Microsoft Azure

New Zealand

Sustainability fact sheet

As more people and businesses rely upon technology to stay connected, informed, and productive, digital needs in New Zealand and around the globe are growing and that means the need for datacenters is growing too.

The Microsoft Cloud offers customers an energy efficient and carbon neutral alternative to running their own private datacenters. Research shows that Microsoft Cloud services can be up to 93 percent more energy efficient than traditional enterprise datacenters.

We're committed to providing a sustainable Microsoft Cloud, so we wanted to share information about how we take responsibility for our datacenter operations.

For Microsoft's datacenters in the New Zealand North region, located in Auckland, New Zealand, we have included local sustainability investments and datapoints in support of meeting and exceeding our commitments around carbon, water, waste, and ecosystems.

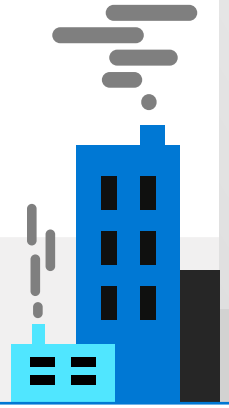
Published September 2022. This document shares information we have as of the publication date, and it includes estimated information and projections. The information is provided as-is and may change without notice.

Carbon

Design power usage effectiveness (PUE) for new datacenters

1.12

Not yet in operation

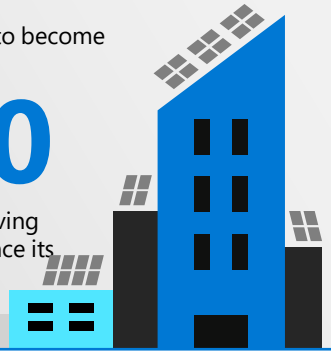


Microsoft's commitment

Microsoft pledged to become carbon negative by

2030

And by 2050, removing historical carbon since its founding in 1975



34% renewable energy coverage

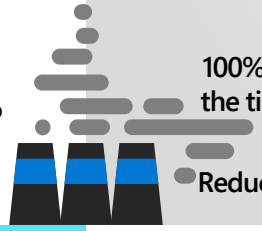
approximate energy procured through June 2021

Microsoft will reduce Scope 1 and 2 emissions to near zero through energy efficiency work and by reaching

100% renewable energy supply by 2025.

In the New Zealand, we plan to use a **renewable biofuel blend to power our backup generators that reduces net carbon emissions.**

New Microsoft datacenters are designed to earn **LEED Gold certification.**



Microsoft has also committed by **2030** to be:

Diesel free

100% of electricity consumption, 100% of the time, matched by zero carbon energy purchases

Reducing our Scope 3 emissions by more than half

Learn about PUE and WUE

Water

Design water usage effectiveness (WUE)

0.0 $\frac{L}{kWh}$

Not yet in operation

In 2020, Microsoft pledged to be water positive for our direct operations by 2030.

Through this commitment, we will replenish the water consumed by datacenter operations in water-stressed regions. We have also committed to reduce water waste in our datacenter operations by 95% by 2024.

Microsoft Azure

Achieving your sustainability goals

Microsoft Azure enables operational agility, performance, efficiency, and sustainability so you can reduce your company's water usage, waste output, and carbon footprint—all while improving productivity and cost efficiency.

Microsoft Emissions Impact Dashboard

The ***Microsoft Emissions Impact Dashboard*** helps to quantify the impact of Microsoft Cloud services on your environmental footprint factoring in Microsoft's Scope 1, 2, and 3 emissions as well as the efficiency of your on-premises environments.

Microsoft Cloud for Sustainability

The ***Microsoft Cloud for Sustainability*** allows you to more easily and effectively record, report, and reduce your emissions on a path to net zero. It integrates previously disparate solutions into a new system of record that delivers all the data you need to manage your business today while you transform.

Whatever your sustainability goals, Microsoft can help you plan, implement, and attain measurable environmental and cost benefits.

Learn more about improving your sustainability with Microsoft:

Microsoft.com/Sustainability

Azure.Microsoft.com/Sustainability

Waste

Globally, Microsoft datacenters reuse 78 percent of our end-of-life assets and components; the remaining 22 percent of materials are recycled.

Additionally, Microsoft is conducting research and development to improve waste diversion by determining new recycling solutions for used air filters and fiber optic cables.

Community

Microsoft is building digital skills and connections in New Zealand.

Care in the computer: the evolution of Platforms for Good

Using the power of the Microsoft Cloud, innovative app developer Platforms for Good created a range of platforms that are helping thousands of New Zealanders find just the help they want, when, where, and how they want it, connecting caregivers and Kiwis in a nationwide digital community. And global expansion is already underway. In just six years, more than 14,000 workers have signed up on the platform, bringing a huge network of caregivers to the people of New Zealand.

The digital spark lighting the way to new opportunities for Māori and Pacific peoples

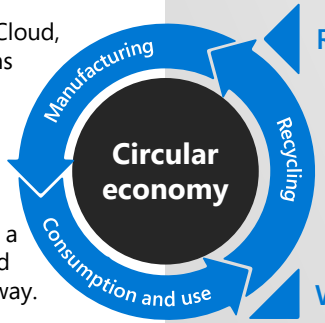
To address the lack of diversity in the IT workforce in New Zealand, specifically for the Maori People, Microsoft is partnering with TupuToa to equip Maori and Pacific peoples with confidence and digital skills in a post-COVID world. The initiative, HikoHiko Te Uira, provides digital training in cloud computing, data analytics, and Microsoft programs such as the Microsoft 365 suite.

Learn more

In 2020, Microsoft announced enhanced goals for **waste reduction, circular supply chains, and zero-waste certification.** We are working towards our goal of 90% **reuse of servers and components by 2025** through our **first-of-its-kind** Microsoft Circular Centers.

By 2030,

all Microsoft-owned datacenters will be zero-waste.



Microsoft is using **circular economy** principles in our datacenters by implementing reuse and comprehensive recycling programs.

Microsoft has committed to **protecting more land than we use for direct operations by:** **2025**

Microsoft is committed to **community investment**, **pollution remediation,** and **fair economic inclusion initiatives,** as well as **investment in clean energy, broadband access,** and **water replenishment initiatives.**