2020
Sustainability Report
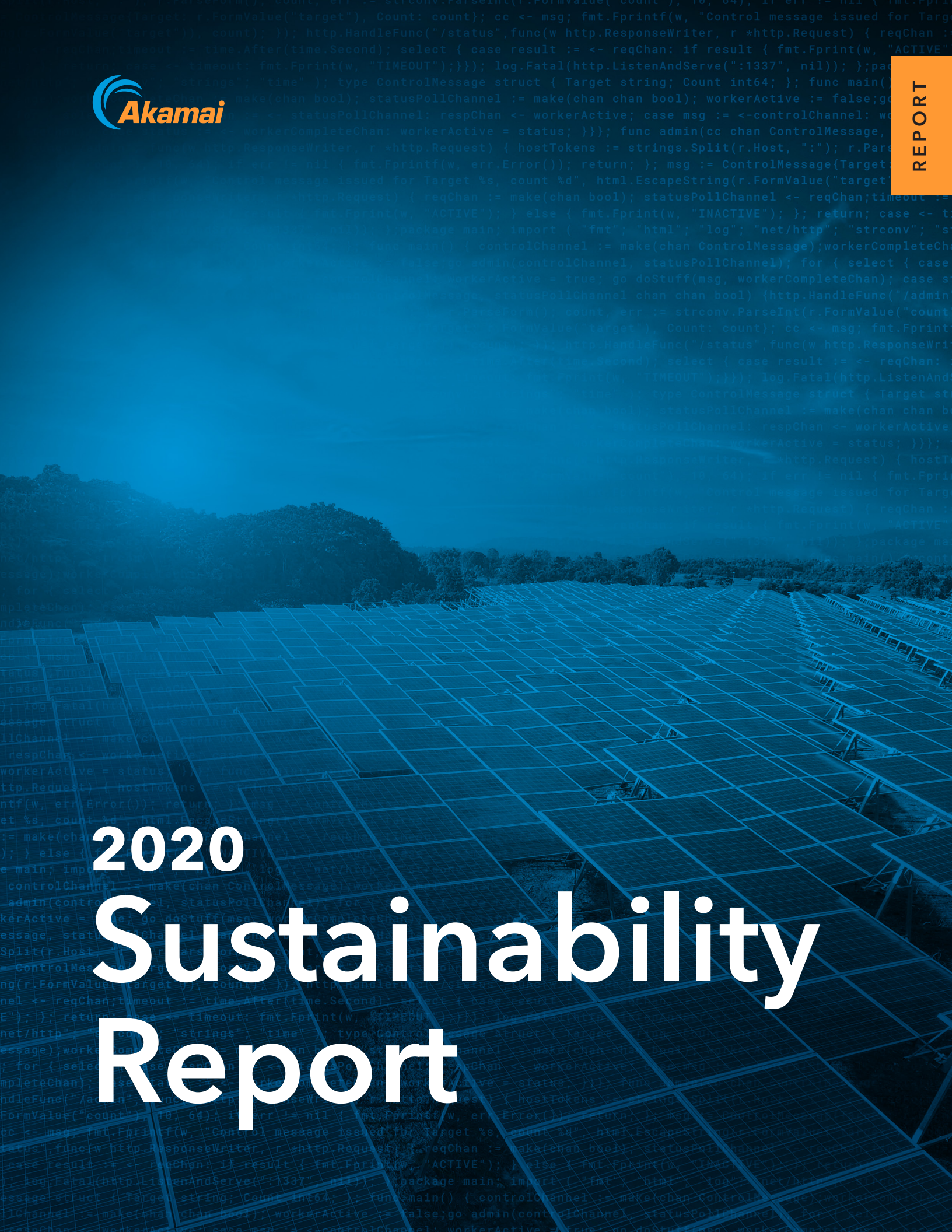
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Sustainability Report 2020: Letter from the CEO

At Akamai, sustainability is a significant component of our Environmental, Social, Governance (ESG) program, closely coupled with Diversity & Inclusion in our workplace environment and social investments made by our philanthropy, the Akamai Foundation.

2020 marked an important milestone in our sustainability journey through continued platform efficiencies, expansion of our renewable energy footprint, and developing our responsible supply chain program. As we reflect on our work, we are now looking to the next decade. Our sustainability program will focus on three primary areas: our network, community, and supply chain.

While everyone worked to address the global COVID-19 health crisis and its economic impacts, Akamai was there to provide support when our customers, stakeholders, and planet needed it the most. Remarkably, the volume of internet traffic the Akamai Intelligent Edge Platform delivered in the months immediately following the coronavirus pandemic nearly doubled over the previous year. Even with this growth, we continued our strategy to make our global platform more efficient while adding more renewable energy sources to power our operations. It was critical to keep our customers going in this time of need while ensuring we kept the pace to minimize our greenhouse gas impact.

The pandemic has also helped the global community recognize that waste continues to be a significant environmental risk.[1] It has been our goal to recycle 100% of e-waste responsibly since 2012. This effort includes obsolete servers, network hardware, laptops, and other electronic devices. Akamai has been an e-Stewards Enterprise since 2012, reducing our e-waste through implementing rigorous standards for our electronics recycling. We believe it is essential to ensure we are not causing additional environmental harm from our waste.

Akamai seeks to have a positive impact on the places where we work and live, extending our efforts beyond the company. We do this by establishing meaningful education, partnering with sustainability organizations, through public advocacy, and with like-minded companies focusing on expanding the benefits of a carbon-free internet. We believe it is essential to work with environmentally conscious suppliers and partners to reduce our global impacts collectively.

Akamai approaches sustainability not as an isolated agenda but as part of a holistic approach to efficient systems and processes — a strategy that inspires innovation and builds a more environmentally friendly world to benefit all of Akamai's stakeholders worldwide.

