



AWS is building a more sustainable business in Ohio, partnering with local communities, and investing in the region's future.

Our sustainability work includes enhancing energy efficiency, transitioning to carbon-free energy, reducing embodied carbon, using water responsibly, driving a circular economy, and enabling sustainability for customers.

At AWS, we focus on efficiency across all aspects of our infrastructure. We use industry-standard metrics to measure efficiency and seek the optimal balance of energy and water use.

For more information, visit the [AWS Cloud Sustainability webpage](#).

Efficiencies of Scale

Our scale allows us to achieve higher resource utilization and energy efficiency than the typical on-premises data center. A study released by Accenture and AWS estimates running optimized workloads on AWS’s infrastructure is up to **4.1 times more efficient than on-premises**.

For more information, visit the full report, “[How moving to the AWS cloud reduces carbon emissions](#).”

Key Sustainability Metrics

AWS US East (Ohio)	2022	2023	2024	2025
Average PUE	1.12	1.12	1.13	1.12
Average WUE (L/kWh)	---	---	0.10	0.06

Power Usage Effectiveness (PUE) and Water Usage Effectiveness (WUE) (in liters per kilowatt-hour) for data centers operated by AWS between January 1 and December 31 of each year.

Wetland restoration in the Ohio River Watershed

Collaborating to Restore Wetlands

Amazon is collaborating with The Nature Conservancy to restore 11 acres of wetlands that will help slow and naturally filter nutrient laden stormwater before it reaches Buckeye Lake. A recreational attraction, ecological resource, and economic driver within the Ohio River Watershed. The restored wetlands will enhance water quality, provide critical wildlife habitat, and support the long-term health of the lake ecosystem. This project is jointly funded through collaboration with other corporations.

96,100,000 liters expected annually

Replenishment expected annually from 2026.

Our Water Positive Commitment

In 2025, AWS withdrew 93,647,012 gallons (354,492,504 liters) of water in Ohio.

AWS is committed to being water positive by 2030, meaning we will return more water to communities than we use in our direct operations. As of the end of 2025, we are 75% of the way towards this goal globally. To learn more, see the [Amazon Water Stewardship webpage](#).

Carbon-Free Energy

Our Progress

In 2025, BloombergNEF again recognized Amazon as one of the world's leading corporate purchasers of carbon-free energy, in addition to building the largest carbon-free energy portfolio of any corporation globally.

We have invested in more than 712 projects in 30 countries, representing 42 GW of carbon-free energy capacity.



Local Highlights

- Amazon has invested in 24 wind and solar projects across Ohio, with a total capacity of 2.7 gigawatts (GW) of carbon-free energy. Once all are operational, the projects will generate the amount of energy needed to power the equivalent of more than 520,266 U.S. homes.
- Our investments in solar and wind projects alone have generated an estimated \$1.6 billion in local economic investment for Ohio.
- The Amazon Solar Farm Ohio–Yellowbud is a 274 MW solar farm about one hour south of Columbus, Ohio. This solar farm is managed by an Ohio-native, Allen Hill, who grew up in the area and pivoted to a career in solar energy at age 56.



Upskilling Local Talent

- **Data Center technician training** at Columbus State Community College, which includes a \$50,000 scholarship fund and paid internships for students.
- **Fusion splicing course (with Sumitomo Electric Lightwave):** hands-on fiber optic installation and repair training; and Information Infrastructure Pre-Apprenticeship (I2PA) — a 4-week cloud infrastructure skills program connecting participants to employers hiring in Ohio.
- **Grow Our Own Talent** upskills internal employees for data center careers; work-based learning initiatives create pathways for external candidates.
- **K-12 STEAM:** "We Build It Better" program in Columbus-area schools; AWS Girls' Tech Day reached 800+ girls from Central Ohio with workshops on AI, robotics, and augmented reality.
- **AWS Think Big Spaces** with 20 cloud computing spaces established in schools across Ohio, which include cloud computing labs teaching coding, cybersecurity, and future-ready skills



Amazon's Investments in Ohio

\$70+ billion invested in Ohio since 2010, including infrastructure and compensation to our employees. This includes our \$39.9 billion investment in data center infrastructure in Ohio since 2015.

\$55+ billion contributed to Ohio's economy through Amazon's investments since 2010, boosting GDP.

35,000+ full- and part-time employees across Amazon.

60,000+ indirect jobs supported locally. Of this, an estimated 9,500 full-time equivalent jobs* annually to support data center infrastructure in Ohio.

\$10.9 billion estimated gross domestic product (GDP) in Ohio as part of our data center investment.

*This study is conducted in part based on the IMPLAN methodology. Note the IMPLAN resource page that provides guidance on [interpreting direct, indirect, and induced effects](#).

Supporting Job Creation

By 2030, our planned investment toward data center expansion in Ohio is forecasted to surpass \$23 billion—one of the largest private investment commitments Ohio has ever received. The investment will create hundreds of new AWS jobs in technical roles like data center engineers, network specialists, engineering operations managers, security specialists, and many more. It will also help support thousands of jobs annually in the local economy, in sectors like telecommunications, facilities maintenance, and electricity generation within the AWS supply chain.

The cloud is powering innovation across all sectors of the modern economy. We are proud to expand our cornerstone investment beyond Central Ohio to help drive the next generation of cutting-edge technologies such as AI. We're grateful for the state and local leaders who have partnered with us, and we look forward to keeping Ohio at the leading edge of the digital age.