



What is Circular Procurement?

- "Circular or Sustainable Procurement" ensures that buyers...
- ... obtain the best value for money when purchasing...
- ...the most sustainable services and goods...
- ... from the most sustainable suppliers, in support of...
- ... the organization's stated purpose and strategic goals.





Looking Forward – 2021 and Beyond:

Becoming the World's most sustainable and Just IT company by 2030

CLIMATE ACTION PLANET

Drive toward a net zero carbon, fully regenerative economy

75% circularity for products and packaging by 2030¹

NET ZERO

greenhouse gas emissions across the HP value chain by 2040

Use 30% postconsumer recycled content plastic across HP's personal systems and print product portfolio by 2025²

HUMAN RIGHTS PEOPLE

Advance human rights, social justice, and racial and gender equality

Reach ONE MILLION

workers through worker empowerment programs by 2030³

Women represent greater than 30%of our workforce in technical and engineering roles bv **2030**

Achieve **50/50** gender equality in HP leadership by 20304

MOST DIVERSE Board of Directors of any U.S. tech company

DIGITAL EQUITY COMMUNITY

Break down the digital divide by enabling access to education, jobs, and healthcare

Accelerate digital equity for 150 MILLION by 2030

Enroll 1 MILLION HP LIFE users between 2016 & 2025

Partnership and Technology for Humanity pave the way toward digital equity for underserved communities

around the world

PATH

THE CURRENT PROBABILITY OF STAYING BELOW 2 °C OF WARMING IS ONLY 5%!

- If all countries in the Paris Agreement fulfilled their pledges to reduce GHG emissions, the probability rises only to 26%
- Nations need to increase their Paris Agreement pledges by 80% to have an even chance of staying below 2°C.

BUT, efforts needed for a pathway with a strong chance of meeting the 2°C target are not radical.

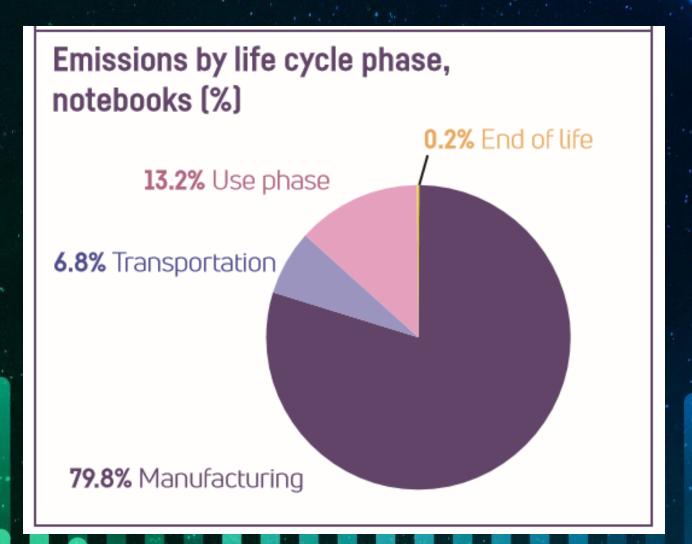
"Achieving the Paris Agreement's temperature goals is something we're not on target to do now, but it wouldn't take that much extra to do it,"

lead author Peiran Liu.









Adding 2 years of use to an average PC reduces the carbon footprint by 30%!

Product or Device as a Service has lower environmental impacts than retail for all Lifecycle Assessment categories

Compared with transactional sales, DaaS

- reduces GHG emissions by 25%,
- improves resource efficiency by 28%,
- decreases ecosystems impacts by 28%,
- and reduces human health impacts by 29%.

Impact reductions range between 25-30% compared to the linear model.

