

A Microgrid Solution For Your Logistics Facility

Microgrids with solar, cogeneration, and battery storage can support growing energy needs.

As distribution centers evaluate their energy needs, energy and facility leaders typically face one or more of four challenges as they work to deliver the best customer service:



1. Resiliency

Ensure resiliency for operations even during long-duration outages



2. Sustainability

Meet evolving ESG and sustainability commitments of corporate leadership



3. Capex

Meet supply chain cost targets by reducing energy costs



4. Savings

Meet supply chain cost targets by reducing energy costs for the facility

Unison Energy

Unison Energy is enabling the energy transition for our customers. On-site microgrids support corporate ESG initiatives while providing resilient power — and our ESA model helps alleviate capital constraints and rising energy costs. A Unison microgrid allows logistics facilities to take control of their energy future:

- **Combined heat and power (CHP)** provides reliable, cost-effective electricity and can operate in island mode to provide power to the facility when the utility is down
- Adding in **solar** and **battery storage** where possible, including in parking lots and adjacent land, increases renewable energy
- Including EV charging stations for delivery vehicles supports the energy transition
- Using the **waste heat** to power thermal applications improves efficiency and reduces the carbon footprint of the distribution center



A Turn-Key Energy Solution

Unison Energy uses the Energy as a Service (EaaS) model to invest in facilities. We sign a long-term contract to provide electricity and thermal energy. We invest all of the capital required and handle permitting, engineering design, equipment, construction, and ongoing maintenance. We only bill for energy used by the facility.

Typically our clients see:

- 5-15% saved on total gas and electric bills
- 20-60% reduced CO2 emissions depending on location and thermal load
- 60-85% system efficiency vs. 38% grid efficiency

Our scope includes on-site microgrids using CHP, solar, and battery storage, but can be expanded to include energy infrastructure upgrades such as infrastructure for electric vehicles, including additional power, electrical gear upgrades, or charging stations.

An on-site microgrid is an investment in the future. As additional technologies and fuel sources become available, such as biofuels, renewable natural gas, hydrogen, and carbon capture, they can also be incorporated into the existing infrastructure.

Unison Energy as a partner:



Build

Our team has experience permitting and building hundreds of sites, including everything from utility power plants to fuel cells to small CHP installations



Operate

Our operations team leads the industry in uptime, with a 24/7 staffed monitoring center, dedicated field service technicians, large inventory, and proprietary technology



Energy as a Service

Our projects stay on our balance sheet. Under the terms of our 15- to 25-year energy services agreements (ESA), our customers make no initial investment and instead make payments based on their energy usage