



THE
CLIMATE
PLEDGE



Joint Action Project

Next-Gen Heat Pumps: RTU 2.0

Amazon was a founding partner in the US Department of Energy Commercial Heat Pump Accelerator program, launched in 2024. Phase 2 of the RTU (Rooftop Unit) 2.0 project launched in November 2025 and includes development of a specification for next-generation RTU's, an incubator for new technologies, and an X-prize competition. The goal is to shorten time-to-market for new heat pump solutions – including low-carbon source materials, complete EPD's, ultra-low-GWP refrigerants or solid-state technology, and integrated controls. Amazon, Pledge signatories, and suppliers will collaborate to accelerate innovation, pilot new technologies, and support commercialization.

Why this project matters

- Heat pumps are essential to electrification of industrial facilities
- Refrigerants are responsible for more than 3% of global carbon emissions
- Original equipment manufacturers (OEM's) are slow to innovate
- Compared with conventional packaged RTUs, high efficiency next-generation RTUs are estimated to reduce energy costs by up to 50%

Expected results

- Catalyze development of low-carbon technology
- Accelerate commercialization of new technology
- Increase deployment of all-electric RTU's

The big picture

The Climate Pledge launched a series of collaborative projects to help tackle some the planet's biggest climate change challenges alongside the best in the business. These joint action projects bring signatories together to enable and scale a solution that aligns with the pillars of the Pledge and leads to measurable results.

Learn more at theclimatepledge.com/jointaction.

Join this project

Scan the QR code or visit amzn.to/joinaproject to let the Pledge team know you are interested in this project.

Have questions? Contact us at ccr-sustainability-spp@amazon.com.

