Akamai

REPORT

2024 Sustainability Report

Contents

Our Year and Looking Ahead **3**
Net-Zero Emissions **5**
Program Approach 5
Affirmation of Our 2030 Goals 6
Our Philosophy on 1.5°C 7
Akamai Cloud Computing 8
Real-Time Emissions Accounting 9
Operating in Colocation Spaces 10
Biodiversity and Emissions Impact 13
Embodied Emissions Program 15
100% Renewable Energy **17**
Program Approach 17
Akamai Electricity Portfolio by Metro 18
Akamai Renewable Energy Mix 20
Akamai's Clean Energy Impact 21
Decarbonization Partnerships 22
Build Efficiency **25**
Program Approach 25
Developing Software Efficiencies 27
Developing Hardware Efficiencies 28
Sustainability-Focused Research and Design 29
The Future for Efficiency 30
Supplier Engagement **30**
Program Approach 30
Supplier Assessment Program 31
Industry Engagement 31
Circularity **32**
Program Approach 32
E-Waste 33
Water 35
Plastics 36
Customer Engagement 37
Community Engagement 40
Event Highlights 41
Sustainability Advocacy 42
Advancing Our Sustainability Priorities **46**
Our Environmental Management System 46
Sustainability Training 48
Climate Governance 48
Forging a Path Toward a Sustainable Future **51**
Industry Recognition and Disclosure **52**
Partnership **53**
Disclaimer **54**
Key Metrics Addendum **55**

Our Year and Looking Ahead

Dear Valued Akamai Stakeholders,

The United Nations Environment Programme (UNEP)'s Emissions Gap Report for 2024 delivers a stark yet motivating message: While we've made notable progress in renewable energy deployment, the global dependence on fossil fuels continues to pose challenges to meeting the Paris Agreement's 1.5°C temperature goal. Simultaneously, the escalating frequency and severity of climate-related disasters have exposed vulnerabilities in energy systems that were not designed for the realities of a rapidly changing climate. This year, 2024, has underscored this urgency, with record-breaking temperatures, extreme weather events, and their profound socioeconomic impacts reinforcing the need for deep, rapid, and sustained reductions in global greenhouse gas emissions.

In the face of these challenges, 2024 has also been a year of transformation. A shift is gaining momentum: Companies, governments, and communities are increasingly moving beyond short-term fixes toward more holistic and impactful decarbonization strategies. Within corporate climate action, the discourse around energy attribute certificates (EACs) has evolved significantly. The growing emphasis on impact-driven renewable energy procurement has highlighted the importance of aligning energy purchases with real-world emissions reductions, creating a pathway for meaningful contributions to decarbonizing the global energy grid.

At Akamai, 2024 has been a year of action and progress. As a leader in cloud computing, cybersecurity, and content delivery, we have embraced our responsibility to be a driving force in the energy transition. Our global platform, a foundational part of the modern internet, is also a cornerstone of our sustainability strategy. Our work this year has reinforced our priority in aligning our growth with ambitious climate goals.

Here's a snapshot of our 2024 progress:

- **Net-Zero Emissions:** We continue to remain on track to achieve net-zero emissions by 2030 despite increases in our overall emissions output. In 2024, we implemented innovative emissions reduction strategies across our global operations, leveraging new partnerships and approaches to accelerate progress.
- **Build Efficiency:** We've optimized our data center infrastructure with cutting-edge hardware and software efficiencies, achieving 1.34% reduction in energy intensity across our network while increasing our capacity 25% year over year.
- **100% Renewable Energy:** This year, we expanded our renewable energy portfolio with impactful progress across North America, EMEA, and APAC, including a new project in the EU. These efforts have moved us closer to achieving 100% renewable energy by 2030 while driving real emissions reductions through the Emissions First approach.

- **Supplier Engagement:** We partnered with key suppliers to implement measurable sustainability goals, resulting in a collective 42% reduction in supply chain emissions this year alone.
- **Circularity:** Our circularity initiatives reached new heights in 2024, with 100% of our retired IT equipment being repurposed or recycled responsibly through e-Stewards–certified programs.

Looking ahead, 2025 is not just another year — it's an opportunity to amplify our impact. We are doubling down on integrating sustainability into every facet of our operations, and inspiring our partners and peers to do the same. Collaboration remains at the heart of this journey. Whether through advancing renewable energy in underserved regions, innovating in carbon removal technologies, or supporting our customers' sustainability goals, Akamai is in pursuit of building a resilient, socially responsible, and sustainable future.

The progress we've achieved in 2024 is not the end of our journey but a powerful reminder of what's possible when purpose meets action. Together, we can redefine what's achievable for our industry, our planet, and future generations.

Sincerely,

Mike Mattera
Director of Corporate Sustainability and ESG Officer

Net-Zero Emissions

Program Approach

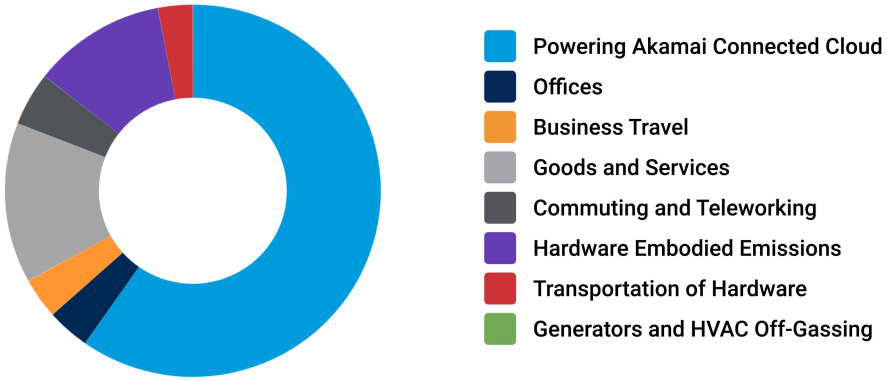
Scope 2 Emissions	Scope 3 Platform Emissions	Avoided Emissions from Renewables	Platform Power Growth	MT CO_2e Per Gbps Capacity
121,001 MT CO_2e	66,300 MT CO_2e	168,124 MT CO_2e	5%	0.11

Taking measured, impactful action on climate change is not only a global imperative but also a business-critical priority for driving sustainable growth and resilience. To fulfill this ambition, we have crafted our net-zero targets and strategy in alignment with ambitious climate pathways, such as the IPCC's Representative Concentration Pathway (RCP) 1.9, which charts the course for limiting global warming to 1.5°C.

As a global leader in distributed computing, Akamai provides critical services in cloud computing, security, and content delivery, across large-scale networks consisting of servers, switches, routers, and other network devices. To ensure we accurately track our emissions impact, we are continuing to use the current World Resources Institute (WRI) Greenhouse Gas (GHG) Protocol, the most widely recognized global standard for comprehensive and consistent emissions measurement and management.

Our sustainability program is built on best-in-class climate and greenhouse gas emissions data, driving informed and effective decisions on emissions reductions, renewable energy procurement, carbon offsets, stakeholder engagement, and other strategic initiatives — all of which reflect our dedication to accountability, community, and trust.

Proportion of Akamai's GHG Emissions (2024)



Affirmation of Our 2030 Goals

In 2024, we made significant progress to scale our cloud computing business and provide new services and points of presence for our customers. As we forecasted, this build out increased our overall electricity consumption and emissions output. Despite this growth, we remain on track and dedicated to achieve net-zero emissions across our global data center and office footprint by 2030.

As sustainability is a multifaceted issue, we recognize various paths to achieving our objectives. As a founding member of the Emissions First Partnership, our goal is to accelerate grid decarbonization and maximize emissions reduction impacts while ensuring grid stability. We recognize that our journey to net-zero will not always be linear.

As we scale our business, we remain aware of the environmental cost that comes with growth. We are more emissions-focused than ever and strive to provide stakeholders with a clear view of our impact and progress. This includes prioritizing emissionality[1], system-level engagement, and staying on course with our purpose-built strategy that emphasizes long-term, measurable progress, rather than relying on annual offsets, which may only reflect short-term adjustments without authentic emissions reduction. From the inception of the Akamai corporate sustainability program in 2009, we have remained aligned in pursuing our objectives with integrity and tenacity, and we will continue to do so as we move forward.

During 2024, we continued to invest in purchaser-caused[2] renewable energy projects in emissions-intense markets that help strengthen our renewable energy portfolio, contribute to our net-zero goal, drive positive impacts in surrounding communities and ecosystems, and directly support our growth in energy consumption. Recognizing the scale at which we operate and the need for system-wide efforts, we also leveraged our global positioning to engage in public policy advocacy efforts and collaborate within industry groups.

---

[1] Emissionality, a term coined by WattTime, is the strategy of identifying the best locations for new renewable energy and choosing projects that maximize beneficial climate impact as measured by their avoided emissions.
[2] Purchaser-cased refers to the concept where a company's purchase of renewable energy directly contributes to the creation of new renewable energy projects and the associated energy attribute certificates (EACs)

We are constantly seeking new opportunities to meet the evolving needs of our global platform both presently and in the future. Through 2025, we plan to make further strides toward our objectives by procuring additional renewable energy from responsible sources globally, investing in projects that create and deliver new renewable energy, and implementing credible measures to mitigate and remove carbon emissions across our global platform.

Our Philosophy on 1.5˚C

In 2024, Akamai deepened our focus on sustainability by aligning our cloud computing services, security, and delivery operations with our climate scenarios across key metros globally, in conjunction with our broader 2030 corporate sustainability goals. Building upon our 2023 advancements, we further integrated our Infrastructure as a Service (IaaS) — our cloud computing business — into our sustainability framework, underscoring our pathway to achieving a 1.5°C future.

Akamai's Emissions First approach serves as the foundation of our approach of addressing climate impact and building a resilient business model. We are prioritizing direct, measurable emissions reductions across our global operations and infrastructure, and it reflects our dedication to sustainability that scales with Akamai's growth. Our pathway toward achieving net-zero by 2030 incorporates a series of adaptation and resilience measures tailored to meet the unique challenges of our expansive network.

Our revised pathway approach leverages insights from the IPCC's Representative Concentration Pathways (RCPs), with a strategic emphasis on RCP 1.9 and 2.6, which are essential to limit global warming to 1.5°C. Akamai's roadmap incorporates robust adaptation strategies across our global footprint, particularly in climate-vulnerable regions where data center resilience, energy efficiency, and renewable energy integration are imperative.

In response to evolving standards and the unique complexities of aligning our decentralized global network with the Science Based Targets initiative (SBTi), Akamai has decided not to pursue SBTi target setting. We believe that our approach to transparent, robust annual reporting through CDP disclosures provides a comprehensive view of our emissions reduction progress and target achievements. By leveraging these disclosures, along with our adherence to strategy and governance principles such as those found in our Task Force on Climate-related Financial Disclosures (TCFD) and in the future with our International Financial Reporting Standards (IFRS) S1 and S2 disclosure, we are building a foundation that will keep stakeholders well-informed about our ongoing sustainability performance and adaptation to emerging standards.

Additionally, our support of The Climate Pledge reinforces our dedication to achieving net-zero emissions and supporting the goals of the UN Race to Zero. We view this strategic alignment as a powerful framework that complements our existing reporting, allowing us to continue building a resilient, forward-looking sustainability program without relying solely on the SBTi. Through this

approach, Akamai remains steadfast in our pursuit of impactful emissions reductions that are both measurable and aligned with global climate goals.

Akamai's climate resilience strategy is integral to our broader pathway toward a 1.5°C-aligned future. As our organization continues to expand, we remain focused on embedding sustainability across the company, ensuring that our operations not only progress toward net-zero goals but also build the resilience necessary to thrive in a carbon-constrained world. This holistic approach underscores Akamai's role as an industry leader in sustainability, setting a course that aligns with the latest climate science and international standards.

Akamai Cloud Computing

Akamai cloud computing is a cloud-based IaaS platform and a broad set of distributed cloud and edge computing services to help businesses build, deploy, and manage applications and workloads on the world's most distributed network. It offers various services, including computing, storage, and networking, that enable enterprises to scale their operations and infrastructure as needed. Our platform is designed for high-performance computing, with low latency and high-speed connectivity to the internet, with sustainability in mind.

By leveraging Akamai's cloud, businesses can reduce their carbon footprint by minimizing the need for on-premises IT infrastructure and reducing energy consumption by serving content closer to the end users, therefore reducing the network infrastructure and power required. We are dedicated to sustainability and reducing our carbon footprint by utilizing renewable energy sources like wind and solar. By leveraging the power of Akamai cloud computing, businesses can enhance their operational efficiency, reduce costs, and play an active role in global sustainability efforts with an emissions-first approach.

Reduced Energy Consumption	Lower Emissions	Improved Resource Efficiency	Increased Reliability	Sustainable Performance
Our global platform is distributed and closer to the end user, reducing the distance data needs to travel, making it more energy efficient.	Reduced energy needed to power our global platform lowers overall emissions output compared to a more traditional cloud.	Our global platform helps make workloads more resource efficient by enabling processing and utilization closer to the source or end user.	Our global platform improves reliability and resilience, reducing the risk of downtime that could cause negative environmental impact.	Our global platform improves operational efficiency and will enhance the sustainability of our products and services.

As we anticipate continued growth for our global platform in the coming years, we are taking a comprehensive approach to evaluating and addressing any potential environmental impact and power consumption concerns. With Akamai cloud computing fully integrated into our sustainability goals, we have established strategies with an emissions-first approach as well as incorporated our cloud computing business into our IPCC RCP revised pathway approach that aligns with our alignment to corporate sustainability while supporting the growth of this emerging business segment.

As we continue to expand the Akamai cloud computing platform, we are concurrently maintaining our classic cloud sites while we merge the two platforms. To ensure that we keep an accurate record of our

emissions impact for what remains of our classic cloud sites, we will continue to report the emissions impact separately for the foreseeable future.

Real-Time Emissions Accounting

Real-Time Network Power Consumption

Akamai's widely distributed footprint brings complexities that can make tracking energy consumption difficult due to sometimes-limited data provided by our data center partners. To tackle this challenge, we have developed a database infrastructure that connects with Akamai's proprietary data collection system, which collects five-minute-interval server power draw statistics from Akamai-engineered servers and network hardware.

This data is captured and measured against the theoretical maximum power values as tested in Akamai's hardware labs under various conditions, to ensure we accurately account for our energy consumption and emissions impact across our global deployments. We use interval-level data to ensure that electricity consumption is fully and accurately captured within the defined reporting period, reflecting our true operational energy use.

Akamai's power collection process enhances power monitoring, ensures precise data collection, and strengthens our ability to identify and implement efficiency improvements across our global network footprint.

Utilizing Real-Time Emissions Data

In tandem with our power collection, Akamai has integrated real-time emissions data from WattTime and REsurety to enhance the accuracy of our emissions measurement and drive forward efficiency and sustainability initiatives. By leveraging these data sources, Akamai can monitor and manage the carbon emissions associated with our global operations more effectively.

- **WattTime Integration:** WattTime provides real-time marginal emissions data, enabling Akamai to assess the environmental impact of our energy consumption across various locations and times. This information allows Akamai to optimize our operations by scheduling energy-intensive tasks during periods when cleaner energy sources are predominant, thereby reducing overall carbon emissions.

- **REsurety Collaboration:** Through REsurety's Locational Marginal Emissions (LME) data, Akamai gains detailed insights into the carbon intensity of electricity at specific grid locations. This granular information empowers Akamai to make strategic, data-driven decisions on energy procurement and consumption, optimizing operations to align with our sustainability goals and reduce carbon impact.

Strategic Implementation

- **Operational Optimization:** By accessing real-time emissions data, Akamai can get a more detailed understanding of our operational impact, focused on the specific time and location where renewable energy is more widely available.
- **Informed Decision-Making:** The detailed emissions insights from WattTime and REsurety empower Akamai to make strategic choices in energy procurement, focusing on sources that offer the lowest carbon footprint and have the highest impact of carbon abatement.
- **Enhanced Reporting:** Incorporating precise emissions data into our reporting mechanisms allows Akamai to transparently communicate our environmental impact and progress toward sustainability targets to stakeholders.

By integrating real-time emissions data from WattTime and REsurety, Akamai is showcasing our approach to environmental stewardship, harnessing advanced analytics to achieve impactful emissions reductions across our global operations.

