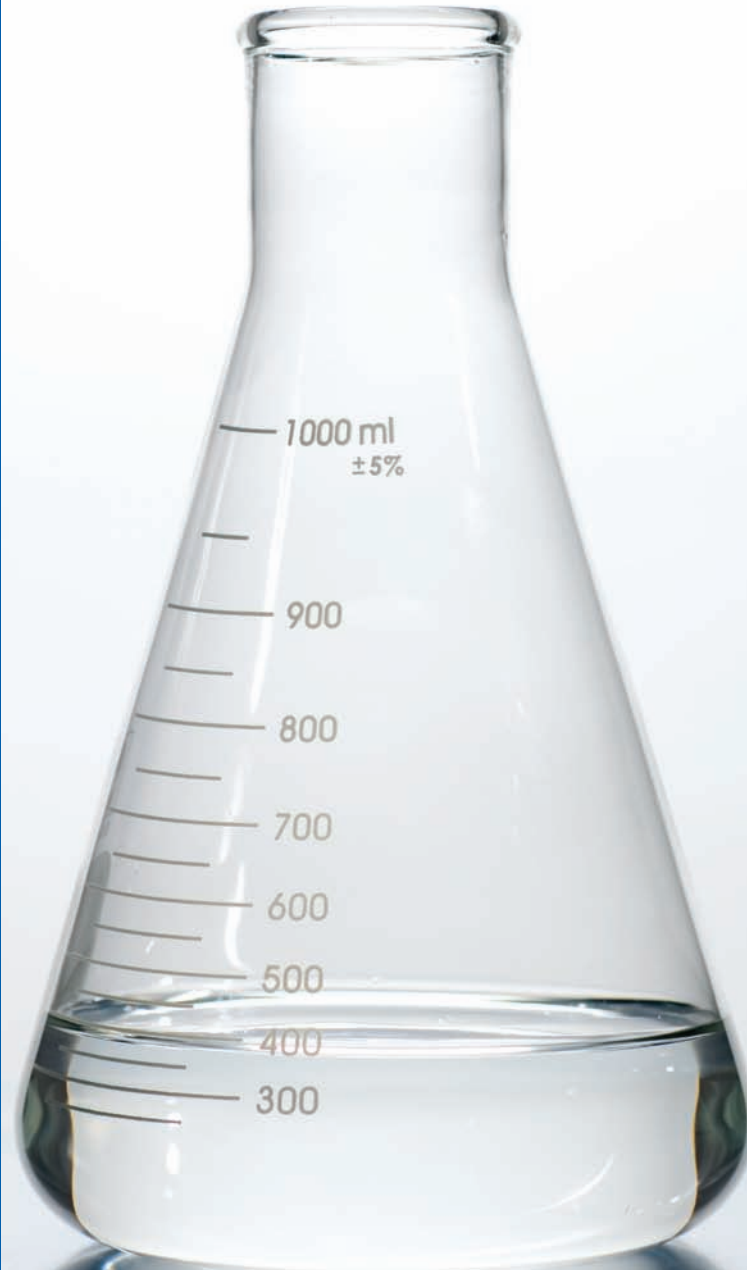


What is the future of jet fuel?



Cleaner and cleaner. Less and less.

Jet fuel powers the airplanes that connect people and economies around the world. It also produces carbon dioxide, one of the greenhouse gases at the center of climate change. That's why Boeing Commercial Airplanes is committed to helping develop cleaner fuels and innovating commercial aircraft that use less and less fuel to begin with. Today, saving one pound of fuel means producing three fewer pounds of carbon dioxide. Our industry's contribution to human-produced emissions is small and we are focused on keeping it that way.



Today, aviation accounts for only about 2 percent of the world's human-produced carbon dioxide emissions—compared with 18 percent from highway vehicles.

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This is our plan. These are our commitments.

15% improvement in fuel efficiency and CO₂ emissions for each new generation of airplane

Design innovation is the essence of our DNA as a company. By continually harnessing the power of design, we create game-changing airplanes that are each more environmentally progressive than the last. Because increasing fuel efficiency and reducing CO₂ emissions are our priority, every new generation of Boeing commercial aircraft will deliver ever-increasing advances in these areas.

25% efficiency improvement in worldwide fleet fuel use and CO₂ emissions by 2020

New, more efficient airplanes are only part of the solution. We're working closely with the industry to improve the environmental performance of existing fleet operations. Significant reductions in fuel and CO₂ emissions are being achieved through improvements in carrier and airport operations as well as upgraded equipment. Additionally, we're focused on industry and government initiatives to optimize air traffic management systems, which represent a significant opportunity for efficiency improvements.

75% of technology research and development will benefit environmental performance

Technology creates new possibilities. We are pioneering new technologies that deliver measurable improvements in environmental performance. Our research and development is focused on improving fuel efficiency, reducing emissions and minimizing noise footprints. We're also pursuing low carbon alternative fuels.

100% of manufacturing sites planned for ISO 14001 certification

An airplane's environmental footprint begins well before its first flight. Our focus spans the entire product lifecycle, from design and manufacturing to the recycling of decommissioned aircraft. As an advocate and proven practitioner of Lean+ processes, all of Boeing Commercial Airplanes' manufacturing sites have achieved or will achieve certification under stringent and internationally accepted environmental management standards.

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Our progress in using more efficient aerodynamic designs, engines, electronics and processes has improved the fuel efficiency of our commercial airplanes by 70 percent over the past 40 years.



Find out more about our policies and practices for innovating environmentally progressive aviation.

www.boeing.com/environment



MOHAWK
manufactured with windpower

Brochure paper:
Mohawk Options 100%
PC Paper. Made from
100% post-consumer
waste and processed
elemental chlorine-free.

Since 1998, Boeing has decreased its total electricity consumption by 35 percent and reduced its hazardous waste by 65 percent.

35

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Nearly 32 percent of Boeing employees use alternate commuting modes, from public transportation and carpooling to working remotely.