

THE BATTLE AGAINST PLASTIC POLLUTION

HP INNOVATES TO PREVENT POLLUTION AND STRENGTHEN COMMUNITIES



THE CASE FOR CIRCULAR

HP'S SHIFT TO A CIRCULAR FUTURE

Amidst rapid population growth, an expanding middle class, and increasingly scarce natural resources, the traditional linear “take, make, dispose” production model is no longer viable. Which is why HP is accelerating the shift to a more circular, net zero-carbon future throughout our material sourcing, product design, service-based delivery and recycling programs. HP has set a goal to reach 75% circularity for products and packaging by 2030¹.

¹ Percentage of HP's total annual product and packaging content, by weight, that will come from recycled and renewable materials and reused products and parts by 2030.

TODAY'S CIRCULAR WINS

HOW HP'S CLOSED-LOOP RECYCLING IS MAKING A DIFFERENCE

HP has been a leader in closed-loop plastic recycling for decades. Established in 1991, HP's Planet Partners recycling program has kept **916 million** HP cartridges, **127 million** apparel hangers and **5 billion** post-consumer plastic bottles out of landfills¹—instead, upcycling them to make new HP products.

1M
PER DAY

plastic bottles are recycled through HP's closed-loop recycling process and then incorporated into new products

85%+

of our Original HP ink cartridges contain **4%-75% post-consumer recycled content**

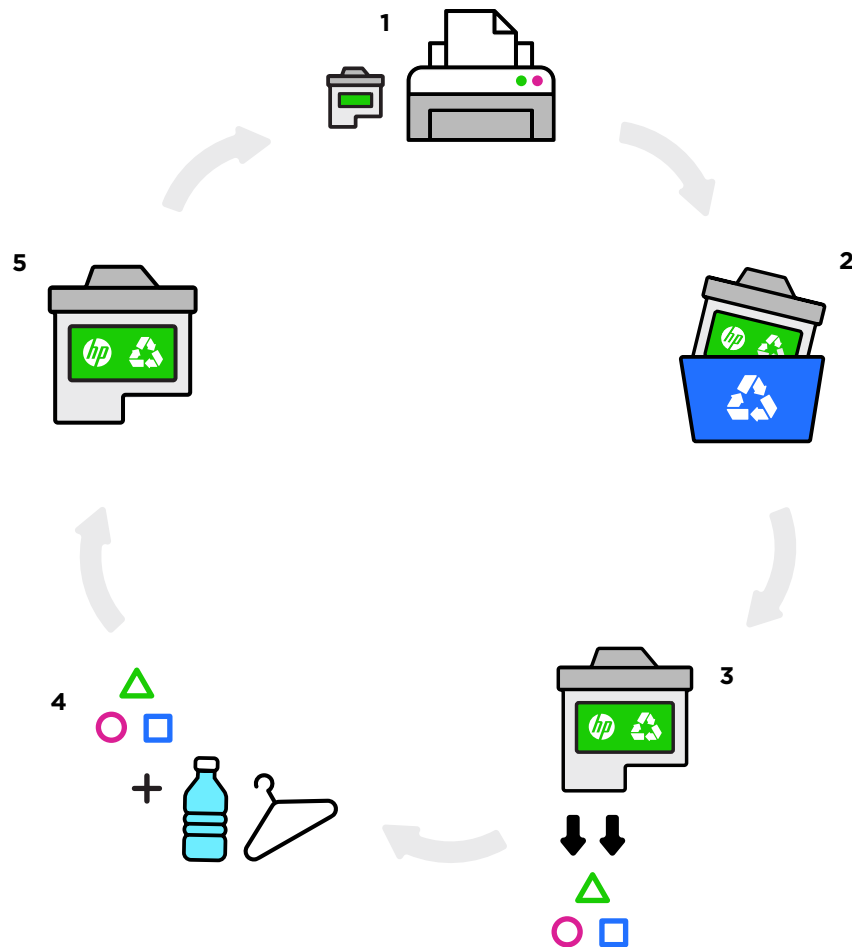
100%

of Original HP toner cartridges contain **1%–75% post-consumer or post-industrial recycled plastic content**

¹ Does not include toner bottles



HP'S CLOSED-LOOP RECYCLING STRATEGY



HOW IT WORKS— HP INK CARTRIDGE RECYCLING:

- 1 Ink is bought and used
- 2 Used empty cartridges are returned to HP
- 3 HP sorts and shreds used recyclable plastic material
- 4 Recycled cartridges are strengthened with recycled bottles and hangers
- 5 HP creates new Original HP cartridges with recycled plastic

In 2016, we expanded our closed-loop recycling program to include hardware and have since launched several hardware products with recycled plastic, including the HP Tango printer, which is made with more than 30% closed-loop recycled plastic from electronics.

HP'S PLASTIC STRATEGY

ELIMINATE WHERE POSSIBLE

Reduce single use plastic packaging by 75% by 2025.

CHOOSE SUSTAINABLE OPTIONS

Swap plastic foam packaging for 100% recyclable molded pulp packaging.

REPLACE VIRGIN PLASTIC

Use 30% postconsumer recycled plastic in HP products by 2025¹.

