NEWS RELEASE

FuelCell Energy to Host National Laboratory-Supported AI Data Center Power Testbed in Connecticut Manufacturing Facility

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Testbed will model and validate integrated fuel cell, battery, and power electronics configurations against real-world AI data center load demand

DANBURY, Conn., Nov. 10, 2026 (GLOBE NEWSWIRE) -- FuelCell Energy, Inc. (Nasdaq: FCEL) today announced its participation in StabilityMax, a three-year collaborative project led by the U.S. Department of Energy's National Laboratory of the Rockies (NLR) that will develop and validate integrated power system architectures designed to support the rapidly evolving energy requirements of artificial intelligence (AI) data centers. The project also includes participation from Argonne National Laboratory (ANL).

As AI adoption accelerates, data centers are driving unprecedented demand for electricity and creating rapid fluctuations in power consumption. StabilityMax will develop and validate a testing and modeling framework to evaluate how fuel cells, energy storage, advanced controls, and power electronics can work together to deliver reliable, responsive power for AI data centers.

Under the project, FuelCell Energy will develop a fuel cell test facility in Connecticut, creating a national laboratory-supported testbed for evaluating integrated power solutions for AI data centers.

Combining FuelCell Energy's fuel cell technology and operating experience with NLR's expertise in AI infrastructure modeling and power systems engineering, the initiative will create the tools and insights needed to optimize system designs, validate performance, and support future deployment of integrated power solutions for digital infrastructure.

NLR will develop data center load profiles and simulation models that capture the dynamic power demands of modern computing infrastructure, providing a foundation for evaluating FuelCell Energy's fuel cell technology under realistic operating conditions. Argonne National Laboratory will complement this work with techno-economic and lifecycle analyses to help identify commercially appealing, cost effective deployment strategies.

StabilityMax is part of a broader initiative by NLR to support the growing energy needs of AI-enabled digital infrastructure. Through new modeling tools, planning platforms, and test environments, NLR is helping accelerate the development and deployment of the power systems needed to enable efficient fuel cell-powered data centers.

“AI infrastructure is creating unprecedented demand for reliable, flexible, and resilient power,” said Shankar Achanta, Chief Product and Technology Officer of FuelCell Energy. “StabilityMax brings together FuelCell Energy's operating experience and fuel cell technology with the expertise of leading national laboratories to better understand how integrated power systems can support the evolving needs of AI data centers. The insights gained through this work will help optimize system designs, validate performance under real-world conditions, and support future deployment of fuel cell-based solutions for digital infrastructure.”

“Fuel cells collocated with data centers provide unique solutions to meet the power demands of AI infrastructure,” said Zhiwen Ma, Principal Investigator at NLR. “Through this project, NLR will help demonstrate how integrated fuel cell systems can rapidly respond to data center power needs while limiting impacts to the utility grid and ratepayers.”

The project builds on FuelCell Energy's ongoing development of integrated power solutions for digital infrastructure. Earlier this year, the company announced a **collaboration with Siemens** to advance a **layered architecture** approach that combines multiple technologies operating across different timescales to support the evolving power requirements of AI data centers. Insights generated through StabilityMax are expected to further inform system design and deployment strategies for future digital infrastructure applications.

Eric Strayer, FuelCell Energy’s Head of Global Sales, commented, “FuelCell Energy is actively working with customers and partners deploying power solutions for digital infrastructure, and this project will provide valuable data and operating experience that can inform future deployments. As demand for AI infrastructure continues to accelerate and load profiles evolve with each new generation of chips, the insights gained through this work will help refine system designs and deployment strategies for integrating fuel cells, energy storage, and power electronics in data center environments.”

About FuelCell Energy

FuelCell Energy, Inc. (Nasdaq: FCEL) is a U.S. clean energy technology company that delivers continuous, scalable

baseload power for mission-critical applications worldwide. Its fuel cell systems generate electricity on-site at the point of use, providing reliable power for data centers, industrial facilities, utilities, and distributed-generation customers. Compact and modular by design, the systems deliver quiet, low-emission power while minimizing impacts on surrounding communities. FuelCell Energy provides proven utility-scale solutions for cleaner, more resilient local energy and has global deployments approaching one gigawatt. Learn more at **FuelCellEnergy.com**.

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