



**2015**

SUSTAINABILITY  
REPORT  
HIGHLIGHTS

## 2015 was a transformative year for Dow ...

a year of accomplishments that will define the future of Dow ... a year that demonstrated the strength and resiliency of our enterprise and set the foundation for the Company's future success.

The year 2015 marks the closing of a successful decade-long vision and the beginning of a new chapter. The 2015 Sustainability goals became an integrated part of our market-driven strategy and our corporate processes which have saved resources and supported the Company's actions to drive operational efficiency and growth.

Thank you for following our sustainability story. We have come a long way, but many chapters are yet unwritten... chapters that will likely be of crucial importance to our shared future. We look forward to writing them together with you.

## LEADING THE TRANSITION TO A SUSTAINABLE PLANET AND SOCIETY



### OFFICIAL CARBON PARTNER

Dow, Worldwide Olympic Partner and the Official Chemistry Company of the Olympic Games, was appointed the Official Carbon Partner of the Rio 2016 Olympic Games, becoming the first partner of Rio 2016's "Embrace Sustainability" program. Dow and the Organizing Committee are **committed to implementing the most comprehensive carbon mitigation program in Olympic Games history.**



**Helped build >49,000 houses** and contributed **>\$77 million** to Habitat for Humanity since 1983 as the organization's first national corporate partner



## Largest Seawater Desalination Plant

in Western Hemisphere is using DOW FILMTEC™ seawater and brackish water reverse osmosis membrane in California

**SEVEN R&D 100 Awards**

for market-focused sustainability innovations



**15th time** named to **Dow Jones Sustainability World Index**



**42 Dow employees** and > 8,300 Dow Sustainability Corps volunteer hours spent to address critical community needs in Indonesia as part of a leadership development program

**5th**

**time as Top 100 Global Innovator** by Thomson Reuters



Dow was honored for the 11th time by the Human Rights Campaign (HRC) for achieving a **100% rating** on its Corporate Equality Index



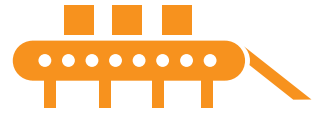
**Dow was recognized** as a leader in climate change reporting and disclosure by **Climate Disclosure Project (CDP)**, earning the highest possible disclosure score of **100%**. Dow was also selected to the S&P 500 Climate Disclosure Leadership Index (CDLI) in 2015, which recognizes only the top 10 percent of companies reporting for disclosure of high-quality carbon emissions and energy data.

## BUILDING VALUE THROUGH OPERATIONAL EXCELLENCE

**\$472 million**  
in cumulative savings  
through annual **absolute energy reduction**  
since 2005



**364**



**364**  
million pounds  
of **by-products reused** in manufacturing  
processes, saving more than

**\$100 million**  
since 2005



Our annual GHG emissions were reduced from

**44 to 32**  
million metric tons  
since 2006

while the  
company grew



Since 2005

More than  
**1,500** fewer  
injuries and illnesses



More than  
**5.8 billion**  
fewer  
tonne-miles of transporting hazardous materials



**30%**  
reduction  
of VOC, NOx and  
Priority Compounds  
emissions

More than  
**400** fewer  
process safety incidents



## DELIVERING SUSTAINABLE SOLUTIONS FOR SOCIETY

### Breakthroughs to World Challenges in the areas of water, food, health, energy and climate change

#### DOW FILMTEC™ ECO Reverse Osmosis Elements

deliver **40% better purification** with **30% less energy** than industry standard reverse osmosis elements, resulting in an ecologic and economic win.



**Omega-9 Oils** eliminated more than **1.5 billion pounds of trans and saturated fat** from the North American diet since 2005

Omega-9 Oils address an important societal need to improve the fat profile of popular foods and decrease instances of type 2 diabetes, cardiovascular and coronary disease.

#### LIFEBUOY™ SOAP Featuring POLYOX™ Water-Soluble Polymers from Dow

delivers a positive impact on health and hygiene, and most importantly, **helps save lives around the world**



Enables Lifebuoy™ Soap from Unilever to be longer lasting, more affordable, and easier to lather.

#### BETAMATE™ Structural Adhesives

are an enabling technology for dissimilar material assembly, which enables improved vehicle safety and durability while optimizing weight reduction.

**Saved 23 million metric tons of CO2 emissions**

and **10 billion liters** of gasoline since 1999.



**Tens of billions of dollars saved** for our customers, consumers and society through innovations



#### MAXIMIZING GROWTH FROM SCIENCE-DRIVEN INNOVATION



**\$12.4 billion in revenue in 2015**

from products highly advantaged by sustainable chemistry

**25% increase**

in average **Community Acceptance Ratings** for all Dow sites surveyed since 2005

Products covered by **510 Product Safety Assessments** posted since 2005 account for more than



A record pace of **667 U.S. patents granted**

and patent-advantaged sales represent more than

**24% of our revenue**



More detail on Dow's sustainability commitments and progress, including the 2015 Sustainability Report, can be found at [www.dow.com/sustainability](http://www.dow.com/sustainability).

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