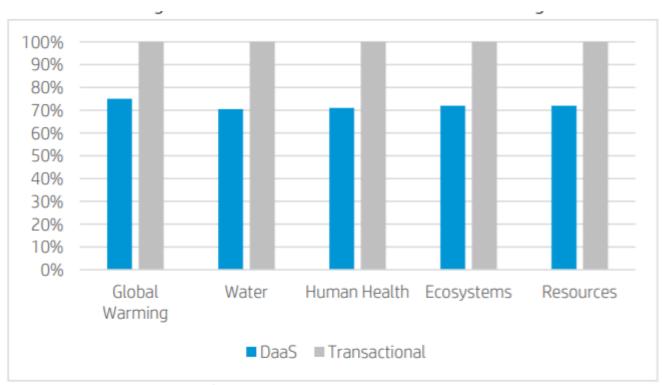
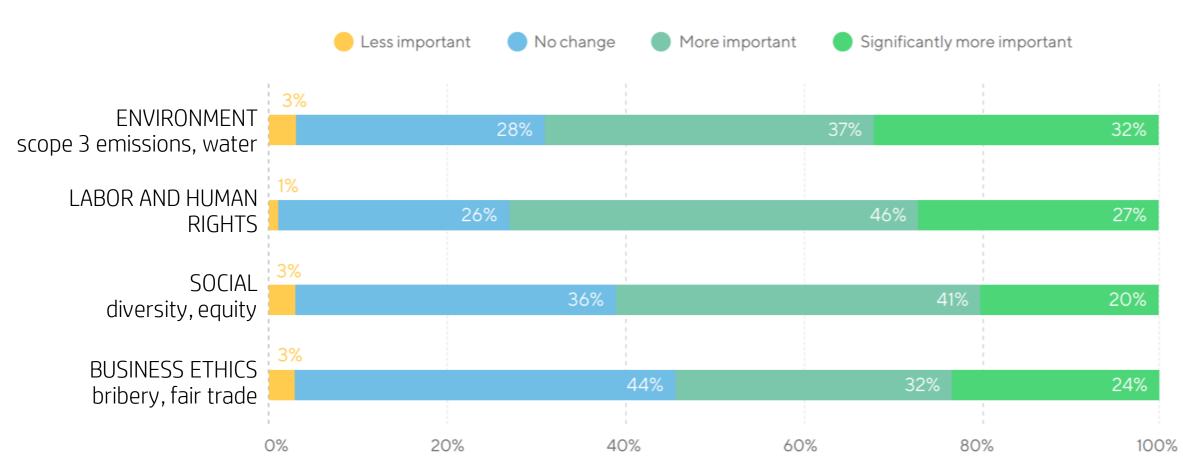


Figure 1: Comparison of Device as a Service to traditional transactional model

Global trend, including changes due to pandemic

Have the following sustainability issues gained or lost significance in shaping your procurement strategy (supplier selection and management) over the next few years?





HP'S Strategy & Goal of 75% product & packaging circularity by 2030

Strategies to

Enable a More

Circular and Low-

Carbon Economy

/ Design out waste and use materials responsibly

Increase materials efficiency, use more recycled content, and replace materials of concern.

Create a low-carbon future

Improve product energy efficiency, and decrease product use carbon and water footprints.

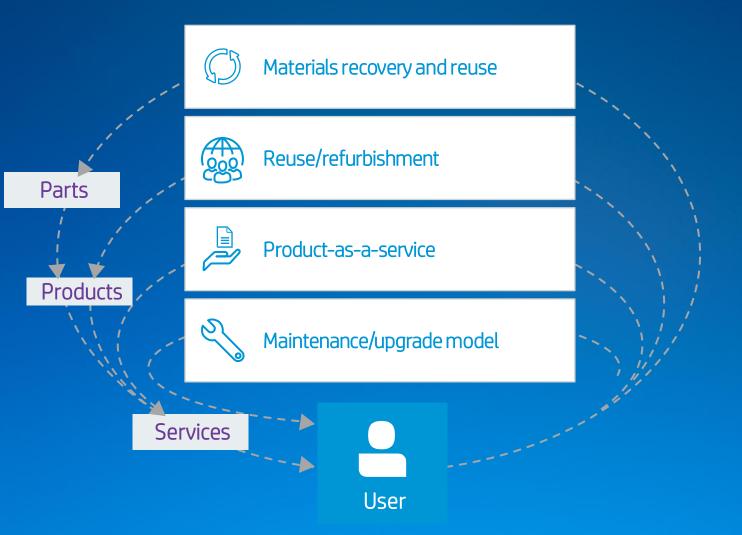
Keep materials and products in use

Design products for long life, offer service-based solutions, and recapture products and materials at end-of-service.