Operating in Colocation Spaces

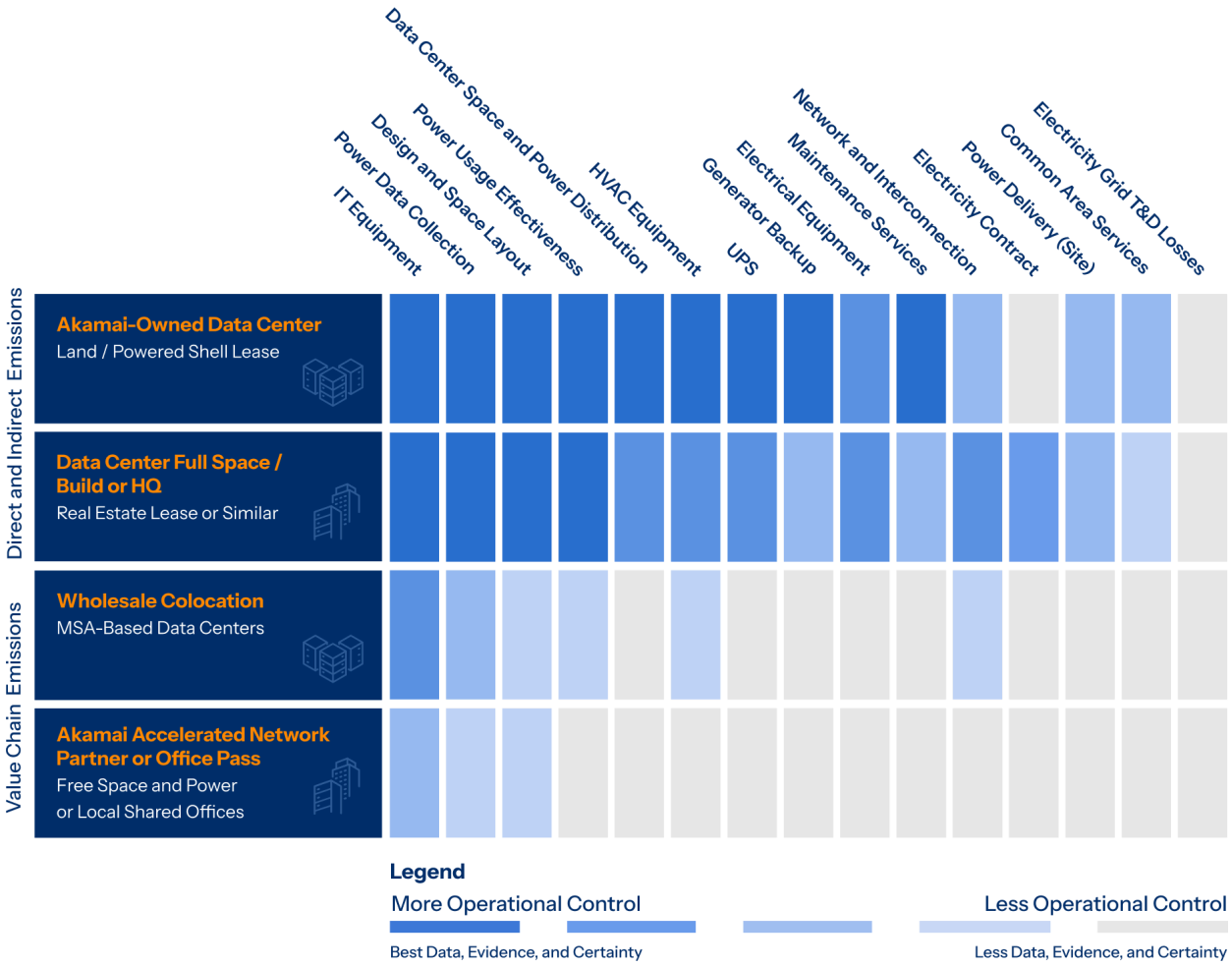
We take a comprehensive approach to understanding our emissions footprint. Like many companies in the IT Software and Services space, our colocation data center footprint constitutes a significant portion of our global operations.

Our sustainability program focuses on addressing energy consumption and emissions across our infrastructure, both direct and indirect. This includes energy use from owned generators, cooling equipment, and IT equipment in data centers. Our 2030 sustainability goals underscore our aspirations, targeting net-zero emissions and 100% renewable energy for our global platform. To achieve this, we collaborate closely with our colocation partners to advocate for the procurement of high-quality renewable and clean energy attributes.

While we prioritize reducing emissions within our direct operational control, we recognize the importance of critical services in colocation data centers, including cooling, lighting, and uninterruptible power supplies (UPS). These services contribute significantly to overall energy use, often reflected in metrics such as Power Usage Effectiveness (PUE). While contractual terms with vendors may limit our ability to directly influence utility energy mix, site efficiency, and PUE metrics we remain engaged in working collaboratively with our partners. Our efforts are focused on addressing energy consumption and emissions associated with colocation operations and PUE, in alignment with our 2030 sustainability objectives.

As we advance, we remain steadfast in our approach to further decarbonizing our services and expanding our focus to address broader impacts across our value chain, driving progress toward a net-zero future.

Our 2024 Approach to Operational Emissions Accounting



Standardizing GHG Accounting in Colocation Spaces

In 2025, Akamai will continue to partner with our colocation service providers to establish standardized accounting and reporting practices for emissions disclosures in our data center locations. Standardized emissions accounting that provides an approach to consequential traceability is crucial to ensuring accurate and consistent reporting, preventing issues such as double-counting or failing to report emissions values entirely due to assumptions that either providers or customers have accounted for. This effort is particularly critical as data center power demands continue to grow, amplifying the need for clarity and alignment in emissions reporting.

What are the Key Objectives?

- Ensuring our partners prepare GHG inventories that represent a true and fair account of their emissions by using standardized approaches and principles.
- Increasing consistency and transparency in GHG accounting and reporting across organizations and programs.[3]

[3] Both objectives are foundational principles derived from the Greenhouse Gas Protocol (GHGP).

Despite these objectives, Akamai, as a global customer of colocation services, frequently encounters significant variations in how colocation providers interpret and implement the current Greenhouse Gas Protocol (GHGP), the primary accounting guidance used by most companies today.

Even among providers with similar contract structures and power delivery models, reporting practices differ considerably. This variability in reporting practices poses challenges to the goal of standardizing GHG accounting, making it more difficult to track emissions accurately and achieve seamless industry-wide comparability. While the GHGP offers a valuable foundation, it can be challenging for global companies to derive consistent and actionable data across jurisdictions.

Key Challenges in Emissions Reporting

A central challenge in GHG emissions reporting for colocation services lies in determining which party is responsible for reporting specific emissions and under what boundary. In particular:

- **Indirect Energy Emissions Reporting:** Some colocation providers include all emissions from energy consumed within their data centers as indirect emissions, encompassing power used by their customers.
- **Indirect Energy Emissions vs. Value Chain Emissions:** Other providers only account for emissions related to their infrastructure as indirect energy emissions, leaving customer-related emissions unaccounted for or assumed to fall under value chain emissions.
- **Common Areas Only:** A few providers report only the emissions associated with ancillary power used in shared or common areas, such as lighting or cooling, creating further inconsistencies.

Variations in reporting frameworks can lead to challenges for both customers and providers in achieving clarity and consistency, potentially impacting the accuracy and reliability of emissions data and alignment with global sustainability goals. Establishing clear standards would effectively minimize the risk of misreporting or omissions, fostering greater trust and transparency in GHG disclosures.

Akamai's Approach to Clarifying Accountability

To address these issues, Akamai is aligned on clarifying the interpretation of operational control in colocation spaces. This approach will assign emissions responsibility based on operational authority, which governs the activities and decisions impacting emissions. We aim to to work across the industry to establish clearer boundaries for:

1) **Provider Responsibility:** Emissions associated with the provider's infrastructure, including building operations, cooling systems, and power delivery infrastructure.
2) **Customer Responsibility:** Emissions tied to customer usage of colocation space, such as the energy powering servers.
3) **Data Transparency:** Ensuring providers consistently share accurate and granular energy and emissions data with customers to support transparent reporting and informed decision-making.

Moving Toward Industry Alignment

Akamai is supportive in fostering collaboration between colocation service providers and their customers to establish clear and consistent accounting practices. By working together to standardize the various approaches, we can enhance the accuracy of emissions reporting and unlock broader

opportunities for meaningful decarbonization. Addressing reporting challenges will enable the data center colocation industry to focus on driving impactful initiatives, such as:

- Expanding investments in renewable energy generation
- Advancing clean energy procurement strategies
- Innovating in energy efficiency and operational sustainability

Through these collective efforts, we strive to bridge gaps in emissions reporting, provide more granularity through our accounting, and inspire progress by promoting transparency and accountability across the colocation and data center ecosystem. We believe working together as partners, we can help lead the way toward a more sustainable future.

Incorporating Best Practices with CEBA

In partnership with CEBA, we have prioritized integrating environmental considerations into the strategic planning process for our global platform. Through our participation in CEBA, Akamai helped to create a guide of best practices for corporate colocation and cloud procurement, and calls for our colocation providers to follow the same principles.

As a signatory of the Corporate Colocation and Cloud Buyers' Principles, Akamai supports the following goals:

1) **Options:** Provide options for cost-competitive services powered by renewable resources that reduce emissions beyond business as usual.
2) **Data:** Deliver monthly data on the colocation customer's direct and indirect energy consumption, water consumption, greenhouse gas emissions, and other environmental data.
3) **Incentives:** Align the partnership between customer and service provider, so both parties have an incentive to reduce energy consumption.
4) **Collaboration:** Provide options for customer collaboration on efficiency and renewable energy enhancements.
5) **Disclosure:** Disclose data for individual sites and total global corporate footprint, as well as site-specific energy sources.
6) **Advocacy:** Engage in policy advocacy efforts that support the use of renewable energy.

Helping to ensure our colocation and cloud service providers support these principles will help not only Akamai, but also other companies using their services, to meet sustainability goals.

Biodiversity and Emissions Impact

Understanding Akamai's Biodiversity Impact and Challenges

Akamai recognizes the crucial importance of addressing biodiversity as part of our environmental impact, and integrating nature-positive practices across our operations and emissions reduction

activities. As part of Akamai's environmental management system (EMS), our alignment with ISO 14001, we are regularly evaluating the company's environmental aspects and impacts to inform our targets and initiatives.

Akamai's environmental aspects related to biodiversity include:

- Consuming power across our global operations
- Purchasing and disposing of hardware
- Housing, maintaining, and operating our network equipment

Although we do not manufacture the hardware used across our platform and our operations are currently primarily in multi-tenant data center spaces, we recognize the potential for future expansion into wholly operated and owned data center environments. Regardless of the operational model, we aspire to make a tangible impact in mitigating biodiversity impacts as we work toward a decarbonized future. Through collaboration, innovation, and strategic initiatives, we aim to address environmental challenges while continuing to grow responsibly.

The repercussions on biodiversity are varied and could manifest in unpredictable ways on a global scale for ecosystems, public health, infrastructure, and our operations. This interconnected challenge is compounded by the impacts of climate change, where higher Representative Concentration Pathway (RCP) scenarios lead to more frequent and severe risks to our supply chain and the communities in which we live, work, and serve. Aligning our strategies with ambitious pathways like RCP 1.9 or 2.6, which limits global warming to 1.5°C, is essential to mitigating these effects and achieving long-term resilience.

Our Nature-Positive Practices

We are embracing nature-positive practices and decarbonization activities across our value chain, with a focus on renewable energy usage, sustainable waste management, and partnership with environmentally responsible suppliers.

Energy Use

- We are prioritizing our efforts to power our data centers and offices with 100% renewable energy sources to reduce the emissions footprint and associated impacts on biodiversity.
- We strive to implement energy efficiency measures to minimize resource use.

Waste Management

- We ensure the adoption of sustainable waste management practices such as e-Stewards, including recycling 100% of our electronic waste and materials, to prevent pollution and habitat degradation.

Supplier Engagement

- Through our supplier engagement programs, we embed biodiversity into the planning of new build data centers by selecting sites with low ecological sensitivity and sourcing from partners who align with environmental responsibility.

To guide our endeavors in safeguarding and enriching biodiversity, we have developed a biodiversity policy, which we will consistently review and enhance to align with progressive practices, our EMS, and our global sustainability objectives. We will continue to report comprehensively on progress toward our objectives and our environmental risk and opportunity management, expanding focus to include interconnected risks and opportunities, such as biodiversity, as we transition in the future to align with the IFRS S1 and S2 guidance.

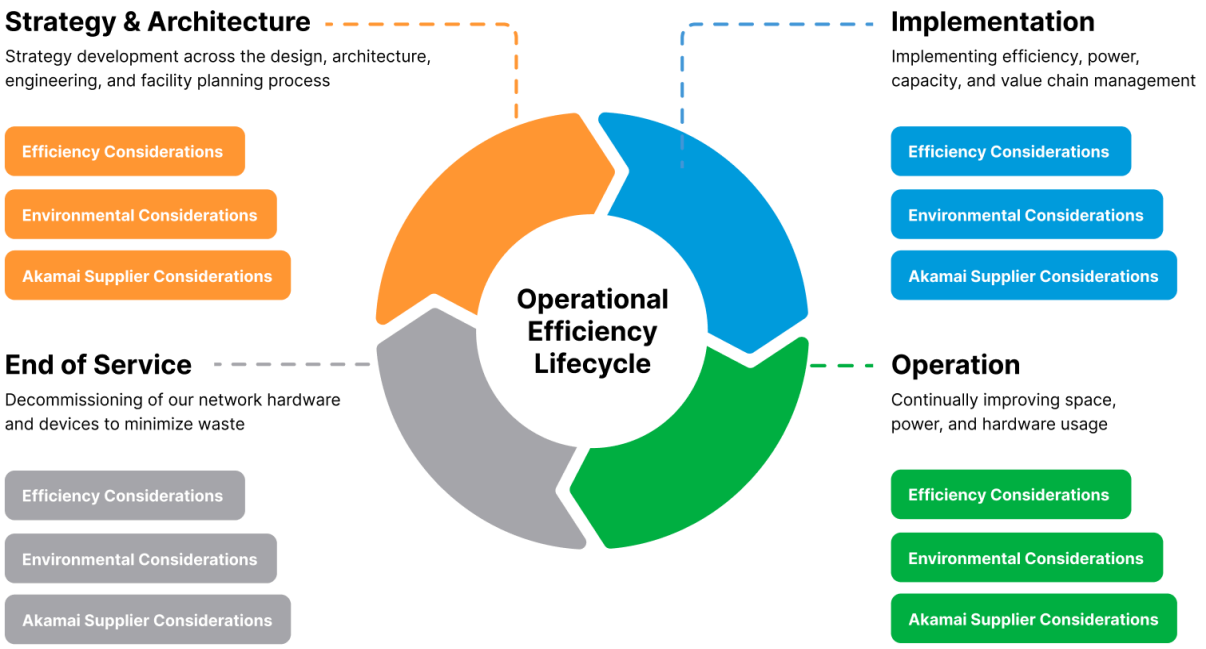
Quantifying Health and Ecosystem Benefits of Renewable Energy

We recognize that the impact potential of renewable energy project investment goes beyond delivering clean electrons to the grid. In 2024, Akamai partnered with Quantum Energy to analyze the grid-level changes in generation due to the electricity produced by Akamai's wind and solar projects in the U.S. and the avoided emissions to air, soil, marine, and freshwater, which are mapped to epidemiological damage pathways to assess public health and ecosystem impacts. The location of new clean energy projects can be optimized to avoid carbon, terrestrial acidification, freshwater eutrophication, photochemical oxidants (ecosystems), land saved by reduced fuel extraction, water depletion, terrestrial ecotoxicity, and freshwater ecotoxicity, among other factors, to increase biodiversity benefits as a result. **We are proud to highlight that 0.41 species** were saved, measured using the industry-standard Potentially Disappeared Fraction of Species metric, as a result of Akamai's 2024 renewable energy portfolio impact.

Making impact-driven and holistic sustainability progress is crucial for Akamai's long-term business resilience, and for the health of our planet and the interconnected ecosystems, species, and people that inhabit it.

Embodied Emissions Program

As part of our EMS and the continuous improvement of our sustainability program, we are further developing our embodied emissions program. Now part of our operational efficiency lifecycle, the program is being explored under strategy & architecture and implementation phases, as seen in the graphic.



As part of our net-zero targets and broader sustainability goal, Akamai is dedicated to exploring collaborative methods to reduce the embodied carbon emissions within our supply chain supporting our global platform. We recognize the urgency of this issue and are working on a comprehensive approach encompassing several critical stages toward achieving our goal.

