Microsoft

Microsoft datacenters in Wisconsin

Published December 2024. 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.

Datacenters provide the physical infrastructure for the technology we depend on at work and in our personal lives

A datacenter building houses thousands of computer servers and data storage devices connected to the internet



These buildings are similar in size and appearance to a distribution warehouse.



Microsoft aims to build datacenters that are best in class in performance, reliability, safety, aesthetics, and sustainability.



Compared to many other industrial facilities, datacenters do not create significant noise pollution or have a significant impact on traffic flow or congestion.



Microsoft operates more than 300 datacenters in over 34 countries.

Datacenters are part of everyday life

Whenever you open an app on your phone, join a virtual classroom or meeting, snap and save photos, or play a game with your friends online, you are using a datacenter.



Take a virtual tour of a datacenter

Microsoft datacenters create local operations and construction jobs

Datacenter planning is currently underway in Wisconsin.

As of July 2024, the project has an average of **1,100 construction workers** on site daily. The project is expected to bring an influx of 2,300 union construction jobs to the area by 2025.

We anticipate **2,000 jobs** for the completed phased datacenter development. We currently project approximately 500 full-time employees and contractors will be hired for the first datacenter by end of 2026. We expect that number will continue to grow as the other datacenters become operational.

Datacenter operations

• Campus management

Microsoft

- People management
- Learning and development
- IT operations
- Mechanical engineers
- Electrical engineers
- Security contractors
- Building maintenance
- Critical environments

Construction jobs

- Electricians
- Plumbers and pipefitters
- Carpenters
- Structural iron and steel workers
- Concrete workers
- Earth movers



Microsoft datacenters represent a capital-intensive investment and long-term commitment to the community. This investment grows the commercial property tax base, increasing revenue for municipal services that benefit local citizens.

Examples of country, provincial, and local taxes that support cities, municipal services, schools, and colleges include:



Property taxes

Collected annually once land is purchased.



From construction and operation expenses. Examples include VAT, GST, and sales tax.

Income taxes

From construction and operations workers.

Find Microsoft jobs in your community

Indirect taxes



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Microsoft is investing in Wisconsin local priorities

Microsoft community investments support community-identified priorities across **4 projects** in Wisconsin.

Investing in people of all ages through local skill-building programs

Microsoft TechSpark Success Sets a National Model

The success of Microsoft TechSpark in Wisconsin in addressing the digital divide and promoting inclusive economic growth catalyzed local societal change. This has resulted in a more engaged community, demonstrating the power of technology, knowledge, resources, and support in solving local challenges. TechSpark helped upskill individuals and address the shortage of talent in the state.

Learn more about Microsoft investments in Wisconsin





Partnering with environmental sustainability programs for local impact

Restoring watershed corridors in southeastern Wisconsin

Root-Pike Watershed Initiative Network (WIN) and Microsoft joined forces to restore prairie and wetland habitats in Racine County: Cliffside Park along the shores of Lake Michigan and Lamparek Creek in Mount Pleasant, Wisconsin. In September 2023, the Root-Pike WIN team kicked off wetland restoration at Cliffside Park. The restoration approach recreated open-water refuge and enhanced native flora to encourage migratory bird stopovers, boost pollinator foraging, and reduce sheet runoff to the eroding Lake Michigan Bluffs.

Learn more about these watershed projects

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Microsoft global commitments

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CARBON

Microsoft pledged to become carbon negative by 2030 and to remove historical carbon since its 1975 founding by 2050.

Microsoft will reduce Scope 1 and 2 emissions to near zero through energy efficiency work and by reaching **100 percent renewable energy coverage by 2025**.

Microsoft has also committed by 2030 to:

- Be free of diesel.
- Match 100 percent of electricity consumption, 100 percent of the time, with zero-carbon energy purchases.
- Reduce our Scope 3 emissions by more than half.

WATER

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.



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

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

ECOSYSTEMS

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.

By 2030, Microsoft datacenters will be zero waste





Wisconsin Datacenter operations sustainability investments

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 datacenters located in Wisconsin we have included local sustainability investments and datapoints in support of meeting and exceeding our commitments around carbon, water, waste, and ecosystems.

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CARBON

We've committed to have **100%** renewable energy coverage globally by 2025.

In Wisconsin, our datacenters will be designed for our backup generators to be powered by a **renewable biofuel** that reduces net carbon emissions.

WATER

In Wisconsin, our datacenters will use zero water evaporated direct to chip cooling, and direct evaporative cooling.

Zero water evaporated direct to chip cooling uses a closed-loop system where water remains in the circuit to be reused over time for cooling.

Direct evaporative cooling (DEC) uses zero water when temperatures are below 29.4 degrees Celsius, reducing cooling water use to less than 5% percent of the year.

When quality of the available water is not adequate for use in cooling systems, water treatment is pursued in the same way municipal drinking water is treated to remove excessive hardness or to prevent harmful bacterial growth.

Water from our DEC cooling systems is discharged back to the local wastewater utility treatment plant, following local regulations.





It takes five to six years from when a datacenter is operational to generate reusable assets. Once servers are ready to be decommissioned in this region, Microsoft is planning to use the closest available Circular Center.

Globally, Microsoft reuses or recycles 90%+ of end-of-life assets.