



COMMITMENT TO SUSTAINABILITY

Sustainability is a core business strategy at Owens Corning. We define sustainability as meeting the needs of the present without compromising the world we leave to the future. Our commitment to sustainability drives us to consider the economic, social and environmental impacts of everything we do.

This commitment starts with our Board of Directors, and runs through the management teams and employees across our global enterprise. We are proud of our sustainability performance and submit this 2012 Sustainability Report as evidence of our commitment. The past year was one of significant progress, including the following accomplishments:

- Achieved our eleventh-consecutive year of safety improvement, punctuated by the introduction of a company-wide policy to eliminate cell phone usage while driving.
- Successfully achieved all seven of our first 10-year environmental footprint goals. We are making good progress toward achieving our ambitious 2020 goals, demanding innovation, creativity, external collaboration and broad engagement across our company.
- Completed several greenhouse gas reduction projects while laying the groundwork for many others, including diesel-to-natural gas transportation fuel-switching, fuel cells, waste heat recovery, biomass, solar, and combined heat and power.
- Partnered with The World Resources Institute on its Aqueduct project to conduct a global water stress assessment of Owens Corning's global operations and completed several successful major water use reduction projects in stressed areas.
- Released the first Environmental Product Declarations (EPD) for fiberglass insulation in North America.
- Donated enough insulation and roofing material to re-roof 283 homes and insulate more than 1,000 homes for those in need. Globally, our facilities completed 86 community projects and donated 1.74 percent of full-year adjusted earnings to non-profit organizations.
- Strengthened our Supplier Code of Conduct (as an integral part of our supplier management program), as well as our Employee Code of Conduct to create explicit expectations relative to sustainability.
- Achieved more than 60 percent shingle recycling availability, allowing our unqualified statement that "Shingles are Recyclable."
- Earned a perfect score of 100 percent on the HRC Corporate Equality Index (each year since 2004) and distributed our own "It Gets Better Project™" video featuring OC employees sharing their stories in support of anti-bullying.
- Achieved listing on the Dow Jones Sustainability World Index for the third consecutive year.

While these accomplishments are representative of the progress we have made this past year, we recognize that we have much more to do on the path to becoming a more sustainable, and preferably, a net-positive company. As we move forward, we will continue to shrink our environmental footprint, strengthen our supplier relationships and expectations, increase our focus on energy efficiency solutions as a key driver for climate change mitigation, expand and streamline our global environmental management systems, better meet the growing demand for transparency in products, increase the level and geographic reach of our community investment activities and expand our external collaborations.

We are resolved to incorporating sustainability in everything we do at Owens Corning. We welcome your comments on our report, and on ways we can accelerate this journey. You may share your comments with us at: Sustainability@owenscorning.com.

Thank you for your continued interest in Owens Corning and our sustainability efforts.

Frank O'Brien-Bernini
Vice President, Chief Sustainability Officer

Mike Thaman
Chairman and Chief Executive Officer

2012 PERFORMANCE SUMMARY

Economic \$ (in millions)	2012	2011	2010
Sales	\$5,172	\$5,335	\$4,997
United States	3,504	3,552	3,231
Europe	558	619	573
Asia Pacific	639	674	678
Canada and Other	471	490	515
Cost of Sales	4,375	4,307	4,041
Science and Technology (R&D) Expenses	79	77	76
Cash Paid for Income Taxes	30	24	16
Purchases of Treasury Stock	113	138	120
Cash Paid for Interest	122	111	108
Additions to Plant and Equipment	332	442	314
Cash Giving	1.09	0.68	1.26
Total Assets	7,568	7,527	7,158
Long-term Debt	2,076	1,930	1,629
Total Equity	3,575	3,714	3,686
Social			
Employees (no of permanent personnel in thousands)	15	15	16
Asia Pacific	3	3	3
Europe	2.2	2.4	2.5
Latin America	2	1.6	1.8
North America	7.8	8	8.7
Turnover Rate	12%	14%	15%
Female Employees	18%	18%	17.9%
Officers	9.7%	5.4%	8.6%
Managers	17.8%	18.1%	18.4%
Staff	33.5%	33.4%	32.7%
Primary	12.5%	12.6%	12.8%
Health & Safety			
Recordable Injury & Illness Rate (RIR)	0.45	0.48	0.66
Lost and Restricted Workday Injury Rate (LWIR)	0.18	0.33	0.33
Fatalities	0	0	0
Environmental			
Air Emissions			
Greenhouse Gases (millions of metric tons per year)	4.64	4.91	4.99
Particulate Matter 2.5 (thousands of metric tons per year)	1.87	2.16	1.98
Toxic Air Emissions (metric tons per year)	526	570	869
Consumption of Natural Resources			
Energy (millions of Mwh)	8.31	8.63	8.03
Water (millions of cubic meters)	10.62	11.49	11.45
Non-Hazardous Waste			
Waste to Landfill (thousands of metric tons per year)	192	184	225
Environmental Compliance			
Significant Environmental Actions (Note 1)	0	0	0
Cost of Significant Environmental Actions (\$000)	0	0	0