1. Work toward enhancing transparency and traceability across the Akamai supply chain. We are in pursuit of fostering a collaborative relationship with our suppliers to gain deeper insights into their emissions impact and explore opportunities to reduce their environmental footprint.
2. Seek ways to incorporate low-carbon materials and technologies into our network. We are investigating alternative materials and energy-efficient technologies that can assist us in reducing the embodied emissions linked with the physical footprint of our global platform.
3. Implement sustainable practices across our operations, such as reducing waste, conserving energy, and promoting sustainable options for our global platform.
4. Connect with our industry partners and stakeholders to promote best practices in sustainable supply chain management and advocate for policies supporting a low-carbon economy for our global platform.

We intend to continue to engage with the Clean Energy Buyers Institute (CEBI) in the Decarbonizing Industrial Supply Chain Energy (DISC-e) program as part of our embodied emissions program.

CEBI
Clean Energy Buyers Institute

In our annual emissions reporting, we are prioritizing accuracy to measuring and reducing our embodied carbon footprint. Our current focus has been calculating the embodied carbon emissions from our hardware and component purchases for our global platform. However, we acknowledge there is room for improvement and validation when measuring specific embodied emissions. We recognize the impact of purchasing capital goods over their useful life on our emissions output and remain dedicated to working with the industry to achieve greater accuracy in our calculations.

100% Renewable Energy

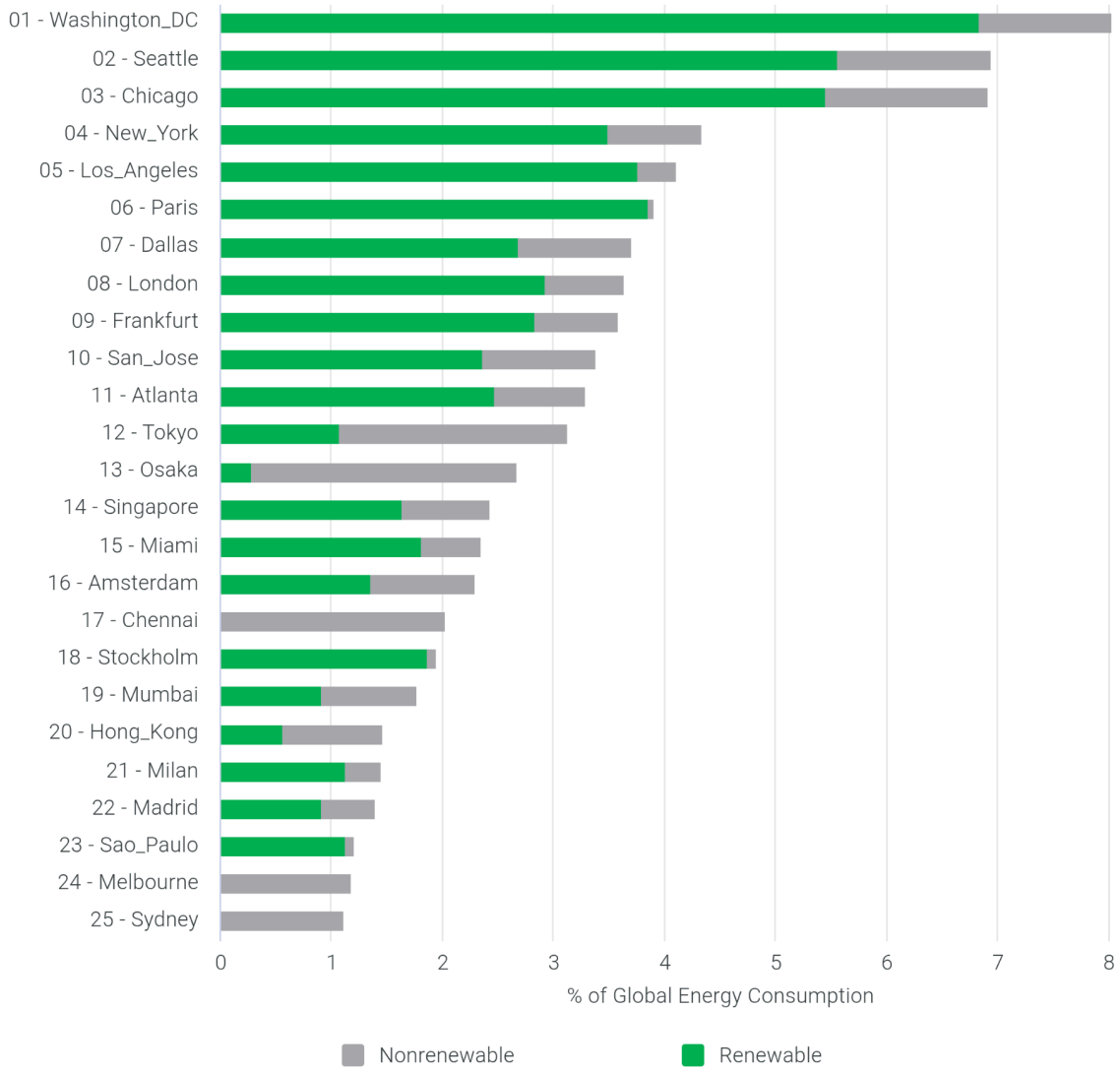
Program Approach

Total Power Consumed	Average Power Usage Effectiveness (PUE)	Clean Energy from Data Center Partners	Akamai-Caused Renewables	Clean Energy–Powered Data Center Facilities
873,400 MWh	1.4	355,700 MWh	163,700 MWh	147

We aim to power Akamai's global operations with 100% renewable energy. To achieve this, we will continue strategically investing in purchaser-caused renewable energy, such as power purchase agreements (PPA) or virtual power purchase agreements (VPPA). We aim to add net-new renewable energy to the grid whenever possible, and obtain bundled and traceable renewable energy credits to align against our operations.

Due to the global footprint of our platform, we must rely on energy sources worldwide, including in regions where renewable energy isn't always reliable or readily accessible. Where we can't source purchaser-caused renewable energy or work directly with our colocation partners, we intend to procure renewable power as close to our operations as possible through meaningful utility, supplier, or other market-based options that provide reliable traceability of Energy Attribute Certificates (EACs), such as Green-e certification or those that meet local mandatory compliance standards.

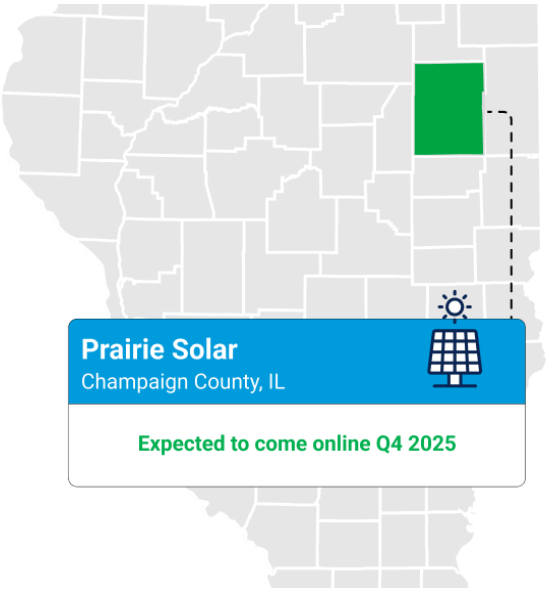
Akamai Electricity Portfolio by Metro



US Renewables Update

In 2024, Akamai continued to advance our goal of 100% renewable energy and net-zero emissions. Building on progress made in 2023, Akamai, in collaboration with Teradyne and Wayfair, signed a virtual power purchase agreement (VPPA) to support the development of new renewable energy in Champaign County, Illinois, within the carbon-intensive grid of the Midcontinent Independent System Operator (MISO) North region.

This partnership reflects our emissions-first approach, which prioritizes reducing emissions in the regions that need it most. We expanded our 30 MW portion of Prairie solar to a 44.8 MW share of the project. Our portion of Prairie Solar is anticipated to generate approximately 100,177 MWh annually and prevent an estimated 77,000 metric tonnes of CO_2e emissions each year. Scheduled to come online in Q1 2026, Prairie Solar will benefit the environment, support job creation, and reduce the emissions impact on the local community, while adding significant renewable power to Akamai's U.S. portfolio.



Looking ahead to the 2nd half of 2025 and beyond, this project exemplifies Akamai's goal of driving meaningful climate action and supporting a decarbonized future through targeted, impactful renewable energy investments.

Global Renewable Energy Expansion

In 2024, Akamai focused on identifying opportunities to expand our renewable energy program globally, aligning with our dedication to bring net-new renewable energy to the regions where we operate. Through engagement with developers, market research, and targeted initiatives, we explored ways to advance renewable energy adoption across key markets, including the European Union (EU), India, Southeast Asia, Australia, and Japan.

Evaluating Projects in the EU

The EU remains a critical area of focus for Akamai, where we are actively exploring opportunities to add new renewable energy capacity. In 2024, we initiated a request for proposals (RFP) and project-specific negotiations centered on renewables that address carbon-intensive grids within the region. By engaging with developers and evaluating project options, we aim to align our renewable energy investments with the EU's ambitious climate targets while prioritizing high-impact opportunities that reduce emissions.

Exploring Opportunities in Asia-Pacific

In 2024, we laid the groundwork for our market-entry strategies in Japan, Singapore, and Australia. At the same time, we deepened our engagement with India's booming digital economy and Southeast Asia's vibrant energy markets — each offering significant potential for renewable-energy growth. Across all these regions, we focused on navigating complex regulatory landscapes and forging partnerships to drive forward solar and wind project opportunities.

By prioritizing areas with higher carbon intensity, Akamai is assessing the feasibility of projects that could bring new renewable energy capacity to local grids, contributing to emissions reductions and environmental benefits. These efforts aim to align with local and national sustainability goals while laying the groundwork for future investments that maximize both environmental and community impact.

Identifying Pathways in Japan

Japan's unique energy landscape, characterized by a reliance on imported fossil fuels, underscores the need for renewable energy development. Akamai sought opportunities to collaborate with stakeholders and evaluate potential projects, particularly in solar and offshore wind. By focusing on initiatives that align with Japan's carbon neutrality goals, we aim to contribute meaningfully to the country's clean energy transition.

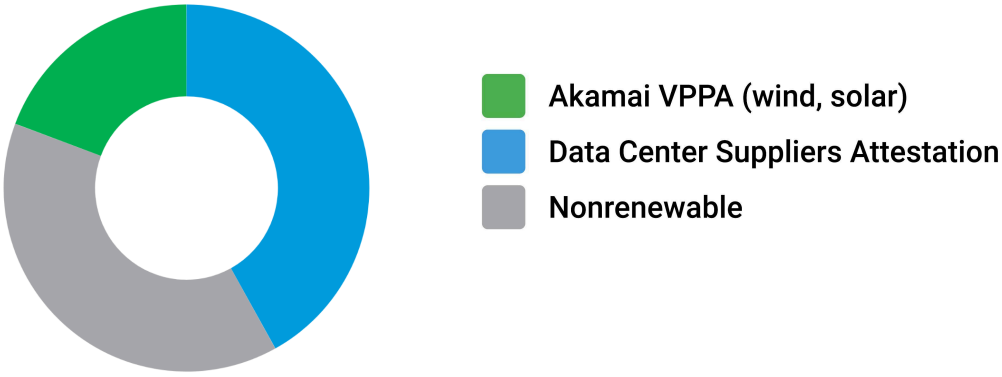
Looking Ahead

As we look to 2025, Akamai is focused on transforming opportunities into impactful action to expand our renewable energy footprint. By prioritizing high-carbon-intensity regions and collaborating with local stakeholders, we aim to drive meaningful progress toward our sustainability goals.

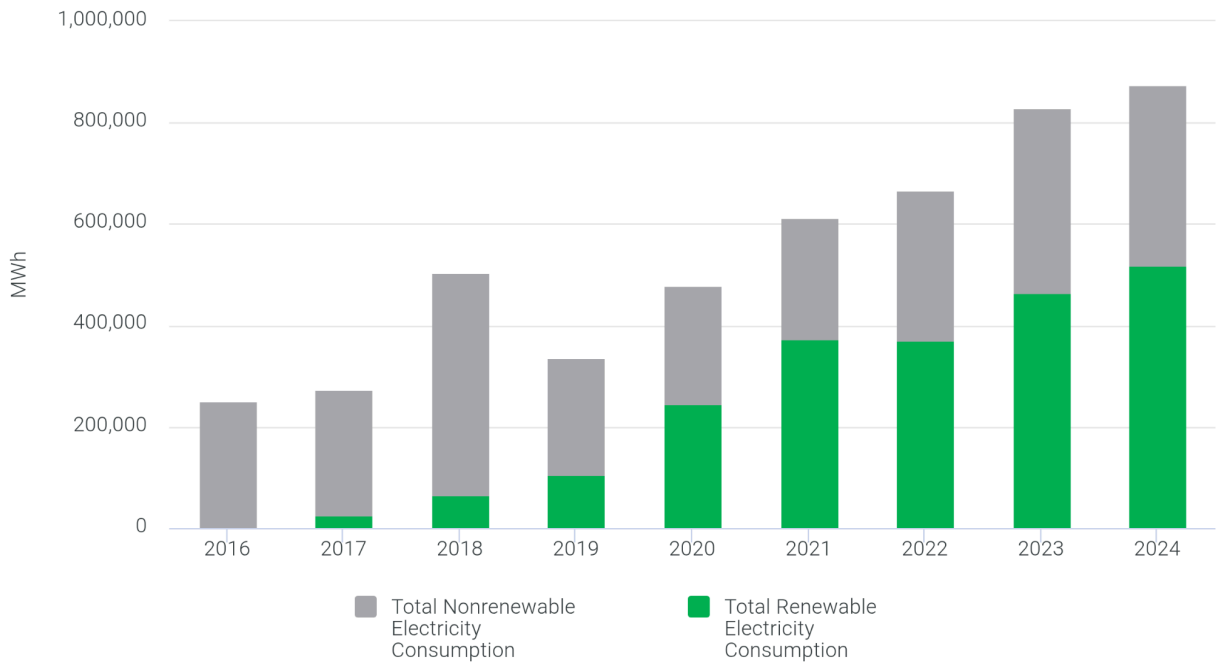
Renewable Colocation Partnerships

We work closely with our data center partners, who share our environmental concerns, to ensure that our operations are powered solely by renewable energy sources. As of December 2024, around 95% of our network deployments are in facilities licensed or leased from our colocation partners, who have demonstrated a strong alignment to renewable energy. Our joint efforts have positively impacted the environment, and we continue to prioritize sustainability as a key objective in our operations.

Akamai Renewable Energy Mix



Electricity Consumption (MWh) and Renewable Energy Use (%) Over Time



In 2024 we saw a 11.8% increase over 2023 in the amount of renewable power used by our network. This was mainly due to increasing our deployments in data centers, which source renewable energy for 100% of the power they use. With our own renewable energy projects, Akamai has continued to see growth across our footprint through our direct EAC purchases, market-based utility supply, and certain attestation claims. We are proud to continue to make progress toward working with data centers to gain a greater mix of renewables and increased purchaser-caused supply in our energy mix to reduce our use of fossil fuels.

Contracting for renewable energy can be daunting. At Akamai, we strive to work closely with organizations like CEBA to provide comprehensive training programs for our colocation partners to encourage more procurement of renewable energy to power their facilities. CEBA Boot Camps are designed to provide an in-depth learning experience that can help members and supply chain partners navigate the complex energy markets and procurement solutions. Akamai's experienced industry experts led several training sessions throughout 2024, which were facilitated alongside CEBA staff.

