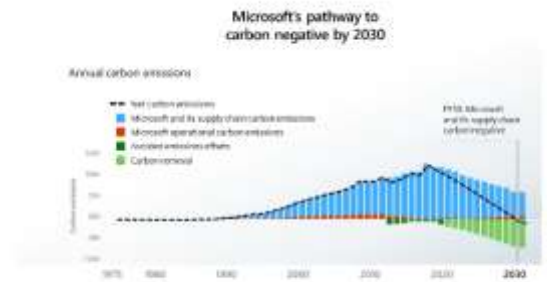


Microsoft responds to environmental challenges for Sustainability



The world confronts an urgent carbon problem. The carbon in our atmosphere has created a blanket of gas that traps heat and is changing the world's climate. Already, the planet's temperature has risen by 1 degree centigrade. If we don't curb emissions, and temperatures continue to climb, science tells us that the results will be catastrophic. For this reason, Companies are taking green initiative and Microsoft is also one of those companies. It operates 100% carbon neutral.

Microsoft is a US-based technology company. It was founded by Bill Gates and Paul Allen in 1975 and quickly grew to become the largest software company in the world.

Since 2012, Microsoft has been carbon neutral around the world and its plan to be carbon negative by 2030. From 1975 Microsoft has emitted carbon in the environment either directly or by electrical consumption. So, their plan is by 2050 they will remove all the carbon which they emitted in the environment from 19

Carbon Negative by 2030

In January 2020, Microsoft launched a program to cut their carbon emissions by more than half by 2030.

This will be funded in part by expanding the internal carbon fee, in place since 2012 and increased in 2019, to start charging not only their direct emissions, but those from the supply and value chains.

They also launched an initiative to use Microsoft technology to help suppliers and customers around the world reduce their own carbon footprints and a new \$1 billion climate innovation fund to accelerate the global development of carbon reduction, capture, and removal technologies.



Principled Approaches

- Grounding in Math and Science
- Taking Responsibility for Carbon Footprint
- Investing for new carbon reduction and removal technology
- Empowering customers around the world
- Ensuring Effective Transparency
- Using their voice on Carbon related Public Policy Issues
- Enlisting Employees

By following planned and principal approaches Microsoft intends to achieve its goal to become carbon neutral by 2030.

One year later: The path to carbon negative – Progress report of Microsoft

After reaching the one-year anniversary of this pledge Microsoft achieved many milestones

- In its first year Microsoft reduced its carbon emissions by 6 percent, or roughly 730,000 metric tons.
- They have purchased the removal of 1.3 million metric tons of carbon from 26 projects around the world.
- 60K metric tons of waste diverted from landfills.
- 10 petabytes of environmental data now available



Initiatives that were taken by Microsoft

Carbon Negative

- Founding member of Net Zero.
- Updated Supplier Code of Conduct to require a GHG emission disclosure.
- Launched the Microsoft Sustainability Calculator
- Secured 1.3 million metric tons of carbon removal



Water Positive

- Co-founded the Water Resilience Coalition.
- Invested \$10 million in Emerald Technology Ventures' Global Water Impact Fund
- Launched water accessibility work to help provide 1.5 million people access to safe drinking water and sanitation

Zero Waste

- Invested \$30 million in Closed Loop Partners' funds.
- Achieved Zero Waste Certification of datacenters in Dublin, Ireland and Boydton, Virginia.
- Engaged 10,500 employees in Eco-challenges to

reduce personal waste footprints.

- Successfully piloted first Microsoft Circular Center in Amsterdam, which can contribute to increased reuse of servers by 90% by 2025



Ecosystems

- Grew the AI for Earth community to over 700 AI for Earth grantees in more than 100 countries around the world
- On-boarded 10 petabytes of environmental and Earth observation data to Azure.
- Established partnerships with The Nature Conservancy and the National Fish and Wildlife Foundation



Focus for the future

Carbon Negative

- Continue to make progress against carbon negative agenda
- Expand the functionalities of the Microsoft Sustainability Calculator

Water Positive

- Sourcing replenishment projects
- Identify technology adoption opportunities for emerging water technologies

Zero Waste

- Building an ecosystem to reduce single-use plastics in consumer and transportation packaging.
- Train employees on company-wide and site-specific procedures to operationalize zero waste.
- Run feasibility tests to determine if recovered ocean plastics can be processed and used in Microsoft products

Ecosystems

- Build open-source Planetary Computer tools
- Expand data hosting program to key environmental datasets
- Identify the specific areas of land that Microsoft will safeguard, and initiate land procurement and protection.