Sincerely,

Tom Leighton
Chief Executive Officer

![Akamai]

Sustainability at the Edge

Taking environmental action through program transparency, data, and partnership

The internet poses challenges for the environment and is responsible for about 2% of global emissions.[2] That's more than the airline industry as a whole.[3] It's time for the technology industry to utilize advancements and efficiencies to take shared responsibility for its role in climate change. Investors want it.[4] Customers demand it.[5] And the planet desperately needs it.[6]

While the internet will always use energy, it should be used in the most responsible way possible. The Union of Concerned Scientists states it well.

Akamai heeds the call for change and responsible action in our operations, our supply chain decisions, and in the global community. We recognize that in our role as the leading performance, security, and delivery provider, we share the responsibility for reducing the internet's carbon emissions. That's why back in 2015, we set goals to lessen our emissions by 30% year over year, power our network with 50% renewable energy, and recycle 100% of our e-waste all by the end of 2020. Learn more about our sustainability policy here.

This report discusses the successful realization of these goals: how we did it, why we did it, how others can learn from our successes and mistakes, and what to expect from us in the future.

![Union of Concerned Scientists]

"Change is still possible. Science suggests that we can avoid the worst impacts of climate change if we limit warming to under 2°C. To do so, we need a much cleaner economy by mid-century or sooner."

—The Union of Concerned Scientists

A More Responsible and Efficient Edge

How we've made our network 30% more efficient since 2015

The Akamai Edge is responsible for the majority of our annual emissions, especially since we operate in more than 4,200 locations across the globe. Keeping those servers running to ensure delivery, performance, and security for thousands of the world's largest banks, retailers, media companies, and government agencies is no easy feat and requires a lot of power.

Not only is power a valuable resource, but it is also carbon intensive if not properly mitigated. Meeting our customers at the edge of the internet has huge advantages for delivery, performance, and security – but being everywhere has its challenges. Since our platform deploys servers in 136 countries, managing emissions, power consumption, and resources responsibly is key.

We strive to run our network as efficiently as possible to be mindful of our power usage and to minimize the negative environmental impacts of our operations. We also aim to decarbonize the energy we need to operate by sourcing renewable energy where we can.

This mindfulness highlights a core challenge. Akamai prioritizes making good on our promises for delivery, performance, and security, without compromising our commitments to sustainability. We work to ensure a superior and secure web experience for our customers in an environmentally conscious way.

While there is no simple solution, Akamai's engineers take a hard look at our network's software and hardware infrastructure to cut excess usage and proactively eliminate inefficiencies to lessen our carbon emissions.

Akamai's global platform used 10 times less energy per unit of capacity than it did in 2015, even while the available capacity of the edge platform grew by more than 350%.
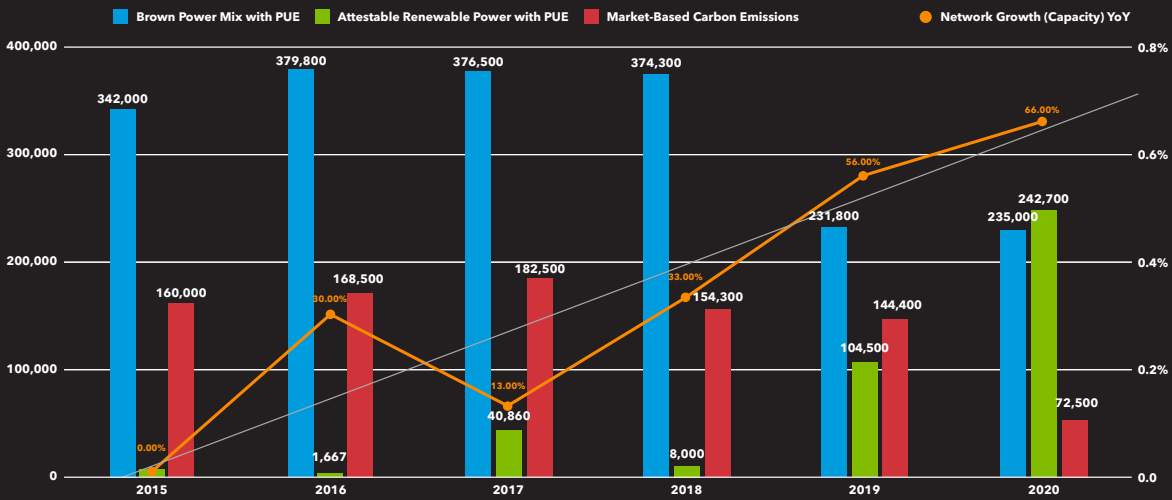
Hardware Efficiencies

Our network requires a lot of hardware. With 4,200+ locations, getting the most out of our global platform is a key component of running our network efficiently. To do this, we build our servers to run hotter and cool them with outside air (adhering to concepts like free cooling). This allows us to serve more traffic per box, lower our data center PUE,[7] and lessen the impact of our operational footprint.

"The concept of sustainability aligns with and drives our efficiency efforts" says Tim Dunn, Director of Hardware Engineering at Akamai. "It's just a matter of caring, like remembering to turn off the light when you leave the room."

Akamai's hardware efficiency initiatives are responsible for lessening our servers' power consumption while increasing throughput. Increasing throughput leads to a more efficient platform, which reduces our environmental footprint while providing superior performance for our customers and their end users.

Total Network Energy Consumption and Carbon Emissions Output to YoY Platform Growth

Legend:
- ■ Brown Power Mix with PUE
- ■ Attestable Renewable Power with PUE
- ■ Market-Based Carbon Emissions
- ● Network Growth (Capacity) YoY

Chart data:

Year	Brown Power Mix with PUE	Attestable Renewable Power with PUE	Market-Based Carbon Emissions	Network Growth (Capacity) YoY
2015	342,000		160,000	0.00%
2016	379,800	1,667	168,500	30.00%
2017	376,500	40,860	182,500	13.00%
2018	374,300	8,000	154,300	33.00%
2019	231,800	104,500	144,400	56.00%
2020	235,000	242,700	72,500	66.00%

Software Efficiencies

At Akamai, we take platform efficiencies seriously by engineering software that makes more efficient use of our global platform.