Regenerate natural systems

Focus on tackling ocean plastic pollution and protect and restore global forests.

HP's circular economy strategy



Key RFX questions that probe these areas

- Do you have closed loop recycling what are your goals?
- What are your goals for circularity
- Do you offer refurbished products
- How do you ensure my end of first life product gets a second life?
- Can I buy as a service?
- Repairability:
 - Availability of spare parts,
 - Availability of repair manuals
 - Durability testing
 - Are products upgradable
 - What is the IFIXIT score?



COMMON CIRCULAR RFX QUESTIONS ASKED OF HP

Not necessarily the best questions as they risk greenwashy answers but:....

- Specify at least two examples of implementation of an <u>eco-design</u> approach among the products proposed in this contract
- Do you offer <u>refurbishment / retrofit services</u> for products sold / leased to your customers in order to lengthen devices' lifespan? If no, describe all initiatives (existing / to come) you have undertaken towards this topic
- Beside new products, do you offer remanufactured products to your customers?
- How long do you offer spare parts, minimum 3 years or more.
- How many % of recycled plastics do you use in the products, out of parts >25 g.
- Does the product meet <u>durability testing</u> according to MIL-STD 810H(droptest, temperature changes, humidity)
- How do you integrate <u>decarbonization</u> into your activities?
- How do you measure sustainability and decarbonization in your activities?
- What are your <u>End-of life options</u>?
- Refurbished products/programs (DRS), repairability,
- What is your stand on the <u>Circular Economy</u>



RECOMMENDED TOPIC AREAS TO ADVANCE CIRCULAR RFX The single most impactful thing you can do is to buy as a service!

- Post consumer recycled content in hardware & packaging
- Spare part availability > 3 years bonus for longer
- Require multi attribute Eco Labels like EPEAT as mandatory minimums
- Durability testing
- Long life batteries for notebooks
- Carbon Neutral services like Managed Print



SOME EXAMPLES OF WEIGHTING OF SUSTAINABILITY IN TENDERS

COUNTRY	DETAILS	VALUE	WEIGHT of Sustainability in evaluation
Norway	Stavager Municipality, PC	2 M USD	60%
Germany	Federal customer, PC	>40 M USD	50%
New Zealand	Public sector, IT	X	40%

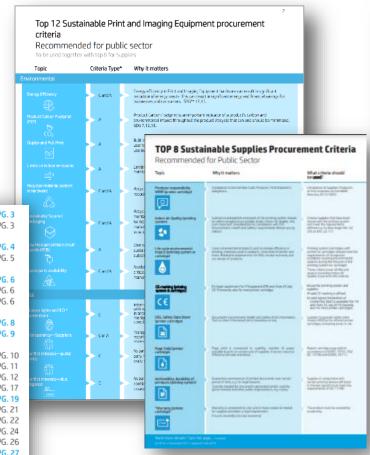
Most often *compulsory* criteria and 5-15% weight on *award* criteria (in selected EU countries).

HP's 3 + 1 Recommended procurement criteria and Purchasing guide

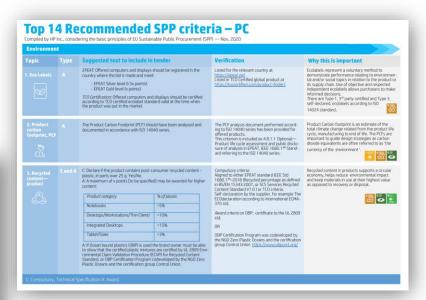
HP's Sustainable IT purchasing guide

Purchasing the future you want: A sustainable IT purchasing guide Resources to help your organization advance sustainable impact through the power of procurement What are the impacts of your organization? PG. 6 The importance of total cost of ownership (TCO), Ecolabels: A guide to buying with sustainability in mind PG. 11 Evaluating PC and print products.....PG. 12 Human rights PG. 21 Supplier Transparency: What to include in request for proposal (RFP) guestions PG. 24

