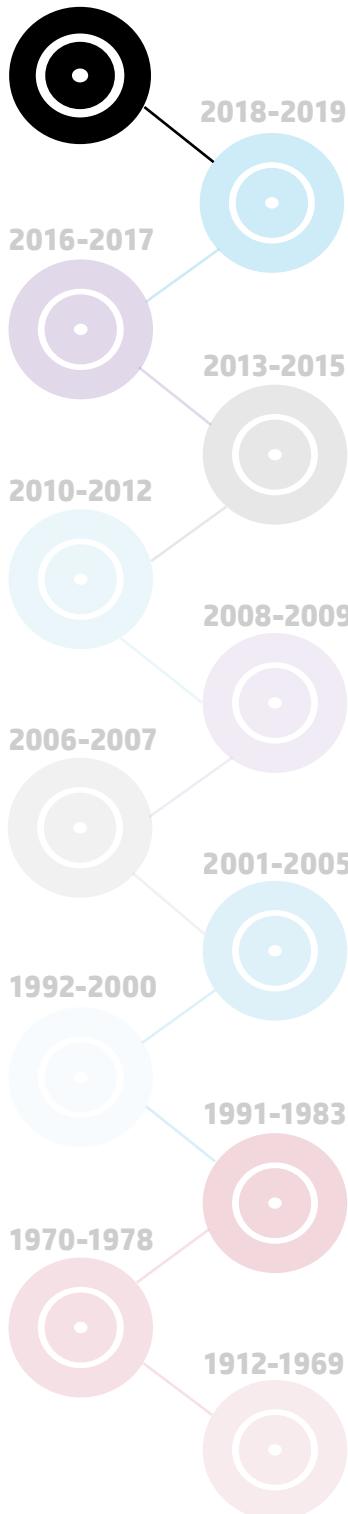


# **HP's Environmental History**



## 2020-2022



HP has a long and distinguished tradition of environmental activism with roots reaching deep into its past. The following timeline reflects the early, organic rise of environmental practices and shifts to corporate level practices and initiatives up to present day.

## 2022

- HP has used 2.86 million pounds of ocean-bound plastic in HP products since 2016—equivalent to more than 102 million bottles.

## 2021

- HP unveiled some of the technology industry's most comprehensive and ambitious climate action goals, including:
  - Achieving net zero greenhouse (GHG) emissions across its value chain by 2040
  - Halving absolute value chain GHG emissions by 2030<sup>1</sup>
  - Ensuring 75% product and packaging circularity, by weight, by 2030
  - Counteracting deforestation for non-HP paper used in our products and print services by 2030<sup>2</sup>
- HP announced an \$80 million partnership expansion with World Wildlife Fund (WWF) to ensure paper printed with an HP product or service will help restore, protect and improve the health of forests by 2030.
- HP has used 1.8 million pounds of ocean-bound plastic in HP products since 2016—equivalent to more than 65 million bottles.
- For the third year in a row, HP was the only technology company globally to receive a triple A rating across CDP's Climate, Water and Forests lists, and be named to the Supplier Engagement Leaderboard.

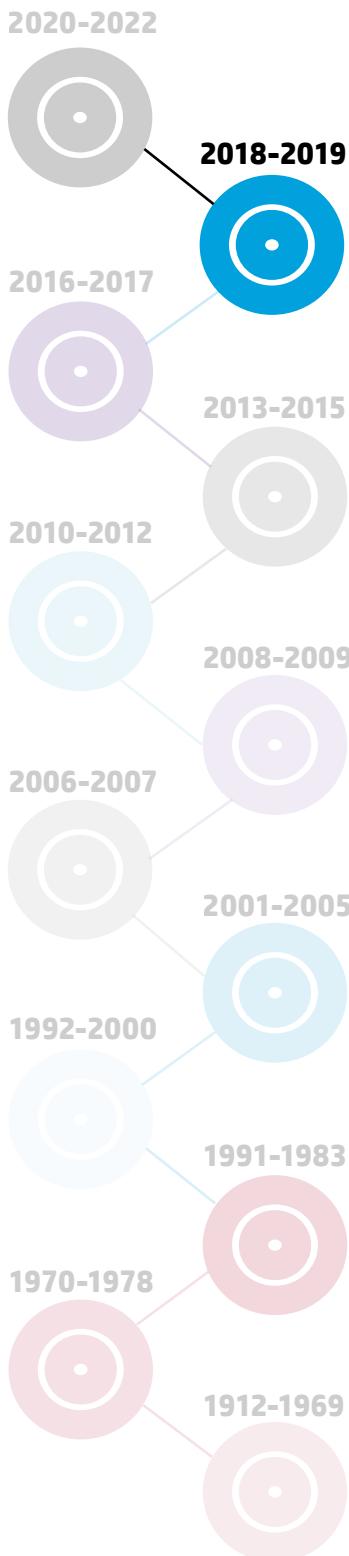
## 2020

- Through 2020, we manufactured over 4.9 billion Original HP and Samsung Cartridges using a cumulative 125,000 tonnes of recycled plastic, including from recycled HP cartridges. This has kept 916 million Original HP Cartridges and an estimated 127 million apparel hangers and 5.0 billion postconsumer plastic bottles out of landfills and oceans, instead upcycling these materials for continued use. More than 85% of our Original HP Ink Cartridges contain 4–75% postconsumer recycled content, and 100% of Original HP Toner Cartridges contain 1–75% postconsumer or post-industrial recycled content.<sup>3</sup>
- HP has sourced more than 25 million plastic bottles—the equivalent of about 716,000 pounds or 325 tonnes—of ocean-bound plastic for use in manufacturing new Original HP ink cartridges.
- HP set an interim goal to achieve 60% renewable electricity in its global operations by 2025 and 100% by 2035, after reaching its original interim goal of 40% in 2017, three years early.
- After meeting a goal of reducing global Scope 1 and 2 GHG emissions from its operations by 25% by 2025 compared to 2015, HP set a new goal of 60% by 2025, compared to 2015.
- HP became the first company to have its desktops, notebooks, all-in-ones, workstations, and thin clients registered on the EPEAT 2019 Gold and Silver ecolabel registry.
- HP was one of the companies to sign on to the Renewable Thermal Energy Buyers' Statement, which indicates their demand for market-ready, sustainable, renewable thermal solutions to meet their economic, GHG emission reduction, and renewable energy goals.
- HP placed #5 on the Carbon Clean 200, a list organized by Corporate Knights and As You Sow that ranks the largest 200 public companies based on green energy revenues.
- For the third year in a row, HP earned a spot on the CDP Supplier Engagement Leader Board from the 5,000 companies that were assessed.
- For the second consecutive year, HP received an EPA ENERGY STAR Partner of the Year Award for its efforts to design energy-efficient products and initiatives.
- HP received a Sustainability Leadership Award from the Smart Freight Centre for its efforts to reduce CO<sub>2</sub> emissions across its global freight supply chain and drive actions with various logistics environmental industry associations.
- For the fifth consecutive year, HP was named to the CDP Climate Change A List for the actions it takes to cut emissions, mitigate climate risks, and develop a low-carbon economy.

