# Resources –

## Watt Time APIs – WattTime is a nonprofit that offers technology solutions that make it easy for anyone to achieve emissions reductions without compromising cost, comfort, and function.

* [Watttime – The Power to Choose Clean Energy](https://www.watttime.org/)
* [Introduction – API Reference (watttime.org)](https://www.watttime.org/api-documentation/#introduction)
* [WattTime (github.com)](https://github.com/WattTime/)
* [Developers – Watttime](https://www.watttime.org/developers/)

## Azure Green AI Carbon Intensity API

The Carbon API exists as a wrapper on top of the WattTime API. This API will take the different WattTime endpoints (Grid, Real-Time, Historical, Forecasted) for Carbon Intensity (CI) data and associate them to AZ regions. This includes developing a dashboard to map CI data for AZ regions and provide multiple visualizations of the CI data with respect to AZ regions.

* [Azure GreenAI Carbon-Intensity API Home (azure-uw-cli-2021.azurewebsites.net)](http://azure-uw-cli-2021.azurewebsites.net/home)

## Emissions Impact Dashboard (solution for external customers)

The Emissions Impact Dashboard provides transparency into greenhouse gas emissions associated with using Microsoft cloud services and enables a better understanding of the root causes of emissions changes. Organizations can measure the impact of Microsoft cloud usage on their carbon footprint, and they can drill down into emissions by month, service, and datacenter region.

* [Empowering cloud sustainability with the Microsoft Emissions Impact Dashboard | Azure Blog and Updates | Microsoft Azure](https://azure.microsoft.com/en-in/blog/empowering-cloud-sustainability-with-the-microsoft-emissions-impact-dashboard/)
* <https://www.microsoft.com/en-us/sustainability/emissions-impact-dashboard>

## Microsoft Cloud for Sustainability

Microsoft Cloud for Sustainability, our Software as a Service (SaaS) solution that’s now in preview, leverages the Sustainability Common Data Model (CDM). Rely on the CDM to centralize data to track your organization’s carbon footprint across the entire operation—including enterprise resource planning (ERP) data, plant data, IoT sensor data, telemetry at the edge—and improve visibility across your value chain, which can account for up to 90 percent of the average organization’s resource footprint.

* [Microsoft Cloud for Sustainability: Tackling net zero with data - Microsoft Industry Blogs](https://cloudblogs.microsoft.com/industry-blog/general/2021/11/03/microsoft-cloud-for-sustainability-tackling-net-zero-with-data/#:~:text=%20Microsoft%20Cloud%20for%20Sustainability%3A%20Tackling%20net%20zero,extensibility.%20Cloud%20for%20Sustainability%20is%20completely...%20More%20)

## Azure Spend and Cloud Fit

* <https://aka.ms/spenddata>