

AMERICAS
INNOVATION FOR
SUSTAINABLE IMPACT

SUSTAINABLE DESIGN

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REINVENTING SUSTAINABILITY

CLOSING THE LOOP

BUYER BEWARE

OUR APPROACH

SUSTAINABLY DESIGNED



HELP PROTECT
INDOOR
AIR QUALITY¹



INCREASE
RECYCLING AND
BUY RECYCLED
CONTENT



REDUCE WASTE



BUY FROM A
SUSTAINABILITY
LEADER²

Notes: 1. Dec 2017 WKI Blue Angel Indoor Air Quality compliance study, commissioned by HP. The study tested 4 New Build Compatible toner cartridge brands sold as substitutes for HP LaserJet Pro MFP M425dn with cartridge 280A. The tests were carried out in compliance with Blue Angel RAL-UZ 205. See <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-1981ENW>; 2. 2019 Global 100 Most Sustainable Corporations in the World. HP placed 39th overall on this annual listing compiled by Corporate Knights, a Canadian-based media and research company. <http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c06009298>

CLOSED LOOP

HP manufactures HP products with new and reformulated plastic



Customers buy Original HP cartridges and hardware products



Customers recycle with HP Planet Partners



HP sorts, then shreds or disassembles cartridges and shreds hardware



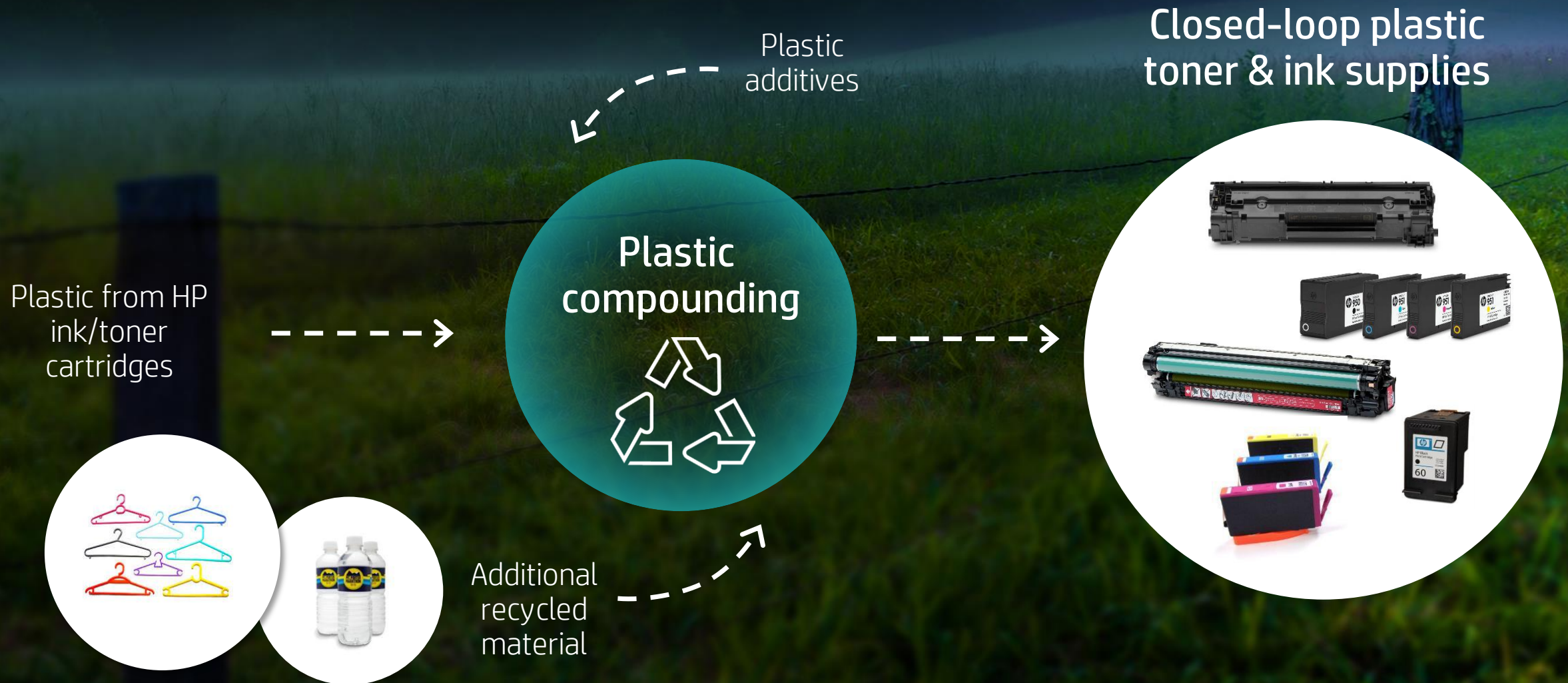
HP adds recycled plastics from cartridges, water bottles, and more