SOURCE RECYCLED PLASTIC

Expand supply chain for ocean-bound plastic where it has the greatest impact.

HELP CUSTOMERS RECYCLE


Continue to grow HP's Planet Partners² program and encourage our customers to recycle.

¹ Recycled content plastic (RCP) as a percentage of total plastic used in all HP personal print cartridges shipped during the reporting year. Total volume excludes brand-licensed products and after-market hardware accessories.

Total RCP includes post-consumer waste recycled plastic, closed-loop plastic, and ocean-bound plastic used in HP product manufacturing. Personal systems plastic is defined by EPEAT® eco-label criteria. Subject to relevant restrictions on the use and distribution of materials destined for recycling and/or recycled feedstocks.

² HP Planet Partners program is now available in 76 countries and territories www.hp.com/recycling

³ One income opportunity equals the ability for a person to earn a consistent income for one month.



HP has used **more than 2.86 million pounds** of post-consumer ocean-bound plastic from Haiti, while supporting 1,100 local income opportunities and connecting 150 children to educational³ opportunities as of January 2022.



DEEP DIVE INTO OCEAN PLASTIC

WHY OCEAN PLASTIC IS DETRIMENTAL

Plastic pollution is a major inhibitor to healthy oceans.

Once plastic reaches the ocean, it is incredibly hard to remove. Battered by seawater and bleached by the sun, plastic debris breaks down into ever-smaller particles, known as microplastics. These microplastics settle onto seafloors or are ingested by animals, causing a host of health and ecosystem problems. Even when plastic can be removed from the ocean, it is often so degraded that it is hard to recycle or re-use.

Every year, 8 million metric tons of it enters our oceans, joining the estimated 150 million metric tons already circulating.

HP aims to “turn off the tap” of plastic entering the ocean.

We are working to divert ocean-bound plastic into our circular supply chain, where it can be recycled into new, high value products.



WHAT IS OCEAN-BOUND PLASTIC?



Plastic waste found within **50 km** of an ocean coastline, including rivers, where no municipal or alternative diversion pathway for plastics is available within **100 km** of the radius of the site.



TURNING OFF THE TAP

HOW HP IS KEEPING PLASTIC OUT OF OUR OCEANS

HP has honed its expertise in closed-loop recycling manufacturing over decades. We have now applied that knowledge to build a supply chain in Haiti to help address the challenge of plastic pollution—on land and in the ocean. We have already diverted more than **102 million bottles** from reaching the waterways and oceans—instead cycling this postconsumer material into our supply chain and into new HP products.

Additionally, HP was an early member of NextWave Plastics, a consortium of businesses committed to creating the first global network of ocean-bound plastics supply chains. Together, we aim to collectively divert a minimum of **25,000 metric tons** of plastic—the equivalent of **1.2 billion** single-use plastic water bottles—from entering the ocean by the end of 2025.





**“We are keeping
millions of plastic
bottles from ever
reaching our oceans,
converting them into
sustainable products,
and creating new
opportunities for the
local community.”**

Ellen Jackowski
Chief Impact Officer
and Head of Social Impact, HP

AT A GLANCE

BUILDING AN OCEAN
PLASTIC SUPPLY CHAIN
IN HAITI

2016



Committed, alongside the First Mile Coalition, to purchase ocean-bound plastic from Haiti and improve conditions at the Truitier landfill.

2017

Shipped first container of ocean-bound plastic from Haiti.

Released first Original HP ink cartridges with plastic from Haiti.

Sourced nearly **20,000 pounds** of ocean-bound plastic material.

2018

Grew sourced ocean-bound plastic to nearly **375,000 pounds**. Connected 50 children to educational opportunities.



Grew sourced ocean-bound plastic to more than **550,000 pounds**, supporting **600 income opportunities** supported in Haiti.

Joined NextWave Plastics.

2019

Invested **\$2 million** to expand ocean-bound plastic supply chain and support an additional **1,000 income opportunities** locally.

Helped open two new technology-enabled learning centers in Haiti.

Launched the HP EliteDisplay E273d—the world's first display manufactured with ocean plastic.

Grew sourced ocean-bound plastic to **700,000 pounds**.

Committed to using **30% recycled content plastic** in Personal Systems, Print hardware and supplies by 2025.

Grew sourced ocean-bound plastic to over one million pounds. Supported more than **1,100 income opportunities** and connected 150 children with quality education, food, and medical assistance.

Launched the HP Elite Dragonfly, the world's first notebook with ocean-bound plastics.



2020

Joined Project Stop as a technical partner.

Launched the HP ZBook Studio—the world's first mobile workstation with ocean-bound plastics.

HP partners with UL on first ever certification for ocean-bound plastics.

Sourced more than 1.7M pounds of ocean-bound plastic material.

Opened plastic washing line in Haiti capable of processing 10 times more ocean-bound plastic.

2021

Unveiled expanded climate action strategy with circularity as a key component alongside new goals.

Used 1.8M pounds of ocean-bound plastic in HP products since 2016 - more than 65M bottles.

