



## Sustainability Fact Sheet

# United Kingdom

**AWS's investment in the United Kingdom represents a transformative commitment that is delivering measurable economic growth, deep community engagement, and innovative sustainability initiatives.**

Our sustainability work includes enhancing energy efficiency, transitioning to carbon-free energy, reducing embodied carbon, driving water stewardship, supporting 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 utilisation and energy efficiency than the typical on-premises data centre. A study released by Accenture and AWS estimates running optimised 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 Europe (London)	2025
Average PUE	1.23
Average WUE (L/kWh)	0.14

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



## Scale of Carbon-Free Energy

In 2025, BloombergNEF recognised Amazon as the largest corporate purchaser of carbon-free energy in Europe and the UK, in addition to building the largest carbon-free energy portfolio of any corporation globally.

In the UK alone, Amazon is investing in more than 40 carbon-free energy projects, enough to power over 850,000 UK households.

# Water Stewardship

## Our Operations

In 2025, AWS operations in the UK withdrew approximately 303 million litres of water.

While our facilities do not draw water directly from the Thames, England's longest river offers a useful sense of scale. Based on its mean annual discharge, as reported by the UK's National River Flow Archive (NRFA), the Thames carries the equivalent of our entire year's usage past London in just 77 minutes — representing less than 0.015% of the river's total annual flow.

Put another way: if the Thames' entire annual flow were a standard 500ml bottle of water, our full year of data centre water withdrawal would be less than two drops.

## Water Positive

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 spotlight page](#).

As part of our ongoing water stewardship, Amazon collaborated with The Rivers Trust to construct two wetlands along the River Kennet, a tributary to the River Thames, to recharge approximately 600 million litres of groundwater per year and improve water quality.

# Community Impact



## STEM Education & Skills Development

- **AWS Skills to Jobs Tech Alliance:** Announced in April 2025, the Alliance will help 100,000 people gain AI skills by 2030.
- **Coding workshops:** Amazon provides free hands-on coding workshops to schools near to our Data Centre locations, with 6,000 local students benefitting in 2025.
- **Girls Tech Day:** In January 2025, Uxbridge College and West London Institute of Technology hosted the first ever Amazon Girls' Tech Day in the UK, with a second in February 2026 at Richmond upon Thames College with 120 girls from a local secondary school.
- **AWS Summit London:** Each year we host our flagship event at the ExCel, to bring together thousands of our customers and partners in the UK.
- **AWS re/Start:** first piloted in the UK in 2017, AWS re/Start is a workforce development training program that prepares individuals for careers in the cloud and connects them to potential employers.

## Powering Innovation

**Digital Skills:** AWS has partnered with the UK government to support its goal to train 10 million people in AI skills through programmes including AWS Educate and AWS Skill Builder.

**Diverse & Inclusive Workforce:** AWS programmes addressing the digital skills gap for governments, educational institutions, and nonprofits in the UK.

## Investing in the UK

- **£8 billion planned investment** over five years (2024-2028) building, operating, and maintaining data centres in the UK.
- Estimated to contribute **£14 billion to the UK's total Gross Domestic Product (GDP)** through to 2028.
- Supporting **14,000+ full-time equivalent (FTE) jobs** annually at local UK businesses.

