Sustainability with HPE GreenLake for Networking

A benefit for your customers

HPE GreenLake

Re-using and recycling technology while optimizing network asset usage is good for the environment.

The challenge

Increases in governmental regulations, skyrocketing energy prices, and the impact of extreme environmental events are forcing organizations to evaluate their carbon footprint and to find ways to reduce their emissions. While some are further along than others, a recent Forrester survey found that 58% of Global Fortune 200 companies have named a sustainability lead, and 55% have established greenhouse gas emission targets.[1] According to the World Economic Forum, for the first time ever, CEOs place environmental sustainability in their top 10 business priorities. In fact, most of the CEOs agreed that increasing environmental, social, and governance efforts is attractive to investors. CEOs view sustainability as a competitive differentiator—in fact, sustainability efforts are on the same level as brand trust.[2]

To help organizations meet sustainability goals and get to net zero, we must extend our view beyond the emissions of our own operations to those created by network products and services used by customers. HPE Aruba Networking recognizes we have a shared responsibility with our partners, in addition to innovations in our product designs, to actively pursue additional ways of reducing emissions generated by network operations.

This brief provides details on how HPE GreenLake for Networking:

• Meets environmental, social, and governance (ESG) requirements and helps our partners help their customers meet sustainability goals

• Securely recycles equipment to meet strict governance guidelines

The commitment to the environment

Providing infrastructure as a service (aaS) has the potential to reduce IT's environmental impact by reducing the amount of network equipment needed and the resources required to operationally manage the equipment. Prior to offering an aaS portfolio, HPE joined the United Nations Global Compact (UNGC) when it was first developed in 2002. The highlights from HPE's participation with UNGC can be found in the Communication on Progress.

As a further commitment to the environment, HPE Aruba Networking solutions are delivered through the HPE GreenLake platform, giving our partners more flexibility and agility in how they procure and operate customers' networks. HPE GreenLake for Networking is a comprehensive network-as-a-service (NaaS) offering that simplifies the process of procuring and deploying network resources, accelerating time-to-value, and ensuring the network is ready to support ever-changing business objectives. HPE GreenLake for Networking uses an environmental strategy that guides business decisions to ensure our partners and customers maintain resilient operations while minimizing the impact on the planet.
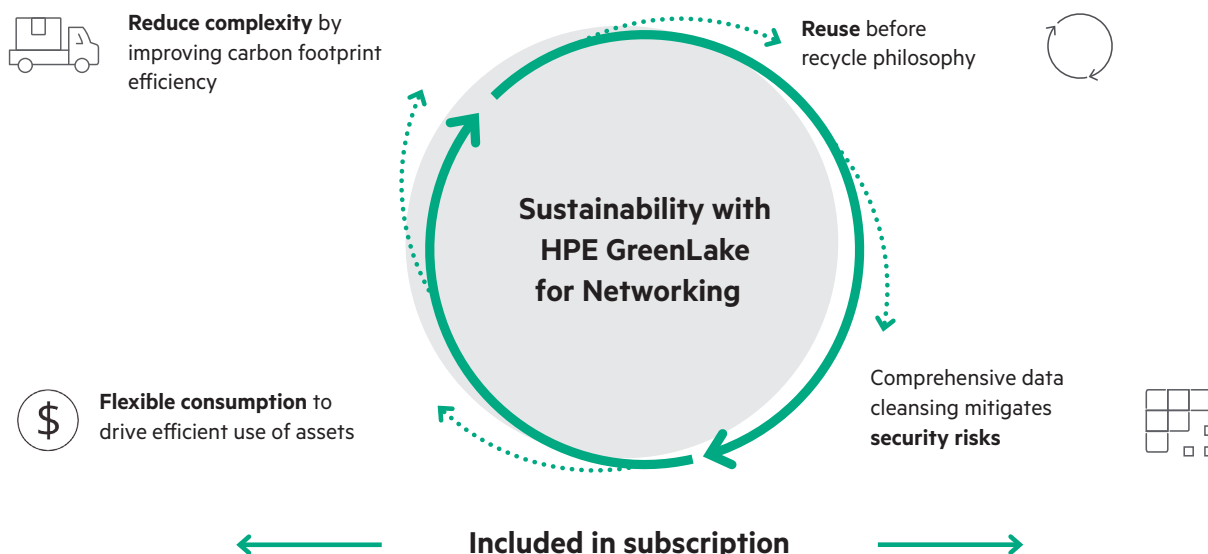
Reduce complexity by improving carbon footprint efficiency

Reuse before recycle philosophy

Sustainability with HPE GreenLake for Networking

Comprehensive data cleansing mitigates **security risks**

Flexible consumption to drive efficient use of assets

Included in subscription

Figure 1. HPE GreenLake for Networking contributes to sustainability

Energy efficiency and more

HPE GreenLake for Networking takes on the burden and complexity of legacy IT and allows our partners to transition their customer's network environment with efficiency and speed to deliver efficient IT. HPE GreenLake for HPE Aruba Networking includes products designed to work more sustainably including:

• Patented intelligent power management features in HPE Aruba Networking access points minimize power consumption by consuming an average of only 50% of the total power capacity in real world deployments.

