



Utility of the Future—Capturing Multiple Revenue Streams from Storage Investments

With the traditional utility model rapidly changing, utilities are adopting clean, renewable energy solutions to meet increasing renewable standards enforced by local legislation. In addition to varying regulatory drivers, utilities are faced with unpredictable weather patterns, natural disasters, rolling power outages and outdated transmission and distribution networks.

Faced with these mounting challenges, West Boylston Municipal Lighting Plant (WBMLP) partnered with Amber Kinetics to install a 128kW/512kWh flywheel energy storage system in Massachusetts. The flywheels are co-located to an existing ground mounted solar array at a distributed energy generation facility. The flywheels were designed for energy arbitrage to reduce peak load and increase grid reliability.

Since being commissioned in April 2018, the flywheel system has seamlessly discharged over 116MWh of energy. In addition to unmatched efficiency and reliability, another key benefit to WBMLP is the minimal system maintenance. Unlike battery-based storage systems, there is no degradation with Amber Kinetics flywheel storage systems.



Run Time



MWh Discharged



About Amber Kinetics

Amber Kinetics is the industry-leader in manufacturing grid-scale kinetic energy storage systems (KESS). As the only provider of long-duration flywheel energy storage, Amber Kinetics extends the duration and efficiency of flywheels from minutes to hours—resulting in safe, economical and reliable energy storage.

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