



Pioneering science delivers vital medicines™

Environmental sustainability

Amgen's environmental responsibility

As a global leader in human therapeutics, Amgen is committed to environmentally responsible operations, which includes using natural resources wisely and considering our overall impact on the environment. We recognize that conducting our business in an environmentally responsible way is not only good for the future of the planet; it's also good for our business.

Taking action, making progress



Green facilities

Over the past several years, Amgen has conserved hundreds of thousands of gigajoules of energy and reduced thousands of metric tons of carbon dioxide (CO₂) emissions by updating facilities to reduce ventilation rates during unoccupied periods. Amgen spreads successful conservation practices such as this across a network to help us make progress toward our 2012 conservation targets. The targets are described in more detail on the reverse page.



Green initiative

When a staff member observed that hundreds of pairs of used visitor safety glasses from lab and manufacturing areas were needlessly discarded, she established a recycling program. This is just one example of staff initiative that has contributed to improving Amgen's recycling rate by 53 percent from 2007 through 2010. Amgen staff members are engaged in many conservation efforts that make improvements for the environment and our business.



Green products

In 2010, Amgen scientists launched a Green Chemistry program to find ways to use safer chemicals, less energy, and more-efficient practices as they research potential new medicines. This program is one component of Amgen's Green Products and Processes program, which supports ongoing work to build environmental sustainability considerations into core areas of our business such as research, manufacturing, and packaging of vital medicines.

Reducing our impact

Through conservation efforts, Amgen:

- Reduced paper use by nearly half—53 million sheets of paper—from 2007 through 2010.
- Recycled 75 percent of the wastewater generated by operations at Amgen's largest manufacturing plant in Puerto Rico in 2010, thanks to an on-site wastewater treatment plant.
- Diverted more than 16,000 metric tons of recyclables from landfills—equivalent to 3,200 garbage trucks—from 2007 through 2010.
- Conserved 520,000 gigajoules of energy, reduced 46,000 metric tons of CO₂, and saved more than \$9 million in energy costs as a result of conservation projects implemented from 2008 through 2010.

The Amgen 2010 Environmental Sustainability Report

We invite you to learn more about Amgen's efforts and progress in reducing our impact on the environment in our 2010 Environmental Sustainability Report available at: environment.amgen.com/ESReport.



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Making progress to achieve targets

Setting and achieving conservation targets are key components of Amgen's commitment to environmental sustainability. We identified energy, carbon dioxide, water, waste, and the fuel efficiency of our U.S. sales fleet as target areas where reductions and conservation efforts could make the greatest impact. To measure our progress, we track the results of projects and initiatives against a 2007 baseline.

We have already met our water, energy, and waste (recycling) targets and are on track to meet our remaining conservation targets.

See our [2010 Environmental Sustainability Report](#) for more information about these targets.

2012 Target		Results of conservation projects through 2010	
Energy	Conserve 500,000 gigajoules (GJ) of energy by 2012	Reduction to date: 520,000 GJ	Target met
Carbon dioxide	Reduce 75,000 metric tons (MT) of CO ₂ by 2012	Reduction to date: 46,000 MT	62 percent of target met*
Water	Conserve 235,000 cubic meters (m ³) of water by 2012	Reduction to date: 616,000 m ³	Target met
Recycling	Recycle greater than or equal to 40 percent of routine non-hazardous waste by 2012	Recycling rate to date: 58.5 percent	Target met
Waste	Reduce 700 metric tons of routinely generated waste by 2012	Reduction to date: 435 MT	62 percent of target met
Fuel efficiency	Improve U.S. fleet vehicle fuel efficiency by 4 miles per gallon (MPG) to 23 MPG by 2012	Improvement to date: 3 MPG	75 percent of target met

*Small discrepancies in data are due to rounding.

Conservation awards

2011 U.S. EPA Environmental Quality Award, the highest honor the agency awards to the public, was awarded to Amgen Manufacturing Limited in Puerto Rico in the category of business and industry for Region 2.

2010 Waste Reduction Award Program (WRAP) honor given to Amgen's facility in South San Francisco by the California Integrated Waste Management Board for sound environmental practices.

2010 WasteWatch Award was given to Amgen headquarters by the City of Thousand Oaks, California for outstanding achievements in waste reduction and recycling.

More award information available at environment.amgen.com.

Caring for the environment in our communities

The Amgen Foundation invests in environmental education programs that improve science literacy among students and support environmental and community health. The Foundation has partnered with such groups as the National Marine Sanctuary Foundation, "e" inc., the Thorne Ecological Institute, and the National Wildlife Federation.

Amgen's manufacturing site in Puerto Rico is nearing completion of a reforestation plan that will help avoid erosion and sedimentation of local rivers. The facility has planted nearly 2,500 trees so far in alignment with a visionary project led by the Puerto Rican government to plant 4 million new trees on the island over a 25-year period.



Amgen staff volunteers gladly lend a hand through organized environmental volunteer activities in the communities where Amgen operates. In 2010, Amgen staff cleared one half of a metric ton of waste from beaches and waterways as part of the International Coastal Cleanup. Thousands of staff members from Amgen facilities around the world attend annual Earth Day events. Staff organizers bring in local experts on the environment and share conservation practices.