

Turn Energy Data Into Action

How Submetering Helps Building Owners Reduce Waste, Verify Savings, and Improve Building Performance

Energy costs remain one of the variable expenses for building owners, yet many organizations still rely on monthly utility bills as their primary source of energy information. While utility bills provide a summary of overall consumption, they offer limited insight into where energy is used, what is driving consumption, and where opportunities for improvement exist.

Effective energy management requires a deeper understanding of how energy is consumed throughout a facility. Submetering provides that visibility by measuring energy use at the building, system, panel, circuit, tenant, or equipment level. This additional insight helps organizations identify inefficiencies, verify savings, and make more informed decisions about building performance.

➤ Understanding Energy Use

Commercial buildings consume energy through a variety of systems, including lighting, HVAC equipment, plug loads, water heating, elevators, and specialized operational equipment. Each system contributes differently to overall consumption and operates according to unique schedules and requirements.

When energy use is viewed only through a utility meter, important consumption patterns can remain hidden. Understanding how energy is used is the first step toward identifying waste, improving efficiency, and reducing costs.

Detailed measurement helps reveal consumption patterns that are often hidden within overall building usage.

➤ What Is Submetering?

Submetering measures energy consumption beyond the utility meter, providing a more detailed view of how electricity is used throughout a facility.

Common applications include:

- Individual buildings
- Tenant spaces
- Electrical panels
- HVAC equipment
- Lighting systems
- Process and manufacturing equipment
- Data centers
- Critical power systems

By measuring energy consumption at specific locations, submetering provides a clearer view of how individual systems, spaces, and equipment contribute to overall energy use.

> Benefits of Energy Submetering

Understand Energy Use

Gain visibility into how systems, spaces, and equipment contribute to overall energy consumption.

Identify Energy Waste

Detect inefficiencies and unnecessary energy use that may not be visible through whole-building data alone.

Prioritize Improvement Efforts

Focus resources on the areas with the greatest potential for energy and cost savings.

Verify and Sustain Energy Savings

Measure the impact of efficiency projects and confirm that results continue over time.

Reduce Demand Costs

Identify demand peaks and the systems contributing to them.

Support Better Decision-Making

Use detailed energy information to support operational, maintenance, and capital planning decisions.

Key Takeaway:

Detailed energy data helps organizations move from measuring consumption to actively managing performance.

Regardless of facility type, the objective remains the same: better understand energy use and support ongoing performance improvement.

> From Energy Data to Energy Management

Collecting energy data does not reduce consumption. The value of submetering lies not in collecting more data, but in applying conservation measures that the data reveals, validate results of those measures, and support ongoing performance improvement. Ongoing measurement helps organizations monitor performance and ensure that energy-saving initiatives are sustainable over time.

> Conclusion

Submetering provides the visibility needed to evaluate energy performance, validate savings, and support continuous improvement.

As energy costs continue to rise and facility operations become more complex, organizations that effectively measure and manage energy use will be better positioned to reduce waste, control costs, and improve operational performance.

Effective energy management begins with understanding how energy is used. Submetering provides the foundation for turning energy data into informed action.

Leviton Manufacturing Co., Inc.

201 N Service Rd, Melville, NY 11747

Telephone: 1-800-323-8920 • Tech Line: 1-800-824-3005 (M-F 8AM-10PM EST, Sat 9AM-7PM EST)

Visit our Website at: leviton.com/verifeye

SCAN TO EXPLORE ALL
PRODUCT DETAILS &
VIDEOS

