HPE Sustainability Insight Center

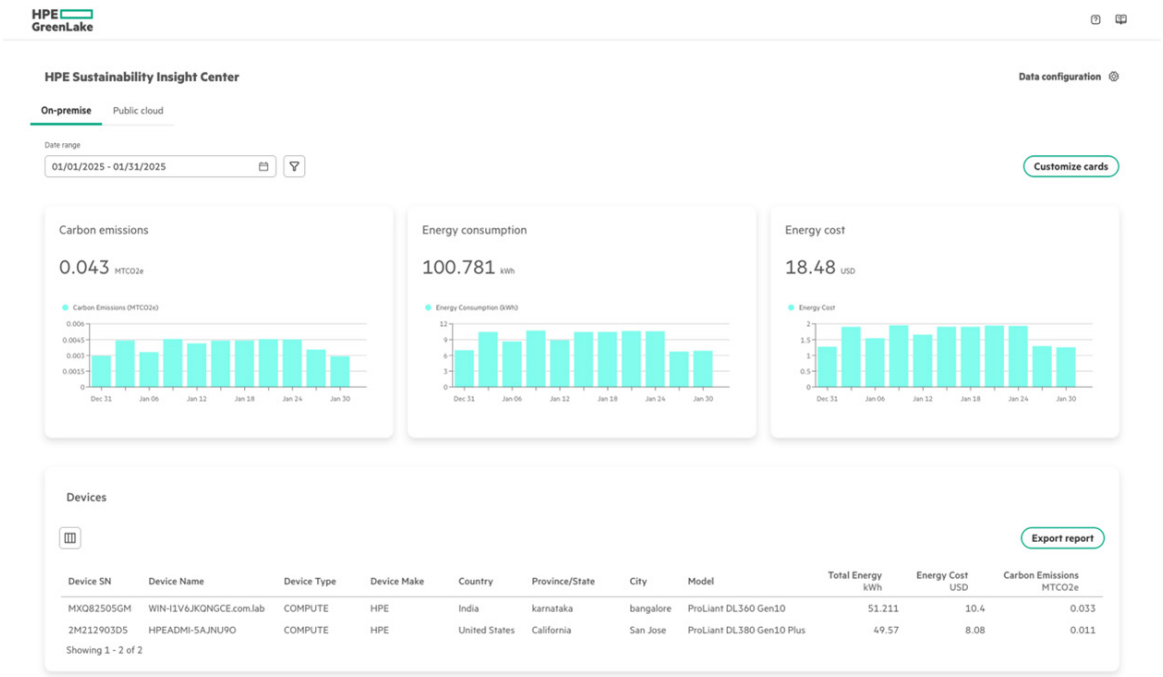

Figure 1. HPE Sustainability Insight Center screenshot

Key features

- Choose from global 30 currencies enhancing financial reporting flexibility
- Anomaly detection in energy consumption for HPE compute and HPE Alletra storage file and block devices, providing real-time insights into device energy usage
- MSP administrators can now enable the HPE Sustainability Insight Center service for provisioning in customer-owned tenant workspaces.
- Ability to incorporate power purchase agreements and negotiated power distribution unit (PDU) costs
- View and report AWS and Azure carbon emissions in a unified summary table
- HPE Sustainability Insight Center supports localization settings and language preferences to accommodate a diverse user base

Overview

HPE Sustainability Insight Center, accessible through the HPE GreenLake cloud, provides energy and carbon emissions reporting through a unified console to empower customers to make informed, impactful changes, lower costs, and achieve their IT sustainability goals.

The HPE Sustainability Insight Center provides a current view of the total energy consumption for IT devices that have data sources supplied by HPE Compute Ops Management and HPE Compute Ops Management—OneView Edition COM (COM-OVE) v8.4 COM and OM-OVE, HPE Aruba Networking, HPE Alletra Storage MP access through Data Services Cloud Console, and OpsRamp, a Hewlett Packard Enterprise company, and collects information regarding carbon emissions, and costs associated with your energy consumption. Key functionalities include:

- Measures the carbon footprint of multivendor assets based on actual energy usage
- Analyzes telemetry aggregated across sites and provides cumulative totals and averages
- Reports carbon footprint and energy costs across sites (per device and site location)
- Empowers customers to include their power purchase agreements and negotiated power distribution unit (PDU) costs to accurately reflect carbon accounting
- Reports energy consumption data from device

Benefits

HPE Sustainability Insight Center helps customers measure their power consumption and carbon footprint, providing them with the data to make informed and impactful decisions to reduce emissions and power usage and achieve IT sustainability goals. Additional benefits include:

- Offers heterogeneous IT visibility, enabling enhanced control and more effective management through a complete understanding of the IT environment.
- Enables customers to determine when, where, and how they can best operate their IT assets to meet sustainability goals.
- Enables customers to achieve regulatory and business requirements focused on IT sustainability.
- Collects actual power consumption data versus other tools that use only averages or estimates at a global scale.

