Fourth Power Begins Commissioning of First Full-Scale Demonstration of its Multi-Day Energy Storage Technology

Fourth Power's breakthrough energy storage technology is designed to provide reliable, affordable power during increasingly long periods of peak demand.

BEDFORD, MA, UNITED STATES, September 14, 2026 /EINPresswire.com/ -- Fourth Power, a leader in energy storage systems that store electricity as heat and convert it back into electricity using thermophotovoltaic (TPV) cells, today announced the opening of its new facility in Bedford, Massachusetts, where the company is building its first full-scale demonstration of its breakthrough technology.

> We've spent years building this technology. Today, we're taking a major step from development to demonstration."
>
> *Arvin Ganesan, CEO of Fourth Power*

The opening marks the start of a phased commissioning process to test, verify, and bring Fourth Power's energy storage system to full operational status step by step.

Once operational, the demonstration will showcase Fourth Power's ability to store electricity as heat and convert it back into dispatchable, on-demand power when the grid needs it most.

The need for new sources of reliable power is becoming increasingly critical across the United States. Electricity demand is growing rapidly, while periods of peak demand are becoming longer and more frequent. Extreme weather, including increasingly severe winter storms, can further intensify these events, putting pressure on an aging grid and threatening both reliability and affordability for customers.

The start of commissioning marks a major milestone in Fourth Power's transition from technology development to real-world operation and on its path to commercialization. Fourth Power's technology offers an alternative to aging and inefficient gas-fired peaker plants that are currently used to meet periods of peak demand.

"We've spent years building this technology. Today, we're taking a major step from development to demonstration. It's an exciting milestone for Fourth Power, but also an important step toward addressing one of the biggest challenges facing the US electric grid," said Arvin Ganesan, CEO of Fourth Power. "There is an urgent need to ensure grid reliability as our country experiences

more frequent and longer periods of peak demand. Beginning commissioning of this demonstration brings us one step closer to making multi-day, affordable, zero-emissions power a commercial reality."

Fourth Power's technology was founded and spun out of the Massachusetts Institute of Technology (MIT), and the company is now scaling its operations in Bedford, where access to world-class technical talent and Massachusetts' long-standing support for innovation have helped create an environment for the company to develop and commercialize its technology. The new facility will also support local job creation as Fourth Power expands its operations. For more information on Fourth Power, please visit: www.gofourth.com.

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ABOUT FOURTH POWER:
Fourth Power is a leader in energy storage systems that offer multi-day, dispatchable power at a lower lifetime cost than gas peaker plants. The company's breakthrough technology stores energy as heat in graphite at high temperatures and converts it back to electricity using high-efficiency thermophotovoltaic (TPV) cells. Fourth Power is backed by DCVC, Breakthrough Energy Ventures, and other leading energy investors. Learn more at www.gofourth.com.

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