

A Microgrid Solution

For Your Industrial Laundry Facility

Microgrids with cogeneration, solar, and/or battery storage support thermal efficiency and offer energy savings for industrial laundry facilities.

With the passage of the Inflation Recovery Act, the time is now for U.S. industrial laundry facilities to take advantage of enhanced incentives for on-site microgrids.

As industrial laundry facilities evaluate their energy needs, energy and plant leaders typically face one or more of four challenges as they work to optimize their operations:



1. Savings

Improve thermal efficiency and save on hot water and steam generation



2. No Capex

Commit capital to upgrade infrastructure in order to increase plant production and throughput



3. Sustainability

Exceed plant sustainability goals with carbon-free hot water and steam



4. Resiliency

Ensure resiliency to allow for production even during long-duration outages

Unison Energy

Unison Energy is enabling the energy transition for our customers. On-site microgrids support significant energy and thermal savings at no upfront cost to our clients: our **ESA model** helps alleviate capital constraints and rising energy costs. A Unison microgrid allows laundry 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 plant when the utility is down
- Using the **waste heat** to offset boiler usage improves efficiency and reduces the carbon footprint of the production process
- **Central plant upgrades**, including boilers and upgraded steam systems, can be incorporated in the ESA structure with no upfront capital to our clients
- Including **EV charging** stations for delivery vehicles or plant employees supports the energy transition energy transition



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 also apply for energy tax credits and incentives to further offset costs, thereby lowering your energy bill. We only bill for energy used by the facility.

Typically our clients see:

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

Our scope includes on-site microgrids using CHP, solar, and battery storage, but can be expanded to include energy infrastructure upgrades such as boiler and steam upgrades, HVAC replacement, and EV 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, and hydrogen, they can be incorporated into the existing infrastructure to further reduce carbon footprint and capitalize on additional government tax credits. Electrification of everything from vehicles to heat pumps can also be incorporated into the system.

Unison Energy as a partner:



Build

Our team has experience permitting, designing, 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

To learn more about how a Unison Energy microgrid could benefit your industrial laundry facility, please contact our sales team at sales@unisonenergy.com or visit us at unisonenergy.com.