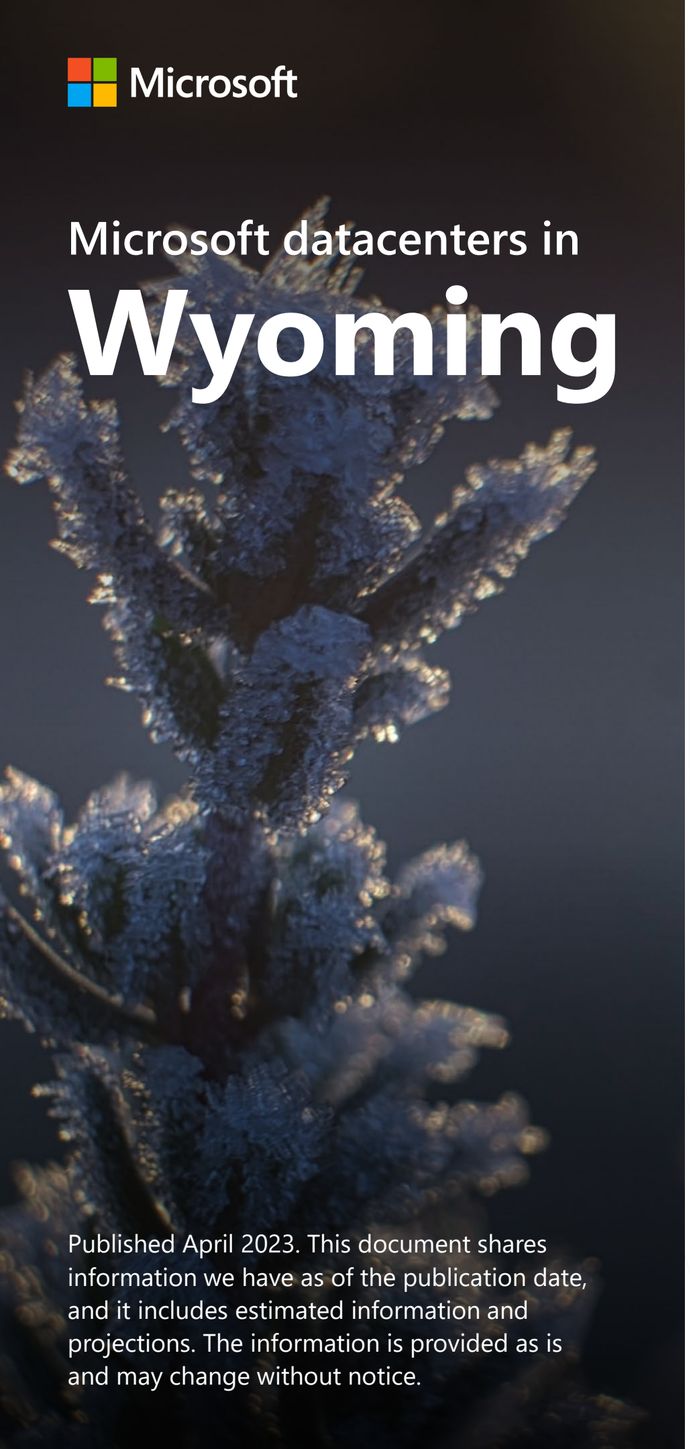
Microsoft

Microsoft datacenters in Wyoming



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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.

- Email
- Online shopping
- Mobile apps
- Online banking
- File storage
- Streaming videos

Take a virtual tour of a datacenter

Microsoft datacenters create local operations and construction jobs

Microsoft datacenters in Wyoming currently employ **91 people.**

We estimate it will take approximately **4.4 million work hours**, more than **700 jobs** during peak construction, to complete construction of the new datacenters.

By the end of 2026, we project **350 full-time employees and contractors** will work across all operational facilities.