Akamai's Clean Energy Impact

Locational Marginal Emissions

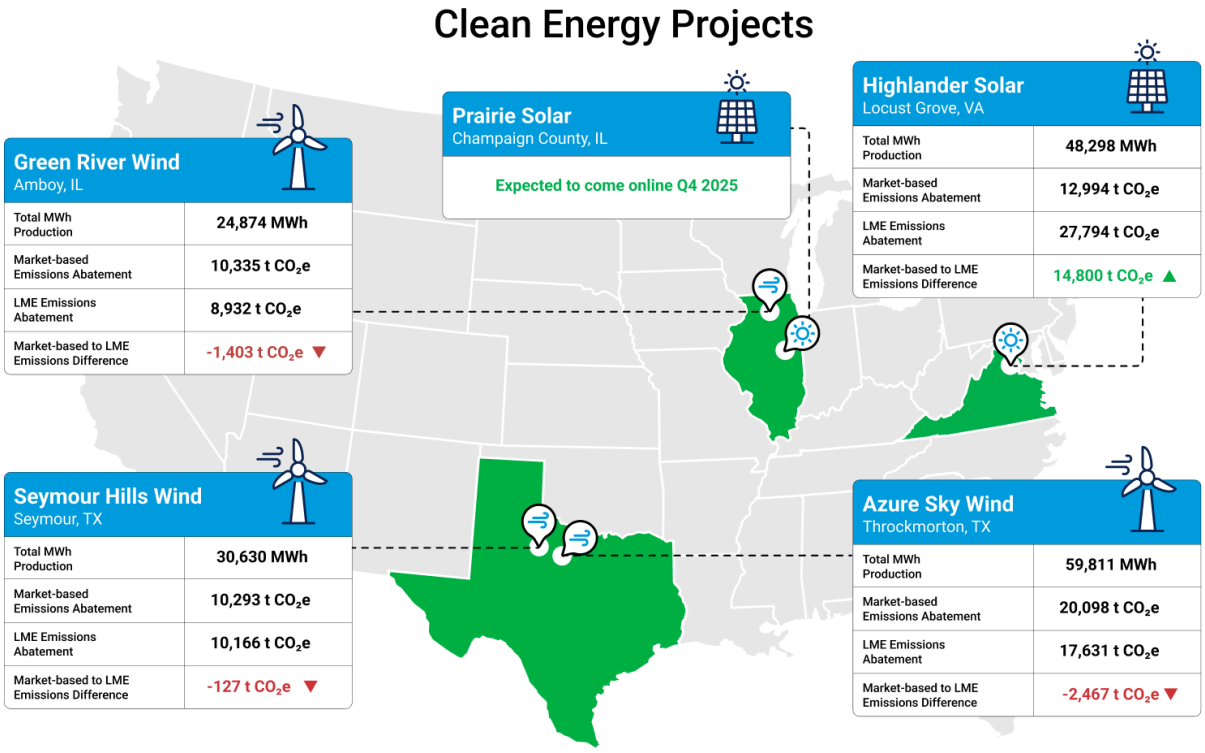
Measuring emissions displacement on a global scale is challenging, mainly because the amount of carbon emissions that a given megawatt-hour (MWh) of clean energy avoids varies widely, even across projects within the same region. To build on our emissions-first approach in 2024, we continued integrating Locational Marginal Emissions (LMEs) into our workstream from REsurety to track our emissions displacement activities more closely across our active purchaser-caused renewable portfolio.

Under the reporting provided by REsurety, LMEs are an innovative way to measure the metric tonnes of carbon emissions displaced by 1 MWh of clean energy added to the grid at a specific location at one particular time. LMEs are calculated at each power system node like the Locational Marginal Prices (LMPs) used to set wholesale electricity market prices. LMEs measure emissions by identifying the marginal generators that would have been producing energy if not for the renewable injection to the grid at that location.

The LME data that REsurety provides enables Akamai to calculate the estimated impact of our activities at each location on the grid. LME reports also offer visibility into specific emissions values abated for each MWh generated by our renewable energy projects. For example, they show how much gas or coal is displaced, or how much wind energy is curtailed, due to our activities. Utilizing this data allows us to increase the accuracy of our carbon accounting and analyze our renewable energy portfolio in a more real-time fashion. These reports also provide insight that helps Akamai evaluate new market opportunities and make strategic decisions on renewable energy procurement. Using LMEs ensures we focus on locations and technologies that can significantly impact our carbon emissions reduction efforts.

Akamai's Active Clean Energy Projects

Understanding our renewable abatement impact helps us to make meaningful progress toward our net-zero goals. With our ongoing incorporation of LMEs into our long-term approach, we can better understand the full impact of our renewable projects based on their hourly displacement over the 8,760 hours in a year. Getting to a highly precise measurement helps us track our progress and be more deliberate in reaching a net-zero future for Akamai.



The previous graphic highlights each project's total MWh production during 2024. It also includes two different emissions factors, including market-based emissions values based on the project location and generation profile and the LME values, which highlight a closer-to-reality market abatement.

Between the market-based emissions factor from the site location and LME values, we highlight the difference between the impact of each applied method. As we continue to form our emissions-first approach, we will look for ways to use innovative emissions abatement measurements, such as LMEs, across our global footprint.

Decarbonization Partnerships

ZEROgrid Initiative

Akamai continued to partner with the leading-companies in the ZEROgrid Initiative, a collaborative initiative designed to accelerate the transition to a decarbonized, reliable grid by fostering partnerships among corporate energy buyers, grid operators, policymakers, and researchers. The initiative focuses on leveraging corporate actions to address key challenges in grid reliability, decarbonization, and scalability while promoting innovative solutions and frameworks that benefit the energy ecosystem.

Through its Reliability Advisory Initiative (RAI), ZEROgrid facilitates proactive, high-impact discussions and actions to tackle emerging grid reliability challenges, particularly those arising from electrification, renewable integration, and dynamic load growth.

This past year, Akamai worked collectively as a part of the RAI to contribute to bridging the gap between grid operators (RTOs/ISOs) and corporations by creating a collaborative forum for two-way information sharing. The focus is on addressing resource adequacy, improving load forecasting, and supporting emerging clean energy technologies to ensure a resilient and cost-effective grid of the future.

Key Progress and Outcomes from RAI in 2024

Enhanced Two-Way Communication

- Goal: Foster open dialogue between corporates and RTOs/ISOs to align corporate energy strategies with grid reliability needs.
- Impact: Improved understanding of grid reliability mandates, corporate decarbonization goals, and actionable ways to align these efforts.

Proactive Planning for Load Growth

- Addressed challenges posed by rapid load growth from electrification (e.g., electric vehicles (EVs), data centers, manufacturing).
- Introduced scenario analysis frameworks to evaluate future demand variability, improving transmission planning and interconnection processes.

Integration of Emerging Technologies

- Promoted corporate-driven pilots for emerging clean technologies, such as virtual power plants, demand response systems, and grid-enhancing technologies.
- Supported the adoption of innovative solutions by providing evidence-based insights to grid operators.

Focus on Electrification and EV Load

- Collaborated with the U.S. Department of Energy to align EV charging infrastructure development with grid capacity.
- Highlighted the need for managed charging and vehicle-to-grid (V2G) technologies to enhance grid stability.

Corporate Playbook for Grid Reliability

The RAI developed a comprehensive playbook with actionable recommendations for corporations, focusing on:

- Supporting resource adequacy through flexible demand and ancillary services
- Increasing visibility into behind-the-meter (BTM) resources
- Addressing data-sharing challenges to enhance load forecasting

What Does the Future Hold for ZeroGRID?

The future of the ZEROgrid program is centered on fostering impactful corporate action to accelerate decarbonization, dynamic load management, infrastructure optimization, and collaborative planning. By promoting corporate investments in renewable energy and emerging technologies, ZEROgrid aims to drive substantial emissions reductions while supporting grid reliability. A strong emphasis on load flexibility, smoothing technologies, and emissions-informed planning will ensure that dynamic load management aligns with evolving grid needs. Infrastructure optimization efforts, including clean repowering and the adoption of grid-enhancing technologies, will address bottlenecks and support seamless renewable integration. Additionally, ZEROgrid will continue to champion two-way information sharing between corporates and grid operators, ensuring that planning strategies are collaboratively aligned to meet the demands of a sustainable energy future.

Emissions First Partnership

Emissions First Partnership

Akamai continues to work with the Emissions First Partnership (EFP), focused on accelerating global decarbonization. EFP companies are working to reduce our emissions from electricity use with impactful clean energy projects. Akamai believes putting emissions first will maximize our carbon reductions and enable us to have a more significant effect where we operate. Moving beyond megawatt-hour matching to focus on the quantified emissions impact of electricity consumption and generation is at the heart of this approach. In 2024, the EFP made significant strides in refining emissions accounting and promoting effective decarbonization strategies.

Key EFP Initiatives and Developments

Advancement of Emissions Accounting Principles

- The partnership emphasized the importance of recognizing that the emissions impact of a megawatt-hour of electricity consumption or generation varies based on time and location.
- By prioritizing decarbonization, Emissions First aimed to provide stakeholders with confidence that emission reduction claims made by organizations are accurate and impactful.

Promotion of Consequential Emissions Impact Analysis

- Members advocated for the adoption of consequential emissions impact analysis to better understand the real-world effects of corporate renewable energy procurement.
- The approach continued to evolve on the actual emissions reductions achieved, rather than solely on the quantity of renewable energy purchased.

Engagement with Global Climate Initiatives

- The partnership actively participated in international discussions on climate action, aligning its principles with global efforts to reduce carbon emissions.
- By collaborating with other organizations and stakeholders, Emissions First contributed to the development of more accurate and impactful emissions accounting standards.

Educational Outreach and Thought Leadership

- Through its blog and publications, Emissions First provided insights into the evolving landscape of emissions reduction and clean energy solutions.
- Topics covered included the climate and social benefits of relaxed market boundaries for low-income countries and the role of market boundaries in enhancing voluntary corporate renewable energy procurement.

Looking Forward with Emissions First

By focusing on these areas, the Emissions First Partnership worked toward creating a more accurate and effective framework for corporate emissions accounting, ultimately supporting global efforts to combat climate change. Through continuous collaboration with policymakers, market leaders, and international climate initiatives, Emissions First seeks to influence the creation of policies and mechanisms that support high-impact corporate action. The partnership also aims to bridge gaps in global renewable energy accessibility, ensuring equitable contributions to emissions reductions, particularly in regions with emerging energy markets.

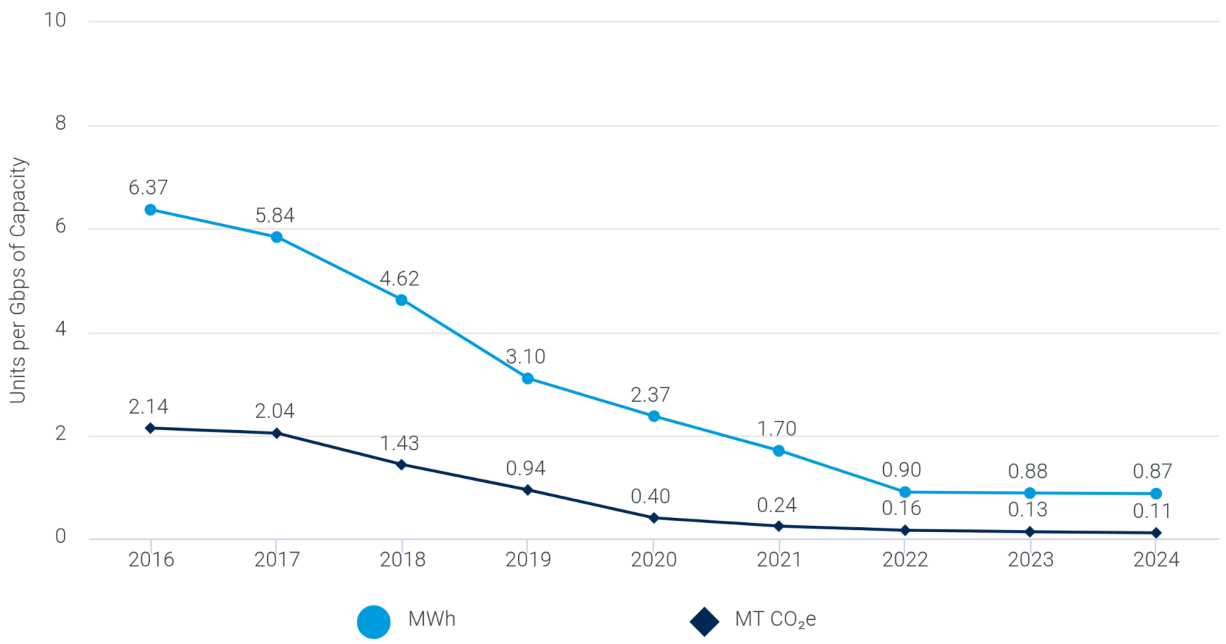
Build Efficiency

Program Approach

Akamai is a company that takes pride in its world-class team of engineers and architects constantly working toward finding innovative and efficient ways to enhance the performance of our global platform. With an unwavering focus on delivering cutting-edge solutions that meet the evolving needs of our customers, the team is dedicated to pushing the boundaries of what's possible in our cloud computing, security, and delivery services. Through our efficiency work, our teams are continuously working to improve our services

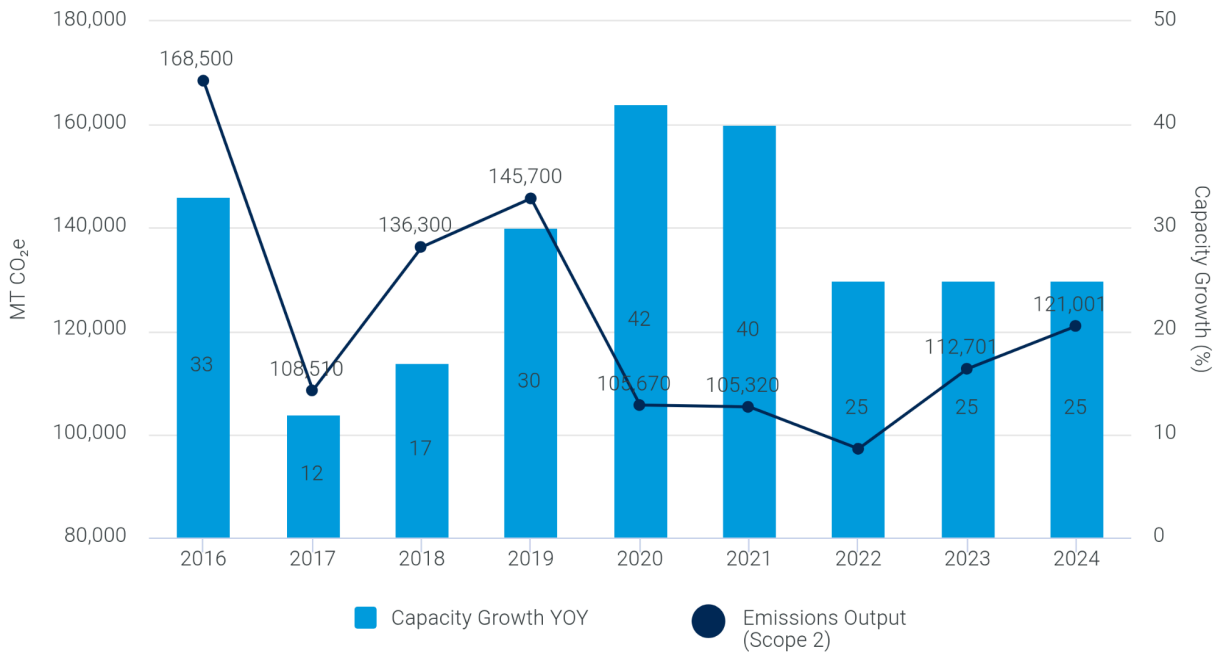
while reducing our impact on the planet through process improvement, software performance, and hardware optimizations.

Akamai's MWh and CO_2e per Gbps of Capacity



This graph highlights the power and emissions intensity per Gigabits per second of installed network capacity across our global platform.

Emissions Impact to Capacity Growth



This graph highlights the emissions impact of our global platform year over year against our platform growth.

Developing Software Efficiencies

Akamai's continuous innovation in optimizing our edge server infrastructure is a significant step toward a more sustainable future. By focusing on smarter resource utilization and reducing hardware dependency, these efforts not only contribute to cost efficiencies but also deliver substantial environmental benefits. Below is a detailed analysis of the environmental impact and emissions reductions achieved through these efforts.

Software Example 1: Optimizing Disk Space

Akamai optimized our edge server software stack, enhancing disk utilization and enabling up to 12% additional caching capacity per server. This was achieved by:

- Reducing reserved disk space from 5% to 1%.
- Increasing disk utilization before managing cache data.
- Deploying these optimizations on Akamai's latest-generation hardware.

Environmental Impact

- **Reduced Hardware Demand:** Avoided the acquisition of 2,732 new servers.
- **Avoided CO_2 Emissions:** Approximately **78,000 metric tons (MT CO_2e)** projected reduction over five years — equivalent to taking over 16,900 cars off the road for one year.
- **Resource Efficiency:** Lower demand for disk production and transportation, contributing to reduced resource extraction and manufacturing emissions.

Software Example 2: Optimizing Capacity

By refining traffic load reporting, Akamai improved resource balancing across servers, preventing resource overload and increasing capacity by 10%–15%. Key outcomes include:

- Enhanced traffic capacity and added 3.6 Tbps (8.05%) of capacity without additional hardware.
- Reduced hardware needs and saved the deployment of 1,334 servers, with 218 servers avoided in Q4 '24 alone.

