



# **The Sustainable Chemistry Index**

## **Driving Sustainability Awareness and Portfolio Insight**

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Steering a Portfolio towards Sustainability  
Partnership Conference  
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# 2015 Sustainability Goals

Maintain absolute greenhouse gas emissions below 2006 levels

Reduce our energy intensity by 25%

Achieve at least three breakthroughs that will significantly help solve world challenges



Publish product safety assessments for all products

Achieve on average a 75% improvement of key indicators for EH&S operating excellence from 2005 baseline

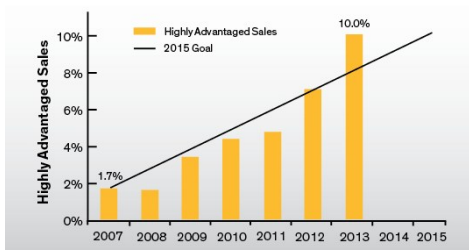
Achieve individual community acceptance ratings for 100% of Dow sites where we have a major presence

increase the percentage of sales to 10% for products that are highly advantaged by sustainable chemistry

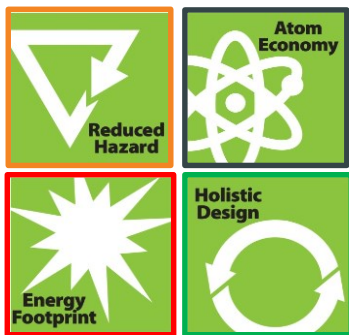


# Life Cycle Thinking at Dow

Highly Advantaged Sales



**Sustainable Chemistry Index**



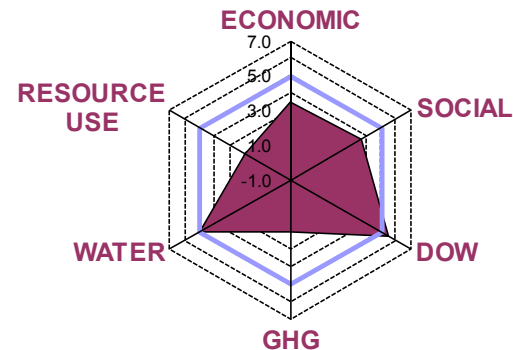
**Themes of Sustainable Chemistry & Engineering**



**2015 Sustainability Goals**



**Life Cycle Assessment**



**Dow Chemical Sustainability Footprint Tool®**



# The SCI examines sustainability attributes of products across the life cycle



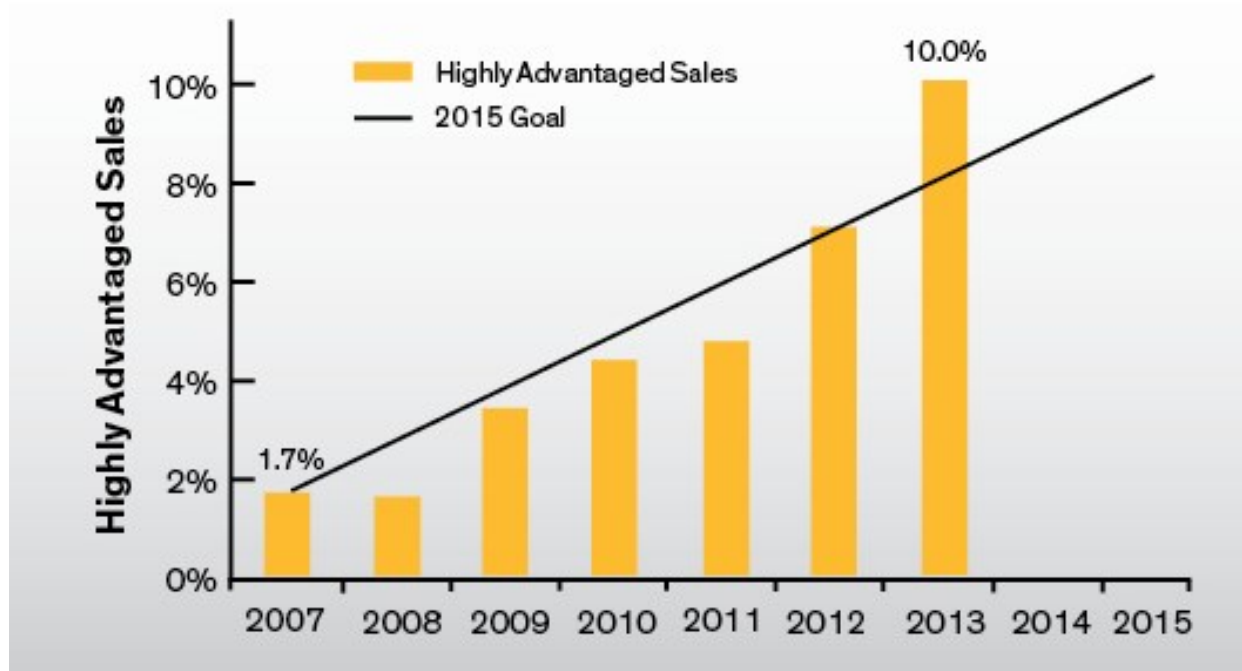
- Section 1** Renewable or Recycled Raw Materials
- Section 2** Raw Materials Abundance and Management
- Section 3** Manufacturing Efficiency
- Section 4** Environmental Life Cycle Benefit

- Section 5** Social Need Benefit
- Section 6** Manufacturing and Transportation Risk
- Section 7** Value Chain Risk
- Section 8** Public Policy / End of Life



# Highly Advantaged Sales

## Highly Advantaged Sales



**Highly Advantaged** = score exceeds a threshold score

# Experience with the SCI since 2007

*Has helped drive life cycle thinking throughout the organization*

*SCI is not a perfect product sustainability metric*

## Informative

- Product sustainability benefits, opportunities, risks communicated throughout the businesses

“One size fits all” may not fit all

- Challenge of a diverse portfolio

## Sustainability Dialogue & Discussion – **largest benefit of the SCI!**

- Business Leaders, Marketers, Innovators, Operations engineers understand how sustainability applies to their role

## A Highly Advantaged approach

- Multiple choice approach to an essay question





**Thank**  
**You**