

Carba Achieves First Validation Under Isometric Methodology for Landfill-Based Biocarbon Storage

Announces U.S. Bank Carbon Removal Purchase

MINNEAPOLIS , MN, UNITED STATES, September 10, 2026 /EINPresswire.com/ -- Carba today announced that its flagship project at the Burnsville Sanitary Landfill has become the first carbon removal project validated under Isometric's methodology for biochar storage in low-oxygen environments. The milestone demonstrates that Carba's project meets the rigorous scientific requirements for quantifying and monitoring carbon removal from landfill-based biocarbon storage, and how existing waste management infrastructure can be leveraged to deliver durable carbon removal and mitigate long-term pollution at scale.

With the confirmation of this project validation from Isometric, Carba also announced U.S. Bank as a purchaser of carbon removal credits from the project, reflecting growing demand for high-quality carbon removal solutions that generate measurable environmental and community benefits. This is U.S. Bank's first purchase of durable carbon removal credits.

Carba removes carbon from the atmosphere by converting waste biomass into stable biocarbon before securely storing it in engineered landfill environments. By integrating carbon removal into existing landfill and industrial infrastructure, Carba is building a scalable waste-to-value platform that transforms low-value biomass into long-term carbon storage while reducing deployment costs and accelerating project development.

In addition to durable carbon removal, Carba's approach may provide multiple environmental and community benefits supported by independent academic publications including both lab and field research on biochar in landfills, including reductions in PFAS and other contaminants such as lead and mercury in landfill leachate, reduced landfill odors, and enhanced methane oxidation. Carba is undertaking additional laboratory and field testing to evaluate these outcomes under commercial operating conditions while creating productive uses for waste biomass that might otherwise be landfilled, burned, or left to decompose and supporting forest fuel reduction efforts.

"This validation is an important milestone not only for Carba, but for the broader carbon removal industry," said Andrew Jones, Chief Executive Officer of Carba. "The world needs carbon removal solutions that can scale rapidly and cost-effectively. By combining rigorous scientific

validation with existing waste management infrastructure, we're creating a pathway to deploy durable carbon removal while addressing broader environmental challenges such as wildfire risk, landfill emissions, and PFAS contamination."

The validated project is located at the Burnsville Sanitary Landfill in Burnsville, Minnesota, where Carba is demonstrating how existing infrastructure can be repurposed to support both environmental remediation and long-term carbon storage.

"Carba's Burnsville project is the first to meet the requirements of our module for biochar storage in low-oxygen environments. Validation is a key step toward issuing high-quality carbon removal credits with Certify, our agentic certification platform, said David Armstrong, Partnerships and Policy Manager at Isometric.

"U.S. Bank's carbon removal purchase reflects our focus on engaging with emerging climate solutions, including those being developed near our headquarters community of Minneapolis," said Ariel Meyerstein, head of sustainability at U.S. Bank. "It builds on our broader efforts to recognize and support early-stage innovators that are exploring practical approaches to environmental challenges with the potential to provide local economic benefits."

As demand for durable carbon removal continues to grow, Carba believes waste management infrastructure can play an important role in scaling carbon removal while local economic development, supporting environmental remediation efforts, and creating new value from underutilized waste streams. The Burnsville project demonstrates how existing infrastructure can be transformed into long-term climate assets that provide benefits for communities, industry, and the environment alike.

About Carba

Carba converts waste biomass and organic materials into stable biocarbon for use in materials, pollution management, and permanent carbon dioxide removal. Carba has developed a patent-pending autothermal process and a patent-pending anoxic burial method to impart 1,000+ year certified carbon removal. Founded by Dr. Andrew Jones and Professor Paul Daueunhauer, experts with a combined 45+ years of experience in pyrolysis and valorizing biomass. Carba is backed by GigaClimate, a venture builder founded by Nick Halla (founding team and past executive at Impossible Foods), Rusheen Capital, and Canopy Generations Fund. Carba's first deployment is with a waste disposal company converting municipal wood waste into biocarbon for use as a filter in landfills, sequestering carbon, oxidizing fugitive methane, and adsorbing pollutants within the landfill. Carba is a versatile, efficient, and scalable permanent carbon removal solution.

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