



AMGEN®
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

Through our Sustainable Design and Construction program, we use practices that decrease energy and water use, often going beyond industry green standards. In 2011, we completed an innovative renovation of an office building on our Thousand Oaks, California, campus that combines green building techniques with modern workspace design and technology. This pilot project is being assessed as a new standard for building at Amgen.



Green Initiative

Staff initiative meets a culture of continuous improvement to create conservation gains. A technician at our plant in Rhode Island made a discovery that is saving nearly 2,000 cubic meters of water per year. The facility estimates it's saved more than 15,000 cubic meters of water total since 2009 from similar individual staff ingenuity and input. Globally, we've exceeded our 2012 target for water conservation.



Green Products

Through Amgen's Green Biology and Green Chemistry programs, our scientists are making processes more efficient and are using greener compounds and fewer resources in the development of our medicines. These programs are part of our 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 more than half—60 million sheets of paper—from 2007 through 2011.
- Recycled 72 percent of the treated wastewater generated by operations at Amgen's largest manufacturing plant—in Puerto Rico in 2011—thanks to an on-site wastewater treatment plant.
- Diverted more than 20,000 metric tons of recyclables from landfills—equivalent to 4,000 garbage trucks—from 2007 through 2011.
- Conserved 723,000 gigajoules of energy, reduced 64,000 metric tons of CO₂, and saved more than \$11 million in energy costs as a result of conservation projects implemented from 2008 through 2011.

The Amgen 2011 Environmental Sustainability Report

We invite you to learn more about Amgen's efforts and progress in reducing our impact on the environment in our 2011 Environmental Sustainability Report, available at environment.amgen.com.



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 reduction and recycling targets and are on track to meet our remaining conservation targets.

See Amgen's [2011 Environmental Sustainability Report](#) for more information about these targets.

2012 Target

Energy

Reduce 500,000 gigajoules (GJ)
12% of 2007 baseline

Carbon dioxide

Reduce 75,000 metric tons (MT)
18% of 2007 baseline

Water

Reduce 235,000 cubic meters (m³)
7% of 2007 baseline

Recycling

Divert more than 40%
2007 rate was 38%

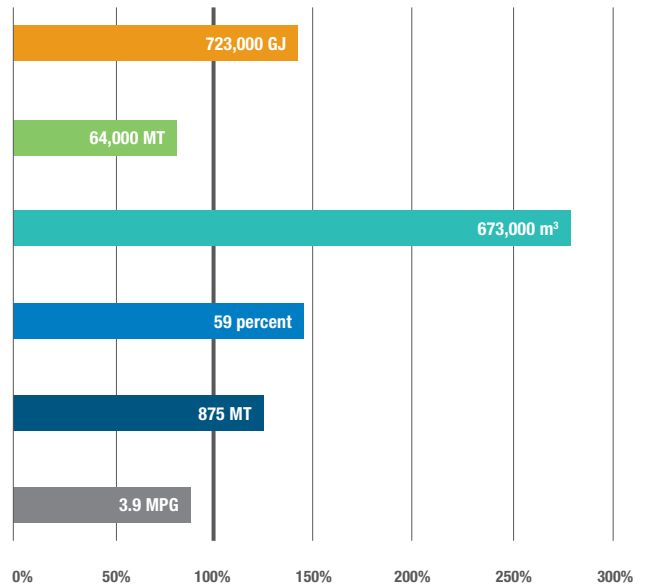
Waste

Reduce 700 metric tons (MT)
7% of 2007 baseline

Fuel efficiency

Improve by 4 miles per gallon (MPG)
23% of 2007 baseline

Percentage Complete Through 2011



Conservation Awards

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

2011 Energy Partner of the Year awarded to Amgen by the governor's office of Colorado for "outstanding efforts in helping make Colorado a world leader in energy efficiency."

2012 Biotech Sector Mover recognition given to Amgen by Sustainable Asset Management (SAM) for sustainability improvements. SAM conducts the annual Dow Jones Sustainability Index survey.

More award information is 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 Surfrider Foundation, The Nature Conservancy, and NatureBridge.

Amgen's manufacturing site in Puerto Rico completed a reforestation plan in 2011 that will help avoid erosion and sedimentation of local rivers. The facility planted 2,858 trees 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 2011, Amgen staff cleared more than two metric tons 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. And staff organizers bring in local experts on the environment to talk about conservation practices.