<sup>1</sup> Absolute reduction of Scope 1, 2, and 3 GHG emission compared to 2019. Excludes non-HP paper consumed during product use.

<sup>2</sup> Fiber by weight will be 1) certified to rigorous third-party standards, 2) recycled or 3) balanced by forest restoration, protection, and other initiatives through HP's Forest Positive Framework. Paper does not include fiber-based substrates for HP industrial presses not listed in HP Media Solutions Locator catalogues.

<sup>3</sup> 100% of Original HP Toner Cartridges contain between 1–75% postconsumer or post-industrial recycled content. Does not include toner bottles. See [hp.com/go/TonerRecycledContent](http://hp.com/go/TonerRecycledContent) for list. More than 85% of Original HP Ink cartridges contain between 4–75% recycled plastic. Does not include ink bottles and other products not listed. See [hp.com/go/InkRecycledContent](http://hp.com/go/InkRecycledContent) for list.



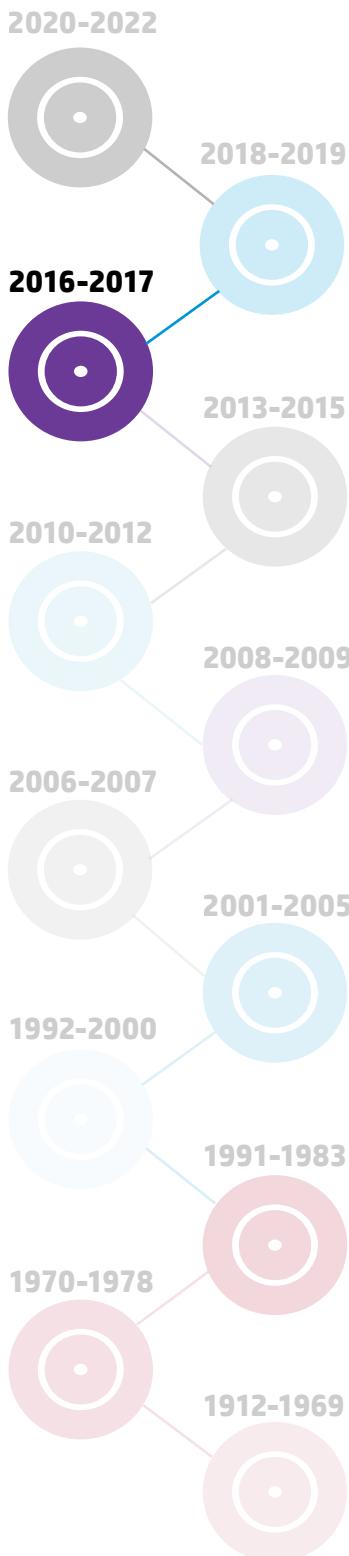
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- For the fifth consecutive year, HP was named to the CDP Climate Change A List for the actions it takes to cut emissions, mitigate climate risks, and develop a low-carbon economy.

## 2018

- HP announced that it had sourced more than 550,000 pounds—or 250 tonnes—of ocean-bound plastic for use in manufacturing new Original HP ink cartridges.
- HP joined NextWave Plastics, a consortium of worldwide businesses committed to scaling the use of ocean-bound plastics by developing a global network of ocean-bound plastics supply chains.
- HP was one of 21 companies to sign on to the Step Up Declaration, an alliance dedicated to harnessing the power of emerging technologies and the 4th industrial revolution to help reduce GHG emissions.
- HP wins EPA Smartway Excellence Award for third consecutive year and fifth time overall.
- For the first time, HP appeared on the U.S. EPA's National Top 100 List of the largest green power users from the Green Power Partnership.
- HP signed on to the Oslo Climate Leadership Declaration, which was publicly announced at the Business for Peace Summit.
- HP received an EPA ENERGY STAR Partner of the Year Award in the Product Brand Owner category for its efforts to design energy-efficient products and initiatives.
- HP was named the first technology company in California to achieve the TRUE (Total Resource Use and Efficiency) Zero Waste certification administered by Green Business Certification Inc.
- HP was one of 58 companies to earn a place on CDP's Supplier Engagement leader board for the actions it's taking to manage carbon and climate change across its supply chain.
- HP joined the Race to Zero initiative, a program led by the Paulson Institute and the China Center for International Economic Exchanges, that encourages companies to drive toward zero-carbon, zero-waste business practices.
- HP ranked #25 globally out of 500 companies in Newsweek's 2017 Green Rankings, placing it among the top 5 percent in the world.

