



Intel is leading the industry in sustainable semiconductor manufacturing

Intel's purpose is to create world-changing technology that improves the life of every person on the planet. Driving to the lowest possible environmental footprint while increasing the energy efficiency and lowering the total carbon footprint of products and platforms is a vital way to fulfill that purpose.

As the industry leader in sustainable semiconductor manufacturing, Intel has set ambitious environmental goals.

Electricity 	Water 	Waste 	Climate 
100% renewable electricity by 2030.	Net positive water by 2030.	Zero waste to landfill by 2030.	Net-zero Scope 1 and 2 greenhouse gas emissions by 2040.
PROGRESS IN 2022 - ON TRACK TO GOALS			
93% renewable electricity globally.	107% of fresh water usage was returned and restored.	6.4% waste to landfill.	Scope 1 and 2 greenhouse emissions decreased 4% from the 2019 baseline.

Intel has been recognized in multiple ratings and rankings for its drive toward more sustainable semiconductor manufacturing. For a list of the corporate responsibility-related awards and recognitions Intel has received, visit [intel.com/sustainability](https://www.intel.com/sustainability).

The company is making noteworthy progress toward these goals. Leading achievements include:

- **Electricity:** In 2022, Intel achieved 100% renewable electricity in the U.S., European Union, Israel and Malaysia, and is approaching 100% in Costa Rica — bringing the global total to 93%.¹ Over the last five years, Intel has purchased 33.6 billion kWh of renewable electricity, enough to power more than 3.2 million U.S. households for one year.²
- **Water:** In 2022, Intel conserved approximately 9.6 billion gallons of water in its operations and enabled restoration of 3.0 billion gallons through watershed restoration projects.³ The company also achieved net positive water in two countries: the U.S. and India.
- **Waste:** During 2022, circular economy practices were applied to approximately 67% of Intel's manufacturing

waste streams via reuse, recovery or recycling. Since the mid-1990s, we have increased our global recycling⁴ rate of nonhazardous waste from 25% to 87% even while Intel's business and production continued to grow.

- **Driving our value chain toward sustainable computing⁵:** Intel pledged to reduce greenhouse gas emissions in its operations and across the value chain. During 2022, the company's Scope 1 and 2 greenhouse gas emissions decreased 4% from the 2019 baseline⁶. Further, Intel is a founding member of the newly created Semiconductor Climate Consortium, which brings together suppliers, peers and customers to accelerate solutions that will reduce the industry's greenhouse gas emissions.
- **Piloting greener chemistry:** Intel is collaborating with the industry and academia to identify, develop and pilot alternative green chemistry solutions. For example, Intel is working with the industry association SEMI and the Semiconductor Research Corporation to set up a sustainable semiconductor manufacturing program that will strive to develop alternatives to harmful chemicals.



¹ 2022-23 Intel Corporate Responsibility Report: [csrreportbuilder.intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf](https://www.intel.com/sustainability/csrreportbuilder/intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf), p. 64

² Based on average U.S. household energy usage figures published by the U.S. Energy Information Administration.

³ 2022-23 Intel Corporate Responsibility Report: [csrreportbuilder.intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf](https://www.intel.com/sustainability/csrreportbuilder/intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf), p. 64

⁴ 2022-2023 Intel Corporate Responsibility Report: [csrreportbuilder.intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf](https://www.intel.com/sustainability/csrreportbuilder/intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf), p. 78

⁵ 2022-2023 Intel Corporate Responsibility Report: [csrreportbuilder.intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf](https://www.intel.com/sustainability/csrreportbuilder/intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf), p. 78

⁶ 2022-2023 Intel Corporate Responsibility Report: [csrreportbuilder.intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf](https://www.intel.com/sustainability/csrreportbuilder/intel.com/pdfbuilder/pdfs/CSR-2022-23-Full-Report.pdf), p. 71