Note 1: Significant Environmental Actions are defined by the total cost of fines, capital expenditures, etc. equal to \$100M or greater.

Visit <http://sustainability.owenscorning.com> for the full 2012 report.



OWENS CORNING
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO, USA 43659
1-800-GET-PINK®
www.owenscorning.com

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SUSTAINABILITY AT OWENS CORNING

2012 HIGHLIGHTS SUMMARY



ENERGY-SAVING PRODUCTS

Our commitment to sustainability starts with energy-saving and durable products. Included below are a few of our many products that increase energy efficiency and reduce greenhouse gas emissions.

INSULATION

Fiberglass insulation, first commercialized by Owens Corning in the 1930s, is the most widely used type of insulation in the U.S., Canada and Mexico today. A typical pound of insulation saves 12 times as much energy in its first year in place as the energy used to produce it. That means the energy consumed during manufacturing is saved during the first 4-5 weeks of product use. The insulation continues to save that amount of energy every month throughout the life of the home or building in which it is installed.

Owens Corning's new EcoTouch® insulation uses a new manufacturing process to deliver insulation that is verified formaldehyde free, has a minimum 58 percent recycled glass content, contains 99 percent natural ingredients* and meets stringent certification standards for indoor air quality. Additional product lines were added to the EcoTouch® family in 2012 including insulation for flexible ducts and metal building insulation.

ROOFING

Our Duration® Premium Cool shingles use a highly reflective granule technology that bounces back the sun's rays, helping keep roofs cooler and reducing air conditioning energy loads. They meet ENERGY STAR® requirements for solar reflectance of .25, the fraction of solar energy reflected by the roof.

COMPOSITES

Fiberglass-reinforced composites can be light, insulating, corrosion and heat-resistant. They are used to replace steel, aluminum, wood and other materials. Fiberglass as a reinforcement provides for lighter weight with comparable or better strength than materials used such as steel. Lighter weight means fewer emissions and more fuel efficiency in all forms of transportation.

Glass fiber composites also have been shown to have less impact on the environment through comparison of the life cycle assessment of specific parts made from steel and aluminum. Life cycle assessment takes into consideration the raw materials extraction, manufacturing, installation, maintenance and end of life of composite parts versus other materials.

In 2012 SUSTAINA® surfacing and reinforcing glass non-woven solutions were introduced to the residential and commercial building markets. This new technology helps meet requirements for indoor air quality (IAQ) in product-applications. The product contains a bio-based, formaldehyde-free binder system and delivers higher tensile strength performance versus traditional products.

With increasingly higher strength technology, composites have also provided more efficiency and greater economy for wind energy turbines using longer, lighter and more productive blades at lower windspeeds.

