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For Immediate Release

V-Glass Ultra-High Efficiency Glass Demonstrates Durability

WAUKESHA, Wisc., Nov. 21, 2022 – V-Glass, Inc., a Cleantech company developing affordable, ultra-high efficiency vacuum insulated glass (VIG) for the built environment, announced today that it has achieved a significant technical milestone.

Since early summer, third party laboratories, including the Department of Energy’s (DOE) National Renewable Energy Lab (NREL), have been dynamically testing V-Glass ultra-high efficiency VIGs. Recent testing shows that V-Glass can endure more than 300 consecutive, three-hour thermal cycles fluctuating between negative 20°F and 140°F, well beyond conditions experienced in the real world.

“This is a major step toward our goal of a VIG that can be warranted ‘fog-free’ for 40 years or more,” said Mike Petit, V-Glass CEO. “Our vacuum glass has two-to-three times the thermal performance of ENERGY STAR® windows, can last twice as long, and costs no more to manufacture, which creates a very compelling value proposition in the transition to net-zero energy buildings.”

First generation VIGs have been commercially available for more than two decades but remain too expensive to achieve mass market penetration due to extensive high temperature oven-based manufacturing processes. In contrast, V-Glass has developed a process to create a hermetic edge seal at room temperature.

“The key to affordability is eliminating the oven from the production cycle,” said V-Glass Founder and President Peter Petit. “Our proprietary equipment can spot-weld foil to glass in an instant, whereas a high-temperature oven cycle can take up to six hours to melt rigid edge seal material.”

V-Glass is currently raising capital to accelerate technology development and the transition to a production environment. The company will soon be selling testable VIG samples to a select group of potential licensing partners and plans to bring its first commercial VIG to market in 2024.

About V-Glass: V-Glass has developed next generation platform technology that enables the low-cost production of ultra-high efficiency vacuum glass. To date, the company has raised \$5.5 million, including \$4 million in grants from the National Science Foundation, the DOE, and the State of Wisconsin. In 2018, V-Glass was selected as a top 10 finalist in the NASA iTech Energy Competition and was recently accepted into [IMPEL+](#), a DOE program to assist building innovators in accelerating their technology toward commercialization. To learn more, visit www.V-Glass.com.