Top 12 Sustainable Public Procurement criteria for **Print** Hardware, Top 8 for **Supplies**

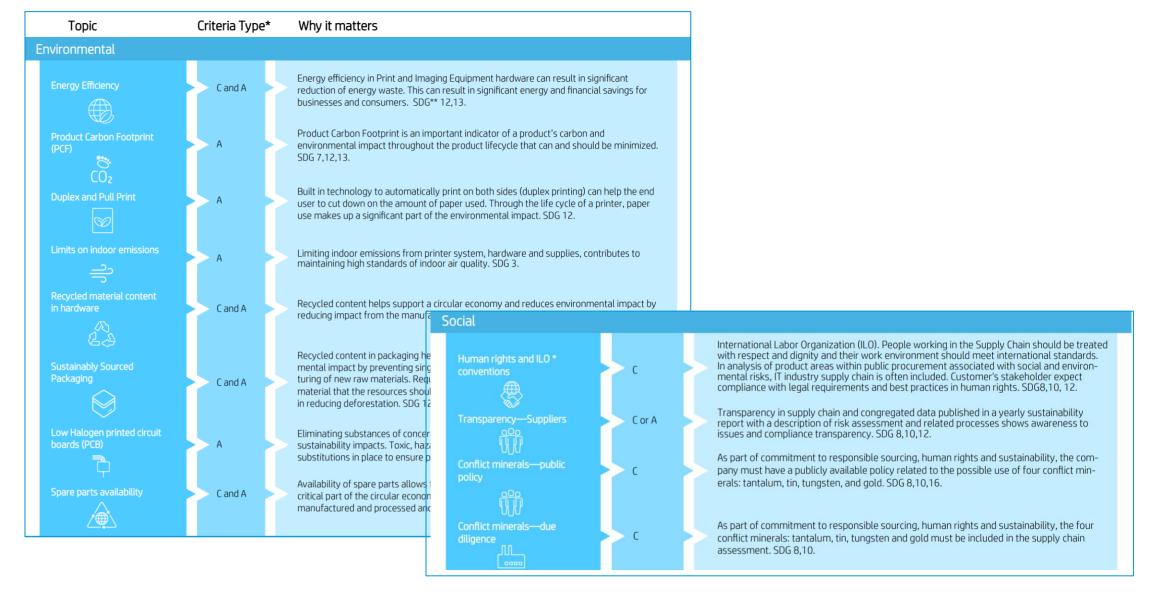


Top 14 Sustainable Public Procurement criteria for **PC**





TOP 12 for Print: 8 *Environmental* Criteria and 4 *Social* criteria



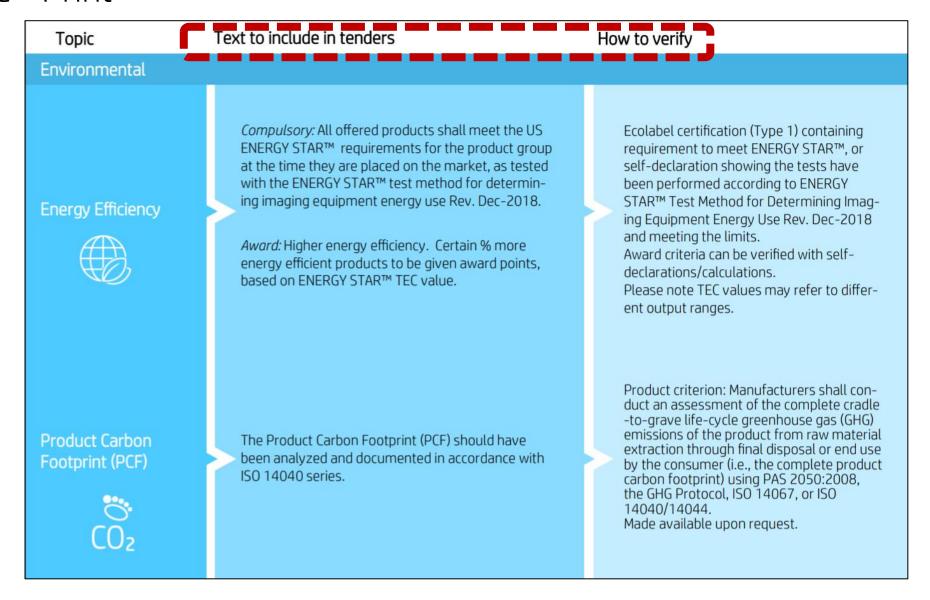


How to use - PC

Environment					
Topic	Туре	Suggested text to include in tender	Verification	Why this is important	
1. Eco Labels	A	EPEAT: Offered computers and displays should be registered in the country where the bid is made and meet: - EPEAT Silver level 0.5x points). - EPEAT Gold level (x points) TCO Certification: Offered computers and displays should be certified according to TCO certified ecolabel standard valid at the time when the product was put in the market.	Listed for the relevant country at https://epeat.net Listed in TCO Certified global product at https://tcocertified.com/product-finder/ .	Ecolabels represent a voluntary method to demonstrate performance relating to environmental and/or social topics in relation to the product or its supply chain. Use of objective and respected independent ecolabels allows purchasers to make informed decisions. There are Type 1, 3 rd party certified and Type 3, self-declared, ecolabels according to ISO	