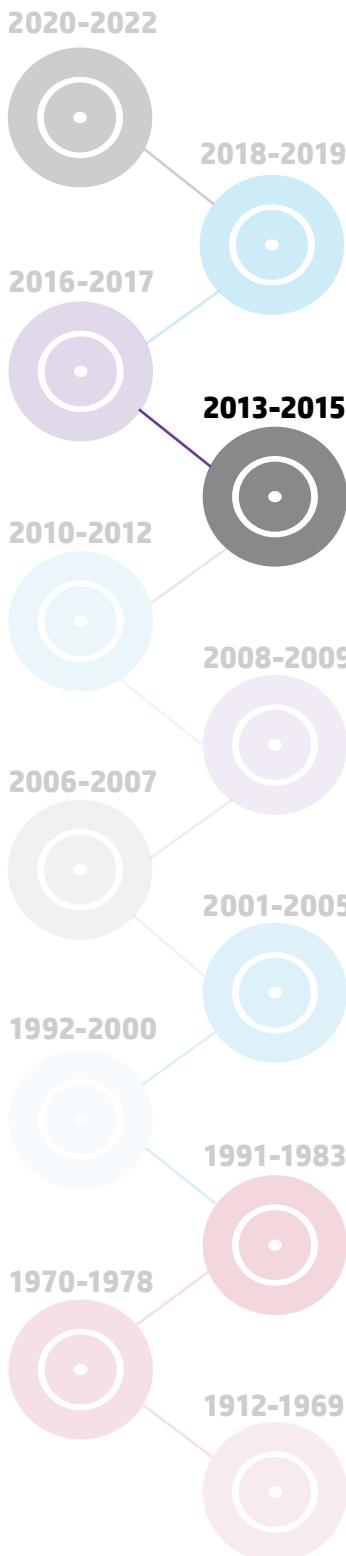
## 2017



- HP was one of the first 10 companies to join The Climate Group' EV100 initiative, a campaign designed to fast-track the uptake of electric vehicles.
- HP's Boise Idaho Campus was awarded Gold under the Sustainable SITES Initiative (SITES) rating system for its sustainable landscaping project, becoming the first corporate campus in the world to be certified using the SITES v2 rating system.
- HP was one of only 25 companies to score an "A" on the CDP Climate and Water "A" Lists.
- HP announces its commitment to reduce first-tier production supplier and product transportation-related GHG emissions intensity 10% by 2025, compared to 2015.
- HP creates environmental and social impact in Haiti with launch of Original HP Ink Cartridges made from recycled bottles collected in the country. Original HP Ink Cartridges are the first HP product to be made with ocean bound plastics. See [hp.com/InkRecycledContent](http://hp.com/InkRecycledContent) for list.
- HP announced a new science-based target to reduce Scope 1 and Scope 2 GHG emissions from its global operations by 25% by 2025, compared to 2015.
- HP published the names and locations of its recycling vendors as part of an effort to raise the bar for transparency in the IT industry and to highlight the high standards it sets for those vendors.
- HP received the World Environment Center's Gold Medal Award for International Corporate Achievement in Sustainable Development.
- HP established a goal to reduce potable water consumption in global operations by 15% by 2025, compared to 2015.
- HP received an EPA ENERGY STAR Award for Excellence in Energy-Efficient Product Design for its commitment to making more energy-efficient products available in the marketplace.
- HP is one of the inaugural signatories—and first consumer electronic products company—to sign onto BSR's Sustainable Fuel Buyers' Principles.

## 2016

- HP announces its goal to help suppliers cut 2 million tonnes of carbon dioxide equivalent (CO<sub>2</sub>e) emissions between 2010 and 2025. Through December 2016, suppliers achieved 47% of this target through new and ongoing energy efficiency projects, energy management programs, and renewable energy use.
- HP is named to CDP's "Climate Change A List" for the third consecutive year, its inaugural "Forest A List", and its inaugural Supplier Engagement Leaders Board.
- HP achieves a 19% decrease towards its commitment to reduce the GHG emissions intensity of HP's product portfolio by 25% by 2020, compared to 2010, partly due to an ongoing shift in our personal systems product mix to smaller, more energy-efficient devices.
- HP makes a commitment to achieve zero deforestation by 2020. All HP brand paper and paper-based product packaging will be derived from certified and recycled sources by 2020, with a preference for virgin fiber from FSC-certified sources.
- HP wins EPA Smartway Excellence Award for third consecutive year and fifth time overall.
- HP announces its commitment to use 100% renewable electricity in its global operations, with an interim goal of reaching 40% renewable electricity by 2020. As part of this goal, HP joins RE100, a global initiative of top businesses committed to 100% renewable electricity.
- HP set a new goal to recycle 1.2 million tonnes of hardware and supplies by 2025, since the beginning of 2016.
- HP announces a joint initiative with Thread International and First Mile Coalition aimed at improving the lives of children and their families who collect recyclable materials in Haiti, by providing the children with educational opportunities, physical exams, and health and safety training, and the adults with job training.



## 2015

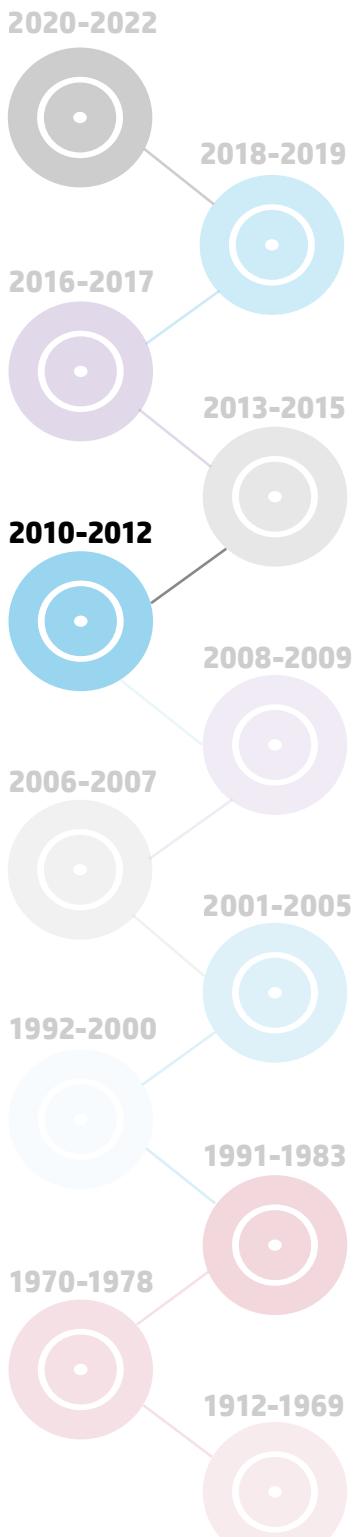
- HP joins more than 100 major U.S. businesses calling for governments to take decisive action at COP21 to tackle climate change in order to minimize climate risk and boost the economy.
- Since the inception of its closed loop recycling program, HP has manufactured more than 2.7 billion ink cartridges using over 110 million pounds of recycled plastic from over 420 million HP ink cartridges recovered through the HP Planet Partners program, 50 million apparel hangers, and 3.3 billion plastic bottles—diverting on average more than 1 million bottles per day from landfills.
- For the second year, HP was among just 5% of companies participating in CDP's climate change program to be awarded a position on the "A" List in the CDP 2015 Global Climate Change Report.
- HP signs a 12-year power purchase agreement for 112 megawatts of wind power with SunEdison, Inc. that will power 100% of HP's Texas-based data center operations. The agreement also allows HP to reach its 2020 operational GHG emissions reduction goal by the end of FY15 (October 2015), five years ahead of schedule.
- Best Buy becomes the latest U.S. retail partner offering take-back services for HP print cartridges, joining Office Depot, OfficeMax, Staples, and Walmart.