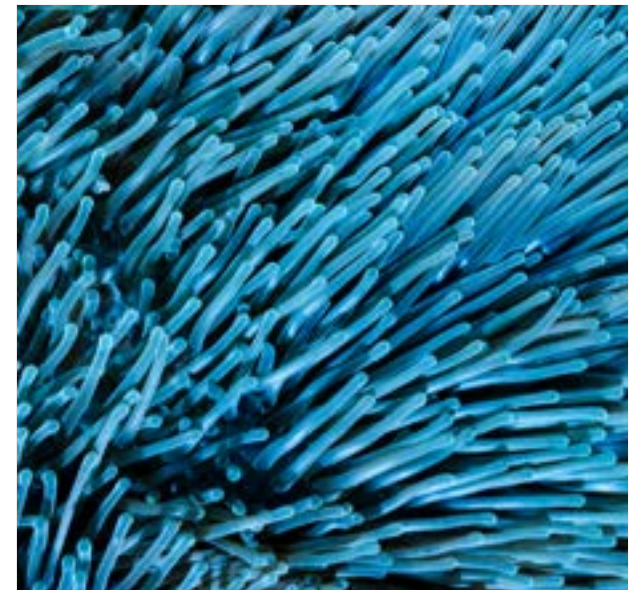
2022

Used 2.86 million pounds of ocean-bound plastic in HP products since 2016--more than 102 million plastic bottles

MORE THAN 300 PRODUCTS WORLDWIDE



HP has launched more than 300 new products made with ocean-bound plastic around the world since 2017.



“Since joining NextWave Plastics, HP has been a standout partner. We are proud that member companies continue to scale commercially viable and operational ocean-bound plastics supply chains—keeping plastic in the economy and out of the ocean.”

Dune Ives, executive director of Lonely Whale, the convening entity for NextWave Plastics.

OUR PARTNERS

thread



WORK

S Y S T E M I Q



THREAD is on a mission to end poverty by creating dignified jobs and responsible, high-quality fabrics. They are a Certified B Corporation that transforms plastic bottles into the most responsible fabrics on the planet. Every product made with Thread supports thousands of purpose-filled jobs in the developing world and the United States.

LAVERGNE specializes in the formulation of customized reactive, compounded, engineered resins. Their focus is designing, developing, and manufacturing high-value sustainable resins (alloys and composites) using 100% post-consumer recycled (PCR) plastics.

THE OCEAN PLASTIC LEADERSHIP NETWORK brings together leaders across the solution spectrum, from activist to industry, in the heart of the ocean plastics crisis to collaborate on solutions.

NEXTWAVE is a consortium of worldwide businesses committed to scaling the use of ocean-bound plastics. Convened by Lonely Whale, NextWave member companies are currently on track, in alignment with UN SDG 14.1, to divert a minimum of 25,000 tonnes of plastics, the equivalent to 1.2 billion single-use plastic water bottles, from entering the ocean by the end of the year 2025.

WORK has a mission to accompany families in Haiti out of poverty by providing them with good, dignified jobs. Their work is based within one community in Port-au-Prince, Haiti, called Menelas, where about 1,500 families live. Their goal is simple—to place two heads of households into good, dignified jobs, so that families and their community can work together, provide, and lift themselves out of poverty forever.

SYSTEMIQ is a systems change company that partners with business, finance, policy-makers, and civil society to make economic systems truly sustainable. Through Project STOP, SYSTEMIQ collaborates with governments and communities in Southeast Asia to create effective waste management systems that eliminate plastics leakage into the ocean and provide solutions that can be replicated in other cities.

ECSSA Environmental Cleaning Solutions S.A. (ECSSA) operates a material recovery facility based in Port au Prince, Haiti which collects recyclable products; specifically PET, HDPE, LDPE, Tin, OCC, and Aluminum. Our goal is to collect over 80 tons of solid waste per day.

READ MORE



[HP'S SUSTAINABLE IMPACT REPORT](#)

An in-depth look at HP's progress toward becoming the world's most sustainable and just technology company by 2030. HP's FY20 report highlights the actions the company is taking to advance climate action, champion human rights, and accelerate digital equity.



[HP PLANET PARTNERS](#)

Our return and recycling program enables simple, convenient recycling of HP products. We collect used products for resale and recycling in 76 countries and territories worldwide.

LEARN MORE



[OCEANS OF PLASTIC](#)

A video tour through HP's ocean plastic supply chain in Haiti.



[HP INK CARTRIDGE RECYCLING](#)

Learn how HP ink cartridges are recycled to create new HP products and supplies.



[UNBROKEN CIRCLE OF HEROES](#)

Experience HP's closed-loop recycling process for toner cartridges and the important role that the customer can play in this process.



[HP EUROPE PRINT CIRCULAR ECONOMY STORY](#)

An exploration of HP's recycling efforts in the Netherlands and Germany.



[HP AND COOPERATIVE: AN INCLUSIVE E-WASTE STORY](#)

Renilda's & Marly's stories: two women who are part of HP's initiative in Brazil to enable recycling co-op to deal with electronic waste.



[ROSETTE'S STORY](#)

A Haitian woman's reinvention story, powered by HP and The First Mile Coalition.