Datacenter operations

- Campus management
- 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

Find Microsoft jobs in your community >

Taxes from Microsoft datacenter operations represent important revenue for national, regional, and local governments

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

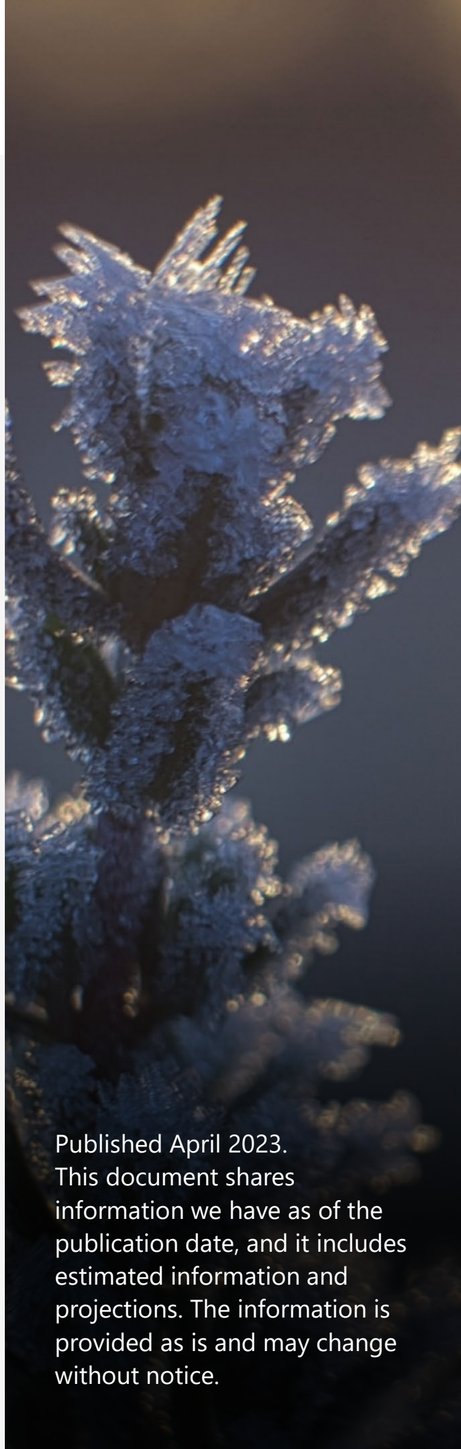
Collected annually once land is purchased.

Indirect taxes

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

Income taxes

From construction and operations workers.



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Microsoft has invested in Wyoming local priorities since 2018

Microsoft community investments support community-identified priorities across **28 partners** in greater Cheyenne, Wyoming.

Empowering staff and clients with high-speed internet at a Cheyenne homeless shelter

In 2018, the Microsoft Community Broadband team worked with Laramie County shelter COMEA and wireless consultant HarborTech Mobility to plan and implement a robust, modern, and managed wireless network for the shelter.

Learn about Community Broadband at COMEA >

Protecting Cheyenne's Crow Creek from pollution and debris

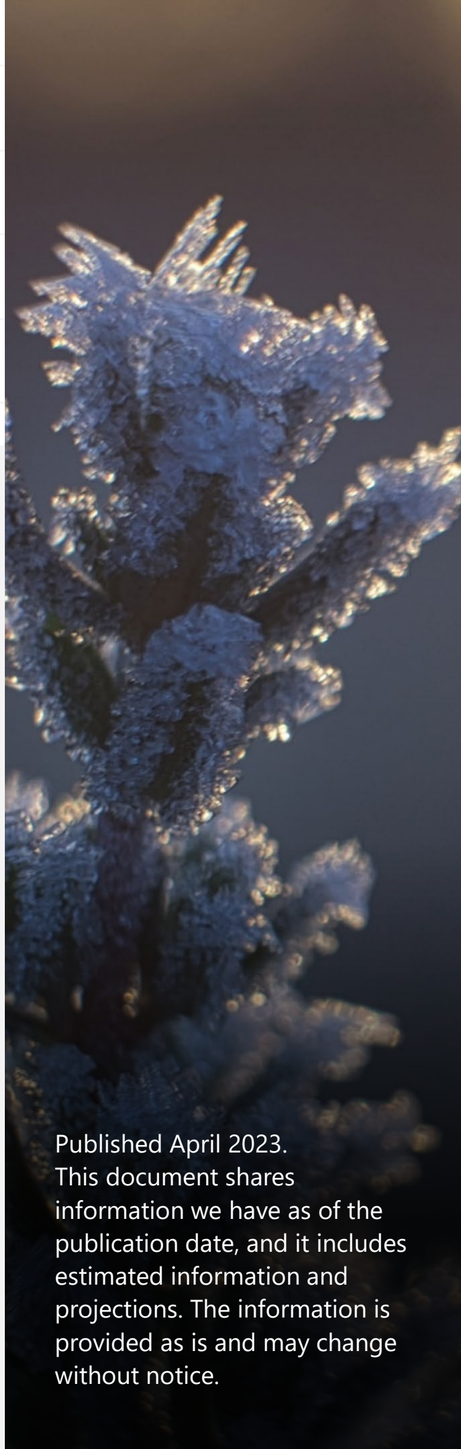
Microsoft collaborated with Rotary Club and Frog Creek Partners, a gBETA graduate start-up, to provide funding for **63 gutter bins** to be installed throughout Cheyenne. This stormwater filtration system is designed to capture and prevent 12,000 pounds of sediment and trash from entering Crow Creek and the local watershed.