## 2014

- HP publishes our complete water footprint, making us among the first companies globally to disclose this level of information.
- In the CDP S&P 500 Climate Change Report 2014, HP earned the highest possible score of 100 on the Carbon Disclosure Leadership Index and placed in the highest performance band of "A" on the Climate Performance Leadership Index.
- HP announces our goal to reduce the emissions intensity of our product portfolio by 40% by 2020 compared to 2010 levels.
- HP opens the first large-scale recycling facility in East Africa and the first take-back system for electronic waste in Kenya. HP was recognized for these efforts with a Guardian Sustainable Business Award 2014 from The Guardian publication.
- HP announces that more than 75 % of our ink cartridges and 24 % of HP LaserJet toner cartridges are now manufactured with "closed loop" recycled plastic. This milestone represents a 50 % increase in the number of HP ink cartridges manufactured with recycled content in the last year.
- HP creates HP Earth Insights, a unique early warning system for threatened species using the power of big data solutions, in collaboration with Conservation International.

## 2013

- HP sets the industry's first supply chain GHG emissions intensity reduction goal: a 20% decrease in first-tier manufacturing and product transportation-related GHG emissions intensity by 2020, compared to 2010.
- HP publishes our complete carbon footprint, making us among the first companies globally to disclose this level of information.
- The HP Everyday Paper line in North America is certified by the Forest Stewardship Council (FSC), making HP one of the region's first major original equipment manufacturer (OEM) office paper brands to offer a complete portfolio of papers that is entirely FSC certified.
- HP has used more than 118 million pounds of recycled content—keeping 280 million cartridges and a milestone of 2 billion post-consumer plastic bottles out of landfills.
- HP releases the HP Officejet Pro X, the world's fastest desktop printer as recognized by Guinness World Records, which uses up to 50% less energy and HP 970 and 971 ink cartridges which create up to 50% less supplies waste than laser, while offering comparable quality.
- HP is the first IT company to publish its supply chain water footprint.
- HP increases the number of U.S. take-back locations for HP print cartridges to more than 7,000 through partnerships with Office Depot, OfficeMax, Staples and Walmart.



## 2012

- HP is the highest ranked electronics company in Interbrand's Best Global Green Brands Ranking.
- Walmart joins HP's Planet Partners ink program for our first multi-brand ink cartridge take-back.
- HP is named to the FTSE4Good Index for the ninth year in a row. The index objectively measures the performance of companies that meet globally recognized corporate responsibility standards.
- HP and Staples team to offer free electronics recycling for all brands of office electronics at U.S. Staples stores.
- Since launching our supply chain social and environmental responsibility (SER) program in 2000, HP conducts 760 supplier audits.

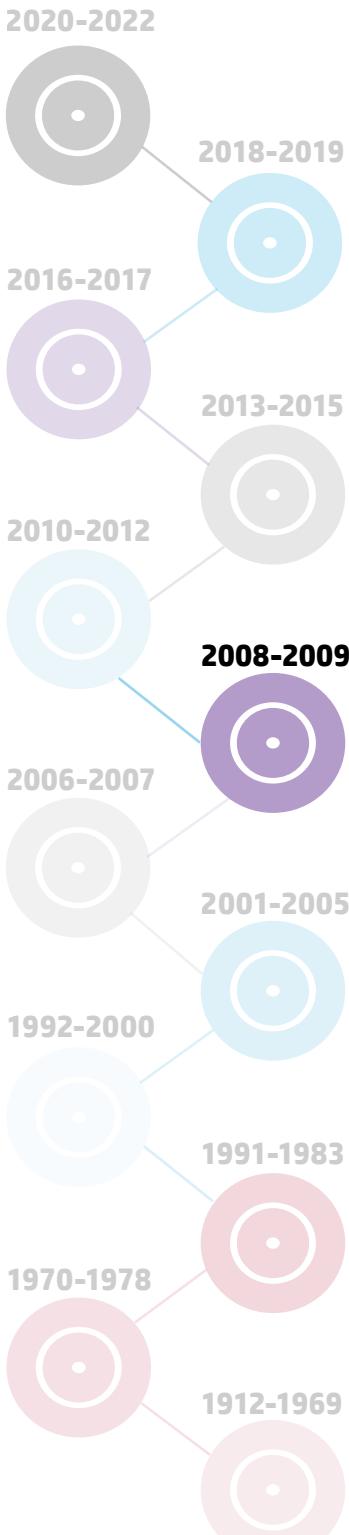
## 2011

- HP is ranked #1 in the electronics sector of the 2011 Climate Counts Company Scorecard, which scores the world's largest companies on their climate impact. HP was also placed in the new top-tier "striding" category, which highlights companies that are "striding towards a low-carbon future."
- In the annual Newsweek Green Rankings, HP is ranked second on the America's Greenest Companies list and fifteenth in the world.
- The recycled plastic used in Original HP ink cartridges has up to a 33% smaller carbon footprint than the virgin plastic used in Original HP ink cartridges.\*
- HP reaches a milestone recycling two billion pounds of electronic products and supplies since 1987.
- HP is named to the Carbon Disclosure Project's S&P 500 "Carbon Disclosure Leadership Index."
- HP meets our 2013 goal to reduce greenhouse gas emissions from operations by 20% against our 2005 baseline, two years early.
- HP becomes an official member of the Forest Stewardship Council (FSC), and meets our 2009 goal that 40% or more of HP-branded paper sold would be FSC certified or have more than 30% postconsumer waste content by the end of 2011.
- HP ranks the highest among electronics companies on Interbrand's "Best Global Green Brand 2011" ranking.
- HP is recognized by Mediacorp Canada as one of Canada's Greenest Employers for the fourth year in a row.
- The MFP HP F4480 printer is named the winner of a GREENBEST award in Brazil. The printer was chosen based on its environmentally sound design, use of recycled plastics in both the printer and HP cartridges, and its ENERGY STAR® certification.
- HP announces 50% improvement in energy efficiency of products, nine months ahead of schedule, exceeding original goal set in 2009 of 40% by the end of 2011.

## 2010

- HP climbs to #2 in the Climate Counts Scorecard and repeats as #1 in the Electronics sector.
- HP is selected as technology provider for 2010 UN Climate Change Conference.
- HP Scitex FB700 Printer leads the market transition from solvent-based large format printers to UV-curable technologies as part of the expanded HP portfolio of sign and display printing solutions
- HP is named #1 on Corporate Responsibility Magazine's 100 Best Corporate Citizens list as a result of its scores in seven criteria categories: environment, climate change, human rights, philanthropy, employee relations, financial and corporate governance.
- HP introduces the HP LaserJet Pro P1100 Printer, the most energy-efficient laser printer on the planet, which saves up to 72% on energy costs compared to its predecessor.
- HP contributes to the ITRI Tin Supply Chain Initiative Mineral Traceability Project in Democratic Republic of Congo.