2. Product carbon footprint, PCF	A	The Product Carbon Footprint (PCF) should have been analysed and documented in accordance with ISO 14040 series.	The PCF analysis document performed according to ISO 14040 series has been provided for offered products. This criterion is included as 4.8.1.1 Optional— Product life cycle assessment and public disclosure of analysis in EPEAT, IEEE 1680.1™ Standard referring to the ISO 14040 series.	Product Carbon footprint is an estimate of the total climate change related from the product life cycle, manufacturing to end of life. The PCFs are important to guide design strategies as carbon dioxide equivalents are often referred to as 'the currency of the environment'.	



How to use - Print



To be used with recommended criteria for Supplies



SUSTAINABLE IT PURCHASING PILOT RESULTS

HP & Green Economy Canada plus 10 BPS organizations

Participants have identified four significant areas critical to advancing sustainable procurement within the broader public sector:

- Forging new relationships between functional areas/departments;
- Gaining employee support;
- Incorporating scored sustainability criteria into the procurement process; and
- Obtaining buy-in and commitment at the most senior level.

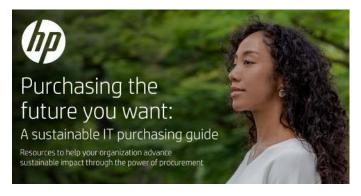
Stay tuned for the full white paper — published by Green Economy Canada for the CIC Technology session on November 17th

How to make it happen You can start tomorrow

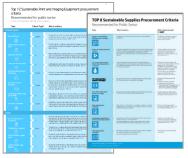
- Desire and commitment to go in this direction
- Resources human, financial, time
- Management
- Accountability
 - -Don't forget to engage your employees

