



Sustainability at The Dow Chemical Company

**David Graham, Vice President
Environment, Health & Safety,
Sustainability**



Our Vision

To be the largest, most profitable and most respected chemical company in the world.

Dow's Mission

To constantly improve what is essential to human progress by mastering science and technology.

Dow Values

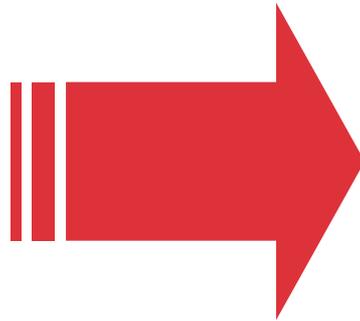
- Integrity
- Respect for People



2015 Sustainability Goals

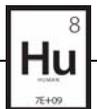
1996-2005

- “Do less bad”
- Doing more with less
- Eco-efficiency
- Energy efficiency
- Success



What we achieved between 1996 - 2005

- Tremendous impact through 2005 EH&S goals:
 - Saved \$5 billion on an investment of \$1 billion in technology and processes
 - Reduced solid waste by 1.6 billion pounds- **enough to fill 415 athletic fields one meter deep**
 - Reduced waste water by 183 billion pounds – **equal to water usage for 170,000 U.S. homes for one year**
 - Saved 900 million BTU's of energy – **enough to power 8 million U.S. homes for one year**



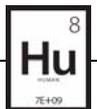
In developing the next set of 10 year goals,
We listened to.....



Our perspective changed...



At Dow, sustainability is about our relationship with the world and how we contribute to solving its many challenges.



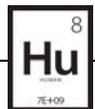
What the Goals are...

- About Sustainability
- About Earning Respect
- About Doing More Good
- Continuous with 2005 EH&S Goals
- Supportive of Vision of Zero
- Long-term (10 Years)
- Aspirational
- Flexible
- Voluntary
- Best-In-Class
- Fiscally Responsible
- Culture-Changing
- Enablers of Community Collaboration



What the Goals are NOT...

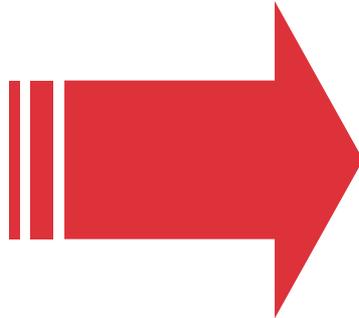
- Solely EH&S
- A Repeat of 2005 Goals
- Simple
- Optional
- Just Metrics
- “Me Too”
- Independent of each other
- Just about doing less harm



2015 Sustainability Goals

1996-2005

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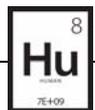
2006-2015

- “Do more good”
- Relationship with Local Communities
- Product stewardship and innovation
- Impact on the world
- Significance

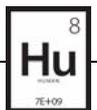


2015 Sustainability Goals (www.dow.com)

- Local Protection of Human Health & Environment
- Contributing to Community Success
- Product Safety Commitment
- Sustainable Chemistry
- Products Designed to Solve World Challenges
- Energy Efficiency and Conservation
- Addressing Climate Change



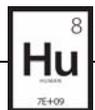
A Closer Look at a the Goals...



Local Protection of Human Health & Environment

By 2015, Dow will achieve on average a 75% improvement of key indicators for EH&S operating excellence from 2005 baseline and community collaborative sustainable commitments

- Injury/illness rate 0.08; reduce severity rate by 75% and eliminate fatalities
- Fewer than 75 LOPCs; no more than 10 in Category 2; eliminate Category 1
- Reduce process safety incidents by 75% and severity rate by 95%
- Reduce MVA rate to 1.5
- **Site-specific EH&S Goals**



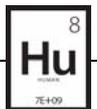
Local Protection of Human Health & Environment – Site-Specific

- Security
- Waste generation and emissions
- Maintaining and improving employee health
- Resource conservation



Contributing to Community Success

By 2015, 100% of Dow sites where we have a major presence will have achieved their individual community acceptance ratings.