\*For cartridges produced in 2010 and beyond. Based on a 2010 life cycle assessment (LCA) performed by Four Elements Consulting and commissioned by HP. The study compared the environmental impact of using polyethylene terephthalate (PET) plastic with the environmental impact of using recycled PET to manufacture new Original HP ink cartridges. For details, see [hp.com/go/RecycledPlasticsLCA](http://hp.com/go/RecycledPlasticsLCA).



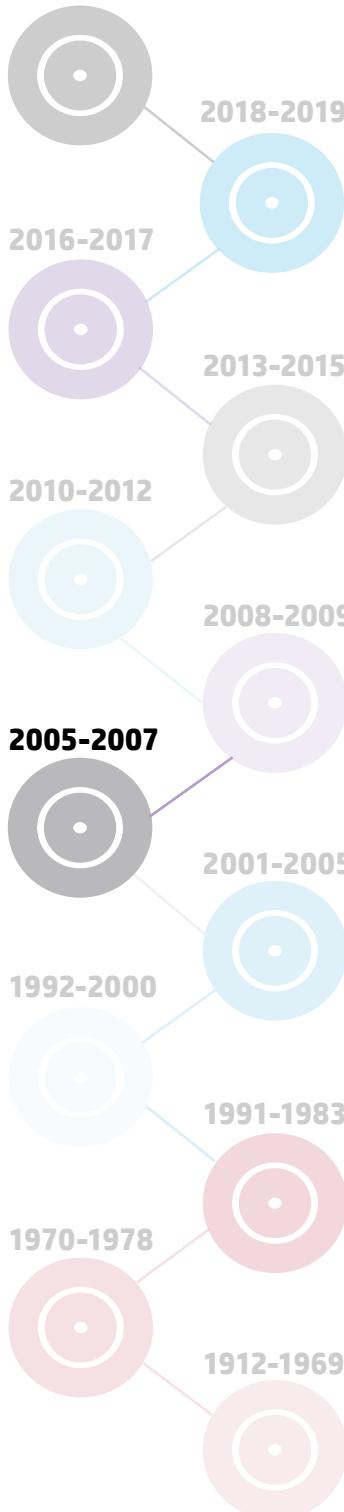
## 2009

- HP tops Newsweek's Green Rankings of Americas 500 Largest Corporations. Strengths highlighted included programs to reduce greenhouse gas emissions and reporting GHG emissions associated with its supply chain, an IT industry first.
- HP recycles for reuse 3.6 million hardware units weighing 30,000 tonnes and recycled 118,000 tonnes.
- HP ranks #1 in the Climate Counts Scorecard for the Electronics Sector.
- A year ahead of schedule, HP exceeds its goal to triple the amount of recycled materials used in HP inkjet printers relative to 2007.
- HP introduces HP Compaq 8000f Elite Ultra-slim PC, the first Windows-based desktop PC that is BFR/PVC-free from the wall to the mouse for every configuration sold.
- HP diverted 88.8% of waste from landfill, exceeding the 2009 goal of 87%.
- HP signs the 2009 Copenhagen Communiqué on Climate Change that calls for a UN climate framework to be developed.
- HP joins with other business leaders to support comprehensive U.S. legislation that will cut carbon pollution and create an economy-wide cap and trade program.
- A year ahead of schedule, HP meets its goal to reduce combined energy consumption and associated greenhouse gas emissions of HP operations and products to 25% below 2005 levels by 2010.
- HP is named in the list of "Global 100 Most Sustainable Corporations in the World" by Corporate Knights and Innowest.
- HP expands trade-in program, offering free recycling to U.S. customers. Consumers can receive cash for unwanted technology or, if there is no value, to recycle it.

## 2008

- HP qualifies for the U.S. Environmental Protection Agency's (EPA) SmartWay logo labeling program to reduce fuel consumption, greenhouse gas, and other air emissions of surface transportation carriers. HP is also the first company of the EPA's approximately 950 SmartWay Transport Partners to qualify to have the SmartWay logo placed on its product packaging.
- HP is the first IT company to release the greenhouse gas emissions associated with its products manufacturing by publishing the emissions attributed to its first tier suppliers.
- HP introduces the HP DeskJet D2545 Printer, the company's first printer made almost entirely from recycled plastic material, at 83% of the printer's total plastic weight.
- HP wins Walmart's environmental design challenge by replacing a PC's conventional cardboard and plastic packaging with a reusable bag made from 100% recycled materials. The design reduces product packaging by 97%, conserves fuel and reduces CO<sub>2</sub> emissions of delivery trucks by 25%.
- HP reduces the greenhouse gas emissions associated with its energy use by 4% compared to 2007 in absolute terms and 13% normalized to revenue.
- HP announces it has recovered for reuse 3.5 million hardware units weighing 75 million pounds and increased its recycling volume to 265 million pounds.
- In the U.S., HP is one of the first companies awarded the Green Recycling and Asset Disposal for the Enterprise (GRADE) certification by the research organization IDC.
- Through the new HP Consumer Buyback and Planet Partners Recycling Program, consumers receive cash back for their unwanted PCs, monitors, printers, digital cameras, PDAs and smartphones of any brand. If there is no value, consumers can responsibly recycle their HP and Compaq-branded products free of charge.
- HP expands the HP Planet Partners print cartridge return and recycling program to include HP authorized retail recycling locations for HP ink cartridge and LaserJet toner cartridge collection, in addition to other recycling options.
- HP announces an industry-first engineering breakthrough that uses recycled content from cartridges returned through the HP Planet Partners program, as well as materials such as plastic water bottles, in the manufacture of new Original HP Ink Cartridges. Original HP Ink Cartridges are the first HP product to contain recycled plastic bottles.

2020-2022



## 2007

- HP exceeded its goal to recycle 1 billion pounds of electronic products and supplies by the end of 2007.
- HP used more than 5 million pounds of recycled plastic in its original HP inkjet cartridges and committed to using twice as much in 2008.
- As part of its efforts to remove substances of concern, HP introduced the HP Compaq 2710p Notebook PC and the HP Compaq 2510p Notebook PC, which use light-emitting diodes (LEDs) instead of mercury lamps as a light source.

