

# SWEDEN

## Microsoft commitments

### CARBON

**Microsoft pledged to become carbon negative by 2030 and 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.

# Sweden

As more people and businesses rely upon technology to stay connected, informed, and productive, digital needs in Sweden 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 datacenters located in Sweden in the Sweden Central region, 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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## Local sustainability investments

### CARBON

1.172

Power usage effectiveness (PUE)

January 2022–December 2022  
With increase of IT output, design PUE: 1.16



Microsoft has power purchase agreements with bp, Enlight Renewable Energy, European Energy, NTR, Prime Capital, and wpd.

In partnership with Vattenfall, **renewable energy consumption will be matched hourly, all day every day.**

Sweden is Microsoft's first region with backup generators that run on Preem Evolution Diesel Plus, which **contains at least 50 percent renewable raw material** and a nearly equivalent reduction in net carbon dioxide emissions compared to standard fossil diesel blends.

### WATER

0.16  $\frac{\text{L}}{\text{kWh}}$

Water usage effectiveness (WUE)

January 2022–December 2022

Microsoft uses **outdoor air and zero water** for cooling through the year.

The new Sweden datacenter facility **captures rainwater to help offset winter humidification water.**

[Learn about PUE and WUE](#)

### WASTE

Microsoft Circular Centers can process up to

12,000

servers per month for reuse.

Microsoft is **pursuing zero waste certification** (minimum of 90 percent diversion from landfill or incineration) for datacenters in Sweden by 2025.

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 open a **Sweden Circular Center**.

### COMMUNITY

Microsoft has invested over **\$1.25M**

to date in a range of community projects, including grants and donated hardware, in the cities of Gävle, Sandviken, and Staffanstorps. Microsoft is also advancing its work with the #SkillUpSweden initiative, announcing a new collaboration with Sigma Young Talent to **support young professionals in AI and cybersecurity skills.**

#SkillUpSweden aims to provide digital skilling opportunities for up to 150,000 Swedes to strengthen their technical competence. It builds on Microsoft's goal announcement this year to help 25 million people globally acquire new digital skills.

[Learn more](#)



# 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.

[Learn more](#)

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**