

# REsurety Helps Akamai Power and Protect Life Online Sustainably



**Location:** Cambridge, MA, U.S.

**Industry:** Internet/Technology

**Solution Used:** Locational Marginal Emissions (LME)

LME data helps us be more transparent regarding our emissions abatement activities. LMEs are creating a market-leading opportunity for Akamai to be more accurate regarding our emissions reduction claims while providing a new level of confidence in what we are reporting to our shareholders, employees, and customers. We appreciate that **we now have access to emissions data that we can stand behind**, so we can provide insight about the impacts of our operational footprint to customers around the world.

- Mike Mattera,  
Global Director of Corporate Sustainability, Akamai Technologies

*The Akamai Intelligent Edge network helps billions of people live, work, and play every day by building, delivering, and securing their digital experiences. In order to do this, Akamai leverages thousands of locations and data centers, which are powered by electricity and therefore can increase carbon emissions. Recognizing this, in 2009 Akamai committed to a more sustainable enterprise and hasn't looked back.*

Akamai's clean energy procurement is complex due to the diversification of the Akamai Edge globally. Today, the company operates in over 4,200 locations with deployments as small as a few servers. Since Akamai does not have complete operational control of its data center footprint for its electricity sourcing, it is challenging to understand the total environmental impact. Even with those obstacles, the Akamai sustainability team continuously looks at a wide range of emissions

factors to improve location and market-based emissions measurements for its Edge Platform. There was no doubt that accuracy was essential to have a clear view of its renewable projects and how they supported the company's emissions reduction goals. Ultimately, Akamai was looking to answer the question: Do our renewable investments have the desired emissions reductions we have come to expect?

Akamai is committed to impactful progress in its clean energy program, so the sustainability team began investigating solutions to better understand how it could bring accurate, precise emissions data into its carbon accounting strategy. After discovering REsurety's high-resolution Locational Marginal Emissions (LME) solution, Akamai quickly adopted the technology, as they saw an opportunity to understand its carbon impact at each individual project.

What Akamai realized is that the carbon emissions avoided by a given MWh of clean energy vary widely, even across projects located within the same region in the same grid. RESurety's LME technology measures the emissions impact of each project on the grid, helping Akamai measure and maximize the carbon impact of the company's clean energy strategy. For Akamai, it's not just about the projects and activities that maximize its path to decarbonization, it's also about the projects that don't; visibility is key.

With RESurety's LME data, Akamai is able to be far more accurate in its avoided emissions calculations. Instead of trying to make sense of inconsistent regional datasets, Akamai is able to calculate the precise impact of its activities at each location on the grid. In addition, RESurety's project LME reports provide visibility into *why* emissions are what they are - for example, showing how much gas or coal is being displaced, or how much wind is being curtailed due to Akamai's activities. Lastly, Akamai is now able to use the LME data to evaluate new PPA opportunities to ensure that it is focusing its efforts on the locations and technologies that can have the biggest impact on carbon emissions.

**Akamai is now able to:**

- Monitor how much each specific clean energy procurement decision contributes to its sustainability goals
- Compare projects and new PPA opportunities to select those with the greatest decarbonization potential
- Understand the drivers of carbon abatement, from the impact of congestion to the fuels displaced by each clean energy project
- Have peace of mind using emissions values that are more accurately paired with specific energy investments



Continued innovation is vital when it comes to emissions measurement. Solutions like what RESurety has brought to the market with **LMEs bring the environmental community five steps closer to the measurement accuracy needed to solve the global emissions crisis.** As a result, we are now confident in the emissions reduction our projects are causing and we have gained a partner we can trust to help us achieve our goals.

- Mike Mattera,  
Global Director of Corporate Sustainability,  
Akamai Technologies

## About Akamai Technologies

Akamai powers and protects life online. The most innovative companies worldwide choose Akamai to secure and deliver its digital experiences - helping billions of people live, work, and play every day. With the world's largest and most trusted edge platform, Akamai keeps apps, code, and experiences closer to users - and threats farther away. Learn more about Akamai's security, compute, and delivery solutions at [akamai.com](https://akamai.com) and [akamai.com/blog](https://akamai.com/blog), or follow Akamai Technologies on [Twitter](#) and [LinkedIn](#).

Akamai's 2021 [Sustainability Report](#).

**Learn how Locational Marginal Emissions can help you measure and maximize your carbon impact, [download the white paper.](#)**

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