

Alphabet's Sustainability 2025 Milestones

Key achievements from Alphabet's 2025 Environmental Report.

Building an energy future that's faster, cleaner, and more reliable.

12%

Data center emissions reduced
despite 27% more electricity use

4.5B

Gallons of water replenished
= 40,000 U.S. households annually

8 GW

Clean energy signed in 2024
largest annual total in Alphabet's history

30x

TPU power efficiency improved
compared to previous generation

26M

Tonnes CO₂e reductions enabled
through five Alphabet products

1st

World's first corporate nuclear
SMR clean energy agreement



Strategy Note:

This infographic advances Alphabet's sustainability messaging by presenting six verified milestones drawn directly from Alphabet's 2025 Environmental Report. The six data points — a 12 percent reduction in data center energy emissions despite a 27 percent increase in electricity consumption, 4.5 billion gallons of water replenished, 8 gigawatts of clean energy agreements signed in 2024 (the largest annual total in Alphabet's history), a 30-fold improvement in TPU power efficiency, 26 million tonnes of CO₂e reductions enabled through five Alphabet products, and the world's first corporate nuclear small modular reactor agreement — were selected because they collectively demonstrate that Alphabet is achieving measurable environmental progress even as its AI infrastructure grows. The sustainability theme was chosen over business statistics because it directly addresses the most prominent public concern surrounding AI expansion: its environmental cost. By leading with verified outcomes rather than aspirational targets, the infographic reinforces Alphabet's position as a credible and accountable leader in responsible AI development. Designed for social media sharing, the vertical format is optimized for platforms such as Instagram and LinkedIn, where the Shared media category reaches broad digital audiences with minimal copy and strong visual impact.