Product Safety Commitment

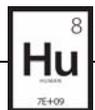
By 2015, Dow will make publicly accessible safety assessments for its products globally, and in doing so will address relevant gaps in hazard and exposure information and will continue to take appropriate action based on the assessments to further protect human health and the environment throughout the lifecycle.



Product Safety Commitment

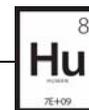
Dow will complete its work on high priority products by 2010 and for its remaining products by 2015. Dow will update the safety assessments as new information becomes available.

By 2006, Dow will share publicly its views on the principles which product safety legislation or regulation should be based.



Sustainable Chemistry

In 2008, Dow will set a specific target percentage of total revenues generated from new or enhanced products or services that deliver additional sustainable chemistry benefits and will have achieved this target by 2015.



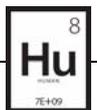
Products Designed to Solve World Challenges

By 2015, Dow will achieve at least three breakthroughs that will significantly improve the world's ability to solve the challenges of: affordable and adequate food supply; decent housing; sustainable water supplies; or improved personal health and safety.



Energy Efficiency and Conservation

Reduce energy intensity 25% from 2005 to 2015.



Addressing Climate Change...

Contributions...

- Between 1990 and 2005, Dow reduced Kyoto GHG emissions by 21%, exceeding Kyoto targets.
- Between 1995 and 2005, we reduced energy intensity (BTU per pound of product) by 22%,

Commitments ...

- Ambitious R&D in **photovoltaics**
- **By 2015, we will deliver a system to the public that will deliver electricity at 6 cents a KWH – a long term power source with no GHG emissions.**



Addressing Climate Change

- *Dow will report estimated emissions reductions due to societal use of some of our major product lines and solutions, and is committed to developing additional products that deliver energy efficiency and therefore GHG reduction.*
- *Dow will lead in JI/CDM and technology transfer, by actively engaging in the creation and use of project offsets through the JI/CDM market mechanism process.*
- *Dow will reduce our own GHG emissions intensity by 2.5% per year through 2015 from a 2005 base.*
- *By 2025, we aspire to reduce absolute emissions within the company.*



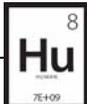
Achieving our 2015 Goals...

Engaging the Human Element





THE BOND BETWEEN US ALL. It's what we see in each other's eyes. It's how  we think about the world around us. It's why, when we read a story about someone we've never met, we feel what they feel. It's a way of seeing that gives us a way of touching. Issues. Ambitions. Lives. It is the Human Element. And that's what The Dow Chemical Company is all about.



CHRISTIAN PAETZOLD – THE HUMAN ELEMENT LAB TECHNICIAN, DOW RHINE CENTER, GERMANY

VISION

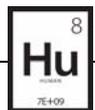
Clean, affordable drinking water
for every village and home in Bangladesh

COLLABORATION

Collaboration with academicians, governments and other businesses

RESULTS

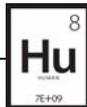
Membrane Technology and ADSORBSIA™ GTO™ Arsenic Removal Media
selected as the most promising technology for solving this particular drinking
water problem



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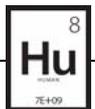
THEY RUN TO INSPIRE A PLANET. Twenty runners. Sixteen countries. One goal. 

To generate awareness of the need for clean drinking water throughout the world. It's the Blue Planet Run. Runners helping the people who are helping the planet. It's just one of the things The Dow Chemical Company does when it looks at life through the eyes of the Human Element.



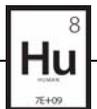
Dow and The Blue Planet Run

- Lead by example in convening the world to focus on this issue water.
- Blue Planet Run founded in 2002 by Jin Zidell
 - promote and raise funds for global sustainability
 - to help solve world challenges
- First Cause: Bringing safe drinking water to the **1.2 billion** people
- To date, the Foundation has completed
 - 25 pilot programs
 - 10 countries
 - safe drinking water to more than 20,000 people



The First Step is a Run

- A global fundraiser to create awareness and generate funds to assist in the drinking water challenge.
- An international team of runners will sprint around the world, 24 hours-a-day for 80 days, through 16 countries.
- Runners will cover 150 miles per day each running 10 miles in a relay-style race
- Race begins June 2, 2007 in NYC



The First Step Is A Run



Human Element Collaboration Action

