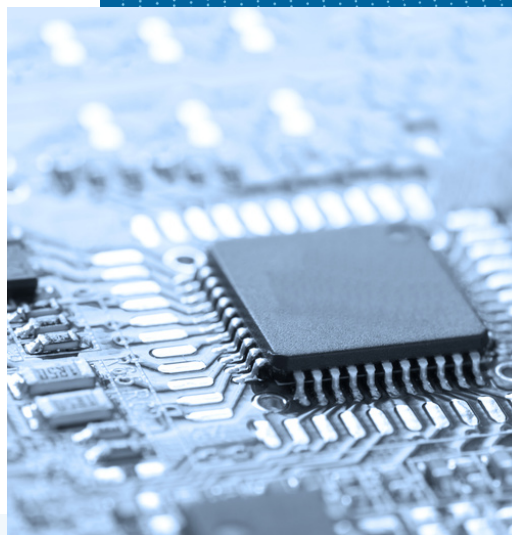


# Enhanced Operations with On-Site Energy

**\$10M+ of Lifetime Energy Savings**  
**Semiconductor Manufacturer**  
**Greater Boston Area, MA | Installed 2021**



## Challenge

Recurring utility disruptions impacted sensitive manufacturing operations.

The manufacturer required:

- Seamless power continuity
- On-site resiliency
- Integration with existing thermal and cooling systems
- Contracted long-term energy pricing
- Capital preservation for core manufacturing
- Energy savings

## Solution

Renew provided a turnkey microgrid, including design, financing, and ongoing operations.

- 15-year Power Purchase Agreement (PPA) with an availability guarantee
- Serves 90% of building's total demand and 100% of critical demand
- Integrated on-site generation into existing steam, hot water, and chilled water systems
- Upside value sharing through earnings from ISO and demand response markets
- PPA structure preserves customer capital for core business investments

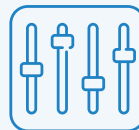
## Technology



**2.7 MW Combined Cooling  
Heating and Power (CCHP)  
plant**



**630 kW Battery Energy  
Storage System (BESS)**



**Microgrid controls**



**ISO and Demand Response  
Market Participation**

## Outcome

- \$1.2M in energy savings in 2024
- ~1,900 MT of CO<sub>2</sub> reduction annually
- Long-term energy price stability through a contracted PPA
- Enhanced resiliency for mission-critical manufacturing
- Improved facility uptime
- Customer reimbursed for early feasibility and development costs



**RenewEnergy**  
PARTNERS

# Powering What's Possible

## Engineering + Capital for critical building infrastructure

>\$1 billion of C&I energy systems developed

Institutional capital for turnkey financing

100+ years of cumulative operating experience

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Trusted infrastructure partner for world-class companies