Environmental Impact

- **Avoided CO_2 Emissions:** Approximately **19,000 metric tons (MT CO_2e)** projected reduction over five years.
- **Energy Savings:** Fewer servers translate to reduced energy consumption for operations and cooling in data centers.
- **Supply Chain Efficiency:** Decreased demand for server manufacturing and shipping.

Environmental Benefits

Across both initiatives, Akamai projects a total **97,000 metric tons (MT CO_2e)** reduction in emissions over the next five years. This is equivalent to:

- Powering over 11,000 homes for one year
- The carbon sequestered by over 1.6 million tree seedlings grown for 10 years

These efforts align with Akamai's broader focus on sustainability by:

- Extending the lifecycle of existing hardware
- Minimizing the need for new resource extraction
- Reducing the carbon footprint of our delivery network

Developing Hardware Efficiencies

Akamai's server fleet is a cornerstone of our network, ensuring security, speed, and reliability for customers worldwide. This study set out to answer a key question: Have our server generations become more efficient over time?

To explore this, we analyzed real-time data snapshots from two primary types of production network servers. For clarity, we refer to these as our **Encryption-Focused (EF)** and **Data Transfer Optimized (DTO)** networks. Each server type plays a distinct role within our infrastructure:

- **EF** servers perform intensive cryptographic computations, consuming more CPU and power per megabit of data output.
- **DTO** servers operate with fewer computational overheads, offering another perspective on efficiency.

The study focused on four of Akamai's latest server generations — for simplicity purposes, we will call these servers **"type 1 through 4"** — looking specifically at two key efficiency metrics:

- **Megabits per second per watt** — a classic measure of power efficiency.
- **Megabits per second per watt per % CPU in use** — an enhanced metric factoring in CPU utilization, offering a clearer view of real-world efficiency under varying workloads.

Server Generations at a Glance

Each server generation was evaluated based on its technical specifications, including CPU type, core count, and network interface card (NIC).

Server Generation	Cores	NIC
Type 1	8	10 Gbps x 1
Type 2	20	100 Gbps x 2 Gen 1
Type 3	32	100 Gbps x 2 Gen 2
Type 4	48	100 Gbps x 2 Gen 3

Methodology: Capturing Peak Efficiency

To ensure robust results, we analyzed server performance during peak usage hours — 7 PM to 10 PM local time in their respective regions. Real-time data from our global data collection system and multiple metrics provided insights into power consumption and CPU activity.

Key adjustments

- **Type 1 power correction:** Type 1 servers report a single power value per chassis, which houses two servers. For accuracy, power consumption was halved per server.

Findings: Generational Efficiency Trends

Using the enhanced metric (megabits per second per watt per % CPU in use), our analysis revealed:

- **Efficiency Increases Across Generations:** Each new server generation consistently outperformed its predecessor, and our latest generation shows the highest efficiency values across both networks.

Encryption-Focused and Data Transfer–Optimized Insights

- **EF:** Servers demonstrated lower efficiency due to their cryptographic demands. However, even within this group, generational improvements were clear.
- **DTO:** Servers followed the same trend, benefiting from lower computational overhead.

Efficiency Gains at a Glance

Comparison	DTO Median (%)	DTO Max (%)	EF Median (%)	EF Max (%)
Type 2 to 1	-17 to +6	+0 to +23	0	+23
Type 3 to 2	+116 to +120	+88 to +120	+120	+131
Type 4 to 3	+20 to +28	+27 to +33	+27 to +33	+33

Implications for Server Deployment

While Type 4 servers are the most efficient when fully utilized, idle cores still consume significant power. This highlights the importance of aligning workload allocation with available core capacity, especially for Type 4 servers, to optimize power usage.

Conclusion: A Clear Efficiency Progression

The study confirmed that Akamai's server generations have consistently increased in efficiency, with each iteration delivering significant improvements. **Type 4 servers** lead the fleet, underscoring Akamai's dedication to innovation and sustainability in powering the internet. However, future operational strategies should prioritize load balancing to maximize the potential of these cutting-edge servers.

This ongoing focus on efficiency reinforces Akamai's position as a leader in sustainable technology, ensuring our network meets the evolving demands of a connected world.

Sustainability-Focused Research and Design

Akamai has designed an ambitious new system that could enable customers to manage the electrical power used for them on our multi-tenant platform. Members of our Cloud Technology Group Architect team have been the force behind these designs, with the goal of supporting potential future features

around more environmentally friendly delivery, as customers help us prioritize further interest in this area.

The system, while in its early stages, is designed to enable customers to control the quality of the electrical power (e.g., in clean energy terms) used to power their end-user services and to specify when and how performance degradation would be acceptable to achieve it, if necessary. For example, a customer providing streaming video might prioritize using renewable energy while adjusting video quality or buffering times to save power. The technology is applicable to many services, such as streaming media, website delivery, and edge computing. Moreover, a tracking and reporting tool would enable customers to see the environmental impact their choices make and to demonstrate how their end-user services align with sustainability goals.

In December 2024, Akamai received a U.S. patent related to aspects of the work on this innovative project. The patent showcases Akamai's leadership in sustainable technology by embedding carbon-conscious choices into its platform.

The Future for Efficiency

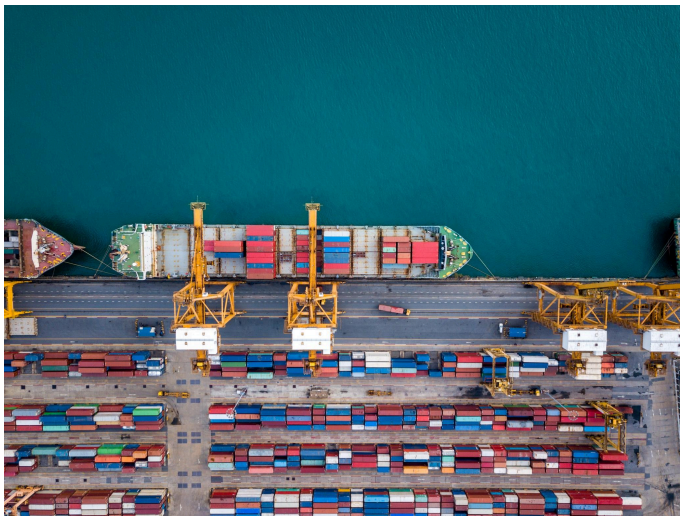
Akamai is engaging in ongoing improvements for our infrastructure, focusing on innovative methods to enhance caching efficiency and resource optimization. By prioritizing corporate sustainability alongside operational excellence, Akamai demonstrates leadership in reducing emissions and setting a benchmark for green innovation in the technology sector.

This work highlights the significant role technology companies can play in global emissions reduction efforts, ensuring that the internet's growing demands do not come at the expense of the environment.

Supplier Engagement

Program Approach

At Akamai, we believe in delivering business results the right way. At our core, we value diversity, environmental consciousness, and social responsibility in all our business transactions. We work closely with our suppliers and partners to ensure their operations align with our corporate values. To this end, we collaborate with our suppliers to understand their approach to reducing their carbon footprint, promoting renewable energy, and enhancing overall facility efficiency. Our Sustainability team works closely with our data center, hardware, and network suppliers, advancing clean energy and reducing emissions.



Supplier Assessment Program

Responsible Supply Chain Program

To achieve our goal of working with accountable suppliers, we have created a Responsible Supply Chain Program (RSCP) that evaluates our suppliers based on their performance in areas such as the environment, labor and human rights, ethics, and sustainable procurement.

Our RSCP program has been designed to ensure that our suppliers adhere to responsible business practices and that we work together to promote sustainability across our supply chain. By implementing the RSCP, Akamai aims to foster a responsible and ethical supply chain that upholds our values and benefits for all of our stakeholders through:

- Aligning our suppliers to our ESG goals and values
- Minimizing risk and reputational impact
- Meeting customer expectations and requirements
- Preparing for supply chain regulations
- Strengthening supplier relationships and performance
- Meeting our 2030 sustainability goals

Learn more about Akamai's RSCP

Collaborating with Data Center Vendors

Akamai's distributed network spans over 4,350+ locations worldwide, making collaboration with our colocation providers essential for tracking power consumption and understanding energy sources. We depend on these partners to supply detailed data on the power usage of our equipment and the proportion of energy sourced from renewable generation.

To measure progress toward our renewable energy and net-zero targets, we've implemented a multifaceted approach. Each year, we receive attestations from our colocation providers detailing the percent of renewable energy used at their facilities and the origins of that energy.

From a contractual standpoint, we have established a set of sustainability principles outlining clear requirements and expectations for suppliers to support our sustainability goals. These requirements are embedded in every stage of data center space and power procurement — from RFPs and requests for information (RFIs) to colocation agreements. This approach ensures consistent practices across all suppliers, regardless of their size or global location. It also allows us to devote more attention to discussions focused on opportunities with our partners that result in additional clean energy generation and acquisition.

We look forward to continuing to collaborate closely with our data center partners to help create a decarbonized internet infrastructure.

Industry Engagement

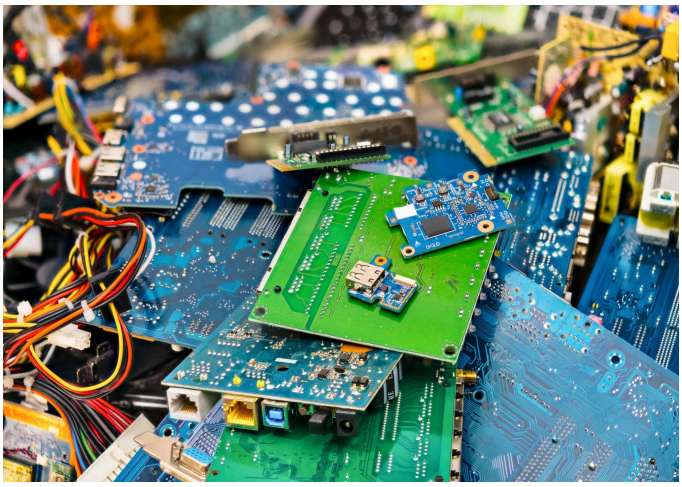
In 2024, Akamai worked with the CEBA Colocation Working Group and Future of Internet Power to help continue its mission to streamline and enhance clean energy procurement within the colocation data center sector. Key initiatives included:

- **Standardizing Emissions Reporting:** The group worked to harmonize GHG accounting practices among colocation providers and their customers, aiming to reduce inconsistencies and improve transparency in emissions reporting.
- **Advancing Renewable Energy Adoption:** Efforts were made to facilitate the integration of renewable energy sources into colocation facilities, supporting the broader decarbonization goals of the industry.
- **Educational Outreach:** The working group organized webinars and workshops to educate stakeholders on best practices in clean energy procurement and sustainability within colocation services.
- **Policy Advocacy:** Engaging with policymakers to advocate for regulations that support clean energy initiatives in the colocation sector was a priority, ensuring that legislative developments align with industry sustainability goals.

These efforts reflect CEBA's prioritization of fostering collaboration and driving progress toward a carbon-free energy future in the colocation data center industry. Akamai is proud to partner with CEBA in advancing this critical work, actively collaborating with colocation providers to align on best practices for emissions reporting, renewable energy integration, and sustainability initiatives. By working together, we aim to standardize approaches, enhance transparency, and unlock greater opportunities for decarbonization within the colocation sector, reinforcing our shared focus to a sustainable and climate-resilient future.

Circularity

Program Approach



Circularity is an essential concept for Akamai, as we are in pursuit of reducing our environmental impact and promoting sustainable practices globally. At its core, circularity refers to the idea that resources should be used to minimize waste and maximize efficiency while advancing our long-term sustainability goals and aspirations.

Through our circularity program under our 2030 sustainability goals, Akamai views the work that supports the program not just from a lens of our hardware operating cradle to grave. At Akamai, circularity is a holistic approach to support our goals through lifecycle management, best-in-class e-waste practices, customer and employee engagement, community, events, and public advocacy. Building a circular system is critical to the long-term success of our sustainability program and why it is featured as one of our 2030 goals.

E-Waste

Proper disposal of electronic waste (e-waste) is a pressing global concern. Today, the Basel Convention is the world's only legally binding agreement about waste. It prevents industrialized countries from dumping hazardous and household waste on developing countries. With the international importance of the Basel Convention, e-waste recycling is a priority for Akamai's global sustainability strategy. At Akamai, we follow the Basel Action Network (BAN) electronics stewardship known as the e-Stewards Standard to support a unified global approach to the Basel Convention.

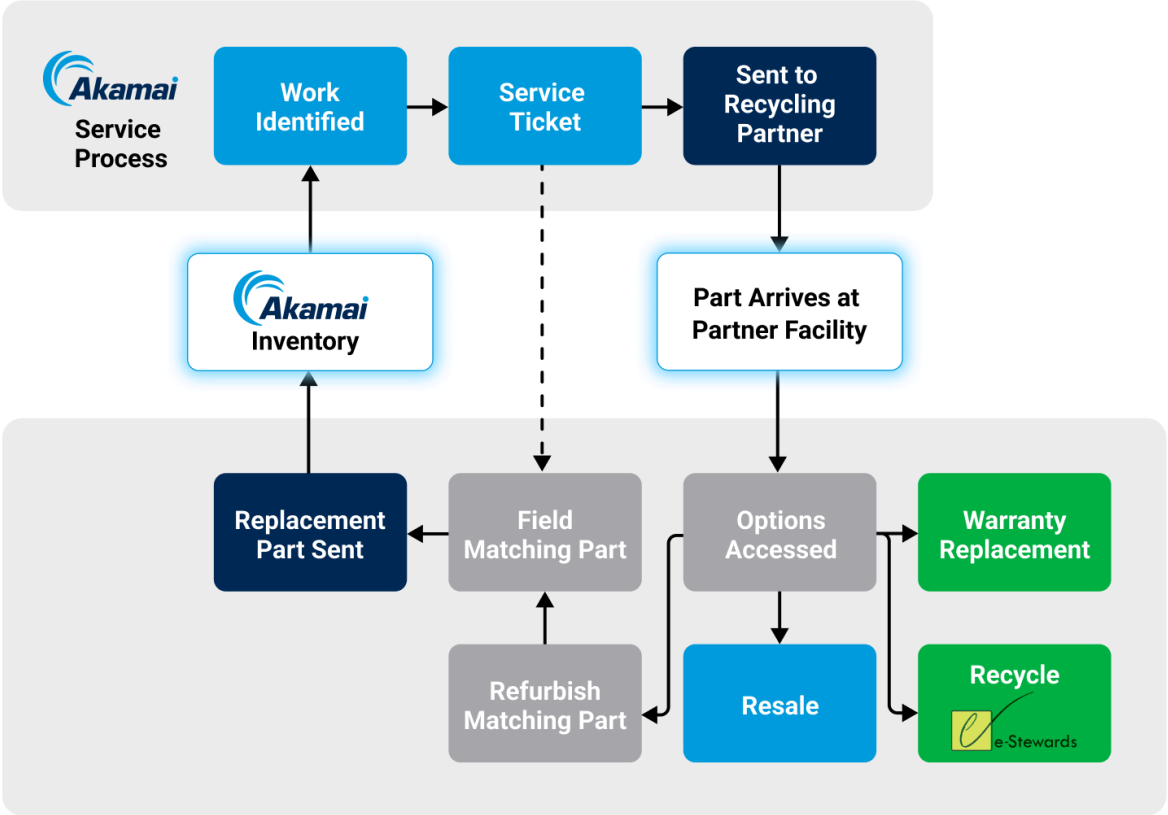
Through our approach to circularity, we recycle 100% of our e-waste in compliance with all relevant environmental and security standards. At Akamai, we take a responsible approach to end-of-service hardware to ensure that our hardware is recycled in an environmentally sound way, and that any raw materials and potentially hazardous waste are handled with the utmost care.

To meet our goals, Akamai works with certified recyclers globally that adhere to the strict requirements of the e-Stewards Standard. Recyclers adhering to the standard are certified through annual audits that review their alignment to all international and local e-waste laws. The e-Stewards Certification is recognized by the U.S. Environmental Protection Agency (EPA) as an alternative standard to Responsible Recycling (R2).