The Akamai Edge brings data closer to the end user. "Edge computing brings data, insights, and decision-making closer to the things that act upon them. Rather than relying on a central location that can be thousands of miles away, the edge is as near to the 'thing' as possible. The goal is ultimately a reliable, scalable implementation so that data, especially real-time data, does not suffer latency issues that can affect an application's purpose or performance," says Ari Weil, Vice President of Product Marketing at Akamai.[8]

Plainly speaking, this means that if an end user fetches data for the first time from the origin, a copy of that data is subsequently stored by Akamai on a server that is physically closer to the end user. If another user in a similar geographic area wants to view that same data, the work has already been done. This brings our customers' data closer to their end users and is stored at the edge. This helps Akamai further reduce our environmental impact while having a direct benefit for our customers.

We no longer need to power long fetches to the origin for every single request, which effectively lowers our collective carbon emissions output. It may seem miniscule for a single request, but Akamai manages trillions of these requests per day, which add up quickly. This also has huge benefits for performance and security, as the requested data couldn't be as close to the end user or as secure as it is when being delivered by Akamai.

Chuck Bernard, Senior Director of Engineering at Akamai, says it best: "Efficiency can be related to performance. If you make something more efficient, usually you're making something perform better because there are fewer steps to delivering the content from the customer to the end user."

The main challenge we face when incorporating sustainability across the platform is finding ways to use our hardware, network capacity, and space effectively. Through machine learning, we cache the correct and most relevant data to our edge servers and eliminate the need for repetitive, long fetches to origin, saving on potential power expenditure as it relates to hardware, network capacity, and physical space.

This is where things get complicated, and our software efficiencies come to light. While we build our network to handle peak traffic needs, which have only been growing as a result of behavior changes due to COVID-19, not all of our servers need to run at full capacity all the time. Furthermore, when our network is under load, how do we decide what content/data/information will be popular enough to be cached at the edge?

We continue to make our network more efficient by developing software to only use the necessary hardware resources. The Akamai Edge only caches (stores) information that is deemed relevant and likely to be accessed again by another end user in the same geographical location. To eliminate the resource drain and emissions related to power usage from space utilization and CPU from "one-hit wonders,"[9] the Akamai Edge uses machine learning algorithms based on the type of content, its popularity, its location, and more, to see if this data is worth the resources that would be required to store it. By decreasing the amount of one-hit wonders, Akamai is able to lessen our carbon emissions output and use less energy.

These strides mean that Akamai continues to decouple network growth from emissions, while reducing our emissions by 30% since 2015.

In 2020, we reduced our scope 2 emissions by more than 50% from 2019 levels, while growing the network by more than 60%.

"It's about using what we have well," concludes Chuck. "And while these strides have greatly lessened our emissions footprint, there are still more efficiencies that we want to drive."

"As we continue to advance and grow the Akamai Intelligent Edge, there is no question that our engineers, software developers, and architects will continue to

Sustainable Strides for Our Customers

Akamai recognizes that our customers' use of our delivery, performance, and security solutions contributes to their overall carbon emissions profile. We know that their customers are demanding improvements and want to see evidence of those claims. We help by providing a customized report that details each customer's emissions on our platform. It shows their global emissions as a result of their server and energy usage.

build an efficient and carbon-conscious platform for the future. Sustainability continues to be a system of change and a scientific mechanism to support our customers, our community, and our planet's well-being. Our team's environmental awareness will drive efficiency across our global edge platform indefinitely," says Mike Mattera, Global Director of Corporate Sustainability, Akamai Technologies.

Spotify®

"Spotify is pleased with Akamai's ambitious climate plan. They are constantly improving to enable us to get a better understanding of our own impact by providing high-quality data on our energy usage and emissions as a result of using their services."

–Ebba Grythberg, Sustainability Manager, Spotify

CO2e Emissions Reduced

Europe	North America	Japan	Hong Kong	Asia
75%	72%	33%	30%	24%
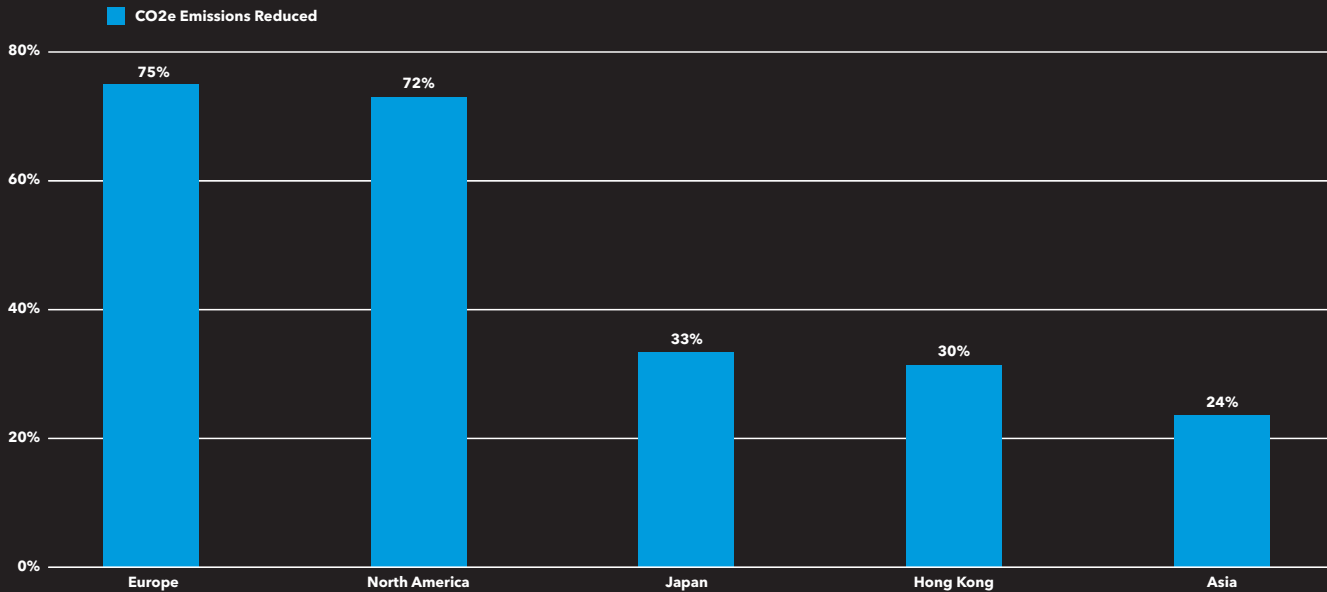
Powered by Renewable Energy