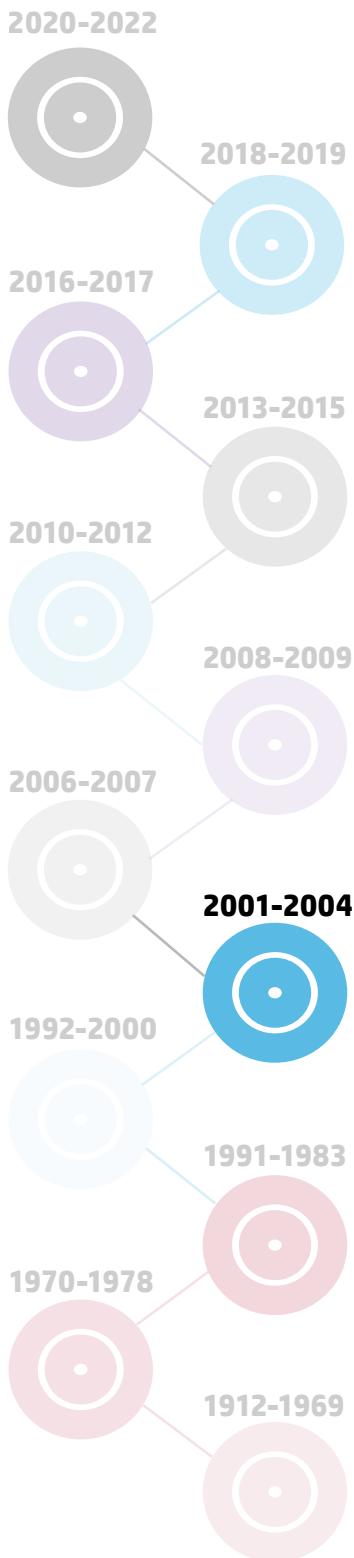
## 2006

- HP expands its product take back programs throughout Asia Pacific and Japan, where the company has aligned its trade-in, refurbishing and recycling operations to offer full asset-recovery services to commercial customers in the region.
- More than 30 HP business computing and display products are included in an independent online registry that helps institutional buyers select computer products based on their environmental attributes. Twenty-six of HP's 32 registered products have received "silver" recognition, the highest level bestowed to any manufacturer's product thus far.
- HP reduces onsite greenhouse gas emissions in 2006 by 31% from 2005 levels, surpassing its goal to reduce onsite greenhouse gas emissions by 18% from 2005 levels.
- HP and World Wildlife Fund, a joint initiative by HP to reduce greenhouse gas emissions from its operating facilities worldwide, educate and inspire others to adopt best practices, and use HP technology in conservation efforts around the world.
- HP launches the Focused Improvement Supplier Initiative in China and the Central European Supplier Responsibility project, two capability building projects to help suppliers build management skills and share best practices.
- HP collects more than 2.5 million units of hardware globally—weighing more than 50 million pounds to be refurbished for resale or donated.
- HP recycles more than 164 million pounds of hardware and HP print cartridges globally, an increase of 16% over the previous year and the equivalent weight of more than 600 jumbo jet airliners.

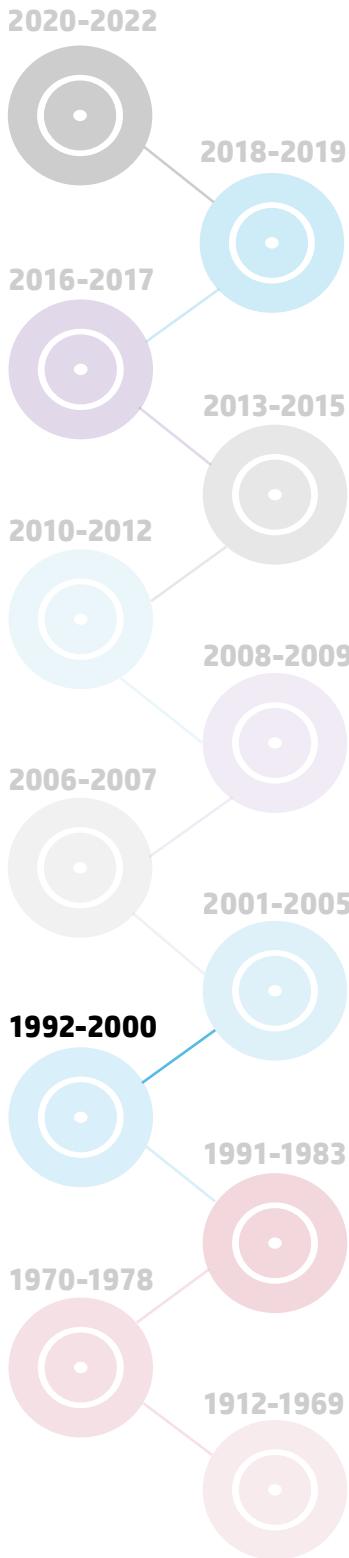
## 2005

- HP begins a free hardware recycling service for commercial and enterprise customers in European Union countries who purchase replacement HP products, in advance of the implementation of the EU Waste Electrical and Electronic Equipment Directive.
- HP establishes the Environmental Strategies (CES) Council to develop and recommend environmental strategies, policies and positions to the Executive Council and to help HP achieve its environmental mission.

## 2001-2004



# 1992-2000



## 2000

- HP is one of the first global businesses to achieve companywide certification of its worldwide manufacturing operations to ISO 14001—a voluntary international standard that defines the elements of an environmental management system (EMS) needed for an organization to effectively manage its impact on the environment.

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## 1998

- A small group of HP employees come together with sponsorship from HP Labs, to hold a two-day, low-budget conference on the topic of “New Business Opportunities for HP in Sustainable Development.” The 100+ HP employees founded the HP Sustainability Network.

## 1997

- HP opens its first recycling facility in Roseville, Calif., becoming the only major computer manufacturer to operate its own end- to-end recycling facility.
- Planet Partners program expands to include the recycling of HP Inkjet printcartridges.

## 1996

- The 10 millionth LaserJet cartridges is recycled through Planet Partners.
- HP signs a voluntary agreement with the EPA to reduce air emissions of per fluorocarbons, which are used in semiconductor manufacturing and are believed to contribute to global warming.

## 1995

- Product Life Cycle Integration begins ensuring that the lifecycle of a product encompasses everything from design and manufacture through packaging, customer use and recycling or disposal.