Provides sustainability analytics for accountability

The HPE Sustainability Insight Center consolidates key carbon footprint, electricity consumption, and electricity cost data from across our customers' heterogeneous IT estates and provides a unified view and the ability to analyze and generate reports.

Customers can make data-driven decisions that will help them improve and work toward meeting their IT sustainability goals.

The HPE Sustainability Insight Center provides a current view of the total energy consumption, carbon emissions, and costs associated with your energy consumption for IT devices that have data sources provided by:

- HPE Compute Ops Management (COM)
- HPE Compute Ops Management—OneView Edition COM (COM-OVE) v8.4 COM and OM-OVE
- HPE Aruba Networking access points
- HPE GreenLake for File Storage and HPE Alletra Storage MP B10000
- OpsRamp integration (Support for third-party devices through OpsRamp enterprise edition, can be purchased separately)

Customers can interact with the telemetry data through a variety of reporting filters, including time frame, subset, asset type, and location. To assist with reporting and analysis, the customer can export data as a .csv to do further analysis with their analytics tool.

Reporting of power use and location telemetry for IT resources and narrow scope by date range, device type, and so on. Filtering capabilities based on equipment type, location, and date range to perform what-if analysis.

Customers can incorporate power purchase agreements and negotiated power distribution unit (PDU) costs to accurately reflect carbon accounting within HPE Sustainability Insight Center.

MSP administrators can now enable the HPE Sustainability Insight Center service for provisioning in customer-owned tenant workspaces.

Customers have the capability to integrate power measurement data from custom-configured ITOM applications into the HPE Sustainability Insight Center for unified carbon accounting across both HPE and non-HPE assets.

Including AWS and Microsoft Azure, customers can view and report on public cloud carbon emissions in a unified device summary table, with additional providers to be added soon. This helps customers gain comprehensive insights into their cloud carbon footprint for smarter, more sustainable decisions. (Require OpsRamp license.)

Customers can now use custom tags and device grouping to create tailored filters, enhancing data management and analysis for a more personalized experience.

Customers get the flexibility to choose and visualize various predefined charts to compare carbon emissions, energy consumption, and energy cost metrics by device location or facility for selected devices.

The contextual help feature provides immediate, relevant assistance based on where users are in the application. This reduces the time to find answers and enhances the overall user experience by supporting quick problem-solving.

Further, customers have the ability to view data for dark and dim sites in a disconnected IT infrastructure by integrating with the HPE Complete Care Service—Energy and Emissions Reporting.

Provision for APIs to export reporting data to third-party tools (see HPE Sustainability Insight Center User Guide for specifics).

Cost savings for IT sustainability transformation

HPE Sustainability Insight Center helps organizations leverage the efficiencies and cost savings realized from IT sustainability as a springboard for business innovation and growth.

Organizations most likely have a backlog of transformative IT projects waiting for funding. HPE Sustainability Insight Center can help free up the IT budget to fund new projects.

Customers can now leverage anomaly detection for device energy consumption, unleashing real-time insights to optimize costs, improve efficiency, and advance sustainability goals. This feature, currently under Launch Darkly for storage and compute device types, will be selectively enabled for customers after collaboration with respective business units to ensure model accuracy.

HPE Sustainability Insight Center supports your organization's data residency requirements

The HPE Sustainability Insight Center offers multiregion support to address your data residency requirements. Region support includes— Frankfurt, Germany, Tokyo, Japan, and the United States, EU Central, AP Northeast, and US West.

Customers can now choose from 30 global currencies in the Sustainability Insight Center, enhancing financial reporting flexibility through GLP User Personalization.

Supported devices by HPE Sustainability Insight Center

The data collection from HPE Sustainability Insight Center is fully automated, customers don't have to wander around with a spreadsheet and do this manually which improves efficiency and saves time.

Support HPE Aruba Networking Central access points

Existing HPE Aruba Networking Central customers who have onboarded devices and added subscriptions can view their device data in HPE Sustainability Insight Center.

HPE Sustainability Insight Center automatically displays access point (AP) data for HPE Aruba Networking Central instances in the North American (NA), European (EU), and Asia Pacific and Japan (APJ) regions.

Only data from HPE Aruba Networking Central APs capable of reporting power is shown in HPE Sustainability Insight Center. The following table lists the supported APs.

