

Encycle Partners with Lime Energy to Deliver New Energy Savings to Duke Energy's Small Business Customers

Encycle's Swarm Logic® HVAC energy management technology is now available to Duke Energy SMB customers participating in the Small Business Energy Saver program managed by Lime Energy.

SAN MARCOS, Calif., May 18, 2021 – [Encycle Technologies, Inc.](#) – a software technology company focused on helping commercial and industrial customers dramatically improve the efficiency of their HVAC systems using artificial intelligence-based services – is pleased to announce that it has entered a partnership agreement with Lime Energy, a Willdan Company, to offer Encycle's HVAC energy-saving technology to small and medium-size business (SMB) customers in the Duke Energy service territories in North Carolina, South Carolina, Indiana, and Kentucky.

Encycle's Swarm Logic® software will be integrated into smart thermostats for SMB customers participating in the Duke Energy [Small Business Energy Saver](#) program. This program is managed by Lime Energy and features several energy efficiency solutions designed to improve the bottom line for SMB customers. Adding Swarm Logic to the Small Business Energy Saver program follows an extensive evaluation, during which time Duke Energy customers achieved as much as 12% reductions in HVAC electric consumption.

Alex Castro, Lime Energy's EVP Business Development, believes Swarm Logic was a natural evolution for the smart thermostat program that Lime Energy has in place for Duke Energy's SMB customers to lower their heating and cooling costs. "Throughout our longstanding partnership, Duke Energy has encouraged Lime Energy to bring forward new ways to help their customers save energy," Castro said. "We felt Swarm Logic was an attractive solution due to the combination of its savings performance and the simplicity of installation and operation," explained Castro. "The initial sites that we deployed in 2020 confirmed that adding Swarm Logic's performance and capabilities to the Small Business Energy Saver program will deliver substantial savings to Duke Energy customers," Castro continued.

Robert Chiste, Encycle's Chairman and CEO, stated, "Encycle is pleased to partner with Lime Energy to bring our innovative Swarm Logic technology to Duke Energy's small business customers." "Businesses often look to their utility providers for help in reducing energy consumption wherever possible. Swarm Logic is a highly adaptable solution that works seamlessly with smart thermostats. Our joint efforts will provide Duke Energy customers with a simple, yet powerful way to lower their electric bills," Chiste concluded.

Encycle developed Swarm Logic to significantly reduce customers' electricity usage and carbon emissions, helping meet corporate sustainability targets. The multi-patented technology dynamically synchronizes HVAC rooftop units (RTU) control decisions, enabling RTUs to operate most efficiently by responding in real time to changing

conditions such as outdoor temperature and building occupancy levels. With Swarm Logic, RTUs become part of an IoT-based closed-loop system that coordinates their activity and distributes energy consumption more logically among the individual RTUs. The enterprise-wide solution operates quietly in the background, requiring no human interaction to maintain or monitor its actions.

Deployed as a software-as-a-service (SaaS) solution, Swarm Logic typically saves customers 10%-30% on HVAC-related energy consumption, demand, and spend.

For additional information regarding Encycle's partnership with Lime Energy, or to learn more about the company's Swarm Logic energy management solution, please visit [encycle.com](https://www.encycle.com) or call 1-855-875-4031.

About Lime Energy:

Lime Energy, a Willdan Company, is a leading national energy efficiency provider for small business customers. The company designs and implements direct install programs for its utility clients, which consistently exceed program savings goals. Lime Energy's award-winning, integrated service programs provide utilities with reliable energy efficiency resources while delivering the highest customer satisfaction levels. This next-generation approach helps utilities across the country go deeper and broader with the cheapest, cleanest, and fastest energy resource that we have – energy efficiency. For more information about Lime Energy, visit www.lime-energy.com.

About Duke Energy:

Duke Energy (NYSE: DUK), a Fortune 150 company, is one of America's largest energy holding companies. Duke Energy is transforming its customers' experience, modernizing the energy grid, generating cleaner energy, and expanding natural gas infrastructure to create a smarter energy future for the people and communities it serves. The company provides electricity to 7.8 million customers in six states, and natural gas to 1.6 million customers in five states. Duke Energy is also a top U.S. renewable energy provider – operating wind and solar generation facilities across the U.S., as well as energy and microgrid projects. Duke was named to Fortune's 2020 "World's Most Admired Companies" list and Forbes' 2019 "America's Best Employers" list. For more information about Duke Energy, visit www.dukeenergy.com.

About Encycle:

Encycle is a data-driven technology company that is transforming energy management for multi-site commercial and industrial companies. The company leverages the power of artificial intelligence in its patented cloud-based technology to lower its clients' electric costs, maximize energy efficiency, and reduce environmental impact. Companies using Swarm Logic® routinely reduce HVAC electric costs and consumption by 10%-30% with little or no capital investment. For more information about Encycle, visit www.encycle.com, or follow the company on [LinkedIn](https://www.linkedin.com/company/encycle).

#