Plastics from Haiti



PLASTICS PROGRESSION



HP IN ACTION



1 million

Over the past five years, HP has helped divert on average ~one million bottles per day¹



30% smaller

Recycled plastic has up to a 30% smaller footprint than virgin plastic²



60% less

HP processes enable a 60% reduction in system fossil fuel consumption²



39% less

HP's processes allow HP to use 39% less water per year²

Sources: 1. www.hp.com/sustainableimpact; 2. For rPET and recycled polypropylene cartridges produced in 2017 and beyond. Based on a 2018 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 and the impact of using polypropylene and recycled polypropylene to manufacture new Original ink cartridges. For details see www.hp.com/go/recycledplasticsLCA

REAL RESULTS

5900 containers end to end
equivalent to 44 miles

HP uses more than one full truckload of recycled
content material every day of the year

HP PLANET PARTNERS

830 million

recycled HP cartridges¹
from 60 countries



4.4 billion

recycled plastic bottles¹



101 million

recycled hangers¹



3.3 billion lbs.

of hardware recycled by HP



Combined to manufacture
new HP ink & toner cartridges

¹ www.hp.com/sustainable impact

BUYER BEWARE



Typically
remanufactured
only once

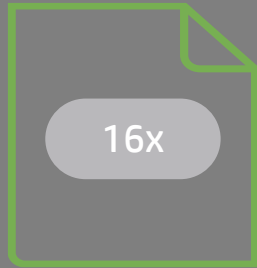


**Recycling
process**



Almost **all**
imitations are
**thrown
away**

THE DOWNSIDE



Imitation toner cartridges can
use sixteen times the paper
for reprinting due to poor quality pages as
compared to Original HP cartridges¹



Imitation toner cartridges have a
55% larger carbon footprint
than Original HP cartridges¹

Source: 1. 2017 Four Elements Consulting LCA study, commissioned by HP, compared Original HP 80A and 83A monochrome toner cartridges with a sample of NBC alternatives across eight environmental impact categories. For more, visit <http://www.hp.com/go/NA-LJLCA-NBC-2018>. The LCA leverages a SpencerLab 2016 study, commissioned by HP, comparing Original HP LaserJet toner cartridges with three brands of NBC toner cartridges sold in NA. For details, see <http://www.spencerlab.com/reports/HPReliability-NA-NBC2016NB.pdf> (Branded Report)

REAL IMPACT



Design products that are recyclable



Offer options to recycle computing products and print cartridges in 74 countries and territories¹



Use recycled content in new HP products



Customers have recycled more than **3.3 billion pounds** of hardware and print cartridges through the HP Planet Partners program

Note: 1. Program availability varies. For details, see www.hp.com/go/cycle

LOOK FOR THE LABEL



- ✓ Blue Angel
- ✓ EPEAT in the U.S. and Canada
- ✓ EcoLogo in Canada
- ✓ U.S. Permissible Exposure Limits (mandatory occupational guidelines)

- ✓ Californian Chronic Reference Exposure Levels
- ✓ U.S. Reference Concentration for Chronic Inhalation Exposure
- ✓ WHO Indoor Air Quality Guidelines

Make decisions with the environment in mind

HP designs printing systems¹ to meet standards

Printing systems¹ independently tested and verified

Blue Angel is IAQ standard

Note: 1. A printing system consists of HP printer, paper, and toner cartridge.

