



Green

Sustainability

Circular
Economy



CAMBIUM

What If....

What if everything
could be used again?
We take resources seriously.

WM
WASTE MANAGEMENT

Find out how
wm.com

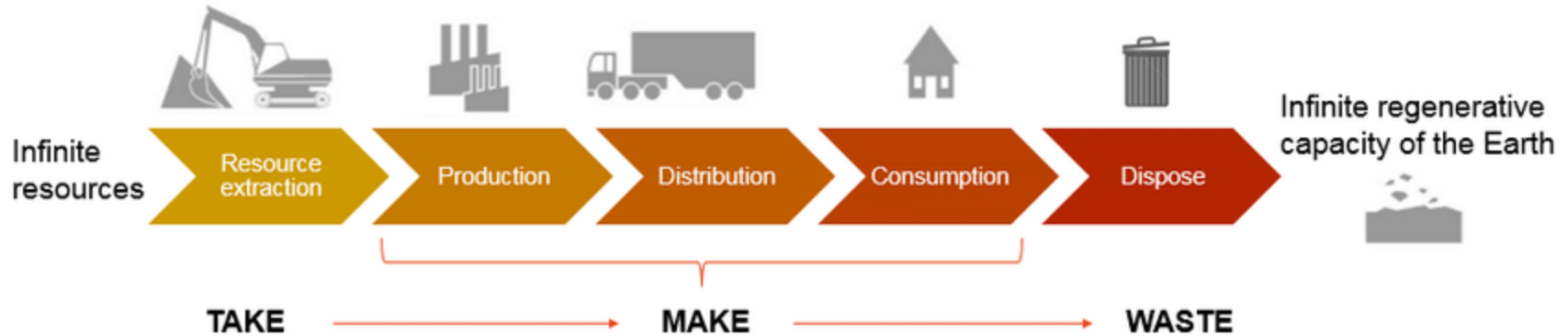




Our Relationship with Stuff



Our Current (Linear) Economy



Circular Economy Principles



**DESIGNING OUT
WASTE AND
POLLUTION**



**KEEPING
PRODUCTS AND
MATERIALS IN USE**



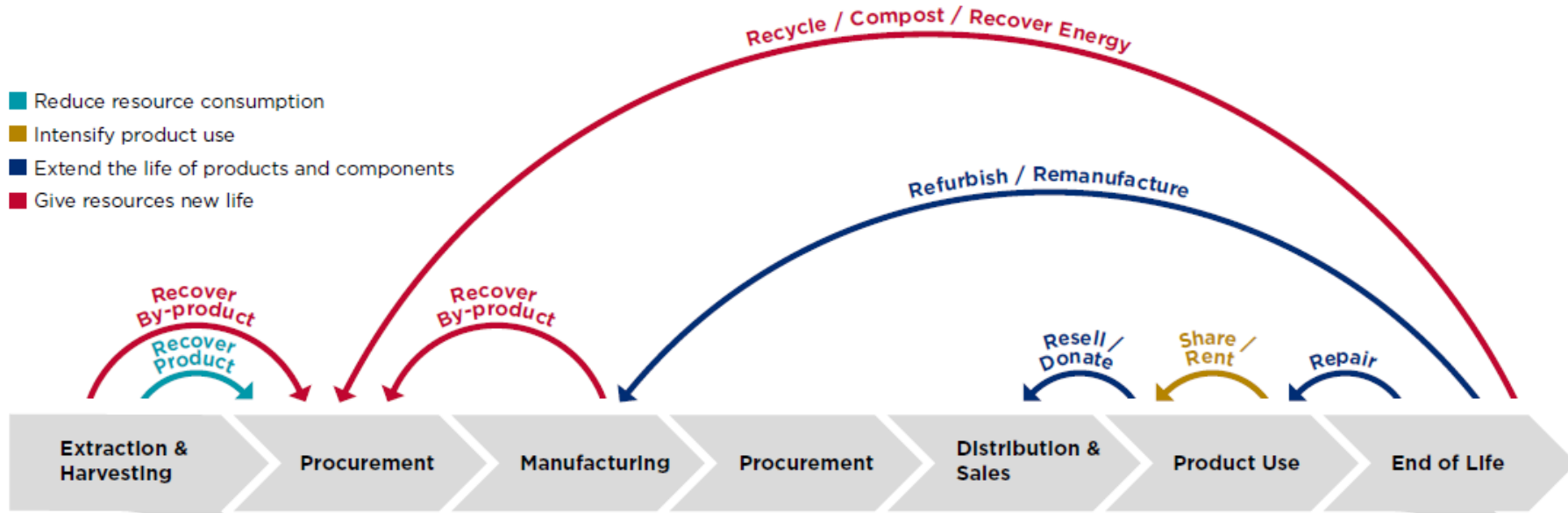
**REGENERATING
NATURAL
SYSTEMS**

Decouple Economic Growth from Resource Extraction

Source: Ellen MacArthur Foundation



The Circular Economy



Circular Economy & GHG Emissions



What If....