How we've managed to power half our network with new renewable energy in the past five years

Ensuring that our network runs as efficiently as possible is only one component of our sustainability strategy. We also source renewable energy to power our operations, which is trickier than one would think given Akamai's expansive network infrastructure.

Similar to the 30% efficiency goal we set back in 2015, we also committed to sourcing renewable energy for 50% of our controlled data center operations by 2020. We're proud to say that we have successfully met this goal. But like any other goal, it was met with certain challenges.

Just as our unique infrastructure has large benefits for content delivery and security, it also makes it harder to power using renewable energy. And this challenge is further exacerbated by our commitment to sourcing purchaser-caused net-new renewable energy. Plainly speaking, how do we make meaningful change at the edge of the internet? And then, how do we do that while accounting for the explosive growth we've seen amid the pandemic and beyond?

Our approach is twofold. First, we invest in purchaser-caused net-new renewable energy, in areas close to where we have operations. If we cannot get close to those operations, we mitigate the emissions by procuring additional purchaser-caused net-new renewable energy in other carbon intensive areas where we already have operations. Second, we work with our data center partners to procure attestable renewable energy sources to further mitigate our operations in their facilities.

New Renewable Energy

In 2020, Akamai successfully realized our 50% renewable energy goal. We did this by investing in part through net-new grid-connected renewable energy projects. To date, we have invested in three projects: a wind farm in Texas, a solar array in Virginia, and a wind farm in Illinois.

50% renewable energy goal met

The renewable energy produced from those projects covers about 23% of our global power need. To account for potential capacity growth, we continuously right-size the amount of power we need, then purchase and expand accordingly.

Our renewable energy strategy is notable because we prioritize projects where we are directly responsible for putting new renewable energy on the grid. But we can't do it alone. We collaborate closely with others in the industry and make our lessons learned available for everyone, much like we did in 2017. We helped spearhead the first-ever renewable buyers consortium, a virtual power purchase agreement with Apple, Etsy,

and Swiss Re guided by 3Degrees, and contracted for the wind farm in Illinois and the solar array in Virginia.

These projects are made possible through collaboration with groups like the Renewable Energy Buyers Alliance (REBA) and the Future of Internet Power (FoIP) to make renewable energy procurement easier and more attainable for everyone, not just the huge consumers of power. Education is a vital part of who we are at Akamai, so we brainstormed with these industry leaders to develop an educational opportunity to demystify renewable energy procurement in a training program called LESsor Sustainable Energy Network. Making renewable energy easier to understand, we lower the barrier to entry and help others lessen their impacts on the planet.

Our renewable projects account for more than 110,000 MWh of renewable energy.

Akamai Global Platform Power Mix

Brown Power Grid Mix
30.4%

Grid Renewables (Wind, Solar, Hydro)
23.8%

Renewable Grid Mix (Nonattestable)
18.8%

Renewable Data Centers (Provider Attestations)
27.0%

Data Center Partners

We rely on our colocation partners for clean energy to power our operations in many of our edge locations. Since we can influence how these data centers are powered, we encourage our partners to procure clean energy and even offer training on how to do so. From the beginning of our contract, we ask that renewable energy be attributed to the equivalent amount of energy we use per facility. Our partners verify the use of 100% renewable energy in our data center operations to ensure we are using renewable sources of power.

It is through collaboration on projects and training programs like these that we are able to have a twofold impact. First, we lessen our emissions by meeting our 30% efficiency and 50% renewable energy goals and, second, we encourage a paradigm shift in the way the data center industry thinks about efficiency and renewable energy.

PUE in 2020 for our Akamai-owned data centers was 15% lower than our data center portfolio average.

Supply Chain

Akamai is committed to developing mutually beneficial partnerships with environmentally conscious suppliers

It's important to Akamai that we look beyond our own operations to partner with suppliers on sustainable action. In addition to aligning to our global goals, our commitment to building a responsible supply chain helps Akamai minimize risk, reduce costs, improve product quality, ensure compliance, and build a competitive advantage. Within our supply chain work, we are committed to engagement, education, and future planning toward a less environmentally impactful and more sustainable business.

Partner Engagement

In 2020, we worked closely with our server manufacturer, Hypertec, to define the mutual benefits of sustainable reporting. Hypertec is a global technology provider that specializes in the design, engineering, manufacturing, integration, deployment, support, and recycling of cutting-edge IT products. The company had been taking sustainable action for some time. Through ongoing conversations with Hypertec executives, we were encouraged to develop public-facing communications about their sustainable behavior, ensuring an aligned message regarding transparency in Akamai's operations.