THE FUTURE

30%

RECYCLED CONTENT IN HP PRODUCTS BY

2025



HP Planet Partners

COMMITMENT TO QUALITY

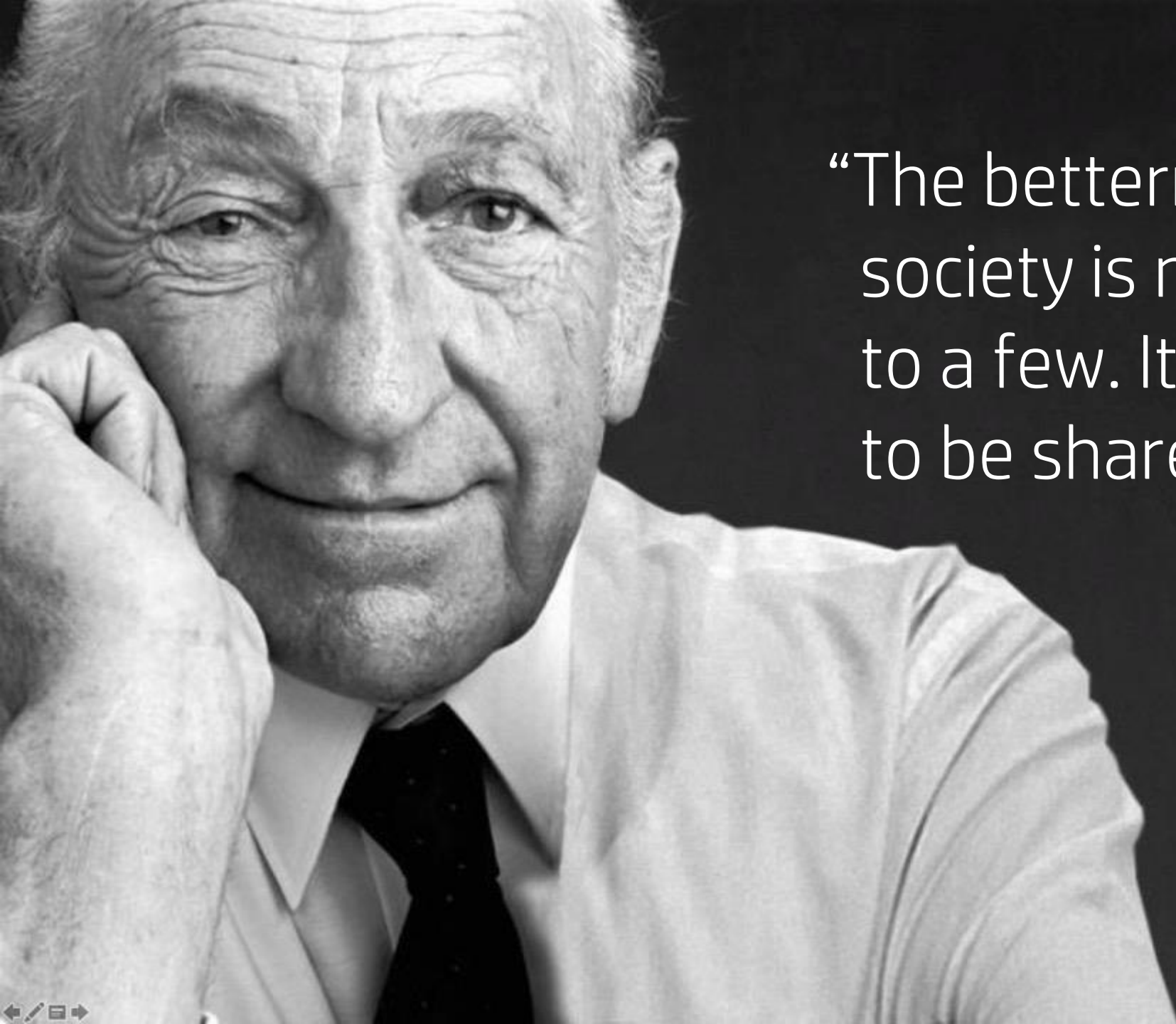
HP Announces Bold Industry Commitment to Sustainable Ink Innovation with Water-based Print Solutions

\$200 million innovation investment will power both digital and sustainable print transformation in corrugated packaging and textiles



HP Indigo Digital Print Certified for Compostable Packaging

Latest sustainability achievement means converters and brands can digitally print smaller quantities, reduce inventory waste and environmental impact



“The betterment of our society is not a job to be left to a few. It is a responsibility to be shared by all.”

Dave Packard