E-Stewards Standard Guidelines for Enterprises

- **Secure data:** All stored data from all devices will be destroyed and will meet applicable destruction standards.
- **Responsible downstream management of all toxic materials:** Recyclers must track all toxic materials downstream of their facilities, account for them, and ensure proper management.
- **Legal and responsible exports:** Exports of toxic e-waste to developing countries are not allowed, in accordance with international law (Basel Convention).
- **Best recycling practices:** Managing toxic e-waste must be done in accordance with best available practices to protect workers and the environment.
- **Ethical labor:** No child, coerced, or prison labor is permitted.
- **Corporate-wide conformity:** Requires that all of the facilities and operations in each country belonging to a company are covered under the certification.

Lifecycle Management



Akamai partners with e-Stewards–certified recycling partners, such as premier partner NCS Global, to provide critical lifecycle management services (LMS) for our global operations. The LMS process is a comprehensive approach that enables Akamai to manage our hardware assets throughout their entire lifecycle, building a critical component of circularity from acquisition to disposal.

By implementing LMS across Akamai's operations, we have maximized the value of our hardware assets and increased operational efficiencies in our deployments. One of the critical benefits of LMS is the ability to reuse and redeploy hardware assets that still have a useful life. Instead of disposing of hardware that no longer has a useful life, it is repurposed across our global infrastructure whenever possible. LMS continues to be a valuable tool for Akamai, as it significantly extends the lifespan of our hardware assets.

In addition to efficiencies, implementing LMS across Akamai's operational footprint has proven beneficial in the reliability of our deployed hardware. Akamai can make more informed decisions about when to retire or replace assets by having a comprehensive view of our hardware assets through LMS. This approach helps minimize platform downtime and reduce the risk of prolonged hardware failures.

With our partners like NCS, Akamai remains steadfast in our dedication to achieving our goals of circularity. We will continue exploring innovative ways to positively impact the recycling phases of renew and reuse, and inspire others to join us in this vital mission.

Water

Water is a critical resource in Akamai's supply chain, primarily used for cooling our networking equipment deployed globally. We recognize the importance of proactively assessing and mitigating our water-related impacts and risks and taking efforts to support water conservation globally.

With the exception of our global headquarters and two Akamai-Owned Data Centers (AODCs), Akamai's operations are primarily based in colocation spaces and leased offices. Our limited control in these environments has made it challenging to collect water consumption data and implement water efficiency measures. Despite this, we have used available data to identify our water-related risk exposure and indirect impacts and implemented efficiency programs at sites within our control.

Water Stress Assessment and Supplier Engagement

To assess our water-related risks, we employ the following approach:

- **WRI Aqueduct Tool:** We use the World Resources Institute (WRI) Aqueduct tool to monitor global water stress, particularly at network deployment locations. The tool helps us identify areas of high water stress and scarcity.
- **Annual Supplier Assessments:** We assess suppliers to gather data on cooling systems and water consumption at the site level, helping us to further understand local watershed risks.
- **Adaptive Management:** Based on the annual assessment results, we adapt our water management practices in our EMS to address identified risks. Sites and vendors with high water risk are prioritized for engagement and inclusion in our ISO 14001 audit process.

Although Akamai does not have full operational control over many of our network and office locations, we remain dedicated to working with our suppliers to evaluate water risks, prioritize water stewardship, and implement effective water efficiency and conservation practices. We encourage data center and office partners to adopt advanced cooling technologies — such as air, liquid, and hybrid systems — that minimize water consumption.

Water Efficiency Programs

At sites where Akamai has operational control, we prioritize sustainability and have implemented water efficiency programs. Our headquarters in Cambridge, Massachusetts, features an integrated water management system, including rainwater harvesting, which significantly reduces withdrawal from municipal water supplies. Both of our AODCs utilize free air cooling, taking advantage of the cool local climates.

Akamai Water Incubation and Acceleration Program

Akamai believes water conservation should be considered a necessity for today's existence and a proactive effort for the future. In line with this conviction, Akamai India's CSR Trust has taken proactive measures to address this critical challenge through their Water Incubation and Acceleration Program in partnership with the International Centre for Clean Water (ICCW). This initiative aims to support innovative organizations working toward solving India's water crisis by providing them with seed funding, mentorship, and other resources to help them build scalable and repeatable business models. Since the program's launch in 2020, Akamai has supported 30+ startups as part of this initiative.

We aspire to minimize our water footprint, safeguarding local water resources, and positively impacting the communities where we operate. We strive to avoid locations facing water scarcity to prevent exacerbating existing challenges. In areas with reliable water sources, we work to minimize our impact on local supplies and promote water conservation. We will continue to manage water-related impacts and risks through our EMS, evolving our practices for water data collection and supply chain water stewardship. To learn more about Akamai's approach to water stewardship, check out our Water Stewardship Policy.

Plastics

At Akamai, we're taking steps to reduce our reliance on plastic across our value chain. This initiative is part of our broader sustainability strategy to minimize environmental impact, especially at the end of our hardware's useful life. By identifying and analyzing the points across the lifecycle where plastics are used, we are better equipped to reduce, replace, or recycle these materials.

Although the use of plastics is crucial in Akamai's server and infrastructure deployments and data center operations, we are dedicated to exploring and incorporating sustainable practices and the use of alternatives when possible. Our direct control over the use of plastics in our operations is currently limited and mainly contingent on the manufacturing processes of the hardware and devices we employ. We continue to align on reducing our environmental footprint as viable mainstream alternatives continue to emerge.

It is also essential to note that Akamai does not directly manufacture products with plastics for consumer use. All of our services are virtual, providing much less plastic for direct consumer use, specifically in the security and network device appliance space.

Scope of Engagement

Our engagement in reducing plastics use includes:

- **Supplier engagement:** We collaborate with suppliers to understand the types and quantities of plastics used in our products and packaging.
- **Product design:** We consider the use of sustainable materials during the design phase of our products, aiming to reduce reliance on single-use plastics.
- **Lifecycle analysis:** We conduct lifecycle assessments to understand the environmental impact of plastics from production to disposal and identify opportunities for improvement.

Supplier Influence

At Akamai, we actively collaborate with our suppliers to reduce plastic waste, especially single-use plastics. We have optimized the packaging for our hardware, using materials other than plastics, such as recycled cardboard for padding, to minimize plastic use while ensuring the safe transport of our servers and hardware to their destinations.

In areas where Akamai can influence the use of plastic, we are working to implement sustainable practices that reduce plastic consumption where possible. Most plastic reduction efforts pertain to the suppliers of the products we procure and how we handle e-waste at the end of a product's useful life.

Our priority to work with suppliers and recycling 100% of our e-waste at the end of its helpful life demonstrates our responsible approach to waste and plastics management. We adhere to the e-Stewards Standard, which is globally recognized as the most rigorous for e-waste recycling. This approach ensures that our e-waste is handled responsibly, focusing on protecting human health and the environment. By adhering to the e-Stewards Standard, Akamai ensures that our e-waste recycling processes, including the processes directly related to the recycling of plastics, are ethical and environmentally sound.

To learn more about Akamai's approach to plastic, check out our Plastics Policy.

Customer Engagement

As a leader of the modern internet, Akamai plays an enormous role in the climate transition. Each year, more customers look to Akamai to help steward their sustainability journey. Our industry-leading emissions reporting helps customers navigate everything from complex regulatory requirements to sustainability priorities set by their board of directors. We empower customers to tell their story with a unique level of data specificity that is unmatched in the industry. As the regulatory landscape continues to evolve, even more customers will be required to disclose their emissions in the coming years. New regulations in Europe and the U.S. have further underscored the importance of this work and highlighted the need to build capacity beyond the Akamai Corporate Sustainability team itself.

Sales Enablement Program

In preparation, Akamai is dedicating even more time and resources to scaling our sustainability program. In 2024, we kicked off a listening and learning journey to better understand how we could be the best possible partners for our customers when it comes to their environmental needs. We first met with customers and employees in EMEA to understand the contours of the conversation. We then used this feedback to launch an enablement program that will equip our Sales teams with the tools and skills to weave sustainability into every customer interaction.

With the program now launched, we look forward to continuing this journey in other regions to better understand how the conversation varies by geography. We seek to continuously improve our understanding of customer needs and meet them with thoughtful solutions and support.

Akamai Carbon Calculator

A key part of this effort is equipping our customers with the data to tell their unique sustainability stories. Many Akamai customers share our focus on reducing emissions, including those generated by their IT suppliers. That's why we created the Carbon Calculator, a tool that shows an estimated calculation of the emissions produced by an individual customer's actual use of Akamai delivery and security services.

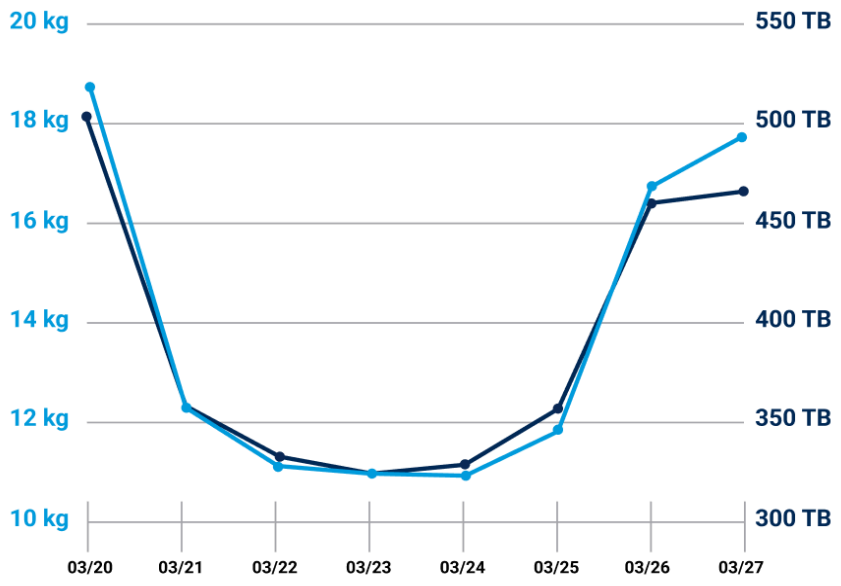
Integrated into the Akamai Control Center, the Carbon Calculator provides an estimate of the emissions associated with a specific subset of customer traffic from the past 48 hours to a period of up to 400 days. Customers can see at a glance the total bytes delivered and the calculated emissions in grams, kilograms, and metric tonnes (m tonnes) of carbon dioxide equivalency (CO_2e) for a given date range. The information reported by the calculator also provides a view of estimated emissions by country, color-coded by the volume of bytes and emissions, from low to high.

The Carbon Calculator is an innovative tool designed to keep Akamai customers informed and engaged on the issue of emissions reduction, reflecting our ongoing focus on sustainability.

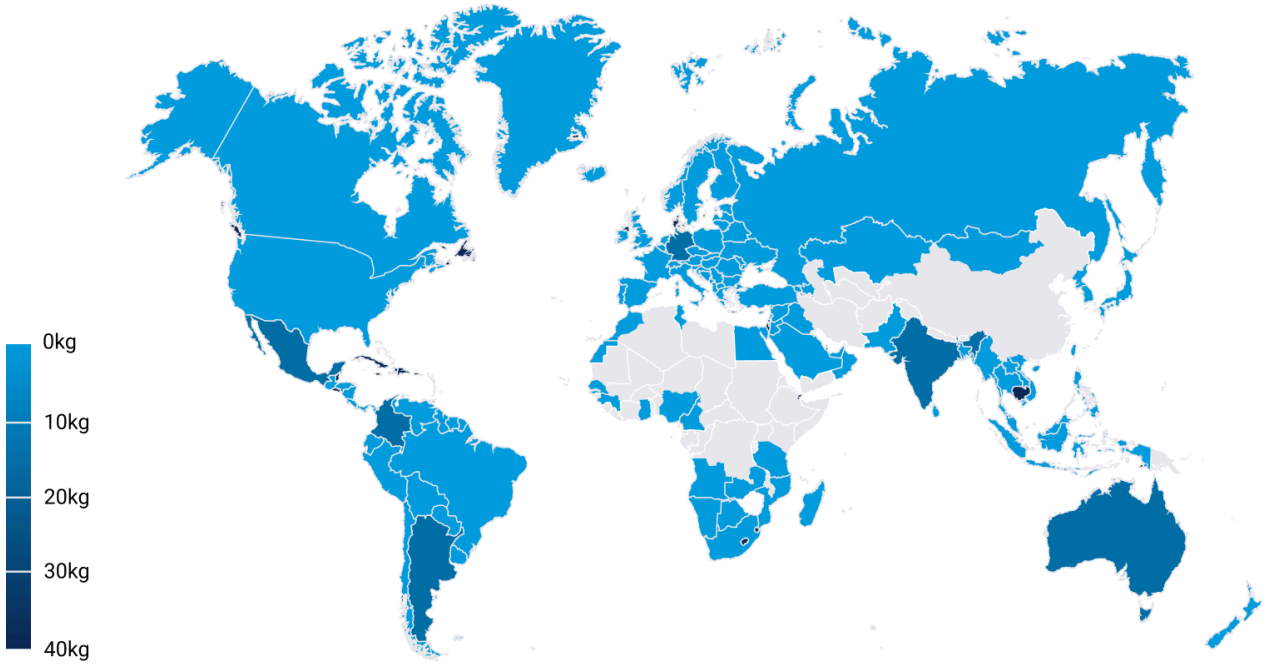
Calculated Emissions and Edge Bytes

Total Calculated Emissions
108.84 Kilograms

Total Edge Bytes
3.15 Petabytes



Calculated Emissions by Geography



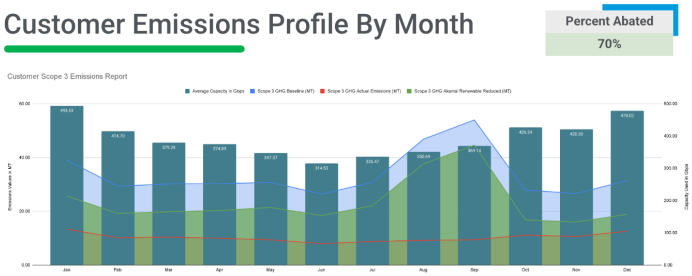
Future Akamai Carbon Calculator

In partnership with the Akamai Data Experience and Analytics team, we are developing a more advanced carbon emissions calculator tool that functions across our global platform. With our in-depth approach to emissions measurement coupled with our industry-leading analytics expertise, we are working to bring a more customized way for customers to understand their impact on our platform.

At Akamai, we understand emissions impact is a growing concern for individuals and businesses alike. That is why our engineers are creating a solution that considers each customer's specific data needs as opposed to building a one-size-fits-all tool. We aim to work on these new and improved features to ensure our customers receive accurate and detailed information about their impact, using our platform. With our advanced measurement approach and more user-focused strategy, our carbon emissions calculator will be a practical tool for customers who seek to understand and ultimately reduce their carbon footprint related to their use of our global platform.

Custom Emissions Reporting

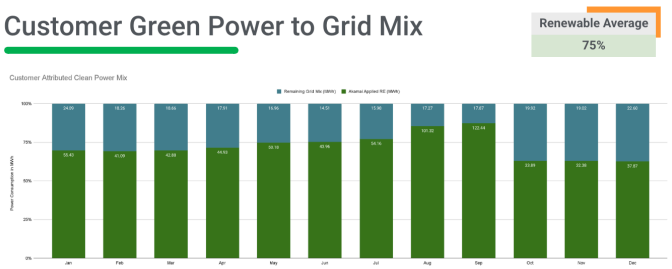
As we continue to refine and expand our data and reporting capabilities, we are proud to offer a unique solution that provides our customers with unparalleled insights into their environmental impact.



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Scope 3 GHG Baseline (MT)	39.01	29.30	30.18	30.21	30.75	26.37	30.79	46.79	53.95	27.87	26.59	31.42	**403.23**
Scope 3 GHG Actual Emissions (MT)	13.32	10.12	10.36	9.94	9.34	7.97	8.73	9.17	9.37	11.10	10.60	12.59	**122.61**
Scope 3 GHG Akamai Renewable Reduced (MT)	25.69	19.17	19.82	20.27	21.41	18.41	22.06	37.62	44.58	16.77	15.99	18.83	**280.62**

Our custom emissions reporting, available upon request, delivers the most comprehensive and detailed view of each customer's carbon footprint, spanning both edge and non-edge services across our security and delivery platforms.

These tailored reports provide unique visibility into critical metrics such as power consumption, the proportion of the renewable energy mix powering their services, and the resulting emissions footprint. Additionally, the data is broken down by country and subservice, offering granular insights that empower our customers to make more informed decisions regarding their sustainability efforts and emissions reduction strategies.