❖ Hypertec

"As one of the most innovative server manufacturers in the world, Hypertec salutes Akamai's vision to offer the world a better, more sustainable, and environmentally promising future.

We are inspired in our strategic development by Akamai's leadership, to vigorously and tirelessly optimize our processes and technology. We strive to develop products and solutions that are continually more energy efficient, while providing greater performance. As an environmentally responsible vendor, we align with Akamai to achieve our common goal to recycle 100% of our electronic waste.

As such, we are a proud partner of Akamai and it's important and inspiring sustainability mission."

–Jonathan Ahdoot, Chief Commercial Officer, the Hypertec Group

Additionally, we continued conversations with Jabil, Inc., on improvements in packaging, recycling of materials, and reduction of our greenhouse gas emissions in in their operations.

JABIL

"Jabil's commitment to environmental stewardship remains steadfast. Bold climate action is as imperative as ever amid the COVID-19 pandemic and worldwide uncertainty. In the Jabil 2019 Sustainability Report, we presented our ambitious long-term goals for greenhouse gas emissions reduction and announced the launch of our global Climate Action Plan. In these pursuits, Akamai has been an important partner that shares our vision for making better, more sustainable products on a global scale."

—Joe Mausser, VP Global Business Units, Jabil

Education

In order to spur collective action, we need to enable our supply chain partners to make green decisions through education. Continuously learning and evolving is a key part of who we are at Akamai.

As part of this promise, we funded a new education program with the Renewable Energy Buyers Alliance (REBA) called LESsor Sustainable Energy Network (LESSEN). LESSEN is a 10-month training for data center and real estate owners that will help build a community of practice among attendees through insights from experienced large-scale energy buyers. The training focuses on the key elements of a successful sustainable energy strategy. The LESSEN

training is provided through multiple online sessions covering foundational knowledge and project-specific education, together with in-person sessions expected to be held in 2021.

As part of our commitment to educating our suppliers on the benefits of taking sustainable action — and specifically renewable energy — LESSEN is a proactive effort to reduce the negative greenhouse gas emissions impact from data center operations for all tenants by making clean energy accessible to everyone.

In 2020, we collaborated with our longtime partner e-Stewards on conversations around e-waste to help us continuously recycle 100% of our e-waste. Through a 6-month review of processes and procedures, e-Stewards has helped to educate our e-waste vendors on improvements in their own supply chain and sustainability reporting.

Akamai has met our recycling goal to use 100% e-Stewards–certified facilities.

Future Planning

In 2020, we became members of the Sustainable Purchasing Leadership Council (SPLC) as we work to implement a more in-depth responsible supply chain program. SPLC is a nonprofit organization whose mission is to support and recognize purchasing leadership that accelerates the transition to a prosperous and sustainable future. Akamai and SPLC worked together to evaluate our current program and policies and begin thinking of improvements as we dive deeper into partnering with suppliers to support the greater good.

Akamai joined the Sustainable Purchasing Leadership Council in 2020 to improve the circularity of our supply chain.

SUSTAINABLE
PURCHASING
LEADERSHIP
COUNCIL

"As Akamai continues on its committed journey of sustainability transparency and their fierce determination to achieve ambitious environmental goals, we welcome Akamai to the Sustainable Purchasing Leadership Council (SPLC) member community. This is an exciting opportunity to partner and collaborate with us to further adapt strategic tools and programs to integrate into Akamai's responsible supply chain methodologies to further enhance the long-term health and vitality of people and planet."

– Donna L. Westerman, CEO, Sustainable Purchasing Leadership Council

Community

Building a long-lasting sustainability program with our community

Akamai is committed to collaboration and community involvement to inspire worldwide change. We know it's not enough to just be environmentally conscious in our own business – to make a true impact on climate change, we need to use our unique position to invite stakeholders to join us in taking sustainable action, partner on community improvement, and participate in climate policy work to help make systemic change.

Stakeholder Engagement

Offices

The year 2020 brought unprecedented changes in office behavior across the world and in all business operations. With the onset of COVID-19, we prioritized employee well-being and instructed our workforce to work from home. This programming included:

- Additional employee benefits globally to ensure employees were comfortable working at home, including a $600 stipend for setting up a home office

- Deeper employee engagement through our Employee Resource Groups and virtual volunteerism through Akamai Earth Month in April and the Danny Lewin Community Care Days in September

- A virtual community for wellness activities to help our teams stay active, nourished, calm, healthy, and balanced throughout the pandemic

- An Employee Assistance Program that helps provide counseling, family resources, and webinars for those coping with the pandemic

A good example of lessening our office impacts can be found in Australia, where our North Sydney office joined the CitySwitch's Green Office Program, which helps businesses to improve their energy and waste efficiency. We committed to support this program to increase environmentally sustainable practices among the business community. As a CitySwitch signatory, we have volunteered to achieve a NABERS Energy tenancy rating of 6 stars.

"On behalf of the North Sydney Council and the CitySwitch Program, I am delighted to welcome on board Akamai Technologies as our newest North Sydney signatory. Akamai has already impressed us with their 6-star NABERS indicative rating with 100% green power! Well done, Akamai, the CitySwitch Program is looking forward to assisting you to achieve even more amazing sustainability achievements."

— Jilly Gibson, Mayor of North Sydney

Employees

In September, we launched a partnership with Common Energy in Massachusetts, inviting employees to support a new, local, clean energy project while helping to lower emissions in the community. The project, currently under development in Carver, Massachusetts, is one of the first in the nation to combine clean energy and on-site agriculture production. Once completed, the project will generate approximately 4,000 megawatt Hours (MWh) and forgo more than 900 metric tons (MT) of greenhouse gas emissions each year. As an added benefit, for each enrolled Akamai employee, Common Energy made a charitable contribution on our behalf to All in Energy, a local nonprofit organization doing energy efficiency outreach with a focus on equity and engaging hard-to-reach populations.

