



Track emissions across varied workloads, down to the cloud service level  
IBM Cloud Carbon Calculator provides detailed carbon emissions data for workloads on IBM Cloud to track and manage emissions associated with individual cloud services. This feature helps you quickly identify which cloud service or services are driving most of the energy consumption and associated emissions. This data lets you take specific actions to mitigate those emissions.

Identify energy “hot-spots”—opportunities for reducing your carbon footprint  
When you can identify energy consumption and emissions by location, by cloud service and by organizational group over time, you can quickly spot patterns, anomalies and outliers in the data. This means you can quickly gain insights into how energy consumption and emissions are related to cloud services, locations and organization groups. This visibility in turn reveals potential hot spots that are driving the most significant emissions such as a particular service or a specific group. Having access to this data helps you accrue quick gains by tackling them to decrease emissions.

Track and contain carbon emissions within organizational limits  
Many organizations have emission targets for the year, including targets associated specifically with cloud usage. The IBM Cloud Carbon Calculator has features that help you visualize and track the energy consumption and emissions by month and by quarter against that target. Getting a regular view of movement towards targets helps you contain emissions by proactively intervening if energy consumption and emissions are trending higher than expected.

Access auditable raw data and integrate with IBM Envizi for seamless reporting  
Regulators may require organizations to share the raw data that informed calculations of Scope 3 Cloud emissions. Or in other cases, there may be an audit, either internal or external, that requires verification of the raw data related to emissions. In such cases, IBM Cloud Carbon Calculator provides the raw data that can be used to help you meet regulatory and audit requirements. In addition, the data can be integrated with IBM Envizi to further simplify the capture, consolidation, management, analysis and reporting of your ESG data. The raw emission data from IBM Cloud Carbon Calculator can also be downloaded and exported for additional analyses.

**Conclusion**

IBM Cloud Carbon Calculator helps you measure and track energy consumption and emissions associated with the use of IBM Cloud. It also helps identify potential “hot spots” and provides the data to report and build a strategy to help mitigate the emissions. Using a simple dashboard, you can access energy consumption and emissions data over time for multiple types of workloads by location and by cloud group to track Scope 3 emissions on IBM Cloud. For further analysis, this data can also be easily exported to other applications.

**Why IBM?**

IBM has a long history of leadership in helping clients protect the climate. We continue to conserve our own energy use to help us transition to using renewable electricity to reduce our greenhouse gas (GHG) emissions to continue our efforts toward attaining our net zero GHG emissions target by 2030. IBM hybrid cloud solutions create a full-lifecycle set of public cloud, private cloud and on-premises solutions that help us operationalize sustainability across the supply chain. Our integrated sustainability approach, supported by IBM Consulting™, empowers our clients to design, deploy and manage energy efficient infrastructures using our data centers, compute and storage platforms along with emissions observability and planning tools. With IBM, we can show you how to modernize your IT infrastructure to help achieve your sustainability goals.

**For more information**

To learn more about the IBM Cloud Carbon Calculator, contact your IBM representative or IBM Business Partner, or visit [ibm.com/cloud](https://ibm.com/cloud).

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