• Energy efficient Ethernet and the use of 80+ certified power supplies on HPE Aruba Networking switches reduce power consumption by 50% and up to 80% or more during periods of low data activity.

• Cloud-based network management hosted in energy-efficient data centers is reported to be 3.6 times more efficient than traditional enterprise data center operations.[2]

AI and automation in the HPE Aruba Networking Edge Service Platform (ESP), diagnoses network issues in real time, accelerating IT response, lowering help desk tickets, and enabling efficient power usage. Edge Service Platform (ESP) can help meet sustainability goals by leveraging data and turning it into insights on which IT can take actions to reduce downtime and proactively maintain the network. Supply chain management, through as-a-service consumption models, minimizes on-site support, resulting in reduced carbon emissions. This was highlighted at the 2023 World Economic Forum event in Davos.

Overall, we approach efficient IT using the following framework:

• **Energy efficiency**—delivering an optimum level of power, storage, and connectivity with the lowest input of energy possible, spearheaded by our Design for the Environment (DfE) program

• **Equipment efficiency**—maximizing IT processing power and network capabilities with fewer IT assets

• **Resource efficiency**—engineering products to work efficiently within data centers and at the edge, while requiring the least amount of support equipment and staff for power conversion, cooling, and resiliency.

Reuse and recycle

HPE GreenLake for Networking repurposes equipment and allows for proper disposal, which is important and can be costly. Sustainable reuse and retirement are key attributes of a NaaS offering and allow partners to help their customers meet sustainability goals more easily. At the end of the HPE GreenLake for Networking term, we aim to reuse and recycle the network equipment, increasing sustainability for the environment and helping customers reach their sustainability goals.

Our experts help manage the complex process of recycling your customer's technology. Our goal is to minimize the effort required for partners to refresh their customer's network and allow you to focus on what matters—innovation and driving the business forward. As more and more organizations define an ESG framework that drives business decisions, they can look to HPE Aruba Networking and trust that their IT equipment will be efficiently recycled, repurposed, or refurbished.

Minimizing security risk

Managing end-of-use equipment is a key factor with HPE GreenLake for Networking. An organization could be left vulnerable to a wide array of security issues, unrecovered investment dollars, and diminished brand value if the equipment is not properly managed for recycling, repurposing, or refurbishing. HPE GreenLake for Networking helps partners to reassure customers that the assets are handled in a secure and environmentally friendly manner.

The HPE Aruba Networking Upcycling Service (AUS) includes:

- Product pack and ship services from customer's site to an HPE Aruba Networking processing center
- Asset receipt, audit, and registration
- Physical and mechanical product inspections
- Data removal at the processing center (where applicable)
- Identifying marks and labels removed
- Product cleaning and remarketing prep
- Recycling service for non-re-marketable product
- Detailed reports (receipt, inventory, settlement)
- Certification (drive wipe, recycling)

HPE offers a Circular Economy Report available to its AUS customers, tracking their contributions and progress towards their sustainability goals and providing a summary of items upcycled and the impact and savings achieved. This enables IT departments to better align their technologies with their business' circular economy and sustainability strategies and goals.

Flexible consumption

Organizations have traditionally consumed enterprise network infrastructure via a one-time capital expenditure of hardware, software, licenses, and services that may or may not be packaged together. HPE GreenLake for Networking allows partners to offer their customers the choice to consume or outsource the full lifecycle of their enterprise network deployment. This includes all hardware, software, licenses, and services delivered in a flexible consumption or subscription-based offering, leveraging efficient use of IT assets.

Our network management console consolidates multiple functions on a single cloud platform, simplifying IT workflows and reducing the number of point solutions. Customers can avoid purchasing additional hardware, power, and HVAC resources.

HPE Aruba Networking Central enables Zero Touch Provisioning of equipment, which allows devices to be centrally configured, shipped to remote locations, and easily installed, eliminating the need to send skilled technicians. Not only is this process more efficient, but it also lowers greenhouse gas emissions by 650g CO_2 for every kilometer not driven.[3] The ability to pay as you grow is one of the key advantages of HPE GreenLake for Networking. The financing flexibility enables organizations to address today's dynamic business environment while meeting their sustainability goals through efficient use of assets and freeing up funds for additional innovations.

Finally, HPE GreenLake for Networking allows partners to phase out idle equipment with efficiency and speed. Idle equipment, whether it is outdated or no longer needed, reduces return on investment.

Conclusion

HPE GreenLake for Networking enables partners to help customers achieve their sustainability goals. Partners can reduce the complexity of procuring and operating efficient networks, leverage equipment recycle and reuse while minimizing security risk, and provide a flexible consumption model for their customers.

IT sustainability programs are expanding, and HPE is leading the way as it aligns with the circular economy. By enabling end-of-use management, eliminating overprovisioning, and optimizing IT for energy efficiency and waste reduction, we continue to support our partners and their customer's sustainability goals through HPE GreenLake for Networking.

Our objective is to make it easier for our partners to help customers focus on what matters—innovation and pushing the business forward. As more and more organizations define an environmental, social, and governance framework that drives business decisions, they can look to HPE GreenLake for Networking to support their sustainability goals.

Learn more about what HPE GreenLake for Networking has to offer HPE Aruba Networking partners.

arubanetworks.com/solutions/naas-for-partners/

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