Customers and Suppliers

We are committed to partnering with our customers and suppliers to benefit the community. This past July, we partnered with Microsoft on Hackathon 2020 — an annual worldwide event to inspire new ideas, create change, and make a global difference. Together, the Hackathon 2020 team decided to develop an app which helps individuals assess their own personal choices and the effect of those choices on their carbon footprint.

"Since announcing our initiatives earlier this year, Corporate Sustainability has been a great topic with which we can relate to our customers and partners. Working with Akamai was eye-opening to the team from Microsoft as we looked outside of what Microsoft was doing in corporate and datacenter initiatives to how individuals and smaller teams can contribute to larger sustainability goals."

— Andy Roberts, architect at the Microsoft Technology Center

Community Improvement

Renewable Energy, Community Benefits

In the United States, we launched two of our three renewable energy projects, with the last project — part of a 500 MW-AC solar farm with sPower in Spotsylvania, Virginia — online as of December 2020. As we continue to expand our renewable commitments, we look for opportunities to benefit the communities surrounding our projects with environmental improvements and educational support.

In 2020, along with sPower and other companies involved in the solar project, we funded 10 Wi-Fi hotspots in Spotsylvania for the 2020–2021 school year to increase access to broadband for online learning.

"sPower has been honored and pleased to partner with Akamai Technologies, Inc. on our Wifi outreach to students in Spotsylvania County, Virginia. Through our collective efforts and with other community partners, we have funded 16 mobile hotspots for this school year which began virtually and will be continuously assessed.

As partners in the Spotsylvania Solar Energy Center, we are delighted that our complementary business and sustainability goals have once again aligned with Akamai's and we look forward to a bright future together, continuing our critical efforts for future generations."

— Ryan Creamer, CEO, sPower

Disaster Relief

The Akamai Foundation is committed to supporting relief efforts and urgent needs in our local communities following large-scale disasters and partners with the Sustainability team on long-term revitalization efforts. Akamai Foundation Disaster Response priorities include:

- Respond: Provide immediate aid to meet critical urgent needs
- Rebuild: Explore sustainable social action, revitalization, and rebuilding efforts
- Resiliency: Invest and engage in advance preparation and support services

"In 2020, the Akamai Foundation partnered with the Sustainability team on evaluating opportunities to rebuild and create resiliency in our disaster responses in Australia and California. It helped our team to think beyond just immediate response to how we — as global citizens — can lend a hand to repair damaged areas for years to come."

—Kara DiGiacomo, Executive Director, The Akamai Foundation

Replenishment

As part of our commitment to reduce our environmental impact, we look for community improvement projects to offset our impact. Planting trees remains one of ways we can help to reduce global carbon emissions, so – in April 2020 for Earth Month – we committed to planting 7,500 trees (one for every employee) with One Tree Planted in four locations around the world by the end of 2021. As global deforestation continues, reforestation projects like these will help to provide the clean air we breathe for years to come and improve the communities of which we are a part.

Continuing in our commitment to replenishment projects, in April we announced the launch of our Accelerator Program with the Indian Institute of Technology Madras (IIT Madras), supporting innovators and building solutions to address India's water challenges. The Accelerator Program, a concerted effort by our leadership team in India, is being launched at a time when we are witnessing a rising demand for water globally, caused by exponential population growth coupled with a changing climate that is making rainfall less predictable. In Bangalore, India, where Akamai has a large operation, we are witnessing the impact of rapid urbanization on our water resources like never before.

Climate Policy

To help drive systematic change across the industry, we participated in conversations focused on long-term environmental improvement. Important climate policies are being debated at every level of government – in cities, counties, states, and countries – and we are stepping up and speaking out for climate policy.

> *"IIT Madras is pleased to partner with Akamai Technologies in the Accelerator Program designed to support innovators in the clean water sector, who have the potential to create social impact. The International Centre for Clean Water (ICCW), an initiative of IITM, is the technical and business mentor of the innovators, ATREE and FFEM. ICCW is also engaged in strengthening the Program's vision and design of future cohorts to maximise the cumulative social impact over the next few years"*
>
> *— Professor T. Pradeep, Department of Chemistry, Indian Institute of Technology Madras*

Some highlights of our 2020 work include:

- On January 22, the day after the 2020 Massachusetts State of the Commonwealth speech, our Sustainability team participated in a clean energy legislative preview with Governor Charlie Baker, Secretary of Energy and Environmental Affairs Kathleen Theoharides, and representatives from Ceres, and other key businesses across the state. This was a part of conversation around a multi-state Transportation and Climate Initiative, which is working to build a regional program that would cap and reduce greenhouse gas emissions from the transportation sector across the Northeast and Mid-Atlantic regions, and invest the proceeds in a cleaner, more resilient, and more equitable low-carbon transportation system.

- On March 6, the Virginia legislature passed the Virginia Clean Economy Act (VCEA) — a landmark legislation to put Virginia on a clear path to 100% zero-carbon electricity by 2045. Eight companies, including Akamai, signed a letter of support for the VCEA and also lobbied legislators to pass it.

- On May 13, more than 300 businesses joined in the largest-ever call to action from the business community to members of the U.S. Congress to build a better strategy for a resilient, clean energy economy post–COVID-19. LEAD on Climate 2020 made the case to U.S. House and Senate lawmakers on both sides of the aisle that a climate-smart recovery is needed to build back better from the economic downturn. In virtual meetings with lawmakers, participating companies and investors urged Congress to protect against future shocks and systemic risks stemming from the ongoing climate crisis.

Ceres

"Companies have a vital role to play in advancing climate-smart policies. In its first year as a member of the Ceres BICEP Network, Akamai is a bold voice on the need to ramp up renewable energy, expand clean transportation and curb carbon emissions. We saw lawmakers heed this call with ambitious new state policies in Virginia and Massachusetts, and we look forward to continued collaboration for a more sustainable future."