## 1994

- First multi-function printer/fax/copier ships. Product uses less power and represents a 30% reduction in materials used due to consolidation of three products in to one further reducing the company’s environmental footprint.
- HP becomes one of the first companies worldwide to encourage telecommuting by formalizing its telecommuting policy.
- HP’s first packaging management system is created and includes environmental guidelines. The aim of the systems is to decrease the environmental impact of HP’s product packaging.
- HP publishes its first annual “Commitment to the Environment” report.

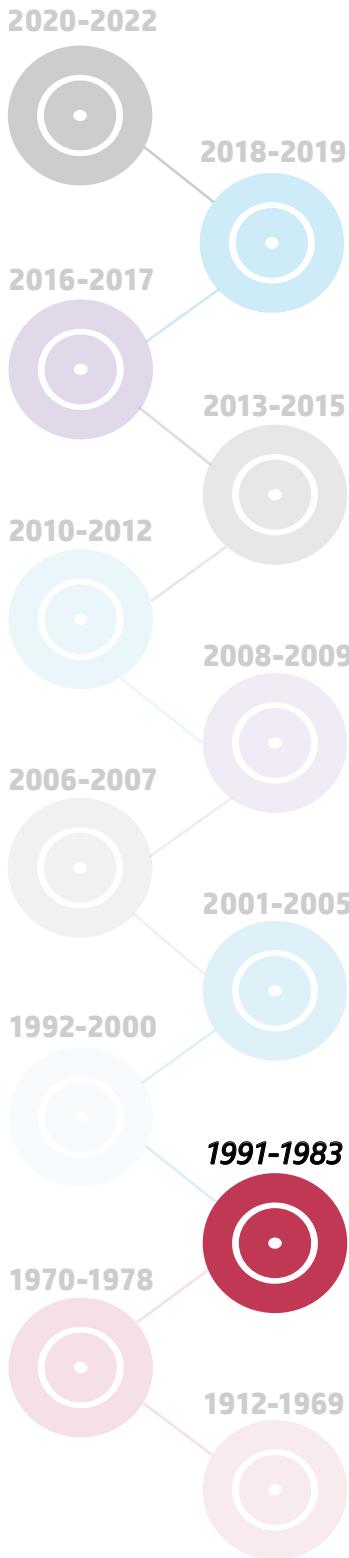
## 1993

- HP stops the use of ozone-depleting chemicals in its manufacturing operations worldwide, two years ahead of an international ban on production of the chemicals.
- HP replaces wood pallets with slip sheets made of 100% recycled and recyclable polyethylene for shipments between manufacturing sites and distribution centers.

## 1992

- HP launches a Design for Environment (DfE) program addressing environmental performance at the design stage of product development. DfE’s three priorities are: energy efficiency; design for recyclability; and materials innovation.
- HP is one of the first computer manufacturers to sign partnership agreements with the EPA to introduce PCs that can “power down” when not in use. It earns HP the right to use the ENERGY STAR Label.

# 1983-1991



## 1991

- HP bulk packaging doubles products per pallet and thus halves the number of trucks and planes required for transport.
- HP initiates a program called Planet Partners for HP LaserJet print cartridge return and recycling. It becomes a highly successful long-term undertaking expanding to other product lines in time.
- The Boise, Idaho site invests thousands of man hours and more than \$3 million to find and implement alternatives to using chemicals containing CFCs in its manufacturing processes. The new alternative process reduces CFC usage by 85% in 18 months.
- HP adopts an expanded Environmental Health and Safety Policy which adds “minimizing energy and materials consumption in our products and processes.”

## 1989

- Dave Packard receives the Chevron Conservation Award.
- John Young, HP's CEO is named to serve as a member of the Board of Directors for Earth Day 1990.
- Polyvinyl chloride (PVC), a widely used material that came to be associated with health and environmental issues, is removed from HP's DeskJet packaging.
- A consolidated corporate policy for Hazardous Waste Minimization is announced. The policy states that while HP understands the economic advantages of waste minimization, it also recognizes its obligation to its employees and communities.
- Dave Packard serves as a director of the National Fish and Wild life Foundation.

## 1988

- HP Hazardous Waste Minimization Council formed. The Council's initiatives include the development of a corporate-wide strategy for Site Pollution Prevention and Pollution Prevention Guidelines.

## 1987

- HP establishes its own hardware recycling program.

## 1986

- City of Palo Alto awards “Friends of Recycling” to HP for developing a comprehensive recycling program and “clearly leading the way among companies in Palo Alto in conserving resources.”

## 1985

- Each HP division has a basic wall- to-wall responsibility for its own environmental, health and safety. EHS programs and a staff of EHS professionals in turn oversee program execution and effectiveness.
- HP Corporate Environmental Lab in Palo Alto monitors the discharge water from up to 40 site manufacturing locations by testing and reporting on environmental and industrial hygiene each month.

## 1985-87

- The decision is made for a company-wide replacement of chlorine bleached white boxes with natural, more environmentally friendly Kraft/brown boxes. Paper mills that use chlorine to bleach paper release toxic dioxins into water downstream.
- Dave Packard serves as director of the Alliance to Save Energy, an organization dedicated to promoting energy efficiency worldwide to achieve a healthier economy, a cleaner environment and greater energy security.

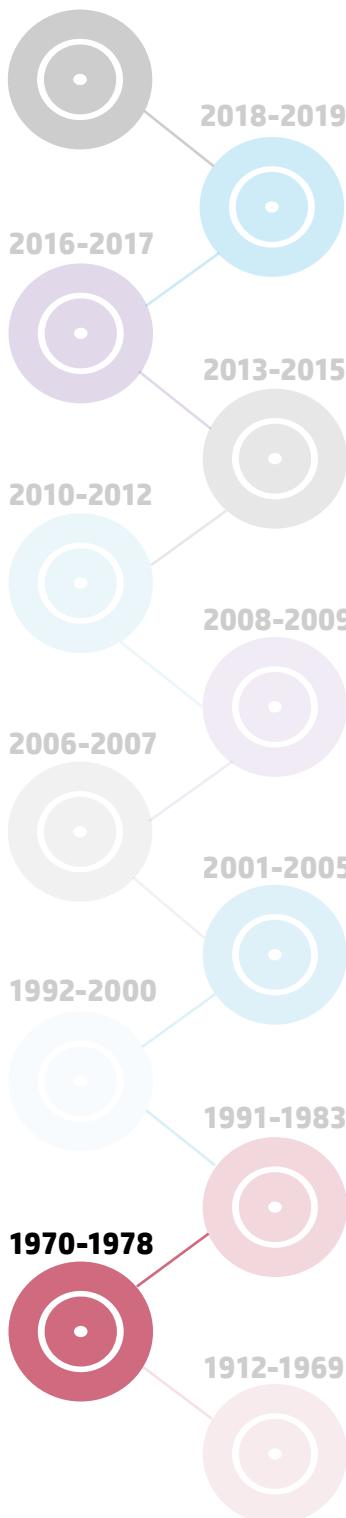
## 1983

- Dave Packard receives the Environmental Leadership Award from the Natural Resources Defense Council.

