NEWS RELEASE

Chart and Bloom Energy team up on carbon capture

Chart and Bloom Energy have entered into a carbon capture partnership that will use natural gas and fuel cells to generate virtually carbon free power that is always available. The solution is aimed at customers such as data centers and manufacturers, who are seeking power supplies that can be deployed rapidly without compromising reliability or emission goals.

Chart will use its carbon capture know how to process Bloom's high-purity carbon dioxide (CO_2) exhaust stream into outputs that are ready for utilization or sequestration. The CO_2 utilization market serves as an important near-term term bridge to carbon sequestration in locations, where sequestration infrastructure is not available or permitted yet. As sequestration capabilities grow in the U.S. and globally**,** CO_2 utilization provides an immediate pathway to repurpose captured carbon while supporting long-term decarbonization efforts.

Efficient carbon capture depends on the purity of CO_2 in the exhaust stream, which varies widely across power generation technologies. Conventional technologies that generate electricity from natural gas through combustion—such as gas turbines and reciprocating engines—produce exhaust streams with approximately 5**%** CO_2. Capturing such low-concentration emissions remains technically complex and costly. In contrast, Bloom's proprietary high-temperature fuel cell technology converts natural gas without combustion, yielding a CO_2-rich stream that has 15 times lower mass flow and ten times the CO_2 concentration, making the capture process more efficient and less costly.

"Chart is a global leader in carbon capture," said Chart Industries CEO Jill Evanko. "We are excited to bring this expertise to Bloom and their unique platform which is capable of not just producing reliable power but also a concentrated CO_2 stream. Working with a market leader in solid oxide fuel cells, we see exciting opportunities for our partnership in both sequestration and utilization markets. We are already working on projects where the captured CO_2 will be utilized in the food and beverage industry."