– Anne Kelly, Vice President of Government Relations at Ceres, a sustainability nonprofit organization

2020 and Beyond

Our program today highlights a mix of opportunity and responsibility; running our network efficiently is essential for both the environment and our bottom line, but our program is more than that. As a key part of the internet, Akamai knows that we can use our influence for good — and make connections for others to do the same.

While this report covers our progress to date, we know that our sustainable progression is far from over; we still have a long way to go. In the future, we will continue down the path set out in this report, where we focus on our Network, our Community, and our Supply Chain to lessen our impact so we can contribute to achieving a zero-carbon internet for all.

In the end, Akamai has decided to become more sustainable because it helps our customers, employees, and shareholders, and it's good for the planet. Our philosophy is simple: educate when necessary, contribute where we can, reinforce when possible to ensure we are doing our best, and do our part to reduce the global greenhouse gas footprint.

Appendix

A1a | Transparency Statement

At Akamai, we believe it is important to be transparent about the effects our operations are having on the global environment. To ensure we are meeting the highest standards in our industry, Akamai works with a third-party auditor that focuses on the accuracy of our carbon emissions reporting in Scopes 1, 2, and 3. We reconcile our impact annually and routinely follow the plan-do-check-act procedure to lower our greenhouse gas emission footprint in the areas where we can have the most material impact. Our auditor adheres to the ISO 14063-3: Greenhouse gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas statements. Our verification process, due to the distributed nature of our platform, has a materiality threshold of ±5% for aggregate errors in the sampled data for each of the areas we account and attest for. A copy of our latest greenhouse gas audit can be found on our website akamai.com/us/en/about/corporate-responsibility/sustainability/.

A1b | Reporting Transparency

Transparency is fundamental to Akamai's sustainability initiatives. We are committed to voluntary annual disclosure of our goals and strategies to encourage accountability in our practices and progress. Below is a list of organizations we report to or are a part of with the new additions of GRI and SASB as of 2020.

CDP runs the global environmental disclosure system. Each year CDP supports thousands of companies, cities, states and regions to measure and manage their risks and opportunities on climate change, water security and deforestation. We do so at the request of their investors, purchasers and city stakeholders.

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

The Dow Jones Sustainability Indices (DJSI) are a family of best-in-class benchmarks for investors who have recognized that sustainable business practices are critical to generating long-term shareholder value and who wish to reflect their sustainability convictions in their investment portfolios.

ecovadis
SUPPLIER SUSTAINABILITY RATINGS

EcoVadis helps companies manage their network both upstream and downstream, either by sharing their performance with their stakeholders or monitoring the performance of their own upstream value chain.

FTSE4Good

The FTSE4Good Index Series is designed to measure the performance of companies demonstrating strong Environmental, Social and Governance (ESG) practices.

GRI (Global Reporting Initiative) is the independent, international organization that helps businesses and other organizations take responsibility for their impacts, by providing them with the global common language to report those impacts. They are the provider of the world's most widely used standards for sustainability reporting – the GRI Standards.

Just Capital is an independent nonprofit that tracks, analyzes, and engages with large corporations and their investors on how they perform on the public's priorities. Their research, rankings, indexes, and data-driven tools empower all market participants to help build a more just economy.

The Sustainability Accounting Standards Board is an independent standards board that is accountable for the due process, outcomes, and ratification of the SASB standards, including any changes to the standards. SASB connects businesses and investors on the financial impacts of sustainability.

Organization Memberships

Ceres is a sustainability nonprofit organization working with the most influential investors and companies to build leadership and drive solutions throughout the economy. Through powerful networks and advocacy, Ceres tackles the world's biggest sustainability challenges, including climate change, water scarcity and pollution, and inequitable workplaces.

e-Stewards is a global team of individuals, institutions, businesses, non-profit organizations, and governmental agencies upholding a safe, ethical, and globally responsible standard for e-waste recycling and refurbishment. We stop the export of illegal hazardous e-waste to developing nations and create a safe, green, and just world through sharing and using the principled and practical standard for electronics recycling and reuse.

Engage for Good, founded as Cause Marketing Forum in 2002, has the goal of providing business and nonprofit professionals working at the intersection of cause and commerce with the practical information and connections they need to succeed.

The Future of Internet Power initiative brings together companies to address challenges and collaborate on solutions that will enhance the ability to procure renewable energy to power data centers.

The Renewable Energy Buyers Alliance (REBA) is a membership association for large-scale energy buyers seeking to procure renewable energy across the U.S. Stakeholders come together from across the commercial and industrial sector, non-profit organizations, as well as energy providers and service providers.

SUSTAINABLE PURCHASING LEADERSHIP COUNCIL

The Sustainable Purchasing Leadership Council (SPLC) is a non-profit organization whose mission is to support and recognize purchasing leadership that accelerates the transition to a prosperous and sustainable future.

SUSTAINABILITY ROUNDTABLE, INC.

Sustainability Roundtable Inc (SR Inc) is a leader in outsourced environmental, social, and governance (ESG) management. They provide a confidential, membership-based, strategic advisory and support service for management teams to set goals, drive progress, and report results (internally and externally) as they lead their organizations to more sustainable high-performance

A2 | Carbon Accounting

Greenhouse gas (GHG) protocol establishes comprehensive global standardized frameworks to measure and manage GHG emissions from private and public sector operations, value chains, and mitigation actions. Akamai has taken the accepted scope framework and applied the methodology to our own business activities.

Scope 1

Scope 1 (also known as direct GHG emissions) includes fuel combustion, company vehicles, and fugitive emissions. As an example, Scope 1 can include any production of electricity through a generator that burns fuel for power or through building equipment that produces gasses/vapors. Other emissions sources from Scope 1, such as fugitive emissions, are gases or vapors from equipment that contribute to building operations that could cause air pollution and climate change.