AP-334	AP-514	AP-635
AP-335	AP-515	AP-584
AP-314	AP-504	AP-585
AP-315	AP-505	AP-587
AP-304	AP-505H	AP-585EX
AP-305	AP-574	AP-587EX
AP-303H	AP-575	AP-615
AP-344	AP-577	AP-515S
AP-345	AP-518	AP-505S
AP-374	AP-565	AP-605H
AP-375	AP-567	AP-674
AP-377	AP-575EX	AP-675
AP-318	AP-577EX	AP-677
AP-555	AP-565EX	AP-679
AP-534	AP-567EX	AP-675EX
AP-535	AP-375ATEX	AP-677EX
AP-387	AP-655	AP-679EX

Supported servers for direct management by HPE Compute Ops Management

HPE ProLiant Compute Gen12 servers

HPE ProLiant Compute DL320 Gen12 server	
HPE ProLiant Compute DL340 Gen12 server	
HPE ProLiant Compute DL380a Gen12 server	

HPE ProLiant Gen11 Servers

HPE ProLiant DL20 Gen11 Server	HPE ProLiant DL380a Gen11 Server
HPE ProLiant DL110 Gen11 Server	HPE ProLiant DL385 Gen11 Server
HPE ProLiant DL320 Gen11 Server	HPE ProLiant DL560 Gen11 Server
HPE ProLiant DL325 Gen11 Server	HPE ProLiant MicroServer Gen11
HPE ProLiant DL345 Gen11 Server	HPE ProLiant ML30 Gen11 Server
HPE ProLiant DL360 Gen11 Server	HPE ProLiant ML110 Gen11 Server
HPE ProLiant DL365 Gen11 Server	HPE ProLiant ML350 Gen11 Server
HPE ProLiant DL380 Gen11 Server	

HPE ProLiant Gen10 Plus Servers

HPE ProLiant DL20 Gen10 Plus Server	HPE ProLiant DL385 Gen10 Plus Server
HPE ProLiant DL110 Gen10 Plus Telco Server	HPE ProLiant DL385 Gen10 Plus v2 Server
HPE ProLiant DL325 Gen10 Plus Server	HPE ProLiant MicroServer Gen10 Plus
HPE ProLiant DL325 Gen10 Plus v2 Server	HPE ProLiant MicroServer Gen10 Plus v2
HPE ProLiant DL345 Gen10 Plus Server	HPE ProLiant ML30 Gen10 Plus Server
HPE ProLiant DL360 Gen10 Plus Server	
HPE ProLiant DL365 Gen10 Plus Server	
HPE ProLiant DL380 Gen10 Plus Server	

HPE ProLiant Gen10 Servers

HPE ProLiant DL20 Gen10 Server	HPE ProLiant MicroServer Gen10
HPE ProLiant DL120 Gen10 Server	HPE ProLiant ML30 Gen10 Server
HPE ProLiant DL160 Gen10 Server	HPE ProLiant ML110 Gen10 Server
HPE ProLiant DL360 Gen10 Server	HPE ProLiant ML350 Gen10 Server
HPE ProLiant DL380 Gen10 Server	
HPE ProLiant DL385 Gen10 Server	
HPE ProLiant DL560 Gen10 Server	
HPE ProLiant DL580 Gen10 Server	

HPE Alletra Storage servers

- HPE Alletra Storage Server 4110
- HPE Alletra Storage Server 4120
- HPE Alletra Storage Server 4140

HPE Edgeline server blades (Note: Firmware updates are not currently supported on HPE Edgeline e920, e920d, and e920t server blades. Monitoring and managing the EL8000 chassis is not supported.)

- HPE Edgeline e920, e920d, and e920t server blades connected to HPE Edgeline EL8000 Systems

HPE StoreEasy Storage

- HPE StoreEasy 1470 Storage
- HPE StoreEasy 1570 Storage
- HPE StoreEasy 1670 Storage
- HPE StoreEasy 1870 Storage

Supported devices for direct management by Data Services

- HPE Alletra Storage MP B10000
- HPE GreenLake for File Storage built on HPE Alletra Storage MP

Supported devices by OpsRamp

OpsRamp integration (Support for multivendor devices through OpsRamp enterprise edition, can be purchased separately)

HPE GreenLake

HPE GreenLake is the company's market-leading as-a-service offering that brings the cloud experience to apps and data everywhere—data centers, multiclouds, and edges—with one unified operating model, on-premises, fully managed in a pay per use* model

Learn more at

HPE GreenLake cloud

HPE Sustainability Insight Center User Guide

HPE GreenLake cloud Release Notes

* May be subject to minimums or reserve capacity may apply

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