



# Boeing and the Environment: Our Commitment to a Better Future



# Message from Jim McNerney



Jim McNerney  
Chairman, President and Chief  
Executive Officer

“Protecting our planet’s environment and finding new ways to harness diverse energy resources continues to be a priority for Boeing. And we are demonstrating our commitment through action.

Boeing has introduced effective new technologies for improving the environmental performance of our products, services and operations. And we continue to apply our resources to the most important areas for improvement.

Today’s employees are advancing the same spirit of innovation that has driven Boeing’s leadership in aerospace for nearly 100 years. That spirit will continue to help us meet our commitments to protect our environment and create a better future.”

## Reducing our environmental footprint

Boeing is working to aggressive five-year targets for reductions in energy use, greenhouse gas emissions and hazardous waste at our major manufacturing facilities by 2012.

25% increase in energy efficiency

25% reduction in greenhouse gas emissions intensity

25% reduction in hazardous waste per dollar of revenue

25% increase in recycling rates

All of Boeing’s major manufacturing facilities are certified to the globally recognized ISO 14001 environmental standard. And Boeing is collaborating with and engaging our suppliers to drive innovative solutions that improve environmental performance.

## Investing in our communities

The environment is one of Boeing’s five strategic community investment areas. Boeing is actively involved in efforts to preserve the environment by investing money in innovative community-based environmental programs, and Boeing employees collectively donate thousands of hours of their own time to company-sponsored environmental volunteer events each year.



# Pioneering new technologies

Boeing is developing industry-leading technologies to reduce emissions of greenhouse gases and other environmental impacts.

## Environmentally Progressive Products and Services

Boeing has an ongoing legacy of integrating environmental performance improvements through technology advancements. Over the past 50 years, commercial jet carbon dioxide emissions have been reduced by approximately 70 percent. We are committed to improving the fuel efficiency of each new generation of commercial airplanes by at least 15 percent, and support establishing a global aviation fuel efficiency standard for new airplane designs. Boeing is also developing the technologies our government customers need to achieve their aggressive goals for energy efficiency and independence.

## Alternative Energy Solutions

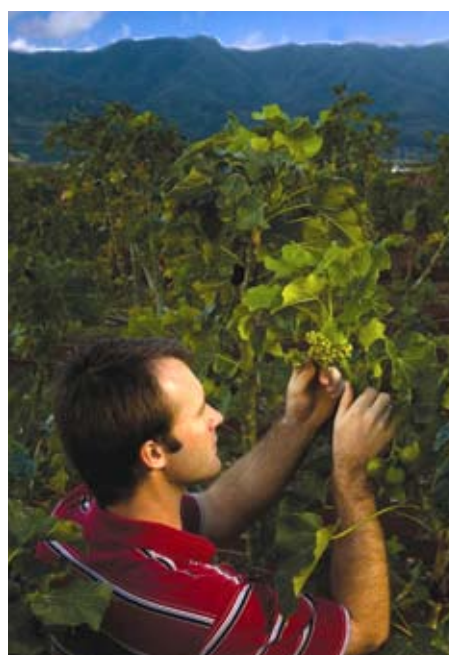
Boeing is pioneering advancements in alternative energy sources that offer the potential to reduce greenhouse gas emissions. We conducted a series of evolutionary test flights to help prove the technical viability of sustainable biofuels for aviation. Our wholly-owned subsidiary Spectrolab is one of the world's leading manufacturers of solar cells.

## Air Transportation Systems

Significant environmental benefits can be realized by improving the efficiency of the global transportation system; the International Air Transport Association estimates that air traffic management enhancements could improve fuel efficiency and reduce carbon dioxide emissions by up to 12 percent. Our work includes the development of solutions, such as Tailored Arrivals, that reduce fuel use, emissions and noise.

## Research and Development

More than 75 percent of Boeing Commercial Airplanes' research and development effectively contributes to improving the environmental performance of our products. Across the company, Boeing is actively pursuing technologies in lightweight advanced materials, aerodynamics, aircraft emissions, efficient aircraft operations, noise reduction, alternative fuels, sustainable manufacturing processes and materials, and the safe and environmentally progressive recycling and reuse of our products.



» To learn more, go to [www.boeing.com/environment](http://www.boeing.com/environment)

This brochure is a brief synopsis of Boeing's environmental strategies, plans and commitments. For our Environment Report and additional information about our environmental performance, please visit us online at [www.boeing.com/environment](http://www.boeing.com/environment).

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