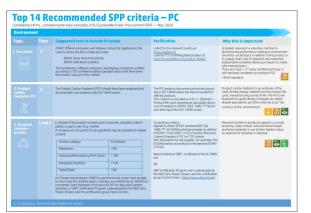


Links



Guide: https://h20195.www2.hp.com/V2/GetPDF.aspx/c03844101.pdf





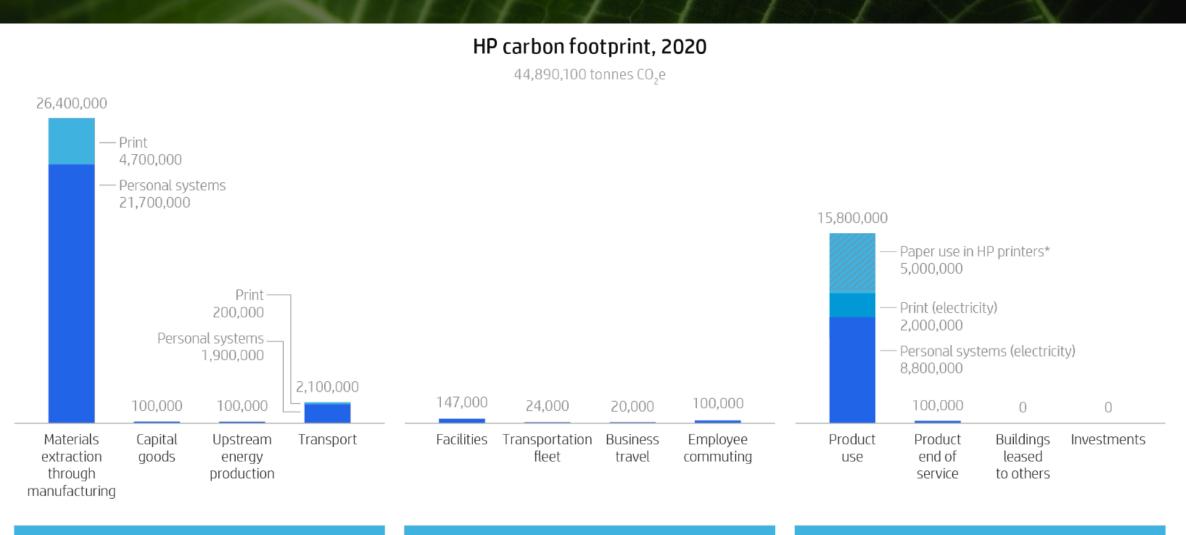
Top 12 Print:

https://www8.hp.com/h20195/v2/GetDocument.aspx?docname=c07649558 Top 8 Supplies: https://www8.hp.com/h20195/v2/GetPDF.aspx/c06043765.pdf

Top 14 PC: https://www8.hp.com/h20195/v2/GetPDF.aspx/c06981117.pdf



Where is the impact of an organization?



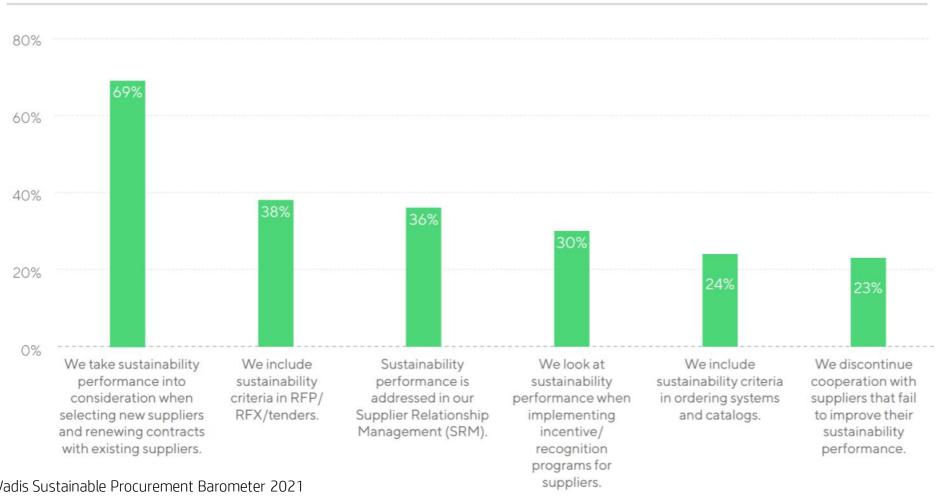
Supply chain (64%)

Operations (1%)

Products and solutions (35%)

How to ... almost 7/10 include provisions in selecting suppliers

How has your organization integrated sustainability criteria into procurement processes?





BUSINESS AS USUAL IS NOT SUSTAINABLE

1.7 EARTHS needed to support our current consumption rate 68% of global wildlife loss in the past 50 years HUNDREDS OF MILLIONS of children worldwide are out of school today •

