## THE RETAIL CART AND THE PLANET

Retail can play an important role in minimizing not just the direct impact of stores, but also impacts arising from the vast production, manufacture and transportation infrastructure that supports the industry

## By Philip Tapsall

ighth of August, observed as the Earth Overshoot Day, marked the day when humanity's annual demand on nature exceeded what our planet can regenerate this year. Our footprint has already exceeded the bio-capacity of the planet for 2016. This situation arises because we emit more carbon dioxide into the atmosphere than our oceans and forests can absorb, deplete fisheries and harvest forests more quickly than they can reproduce and regrow.

Earth Overshoot Day has been arriving earlier each year. It fell in October in 2000. By 2030, we will mark it in June if current trends continue. This is a symbolic day but one that speaks for an urgent need to radically reconfigure the workings of the economy which underpins our lifestyle.

## **ROLE OF RETAIL**

As a resource-dependent business, one that draws on energy, water and natural reserves, the retail sector should reflect on the implications of Earth Overshoot Day. There is a fundamental link between everyday products and planetary resources. Over time, resource scarcity can lead to real business risks: increasing costs, disruption in supply and potentially reputational and regulatory risks.

In this context, natural resource management and footprint reduction emerge as key business strategies — not just in relation to emissions linked to direct operations, but also the carbon, water and agricultural



footprint of resource-dependent products that appear on shelves. Transportation of goods is another significant source of carbon emissions linked to retailing.

Critical to managing this scenario is for retailers to look beyond their shop fronts and into their supply chains. Understanding the carbon, water and natural resource footprint embedded within the core of their business is a significant first step. Procurement policies which support better production and responsible procurement can ensure that the journey of a product, from its manufacture to the point of sale, is traceable to responsibly managed and verified sources, with reduced negative environmental and social impacts.

64 | STOrai | September - October 2016

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Leading companies around the world are already working on ways to reduce the material impact of their supply chains and embedding circular economy thinking as part of core sustainability strategies.

## **BIG RETAILERS, BIG STEPS**

Tesco: Since 2014, Tesco has been working with a number of suppliers to collect emissions data about their supply chain and to identify hotspots in key categories. They found that agriculture accounts for approximately 60% of their supply chain carbon footprint, 97% of their water footprint and a majority of their impact on biodiversity. To address this, they set a 2025 target for a 30% reduction in GHG emissions, reduction in water use, including local reduction targets for water-stressed areas and improvement in farmland biodiversity. They joined the Sustainable Agriculture Initiative (SAI) Platform in April 2016, to partner and implement environmental best practice in agricultural supply chains, both through growing standards / guidance and on-the-ground collaboration.

Wal-mart: The retail company integrated the concept of sustainability into its strategy in 2005. Its sustainability goals were to be supplied 100% renewable energy, to create zero waste and to sell sustainable products. Its suppliers are also encouraged to produce sustainable products, by having to go through Walmart's self-developed sustainability index.

Marks & Spencer (M&S): M&S covers most of the sustainability aspects through its 'Plan A', which focuses on high-impact, immediate targets such as, reduction in energy consumption, improved packaging and more sustainable sourcing.

IKEA: IKEA has been trialing strategies around



circular economy and sustainability integration to reduce consumption of its products, such as pledging to stock only extended lifespan LED light bulbs in stores by 2016, reducing the number of bulbs required by past and present lighting products. Some of IKEA's stores in Denmark allow consumers to earn store credit by bringing back old IKEA furnishings which are then resold within the store for the price they were purchased from the consumer.

As an intermediary between manufacturers and consumers, retailers are uniquely placed to mainstream sustainability and manage footprint at the same time. They can influence consumer behaviour through in-store education and direct marketing. Their close relationship with suppliers also means that retailers' purchasing power can be harnessed to move supply chains to more resource-efficient practices. And perhaps start to push back the date of Earth Overshoot Day. 

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