Learn about storm filtration for Crow Creek >

Building a local high-tech workforce with Laramie County Community College

Microsoft partnered with LCCC to provide students with real-world experience applicable to datacenter employment. The **LCCC Datacenter Academy program** features hands-on learning within a simulated datacenter environment and offers financial support for students.

Watch the video about LCCC's Datacenter Academy >



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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. We have also committed to **reduce water waste by 95 percent in our datacenter operations by 2024**.

WASTE

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-a-kind Microsoft Circular Centers.

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

By 2030, Microsoft datacenters will be zero waste

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.

Wyoming

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

CARBON

1.125

Power usage effectiveness (PUE)

January 2022 – December 2022
Design PUE 1.12

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

Agreements for renewable energy were made with Longroad Energy and AES.

In Cheyenne, we are transitioning from petroleum-based diesel to power our backup generators to a **renewable biofuel blend that reduces net carbon emissions**.

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

Learn about PUE

WATER

0.23 $\frac{L}{kWh}$

Water usage effectiveness (WUE)

January 2022 – December 2022

Microsoft will use **direct evaporative cooling with outdoor air** for cooling at our Wyoming datacenter.

By using **outside air and zero water** when temperatures are below 29.4 degrees Celsius, **these datacenter facilities reduce cooling water use to less than 5 percent of the year**.

Learn about WUE

WASTE

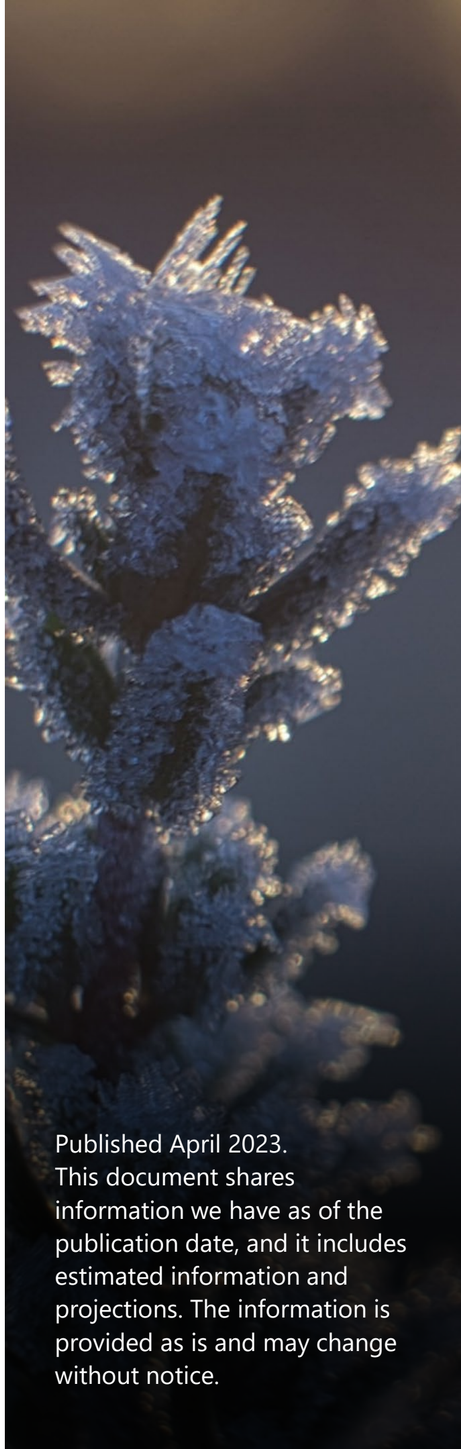
Microsoft Circular Centers can process up to

12,000

servers per month for reuse.

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



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