## 1983-90

- Dave Packard serves as Vice Chairman of the California Nature Conservancy.

2020-2022



## 1970-1978

### 1978

- Twenty-one vans are in service or on order for employee van pooling to bay area sites.
- All vans run on propane fuel.

### 1977

- There are 73 carpool locators organized to assist employees at the Stanford Plant.

### 1976

- HP purchases vans for employee van pools and encourages their use for fuel conservation. Five vans are in service commuting to the Palo Alto site from around the region and four more are on order.

### 1975

- An HP team designs and installs a solar heating system at the Sunnyvale site that reduces electrical consumption and saves about \$1000 per month in heating costs.
- HP's newly constructed wastewater treatment system in Palo Alto is recognized as exemplary of good business citizenship by the California Water Pollution Control Association.

### 1972

- Four years before Congress passes the first legislation governing toxic substances and later, clean air and water, HP adopts a basic manufacturing policy for protecting the environment, including control of all types of known pollution at company facilities.

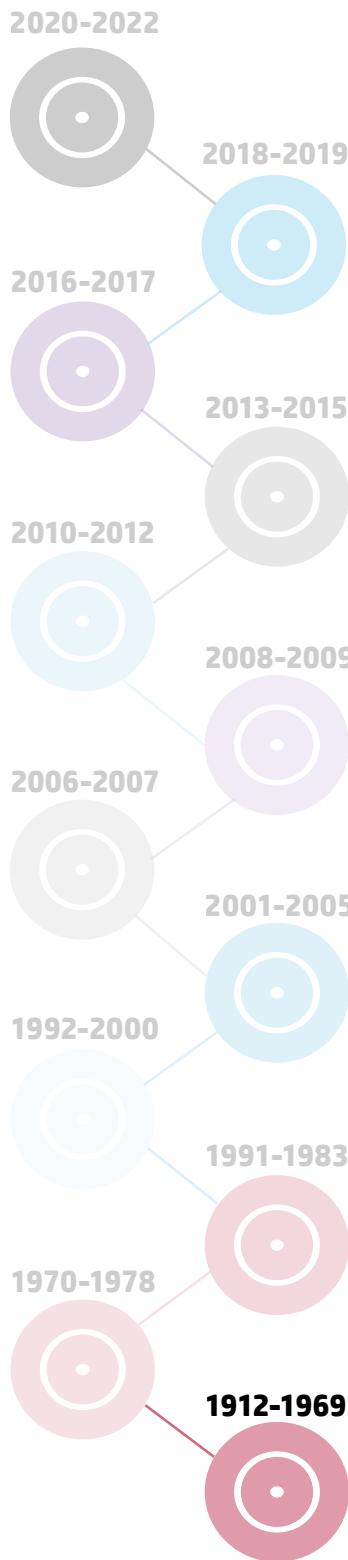
### 1971

- Bay Area Electronic Data Processing estimates 140 tons of computer print-out paper and punched cards will be recycled through the HP recycling program in the coming year.
- The environmental regulatory field heats up and HP manufacturing manager Ed Truitt is named to head the company's major push into the environmental instrument business. The appointment formalizes a long-held interest in this field by HP's analytical products division.
- HP employees turn out in large numbers to rescue and clean up hundreds of birds affected by an oil spill that spread between Santa Cruz and Half Moon Bay on the California coastline.
- Bill Hewlett speaks about the practicality of addressing environmental issues and HP's potential contributions. He references the work going on at Avondale (Delaware) as well as in the Scientific Instruments division and states that it is clear both divisions are going to be important in pollution research, environmental control and the solution of (other) social problems.
- HP initiates the recycling of computer print-outs in its Palo Alto data processing center. Between January and June, 5½ tons of printout and 7½ tons of punched cards are recycled.
- Nine categories of HP instruments and systems having environmental applications are in wide use. They include: Gas Chromatographs, Multichannel Pulse Height Analyzers, Microwave Spectrometers, Mass Spectrometers, Loudness Analyzers, Aircraft Noise Monitoring Systems, GC Mass Spectrometers, Ultrasonic Translator Detectors, Oscilloscopes, Recorders, Counters, and Digital Voltmeters.

### 1970

- Dave Packard receives the Environmental Leadership Award from the Natural Resources Defense Council.
- His charter is to help focus company efforts regarding measurement and control of pollution in areas of HP operations. This is also the first time the new term "environmental" is referenced.

# 1912-1969



## 1969

- HP encourages the city and county health departments to make a basic study of the Colorado Springs air shed in a proactive step toward staving off air pollution problems in the area as a result of projected population growth.
- HP Corporate Objectives are updated. Citizenship is the final objective and details the obligation of HP and its people to help solve instead of contribute to the problems of traffic and pollution.

## 1967

- Measure Magazine announces the F&M gas chromatograph and declares, "HP Instruments Fight Pollution."

## 1966

- Employee Walt Moy initiates a recycling program for HP punched cards in Palo Alto.

## 1963-1964

- HP enters important new markets by which environmental pollution is detected and measured when it acquires Mechrolab, which manufactures equipment for chemical analysis; Dymec, whose equipment is used for digital data acquisition using temperature sensors and recorders; Delcon, specializing in ultrasonic devices for leak detection and F&M Scientific, manufacturer of gas chromatographs used for the scientific analysis of compounds such as pollutants in ground water.

## 1957

- The first set of HP corporate objectives, written by Bill and Dave, are introduced and adopted by HP senior managers. Objective number five is Citizenship—defined as "meeting the obligations of good citizenship by making contributions to the community and to the institutions in our society which generate the environment in which we operate."

## 1939

- Hewlett-Packard Company is formed.

## 1934

- Following graduation from Stanford, Dave and Bill cement their friendship on a two-week pack trip in the mountains of Colorado.

## 1913

- Bill Hewlett is born in San Francisco, California and spends many boyhood summers roaming the Sierra Nevada Mountains where his parents belong to the North Fork Association, an outdoor club dedicated to wilderness appreciation.

## 1912

- Dave Packard is born on the edge of the prairie in Pueblo, Colorado, and as a boy finds solitude and adventure in hunting, fishing and horseback riding.

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