



## News Release

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### Bayer MaterialScience advances clean energy initiatives

Use of renewable energy to shrink carbon footprint

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**Sheffield, November 08, 2011** — Bayer MaterialScience LLC, announced that a comprehensive initiative on the use of alternative energy sources at its sheet products operations will reduce its future carbon footprint by 20%. The announcement follows the award of a new energy contract to Hess that will increase the amount of power Bayer receives from renewable sources.

The Bayer sheet business worked in tandem with World Energy Solutions, Inc. (NASDAQ: XWES), a leading energy management services firm, to evaluate alternatives and establish contracts to purchase a substantial portion of its energy from green sources including solar and wind power providers.

By purchasing 20 percent clean energy, the plastics manufacturer will reduce its carbon dioxide emissions by 3,793 metric tons annually. According to EPA statistics\* the reduction yields the equivalent of each of the following annually:

- Removing 744 passenger vehicles from the road
  - Reducing demand for 8,820 barrels of oil
  - Reducing the need for 20.7 railcars worth of coal
  - Reducing the equivalent demand of electricity to power 473 homes
- (\*Source: EPA Greenhouse Gas Equivalencies Calculator)

“With the help of the team at World Energy, we have advanced our commitment to green business practices, and saved money on our overall energy costs,” said Tim Ryan, Manufacturing Manager for Bayer MaterialScience’s Sheffield facility. “This latest initiative is part of our business-wide environmental responsibility efforts that also include more efficient use of power, reduction and reclaim of material trim and minimization of our waste stream and landfill impact,” he added.

According to Phil Adams, President, World Energy Solutions: “From Massachusetts to California, our customers are reaping the benefits of our

approach to energy management that combines the market expertise of our people with best-in-class processes and technologies. Our ability to deliver to Bayer MaterialScience's sheet facility a significant increase in their use of renewable energy coupled with a cost saving validates the effectiveness of our approach."

**About Bayer MaterialScience LLC:**

Bayer MaterialScience LLC is one of the leading producers of polymers and high-performance plastics in North America and is part of the global Bayer MaterialScience business with approximately 14,700 employees at 30 production sites around the world and 2010 sales of 10.2 billion euros. The company manufactures high-tech polymer materials and develops innovative solutions for products used in many areas of daily life. The main segments served are the automotive, electrical and electronics, construction, medical, and sports and leisure industries. Sustainability is central to Bayer MaterialScience LLC's business and is based around the key areas of innovation, product stewardship, excellence in corporate management, social responsibility and respect for the environment.

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For more information about Bayer MaterialScience visit our website at [www.sheffieldplastics.com](http://www.sheffieldplastics.com)

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