

- Sourced, manufactured, transported and recycled using renewable energy;
- Able to maximise the use of renewable and recyclable resources;
- Manufactured using clean production technologies and best practices;
- Made from materials healthy in all probable end-of-life scenarios;
- Physically designed to optimise materials and energy;
- Effectively recovered and utilised in biological and/or industrial closed loop cycles.

Interestingly, most of these requirements are supply chain and SCM issues to a greater or lesser extent. For example, “sourced”, “manufactured” and “transported” in point three refer respectively to the so-called “buy”, “make” and “move” links in the supply chain. Point five has implications for the design and management of production links in all packaging supply chains. Points six and seven emphasise new product development (NPD) and design for manufacture (DFM) concepts, both of which are important dimensions in the design and man-

agement of packaging supply chains. Finally, there is both implicit and explicit reference throughout the definition on re-use and re-cycling issues: this has significant implications for the growing area of reverse logistics and the reverse supply chain.

A recent report by Pike Research estimated that sustainable packaging will represent about one third of the total global packaging market by 2014. This trend has significant implications in terms of the design and management of packaging supply chains. Embracing the philosophy of economic sustainability has the potential to be commercially and economically advantageous, thus building on the traditional sustainability-oriented role of SCM in the elimination of waste.

About the Author

Edward Sweeney is Director of Learning at the National Institute for Transport and Logistics (NITL), part of the Dublin Institute of Technology (DIT) College of Engineering and Built Environment. NITL is Ireland's national centre of excellence in logistics and SCM. For more information on the Institute's activities, visit www.nitl.ie

fasteners
Bottles
containers:

- Caps & Plugs
- Dropper Caps & Dispensers
- Nozzles, Spouts & Plugs
- Bottles, Jars & Boxes
- Measures & Spatulas
- Scoops & Spoons
- Tubes & Fasteners
- Stock Products
- Bespoke Packaging
- Screen Printing

MF EST. 1937 **Measom Freer**
packaging quality

from caps to bottles...

Whether it needs dispensing, dropping or plugging, Measom Freer has an extensive stock range of plastic dropper caps, nozzles, spouts and plugs to complement our bottle and packaging ranges. You could find that we have the perfect solution for dispensing your solution right here, ready for dispensing. Whatever you need, we've been providing a personal service with great attention to detail for 70 years – so you can rely on Measom Freer to provide the ideal plastic packaging solution.

For an illustrated catalogue, or to request samples, contact our sales department.

Tel: +44 (0) 116 288 1588
Fax: +44 (0) 116 281 3000
Email: sales@measomfreer.co.uk
Web: www.measomfreer.co.uk

Measom Freer (Sales) Ltd.
37-41 Chartwell Drive, Wigston, Leicestershire LE18 2FL England.

70 Years
Packaging Quality

www.measomfreer.co.uk