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Akamai Applied RE (MWh)	55.43	41.09	42.88	44.93	50.18	43.96	54.16	101.32	122.44	33.89	32.38	37.87	**660.53**
Remaining Grid Mix (MWh)	24.09	18.26	18.66	17.91	16.96	14.51	15.98	17.27	17.87	19.92	19.02	22.60	**224.00**
Customer Baseline (MWh)	79.52	59.36	61.55	62.85	67.13	58.47	70.14	118.60	140.31	53.81	51.40	60.47	**883.59**

By delivering these reports, we not only support our customers in better understanding their operational emissions but also enable them to integrate these insights into their own sustainability reporting. This capability is particularly valuable for businesses navigating increasingly stringent environmental regulations and stakeholder expectations.

We view these custom reports as a critical tool for bridging the gap between today's emissions data limitations and the more robust, real-time reporting we are working toward. Through this initiative, we aim to strengthen partnerships with our customers, supporting them in their sustainability journeys while advancing our shared goal of a lower-carbon future.

Community Engagement

At Akamai, we recognize that businesses are responsible for working with their local communities and addressing the environmental impact of their operations. We realize that our business operations impact the environment and that our responsibility is to work toward a more sustainable future. Over

the past year, we have continued to invest in initiatives to reduce our environmental impact by working with our partners across the globe.

Our Work with Partners

The sustainability team is always seeking ways to reduce Akamai's energy consumption and in turn, help lower our carbon footprint. We have implemented various energy-saving initiatives, such as working with our partners on more efficient data center cooling systems and optimizing our deployment configurations. This work has resulted in emissions reductions, reducing our impact on the grid, and thereby lowering our impact on our local communities where we operate and live. As a member of the global community, we are aspiring to do our part to create a more sustainable future. We will continue to invest in initiatives to reduce our environmental impact and work with our local communities to promote sustainability.

Event Highlights

The Akamai Sustainability team actively participates in global conferences to create awareness, share knowledge, and foster collaboration to help build a sustainable future for all. The team is involved in positively impacting the environment and society through sustainable business practices and innovative solutions. By attending these conferences, the team gains a deeper understanding of the challenges and opportunities in sustainability, and works toward finding ways to address them. Through these events each year, we work hard to be at the forefront of driving change toward a more sustainable future.

GreenBiz 24: Akamai continued the tradition of joining in on the critical discussions at GreenBiz in 2024. The GreenBiz conference brings together business leaders, sustainability experts, and other stakeholders to discuss the latest trends, challenges, and opportunities in sustainable business practices. The topics covered at the conference included renewable energy, circular economy, sustainable supply chains, and climate change. This conference is considered one of the premier events in the sustainability field and attracts attendees worldwide.

CEBA Connect 2024: Akamai participated in multiple Clean Energy Buyers Alliance (CEBA) Connect panels, including "Data Centers and Sustainability: What's the Latest?" and "Innovating for Cleaner Supply Chains: The Role of Supply Chain Activators." CEBA Connect is an annual conference that brings corporate renewable energy buyers, developers, and service providers to discuss the latest trends, challenges, and opportunities in the clean energy industry. The conference features keynote speakers, panel discussions, and workshops on renewable energy procurement, energy storage, carbon accounting, and sustainability reporting. CEBA Connect aims to provide attendees with the knowledge and tools to accelerate the transition to a clean energy future.

New York City Climate Week: During New York City Climate Week 2024, Akamai participated in a variety of events, including several events sponsored by RMI, CEBA, the Clean Energy Demand Initiative, Ceres, and The Climate Pledge. New York City Climate Week is an annual event that brings together leaders from various sectors to discuss and showcase solutions to climate change. The event features a series of conferences, exhibitions, and seminars focusing on renewable energy, sustainable transportation, and climate finance topics. Climate Week aims to raise awareness about the urgent need to address climate change and inspire action toward a more sustainable future.

VERGE 2024: During VERGE 2024, Akamai participated in panel discussions titled "Putting Impacts First: Building a Comprehensive Clean Energy Procurement Strategy" and "In the Trenches: Success Stories from the Front Lines of Clean Energy Procurement." VERGE is an annual conference that brings together business leaders, sustainability experts, and other stakeholders to discuss the latest trends, challenges, and opportunities in sustainable business practices. The conference features keynote speakers, panel discussions, and workshops on renewable energy, circular economy, sustainable supply chains, and climate change. The event aims to inspire and equip attendees with the knowledge and tools they need to drive positive change in their organizations and communities.

IBC 2024
IBC is an annual trade show that brings together the global media, entertainment, and technology community to connect, showcase, and discover innovations; tackle pressing industry challenges; and explore new opportunities. This year's conference addressed critical trends and issues driving change across the media landscape, including sustainability.

CEBA Level 2 Boot Camp
In 2024, Akamai hosted the first-ever CEBA Energy Customer Level 2 Boot Camp at its global headquarters in Cambridge, Massachusetts. This advanced, two-day session was designed to help fellow members navigate the current energy market conditions and optimize their VPPA (virtual power purchase agreement) contracts. This event brought together attendees in decarbonization roles along with industry experts to explore strategies for negotiating, finalizing, and maximizing the impact of VPPAs in today's constrained market. Not only was this the first time a level 2 boot camp has been offered by CEBA, but the first time a CEBA event has been hosted by Akamai.

Sustainability Advocacy

Akamai has actively advocated for public policies that align with our long-term sustainability goals and corporate values, particularly those aimed at clean energy, grid reliability, and climate accountability. As

the company that powers and protects life online, Akamai recognizes that well-structured policies can support our operational sustainability and foster a favorable business environment that encourages broader economic growth and environmental stewardship. This engagement directly supports Akamai's 2030 goals of achieving 100% renewable energy, reducing carbon emissions to net zero, and promoting circular economy practices across our facilities and data centers.

Strategic Importance of Public Policy in Akamai's Sustainability Framework

Through our efforts, Akamai demonstrates a proactive approach to public policy engagement that directly supports our sustainability goals by:

- **Enhancing Renewable Energy Access:** Policies supporting renewable energy deployment directly enable Akamai's 100% renewable energy goal.
- **Reducing Carbon Emissions:** Participation in the Regional Greenhouse Gas Initiative (RGGI) and supporting energy efficiency legislation aligns with Akamai's targets for emissions reduction.
- **Strengthening Grid Reliability:** By promoting grid modernization and reliability standards, Akamai helps ensure a resilient energy infrastructure, essential for sustainable operations.
- **Economic and Community Development:** Advocacy for inclusivity in workforce development and climate technology investments underlines Akamai's dedication to social responsibility and sustainable development for all.

Akamai's robust support for clean energy policy signifies our belief that effective public policy is crucial for meeting our global climate goals and achieving a sustainable business model that benefits both the environment and the economy.

Key Legislative Actions Supported by Akamai in 2024

Massachusetts Climate and Economic Development Package

Akamai joined a coalition of businesses to support Massachusetts' H.4459, the "Mass Leads Act," advocating for strategic investments in climate tech and clean energy industries within the state. This act aims to position Massachusetts as a global hub for climate tech, aligning with Akamai's goal to drive a clean energy transition and stimulate job creation. Akamai endorsed key components, including:

- **Investment in MassCEC:** Funding for the Massachusetts Clean Energy Center to strengthen its role in supporting innovation and workforce development in the green economy.
- **Green Workforce Development:** Programs to grow a skilled workforce for decarbonization, focusing on inclusive training that reaches marginalized communities disproportionately impacted by climate change.

California's Climate Disclosure Legislation (SB 253 and SB 261)

Akamai supported full funding for California's climate disclosure mandates, SB 253 and SB 261, to ensure timely implementation of corporate climate accountability. The alignment of California's standards with frameworks like the TCFD and current GHGP mirrors Akamai's focus on transparent, standardized and impactful emissions reporting. As part of a coalition, Akamai emphasized that these

laws will provide reliable climate-related risk data, helping companies, investors, and the public make informed decisions.

Virginia's Participation in the Regional Greenhouse Gas Initiative (RGGI)

Akamai backed Virginia's continued participation in the RGGI, a regional cap-and-trade program. The RGGI has brought more than $820 million to Virginia, used to fund energy efficiency projects and flood resilience. Akamai's advocacy underscores the role of market-based solutions in reducing carbon pollution, supporting our long-term aspiration of a low-carbon economy.

Support for Grid Reliability in California (AB 2368)

California's AB 2368 focuses on improving grid reliability, especially critical as the state faces power shortages due to extreme weather. Akamai's support for this legislation reflects our need for a stable energy grid to achieve net-zero goals, reduce dependence on fossil fuels, and maintain sustainable business operations. AB 2368's framework aligns with Akamai's focus on building a resilient infrastructure that can adapt to climate impacts.

Southeast Grid Modernization and Economic Growth Initiatives

Akamai joined other energy customers in the Southeast to advocate for grid modernization policies across North Carolina, South Carolina, and Georgia. The recommendations include leveraging federal incentives for clean energy deployment, updating transmission lines, and supporting voluntary investments in renewables. Akamai's involvement emphasizes our dedication to grid modernization as a necessary step toward achieving energy efficiency and meeting the growing electricity demand while supporting the low-carbon transition.

Virginia SAVE Act for Energy Efficiency

In Virginia, Akamai supported the Savings Achieved Via Efficiency (SAVE) Act to establish binding energy efficiency standards. This act is expected to help large energy consumers, like Akamai, lower operational costs, increase resilience, and reduce carbon emissions through utility-driven efficiency programs. The act aligns with Akamai's sustainability framework, driving resource efficiency and cost savings as the company advances our sustainability goals.

Virginia Legislative Briefing at AES Spotsylvania Solar

In August 2024, Akamai co-hosted a site visit to the AES Spotsylvania Solar facility in Virginia, the largest solar project east of the Rockies. This event provided policymakers, businesses, and local chambers with an in-depth look at the facility's operations, including its active substation, integrated sheep grazing for vegetation management, and the expansive Highlander solar array. The visit facilitated discussions on the benefits of renewable energy deployment in the Commonwealth and strategies to attract new economic opportunities across Virginia.

Akamai's involvement in this initiative underscores our goal to advancing renewable energy and engaging with stakeholders to promote sustainable practices. By showcasing the practical applications and economic advantages of large-scale solar projects, Akamai aims to inspire policy decisions that align with our 2030 sustainability goals, including achieving 100% renewable energy usage and reducing carbon emissions. This engagement reflects Akamai's dedication to fostering collaborative efforts that drive the transition to a low-carbon economy.

Pennsylvania Renewable Energy and Sustainability Support (PRESS) Legislation

Akamai joined other businesses in supporting Pennsylvania's PRESS legislation, which aims to advance clean energy, foster sustainability, and drive economic growth in the state. This legislation aligns with Akamai's goals of achieving 100% renewable energy and reducing emissions by 2030. Key elements Akamai endorses include:

- **Clean Energy Infrastructure:** PRESS will fund renewable energy projects, making Pennsylvania a regional leader in clean energy and reducing dependence on fossil fuels.
- **Sustainability Innovation Hub:** PRESS proposes a hub to bring together businesses, universities, and government to drive sustainability innovation — an initiative aligned with Akamai's focus on collaborative, climate-focused solutions.
- **Workforce Development:** PRESS will support training programs to build a skilled workforce in renewable energy, with a focus on including marginalized communities.
- **Corporate Renewable Energy Incentives:** The legislation offers incentives for companies to adopt renewable energy, helping businesses lower operational emissions and supporting sustainable growth.

As we look toward 2030, Akamai's strategic partnerships and policy endorsements reinforce our goals to not only adapt to but also shape a sustainable future.

Clean Energy Demand Initiative

The Clean Energy Demand Initiative (CEDI) is a collaborative platform established by the U.S. Department of State to unite corporations and countries in advancing clean energy goals. Launched during COP26, CEDI facilitates partnerships where companies express demand for renewable energy, and countries develop policies to attract clean energy investments. This initiative aims to accelerate the global transition to a low-carbon economy by leveraging corporate priorities to drive the deployment of clean energy infrastructure.

Akamai engaged with CEBA and CEDI in a series of strategic meetings with delegations from Japan, Vietnam, India, and Indonesia. These discussions aimed to advance clean energy policies and programs, fostering collaboration between corporate energy buyers and national governments to accelerate the transition to renewable energy sources.

International Policy Engagements During 2024

- **Japan:** During Climate Week NYC 2024, Akamai participated in a roundtable meeting with Japanese officials to discuss enhancing the country's renewable energy infrastructure. The dialogue focused on policy frameworks that support corporate clean energy procurement, with the goal of attracting significant investment from multinational companies that prioritize sustainability.
- **Vietnam:** During 2024, Akamai engaged with CEBA and CEDI representatives to meet with Vietnamese officials to discuss enhancing the country's renewable energy infrastructure.

Similarly to Japan, The dialogue focused on policy frameworks that support corporate clean energy procurement, with the goal of attracting significant investment from multinational companies that prioritize sustainability.

- **India:** During Climate Week NYC 2024, Akamai participated in a roundtable with Indian delegates, with an emphasis on scaling up renewable energy projects to meet the country's ambitious climate goals. Discussions included strategies for streamlining regulatory processes and creating incentives for private sector participation in the clean energy sector.
- **Indonesia:** In 2024, Akamai engaged through CEDI with Indonesian officials, centered on overcoming barriers to renewable energy adoption. The parties explored opportunities for public-private partnerships to develop sustainable energy projects, leveraging corporate demand to drive policy reforms and infrastructure development.

Role of CEDI

The U.S. Department of State, through CEDI, plays a pivotal role in facilitating these collaborations. By bringing together corporate energy buyers and national governments, CEDI aims to create enabling environments for clean energy investments. This approach not only supports the renewable energy goals of corporations but also assists countries in achieving their climate objectives by attracting private sector investment and expertise.

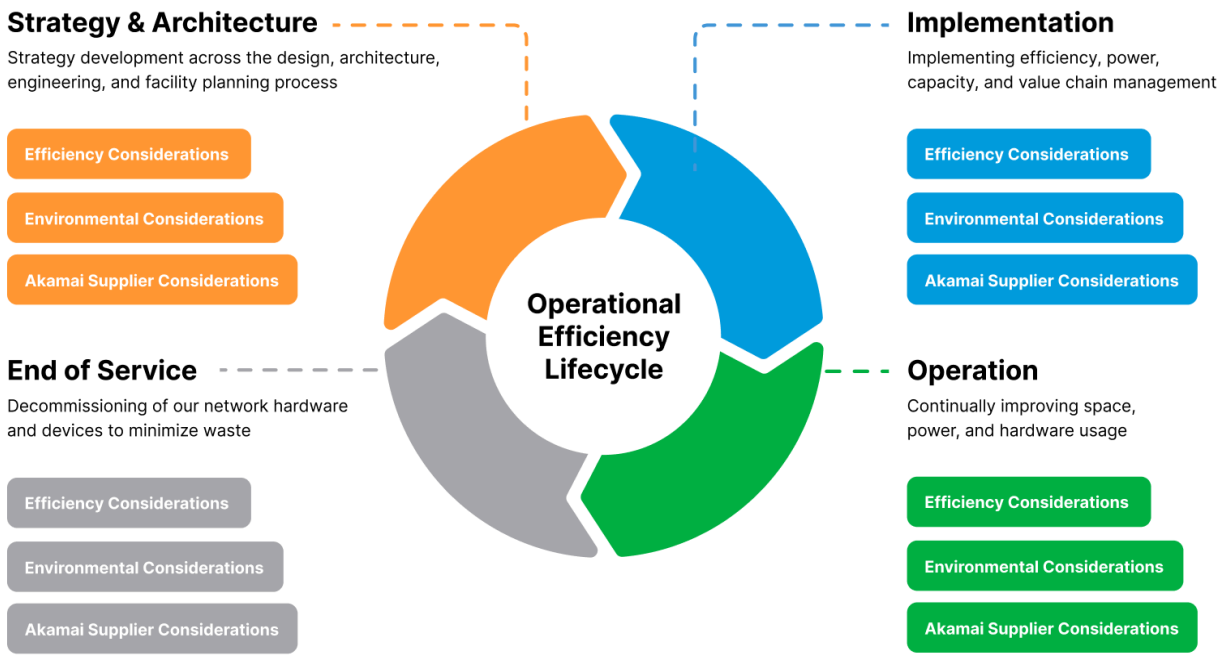
These engagements underscore the importance of international cooperation in advancing clean energy initiatives. By aligning corporate sustainability goals with national policy frameworks, such collaborations aim to accelerate the global transition to a low-carbon economy.