Oct 14, 2022

Walmart partners with Loop to offer reusable service to customers



Oct 14, 2022

Circular economy project launched to tackle digital health waste



Oct 14, 2022

Audi to pilot the recycling of plastic components from end-of-life vehicles



Oct 14, 2022

Your next watch could be made of recycled coffee



Oct 7, 2022

Warm yourself up this winter with data centre heat

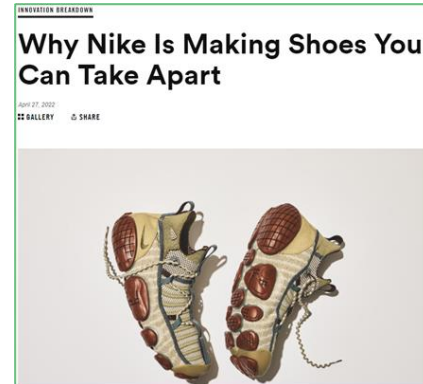
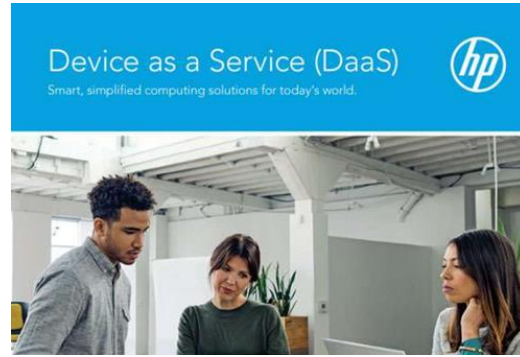


Oct 7, 2022

The world's first plant-based, fully biodegradable machine knitted shoes



What If....



Question	Circular Answer
How it is Made?	recycled content, designed for reuse/repair, made to last
How it is Used?	extend use / maximize use
What Happens at the End of First Life?	Reused / repaired / remanufactured / recycled

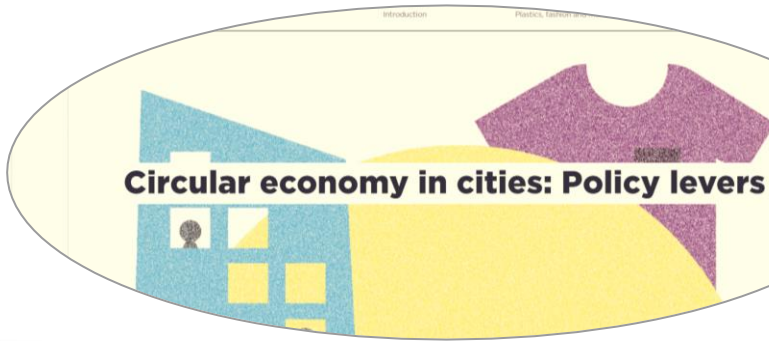
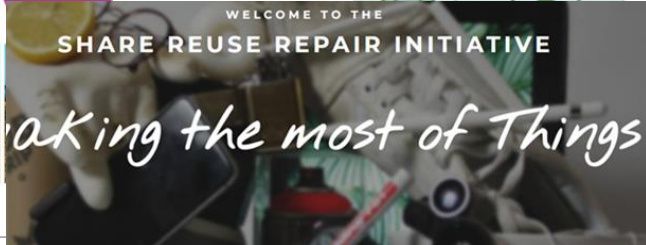
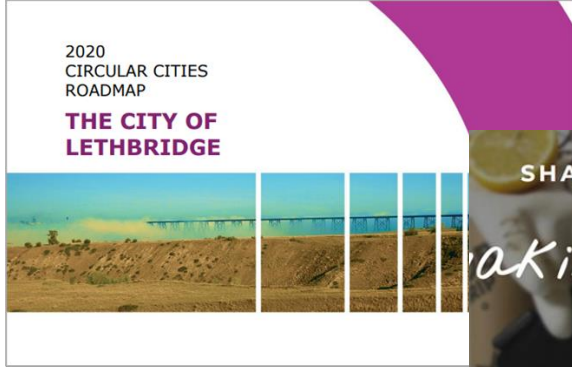


Who is Transitioning to CE?

- Toronto, ON
- Guelph, ON
- Montreal, QC
- Richmond, BC
- Vancouver, BC
- Squamish, BC
- Banff, AB
- Canmore, AB
- Calgary, AB
- Edmonton, AB
- Lethbridge, AB
- Strathcona, AB
- Whitehorse, YK
- Nanaimo, BC
- Richmond, BC
- Saskatoon, SK
- York Region, ON
- Mississauga, ON
- Gatineau, QC,
- Sherbrooke, QC
- Chapais, QC
- New Glasgow, NS
- Peterborough, ON
- Peel Region, ON



HOW?



City of
Richmond

Report to Committee

To: General Purposes Committee
From: Peter Russell, MCIP RPP
Senior Manager, Sustainability and District Energy
Jerry Chong, CPA CA, Director, Finance
Re: Integrating Circular Economy Criteria into City Procurements

Date: March 20, 2019
File: 10-6000-00/Vol 01



COIL Circulate CoLab Challenge



THANKS!

