Assessing the impact of PPWR's reuse targets



Overview

As the EU looks to adopt the Packaging and Packaging Waste Regulation (PPWR), one of the most ambitious and far-reaching proposals of the EU Green Deal, a **new report finds that imposing strict reusable packaging targets by 2030 will severely impact the EU's environmental footprint and the competitiveness and resilience of the European economy.** Reviewing several existing studies on packaging and drawing on two separate **case studies** analysing the impact of switching to reuse in the takeaway foodservice sector in Belgium and for non-food e-commerce sector in Germany, the report analyses the impact of the 2030 reuse targets versus alternatives across three dimensions:



THE ECONOMIC IMPACT of reuse solutions



THE ENVIRONMENTAL IMPACT of reuse materials and systems

THE SOCIETAL IMPLICATIONS for stakeholders resulting from the introduction of reuse systems

THE CONCLUSIONS OF THE REPORT ARE CLEAR:



Reusable solutions would yield **higher CO₂ emissions**



Reusable solutions imply **higher cost**



Transport is the main driver for both CO₂ emissions and cost



Reusable options are **fossil-based**

Considerable additional costs and CO, emissions: the reality of switching to reuse packaging for takeaway foodservice in Belgium



Single-use, 30% recycling rate 20 rotations Cleaning and/or customer drop-off

Reuse

recycling rate EOL (End of Life) disposal

Single-use, 30% Reuse Single-use, 30% 20 rotations Transport and logistic handling Packaging cost per rotation

Reuse Single-use, 30% Reuse 20 rotations recycling rate 20 rotations Cleaning and/or Transport and Packaging customer drop-off logistic handling. emmissions. incl. EOL incl. distribution Source: The potential impact of reusable packaging, McKinsey, April 4, 2023

There are additional costs associated with implementing reusables, such as:

+ EUR 20 MILLION ONE TIME COST

> Main challenge will be to integrate the reusables into daily operations of employees and integrate the system into each merchant's IT, while educating both consumers and merchants on the use of reusables

recycling rate

INCREASE WATER CONSUMPTION BY AT LEAST 20 MILLION LITRES BY 2030

Switching to reuse will add up to 0.5 litres of water per cycle consumed for central cleaning and an even higher water usage due to at home rinsing and production



There are additional costs associated with implementing reusables which have not been quantified in the report, such as:



I he first-time investment into reusable items as well as to source additional boxes to cover stagnant returns



IT, infrastructure and educational costs







www.ecma.org



Corrugated Packaging www.fefco.org ww

www.procarton.com

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EPPA European Paper Packaging Alliance

www.eppa-eu.org