Advancing Our Sustainability Priorities

Our Environmental Management System

Our global environmental management system (EMS) reflects our unwavering focus on excellence and continuous improvement in our sustainability program. Serving as the backbone of our environmental strategy, the EMS integrates our sustainability goals with a comprehensive approach to managing environmental impacts and risks, addressing stakeholder needs, enabling transparent measurement and reporting, guiding leadership and governance, promoting operational best practices, identifying opportunities for improvement, and driving sustainability projects and programs.

Our EMS has been independently verified as compliant with the ISO 14001:2015 standard. To meet and exceed the standard's requirements, we have developed robust internal systems for tracking, monitoring, measuring, and reporting, tailored to Akamai's unique operations and designed to support the continuous evolution of our EMS. These tools empower teams across the company to collaboratively drive progress toward environmental objectives while delivering transparency and actionable insights into the company's environmental performance.



The scope of our EMS covers environmental management of Akamai's operational efficiency lifecycle, including strategy & architecture, implementation, operational improvement, and end of service — across data center and office facilities, physical hardware, software, network, capacity, and value chain contributing to greenhouse gas emissions output across scope 1, 2, and 3. This includes areas beyond our direct operational control and encompasses all of Akamai's global activities across our value chain.

Developing our EMS in compliance with ISO 14001 was a complex endeavor. Although the ISO standard is designed for application by any organization, we encountered unique challenges given our focus on building, delivering, and securing digital experiences rather than physical goods. To overcome these challenges and build an efficient EMS, we leveraged creativity and innovation to create a system that comprehensively addresses our environmental impact.

The independent audit process for attestation involved thorough evaluations of our EMS processes and site audits to verify EMS effectiveness from our headquarters to the edge. This multiyear effort led to significant improvements and culminated in our initial statement of attestation in 2024. Going forward, we will continue to undergo an annual independent audit process to maintain our ISO 14001 compliance and attestation. Within the framework of the ISO 14001 standard and the ongoing compliance audit process, we continue to challenge the status quo, using pioneering approaches to uncover and address continuous improvement opportunities across the full scope of our EMS.

Akamai ISO 14001 Attestation Statement 2024–2025[4]

Our work doesn't end here. Building a robust EMS is challenging but necessary to pursue our goals rigorously. We are prioritizing the continual improvement of our EMS and reducing our environmental footprint across our global platform. We actively seek opportunities to collaborate with internal and

[4] Given that our operations reside primarily in colocation spaces that we do not own, we were encouraged by our verification provider to pursue ISO 14001 group attestation rather than certification. The certification process is stringent, while group attestation allowed us to cover the entirety of our operations within the scope of our EMS, rather than only our limited owned and directly controlled physical footprint.

external partners to empower sustainable improvements and deliver on Akamai's sustainability mission of harnessing the power of our global platform to create a sustainable and equitable future for the world.

Sustainability Training

As sustainability becomes an even bigger part of the global conversation, we have prioritized listening to and learning from our customers and employees to better understand how we can support them on this journey. We spent 2024 collecting an initial round of feedback, and used that information to build and launch two training modules to empower Akamai employees to drive sustainability deeper into the business in 2025 and beyond.

Sustainability Essentials

This module grounds the learner in foundational sustainability concepts and empowers them to engage directly in Akamai's sustainability work. Communicating Akamai's sustainability strategy in a way that is clear, approachable, and directly connected to our everyday lives allows us to meet our colleagues where they are. The module invites all employees to participate in Akamai's climate journey by submitting continuous improvement ideas, reporting nonconformities, and raising awareness. This training is required annually for all employees and is a vital part of maintaining our ISO 14001 attestation.

Sustainability Stewardship

This voluntary companion module builds on the Essentials course and was developed in collaboration with sustainability champions within the Sales organization. It empowers Akamai Sales teams to bring customers deeper into the discussion by providing the tools and structure to lead sustainability conversations at every stage of the sales cycle. Learners are encouraged to discover their customers' unique needs and challenges with regard to their sustainability journey, and meet them where they are with tailored data and guidance.

Climate Governance

Akamai has aligned on maintaining strong climate governance structures that ensure accountability, drive sustainability initiatives, and align with global best practices. A key element of this governance

approach has been focused on adhering to the recommendations of the TCFD, which has served as a foundation for our climate-related reporting and risk management strategies. With the announcement in 2023 that the TCFD would be evolving into the IFRS S1 and S2 standards, we are actively planning for the future.

Integrating the ISSB Disclosure

Akamai recognizes the recent shift toward the International Sustainability Standards Board (ISSB) disclosures, specifically IFRS S1 and S2. These standards, building on TCFD's foundational principles, represent a new benchmark for corporate sustainability reporting that we are preparing to adopt in the future.

As we plan our transition from TCFD to the IFRS standards, this signifies Akamai's readiness to adapt to evolving best practices in climate and sustainability governance. By supporting an ISSB-aligned disclosure, Akamai will continue to uphold transparency and accountability, leveraging the comprehensive guidance of IFRS S1 and S2 to enhance our climate and sustainability reporting. This shift aligns with Akamai's dedication to responsible corporate governance and underscores our focus on building a resilient, sustainable future for our business and stakeholders.

Akamai's Governance and Transparency Efforts

The TCFD framework has provided a structured approach for companies to disclose climate-related risks and opportunities, covering governance, strategy, risk management, and metrics. Akamai aligned with TCFD to strengthen our climate governance in several ways, and we feel this will be translatable to the IFRS S1 and S2 when we transition.

Transparency in Climate-Related Risk and Strategy

Adopting TCFD standards allows Akamai to transparently communicate how we assess and manage climate-related risks, enhancing trust among stakeholders. By disclosing both physical risks (e.g., extreme weather events affecting infrastructure) and transitional risks (e.g., policy shifts toward lower carbon), Akamai demonstrates how climate considerations are embedded in our long-term strategic planning and operational resilience.

Accountability Through Defined Governance Structure

Under TCFD guidance, Akamai has established clear oversight responsibilities within our board and executive leadership for climate-related decisions. Regular reviews ensure that climate considerations are integrated into overall business risk assessments, and specific accountability channels are set up to monitor progress against our climate goals. This governance structure also enables Akamai to identify emerging risks and respond proactively, further reinforcing our dedication to responsible corporate governance.

Enhancing Investor Confidence and Meeting Regulatory Expectations

With growing global regulatory interest in climate-related disclosures, TCFD compliance positions Akamai favorably in both U.S. and international markets. Investors increasingly seek robust climate governance as a marker of a sustainable, future-focused company. By aligning with TCFD, Akamai not only meets investor expectations but also anticipates forthcoming regulatory requirements, including the EU Corporate Sustainability Reporting Directive (CSRD) and similar U.S. and global mandates.

Driving Long-Term Value and Stakeholder Trust

Transparent climate governance is integral to sustaining long-term value. Through our TCFD-compliant disclosures, Akamai continues to reinforce our priority to address climate change responsibly, which resonates with customers, employees, and communities. By proactively addressing climate risks and reporting progress in line with TCFD, it has helped Akamai to foster stakeholder trust, which we believe is crucial for ongoing business resilience and success.

Continuous Improvement

The TCFD framework is a strategic tool that has enabled Akamai to continually assess and enhance our climate governance. As Akamai prepares for the IFRS S1 and S2 transition, we reaffirm our alignment with the latest global standards, supporting our mission of robust climate governance and transparency. This evolution reflects our leadership in sustainability and readiness to meet the changing needs of investors, regulators, and the global community.

Forging a Path Toward a Sustainable Future

Akamai's sustainability strategy is rooted in innovation, collaboration, and accountability, serving as the foundation of our efforts to address the critical challenges of today while preparing for a sustainable future. As we advance on our journey toward achieving net-zero emissions, 100% renewable energy, and embracing circular economy principles, we remain steadfast in our dedication to environmental stewardship and social responsibility.

Our progress in 2024 underscored Akamai's ability to navigate complex sustainability challenges while seizing opportunities for growth and resilience. By prioritizing sustainability across our global operations, supply chain, and community engagements, we are ensuring that our business not only mitigates its environmental impact but also contributes positively to the broader effort of creating a more equitable and sustainable world.

Looking forward, Akamai continues to align our business practices with these principles, ensuring that our efforts are both comprehensive and forward-thinking. Through the strength of our partnerships and ongoing innovation, we are positioned to meet the evolving needs of our customers, communities, and the planet. In doing so, we are fostering a more resilient, sustainable future — one that balances environmental and economic priorities for the benefit of all stakeholders.

Industry Recognition and Disclosure

Akamai is recognized by top partners, NGOs, and environmental organizations globally for our sustainability and ESG program.

CDP DISCLOSURE INSIGHT ACTION

SASB STANDARDS Now part of IFRS Foundation

S&P Global

TCFD

JUST capital

GLASS LEWIS

MSCI

ISS ESG

ecovadis Business Sustainability Ratings

GRI

SUSTAINALYTICS a Morningstar company

IFRS Sustainability

COMMITTED TO SUSTAINABILITY dpp

Member of Dow Jones Sustainability Indices Powered by the S&P Global CSA

FTSE4Good

Partnership

Working with trusted organizations is essential for us to reach our 2030 sustainability goals and make a positive change globally. We are proud to be part of organizations that are working with a shared mission — to create a sustainable and equitable future for the world.

Disclaimer

The contents of this site and linked reports were developed based on feedback from our internal and external stakeholders, and metrics used by corporate responsibility and sustainability rating providers. The metrics and quantitative data contained in this report are not based on generally accepted accounting principles and may not have been externally audited. Neither Akamai Technologies, Inc. (the "Company") nor its affiliates assume any responsibility or obligation to update or revise any such information, data, opinions, or activities. This site and linked reports do not, and are not intended to, create any relationship, rights, or obligations, legal or otherwise, and you should not rely upon this site or linked reports to do so.

The inclusion of information and data on this site or in the linked reports does not indicate that such information or data, or the subject matter of such information or data, is material to the Company for purposes of applicable securities laws or otherwise.

Our goals regarding our corporate sustainability initiatives are aspirations. They are not guarantees or promises that we will meet all or any of our goals. Any statistics and metrics regarding our corporate responsibility and ESG activities are estimates and may be based on assumptions or ongoing developing standards.

No part of this site or the linked reports constitutes, or shall be taken to constitute, an offer to sell, or the solicitation of an offer to buy, any securities of the Company or any other entity. This report is not intended to be relied upon as advice to investors or potential investors, and does not take into account the investment objectives, tax considerations, or financial situation or needs of any investor. This site, and the information contained in this site and the linked reports, are not incorporated by reference into, and are not a part of any offer to sell, or solicitation of an offer to buy, any securities of the Company pursuant to any offering registered under or any offering exempt from the Securities Act of 1933.

Legal notices for EMEA countries

Key Metrics Addendum

Akamai's reporting covers the period January 1 to December 31 of each year, unless stated otherwise. The information disclosed in our reporting covers the entire scope of Akamai's business activities, including all subordinate entities and subsidiaries, which also includes acquired subsidiary undertakings, as soon as the appropriate processes and systems are implemented, to enable consistent data collation and Akamai group level consolidation.

This data is as of December 31, 2024. Energy and emissions values have been verified by an external independent auditor as of June 11, 2025. For more information please also see our environmental metrics assurance statement.

GHG Emissions	Total	Unit
Emissions Inventory		
Gross Scope 1 emissions	45	t CO_2e
Gross Scope 2 (location-based) emissions	262,401	t CO_2e
Gross Scope 2 (market-based) emissions	121,001	t CO_2e
Gross Scope 3 emissions	174,340	t CO_2e
Gross Scope 3, Category 1: Purchased goods and services emissions	41,100	t CO_2e
Gross Scope 3, Category 2: Capital goods emissions	33,900	t CO_2e
Gross Scope 3, Category 3: Fuel and energy-related activities emissions	21,200	t CO_2e
Gross Scope 3, Category 4: Upstream transportation and distribution emissions	8,800	t CO_2e
Gross Scope 3, Category 5: Waste generated in operations emissions	40	t CO_2e
Gross Scope 3, Category 6: Business travel emissions	10,500	t CO_2e
Gross Scope 3, Category 7: Employee commuting and teleworking (including electricity T&D losses) emissions	13,700	t CO_2e
Gross Scope 3, Category 8: Upstream leased assets emissions	45,100	t CO_2e
Gross GHG emissions (Scopes 1 + 2 + 3)	295,386	t CO_2e
Emissions Intensity		
Scope 1 and 2 emissions intensity per unit of revenue	0.00003	t CO_2e / revenue
Akamai Cloud emissions intensity per unit of capacity	0.11	t CO_2e / Gbps
Akamai Cloud emissions intensity per unit of energy consumed	0.18	t CO_2e / MWh
Emissions impact activities		
Akamai-caused renewables (VPPAs, direct-supplier electricity contracts)	53,719	t CO_2e
Clean energy from data center suppliers	114,405	t CO_2e

E-waste recycling	722	t CO_2e
Climate vault allowances	400	t CO_2e
Emissions reduction targets		
Reduce 100% of our combined Scope 1, 2 (market-based), and 3 (Category 3 and 8) absolute emissions (compared with our base year) by 2030	24.90	% reduction since base year
Reduce 100% of our combined Scope 1, 2 (market-based), and 3 absolute emissions (compared with our base year) by 2040	35.16	% reduction since base year

Energy	Total	Unit
Energy Consumption		
Electricity	873,400	MWh
Natural gas	10,300	MWh
Fuel	13	MWh
Total energy consumed (fuel + natural gas + power)	883,713	MWh
Akamai-caused renewables (VPPAs, direct-supplier electricity contracts)	163,700	MWh
Clean energy from data center suppliers	355,700	MWh
Total renewable energy consumed (Akamai-caused + data center provided)	519,400	MWh
Total non-renewable energy consumed (fuel + natural gas + power)	364,313	MWh
Energy Intensity		
Energy intensity per unit of revenue	0.00022	MWh / revenue
Akamai Cloud energy intensity per unit of capacity	0.87	MWh / Gbps
Average data center power usage effectiveness (PUE)	1.4	PUE
Clean Energy Targets		
Power Akamai's global operations with 100% clean power by 2030	59	% clean energy use

Water	Total	Unit
Water Inventory		
Estimated water withdrawal	35	ML
Estimated water discharge	14	ML

Estimated water consumption	885	ML

Waste	Total	Unit
Generation		
Estimated office and AODC waste generated	124	t
E-waste generated	383	t
Total waste generated	507	t
Diversion		
E-waste recycled	383	t
Estimated office and AODC waste recycled	31	t
Estimated office and AODC waste composted	19	t
Estimated total waste diverted (office + AODC + e-waste)	433	t
Disposal		
Estimated office and AODC waste disposed	74	t
E-waste disposed	0	t
Estimated total waste disposed (office + AODC + e-waste)	74	t
E-waste recycling targets		
Divert 100% of Akamai's global electronic waste through reuse and recycling by 2030	100	% diversion of e-waste

Environmental management system	Total	Unit
Coverage		
Percentage of company activities covered by an external EMS certification (ISO 14001)	100	% of activity coverage

Clean energy portfolio impacts	Total	Unit
Public health, ecosystem, and economic impacts		
Years of life saved	208	disability-adjusted life year
Species saved	0.41	potentially disappeared fraction of species
Economy-wide savings	54	$MM
Avoided emissions to air		
Particulate matter	98	t PM2.5-Eq
Human toxicity (cancerous)	7,346	t 1,4-DCB-Eq

Human toxicity (noncancerous)	57,496	t 1,4-DCB-Eq
Photochemical oxidants (public health)	115	t NOx-Eq
Photochemical oxidants (ecosystems)	126	t NOx-Eq
Ionizing radiation	1,336	MBq Co-60-Eq
Ozone depletion	0.026	t CFC-11-Eq
Avoided emissions to water		
Freshwater ecotoxicity	1,263	t 1,4-DCB-Eq
Marine ecotoxicity	1,773	t 1,4-DCB-Eq
Freshwater eutrophication	36	t P-Eq
Marine eutrophication	2.45	t N-Eq
Avoided emissions to soil		
Terrestrial acidification	177	t SO2-Eq
Terrestrial ecotoxicity	22,414	t 1,4-DCB-Eq
Avoided resource use		
Land saved by reduced fuel extraction	504,731	annual*m^2 crop-Eq
Water depletion	357,197	Cubic meters
Energy resources: Nonrenewable, fossil	35,794	t oil-Eq
Material resources: Metals/minerals	591	t Cu-Eq

See additional information regarding our metrics at akamaisustainability.com.