





Operational Targets Progress

Boeing invests in sustainable operations to **reduce the impact of our manufacturing sites** and is focused on **conserving resources**. We prioritize **reducing emissions, energy, water and waste throughout our global operations** and have set 2025 waypoints toward 2030 goals to share our progress and remain accountable as we increase production. Boeing's sustainable operations strategy is managed within the **Global Enterprise Sustainability organization**, in close partnership with stakeholders across the enterprise. Through our Sustainable Operations subcouncil, we track performance across the enterprise and at the site level to assess our progress, identify challenges and opportunities, and share best practices.

Performance Area ¹	2025 Targets vs. 2017 ²	2022 Progress Toward 2025 Targets and Drivers	2030 Targets ³
 Greenhouse Gas Emissions	Reduce emissions by 25% ¹	31% Reduction Procurement of renewable energy and renewable energy credits, low commercial production activity and infrastructure investments.	<ul style="list-style-type: none">• Net-zero emissions.⁴• 55% GHG reduction from 2017.• 100% renewable electricity.
 Energy⁵	Reduce energy consumption (natural gas, other fuels and electricity) by 10%	11% Reduction Conservation initiatives, infrastructure investments, remote working conditions and reduced production activity.	<ul style="list-style-type: none">• 10% energy reduction from 2025.
 Water⁶	Reduce water withdrawal by 20%	19% Reduction Increased water intake efficiencies and low production activity.	<ul style="list-style-type: none">• 5% reduction from 2025.
 Solid Waste⁷	Reduce solid waste to landfill by 20%	40% Reduction Conservation initiatives, vendor management and remote working conditions.	<ul style="list-style-type: none">• 30% reduction in solid waste produced from 2025.• Over 90% diversion from landfill or incineration.• Zero solid waste to landfill certification where applicable at major sites.
 Hazardous Waste⁸	Reduce hazardous waste by 5%	9% Reduction Projects to reduce unused and expired materials, and partnerships to reduce waste generation.	<ul style="list-style-type: none">• 5% hazardous waste reduction from 2025.

1. Operational goals shown are absolute targets and not indexed to production levels or growth. 2022 performance was affected by changes associated with occupancy and operations during the COVID-19 pandemic, as well as conservation and changes in how Boeing purchases energy. The targets were established against a 2017 base year. The 2025 goals will act as a milestone to guide actions and progress to the 2030 goals.

2. All 2025 reduction goals were set with an operational boundary of the Core Metric Sites, which represent the majority (70%) of Boeing's operations, and includes emissions from electricity use and natural gas.

3. The 2030 reduction goals set with an operational boundary of The Boeing Company and includes all Scope 1 and Scope 2 emissions.

4. The net-zero achievement covers Scope 1 and Scope 2 emissions for all manufacturing and work sites within the company's operational control as well as Scope 3, business travel. This is achieved by **expanding conservation and renewable energy** use while securing carefully selected, third-party-verified offsets for the remaining greenhouse gas (GHG) emissions.

5. Energy includes natural gas, other fuels and electricity.

6. Water data represents approximately 84% of operations square footage.

7. Solid waste numbers represent values determined from scale-weighted containers as well as calculated weights. **Nonhazardous solid waste is sent to landfill for disposal.** This measure applies to all waste streams where Boeing is responsible for **waste disposal service** as a normal part of daily operations (excludes remediation and construction-related waste).

8. Hazardous waste is determined from U.S. EPA hazardous manifest or equivalent government shipping documents. All types of hazardous wastes that are generated at a facility and are discarded from the site for disposal, and would be considered part of the environmental footprint of the site. Actual tons of all Production or routine wastes shipped as hazardous waste (excludes remediation and construction-related waste).