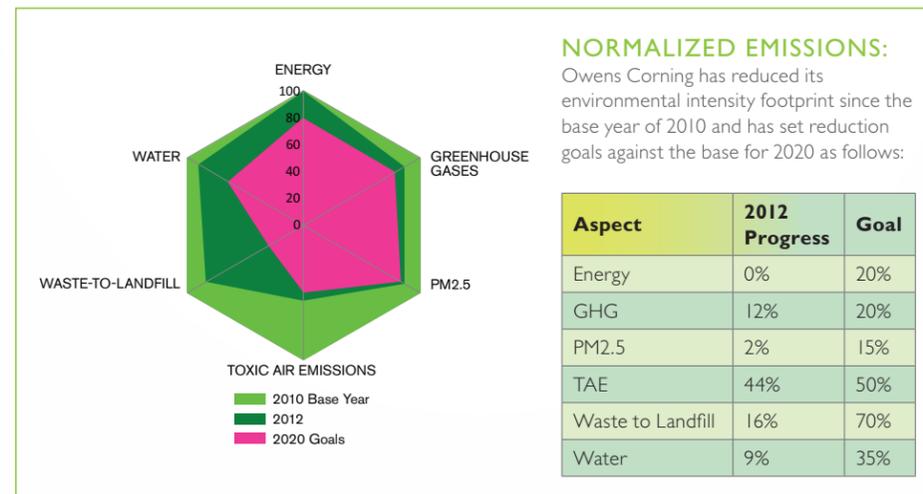
OUR ENVIRONMENTAL FOOTPRINT

Owens Corning is committed to shrinking its environmental footprint through continuous reduction of resource use and environmental emissions from its operations. In 2012, we successfully met all seven of our first 10-year environmental footprint goals. We have now transitioned toward achieving our ambitious 2020 goals, focused on six key aspects:

- Energy
- Greenhouse Gases (GHG)
- Fine Particulate Matter (PM2.5)
- Toxic Air Emissions (TAE)
- Waste-to-Landfill
- Water

The company's six aspects are shown in the footprint graphic below. The 2010 baseline year is shown as the light green outside border of the spider chart, representing 100 percent of each aspect. The pink center footprint indicates the company's 10-year "intensity" goals. The dark green footprint represents our status at the end of 2012.

As the chart indicates, we have a positive start into our next set of 10 year goals with improvement in 2012 over 2010 in all aspects.



RECOGNITION

Owens Corning earned multiple awards and accolades in 2012. We are proud of these accomplishments as they demonstrate our commitment to social responsibility and environmental stewardship.

Owens Corning Again Named to Dow Jones Sustainability World Index.

For the third year in a row, Owens Corning earned placement in the Dow Jones Sustainability World Index (DJSI World) in recognition of its sustainability initiatives.

CORPORATE CITIZENSHIP

Every day, our employees are living our purpose – Delivering Solutions, Transforming Markets and Enhancing Lives. Through contributions of time, talent and resources Owens Corning helps build stronger, more cohesive communities.

EMPLOYEE VOLUNTEERISM

In 2012, 29% of Owens Corning locations participated in at least one community service project and completed a total of 86 projects across the globe. Company sponsored volunteer opportunities built homes for those in need, revitalized neighborhoods, supported community centers and homeless shelters, aided disadvantaged elderly in China and more. Owens Corning employees contributed thousands of hours of service to boards, special causes and non-profit organizations.

FINANCIAL SUPPORT

The Owens Corning Foundation is a 501(c)(3) non-profit organization that was established in 1978 to enhance lives through charitable contributions. The Foundation supports Owens Corning's stakeholder communities throughout the U.S. and around the globe through partnerships and grant funding. Additionally, the Foundation engages employees through multiple programs designed to encourage volunteerism and giving.

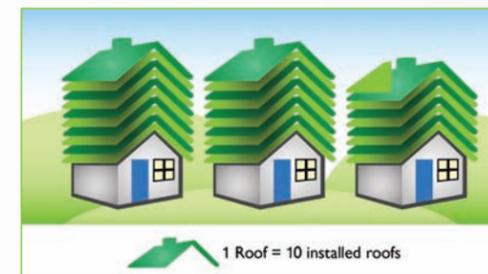
PRODUCT DONATION

As a global leader in building materials and composite solutions, we know our products can make a significant impact in the areas of critical needs shelters and safe, efficient housing for those in need. Donations of building materials are focused in support of that strategy in several key areas:

- Building and rehabilitation of safe, efficient housing for those in need
- Neighborhood revitalization projects
- Revitalization of shelters and community centers
- Disaster relief

Owens Corning donates building materials to organizations such as Habitat for Humanity®, HomeAid, Good360 and World Vision to provide shelter and housing for those in need.

In 2012, Owens Corning donated enough shingles to re-roof more than 280 homes and enough insulation to insulate 1,091 homes for those in need (based on 25 squares of shingles for a 2,000 sq. ft. home and 1,500 lbs. of insulation per home).



* Made with a minimum of 99 percent by weight natural materials consisting of minerals and plant-based compounds.