Scope 1 Focus Areas

Akamai focuses on several areas under Scope 1, including any impact our office buildings may have on the environment. Under these definitions, we report on our:

- Diesel generator emissions
- Natural gas generator emissions
- Gasoline generator emissions
- Off-gassing from building mechanical systems
- Company-owned vehicles

Scope 2

Scope 2, also known as indirect GHG emissions by a company, includes the consumption of purchased electricity, heat, or steam. This includes all direct leased colocation (colo) operations that impact the

cost of goods sold (COGS). These larger deployments include servers, switches, routers, and various network components. Another example of Scope 2 would be natural gas purchased to heat the buildings Akamai leases.

Scope 2 Focus Areas

Akamai focuses on several areas under Scope 2, including our direct office operations and our various types of colo deployments. Under these definitions, we report on our:

- Electricity emissions from colo operations, including Akamai-owned data center (AODC) server, switch, router, and network component electricity; and colo server, switch, router, and network component electricity (not including nondirect impact, Akamai Accelerated Networks Partners [AANP], free space, and power deployments)

- Colo operations electricity (not including nondirect impact, AANP, free space, and power deployments) when fully controlled

- Office electricity

- Lab electricity (cooling if available)

- Office heating, steam, and natural gas consumption

- Renewable energy virtual power purchase agreements (VPPAs), renewable energy credits (RECs), and guarantees of origin (GOs)

Scope 2 Renewable Energy Methodology

Akamai tracks and monitors green power generation from renewable energy purchases at Scope 2 facilities as a part of our overall Scope 2 GHG footprint. The category of contractual instruments when calculating the market-based method will take into account the following areas:

- Energy attribute certificates (GOs, RECs)

- Direct contracts such as power purchase agreements (PPAs and VPPAs), where other instruments or energy attribute certificates do not exist

- Pass-through from vendors through letters of attestation to Akamai

- Supplier-specific emission rates

- Residual mix (e.g., the emissions rate left after the three other contractual information items are removed from the system)

In an effort to limit our impact on the environment, Akamai participates in the Renewable Energy Buyer Alliance and Future of Internet Power Documentation Requirements for Supplier-Procured Renewable Energy, a collaborative initiative composed of users and providers of colo data center services. The document provided the groundwork for innovative pass-through renewable energy reportable as Scope 2 emissions in facilities that are operated by providers of colo space. The procurement of renewable energy by our colo providers now has a direct impact on Scope 2 emissions on how much of the footprint is renewable without additional renewable energy procurement.

Scope 3

Scope 3 covers remaining areas of indirect emissions coming from business operations. For example, this would include the emissions coming from the creation of our designed hardware, electricity usage coming from Akamai Accelerated Network Partners (AANP), corporate travel, and waste disposal. Scope 3 generally focuses on the remaining operations coming from up the value chain, and also has a focus on upstream and downstream activities. Upstream includes all of the emission factors that occur when a product is sold by the producer. Downstream occurs once the product is sold, and includes storage and end-of-life activities, such as shipping and recycling.

Scope 3 Focus Areas

When considering the reporting areas that fall into Scope 3, focused mainly on our wider footprint and upstream indirect emissions, Akamai will report in the following areas:

- Emissions to manufacturing network hardware (capital goods)

- Fuel and energy-related activities, including transmission and distribution losses

- Emissions related to transporting hardware (upstream transportation and distribution)

- Emissions related to storing hardware (upstream distribution)

- Business travel, including corporate commercial and private travel

- Upstream leased assets (free space and traffic [AANP], diesel generators, PUE where applicable)

A3 | Method of Calculation

Akamai follows the GHG Protocol Corporate Accounting and Reporting Standard developed by the World Business Council for Sustainable Development and the World Resources Institute. We believe using this standard will ensure that our company is meeting all of the criteria required to report to our external sources with the highest levels of integrity, transparency, and accuracy. In addition to the outlined standard above, Akamai will augment the reporting and GHG accounting process with the GHG Protocol Scope 2 Guidance Document and Technical Guidance for Calculating Scope 3

Emissions to ensure continuity and accuracy across the reporting process. These criteria of verification are also used in our GHG accounting audit conducted yearly.

Appendix B — GRI, SASB, UN SDG, UN Global Compact

- Material Reporting Areas for Environmental

1. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7447614/
2. https://www.nature.com/articles/d41586-018-06610-y
3. https://theshiftproject.org/en/article/lean-ict-our-new-report/
4. https://www.blackrock.com/corporate/investor-relations/larry-fink-ceo-letter
5. https://www.forrester.com/report/The+Forrester+Technology+Sustainability+Framework/-/E-RES161055
6. https://www.ucsusa.org/climate
7. PUE is a ratio of how effectively a data center uses energy.
8. https://blogs.akamai.com/2020/08/20-years-of-edge-computing.html
9. One-hit wonders are defined as data/content that is accessed only a few times by end users, meaning they are not worth the energy and space to store them.

Akamai secures and delivers digital experiences for the world's largest companies. Akamai's intelligent edge platform surrounds everything, from the enterprise to the cloud, so customers and their businesses can be fast, smart, and secure. Top brands globally rely on Akamai to help them realize competitive advantage through agile solutions that extend the power of their multi-cloud architectures. Akamai keeps decisions, apps, and experiences closer to users than anyone — and attacks and threats far away. Akamai's portfolio of edge security, web and mobile performance, enterprise access, and video delivery solutions is supported by unmatched customer service, analytics, and 24/7/365 monitoring. To learn why the world's top brands trust Akamai, visit www.akamai.com, blogs.akamai.com, or @Akamai on Twitter. You can find our global contact information at www.akamai.com/locations. Published 01/21.