Viridi™

CUSTOMER CASE STUDY

Pioneering Fail-Safe Distributed Energy Storage Systems

Behind-the-Meter Energy Storage for the Restaurant Industry

In Jan 2026, a full-service restaurant in Massachusetts installed Viridi's RPSLinkEX to reduce electricity costs and improve operational resilience. The system provides **on-bill savings through peak demand reduction while ensuring continued operation during grid outages**, protecting refrigeration, kitchen equipment, point-of-sale systems, and occupant safety.

INDUSTRY
Food Service

LOCATION
Massachusetts

IMPLEMENTATION

- RPSLinkEX
- Energy Capacity: 150 kWh
- Power Output: 30 kW continuous
- ***Monitoring:*** ViSTA Monitoring and Control Dashboard enables remote oversight with real-time alerts

CHALLENGE:

The restaurant faced two primary energy challenges:

High Utility Demand Charges

- Spikes in electricity usage during meal prep and service hours drove high peak demand charges on monthly utility bills
- Limited flexibility to reduce load during dinner rushes without impacting service or revenue

Lack of Energy Resilience

- Grid outages led to food spoilage risk, business interruptions, and lost revenue
- Conventional generators posed fuel storage, noise, and permitting challenges in an urban setting

The owner sought a solution that could lower operating costs, improve resiliency, and fit safely inside the existing building footprint.

THE SOLUTION:

A behind-the-meter energy storage system was installed to operate alongside the restaurant's utility service.

System Deployed

- Model: **RPSLinkEX**
- Energy Capacity: **150 kWh**
- Power Output: **30 kW continuous**

The system was configured to:

- Discharge during peak demand windows to reduce utility demand charges
- Seamlessly island during grid outages, maintaining service to critical loads
- Recharge during low-demand hours to maximize bill savings

MANUFACTURED IN BUFFALO NEW YORK USA

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WHY RPSLINKEX

The **RPSLinkEX** platform was selected for its combination of **safety, flexibility, and commercial-grade performance.**

Key Attributes

- Fail-Safe Anti-Propagation architecture allows for deployments where many Li-Ion systems are not permissible - in and around occupied buildings and critical equipment
- Integrated controls for peak shaving and backup operation
- Outdoor wall-mounted electrical enclosures made for a quick and minimally invasive installation process

The solution met Massachusetts electrical codes and utility interconnection requirements without extensive infrastructure upgrades.

RESULTS & BENEFITS

Immediate On-Bill Savings

- Reduced monthly demand charges by limiting peak load during high-cost intervals
- Improved energy cost predictability

Operational Resiliency

- Continued operation of refrigeration, lighting, POS systems, and select kitchen equipment during outages
- Avoided food loss, downtime, and emergency closures

Business Continuity

- Enhanced customer confidence and staff safety
- Reduced reliance on fossil-fuel backup generators

Sustainability & Planning

- Lower overall carbon footprint compared to diesel backup solutions
- Platform-ready for future integration with solar PV or demand response programs

Discover the full story—contact us now.

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