

# **HOT SPOTS FOR ENERGY SAVINGS USING E-MON SUBMETERING**

Education Campuses



**Honeywell**

# E-MON SUBMETERING EDUCATION CAMPUSES

In a report from Environment America, it notes over two-thirds of the energy consumed in the U.S. is wasted. College campuses are no different. Campus buildings consume more than four-fifths of the energy used by universities. Improving energy efficiency can cut overall energy use by up to 60 percent.<sup>1</sup> Honeywell E-Mon submeters are an energy efficiency measure to help building managers address energy needs. They provide a solution that delivers comprehensive monitoring options, and allows managers to track energy costs by area, department or equipment.

Honeywell E-Mon submeters can help deliver energy savings in multiple areas.

## EVENT ALLOCATION

Sporting events, theatre productions and concerts require large amounts of energy. Campuses can deploy submeters to monitor usage of parking and stadium lighting, sound systems and vendors in order to accurately allocate energy costs back to the event sponsors. Campuses that generate accurate energy usage statements for special events avoid costly estimation errors and ensure that event energy costs are recovered.

## LEASED SPACES

Restaurants, coffee shops, media centers and retail stores all play an important role on a college campus. These leased spaces use energy at different rates. Campuses can install submeters to monitor each individual space to generate energy statements based on individual energy use. This increases tenant satisfaction as they are only accountable for the energy they use, while the campus benefits from recovering tenant energy costs. Campuses also install submeters on common areas, allowing them to more effectively manage these costs.

## DEPARTMENT ALLOCATION

Most college departments have classrooms and administration offices with budget accountability. Metering each department allows users to take advantage of energy-saving opportunities that may be as simple as turning off lights or computers when rooms are not in use. When department budgets include energy use, users are inclined to take the necessary steps to ease the impact on their budgets by reducing overall energy use.

## STUDENT HOUSING & DORMITORY MONITORING

Students use energy, and if held accountable for what they use, they will consume less. This is the premise for metering energy consumption in student housing and dormitories. Campuses install submeters on individual spaces and generate usage statements for each student. Because they are responsible for the energy they actually use, students are more inclined to take energy-saving measures such as closing windows, keep heat or air conditioning from running and turning off lights and other electronic items.

## EQUIPMENT MAINTENANCE PROGRAMS

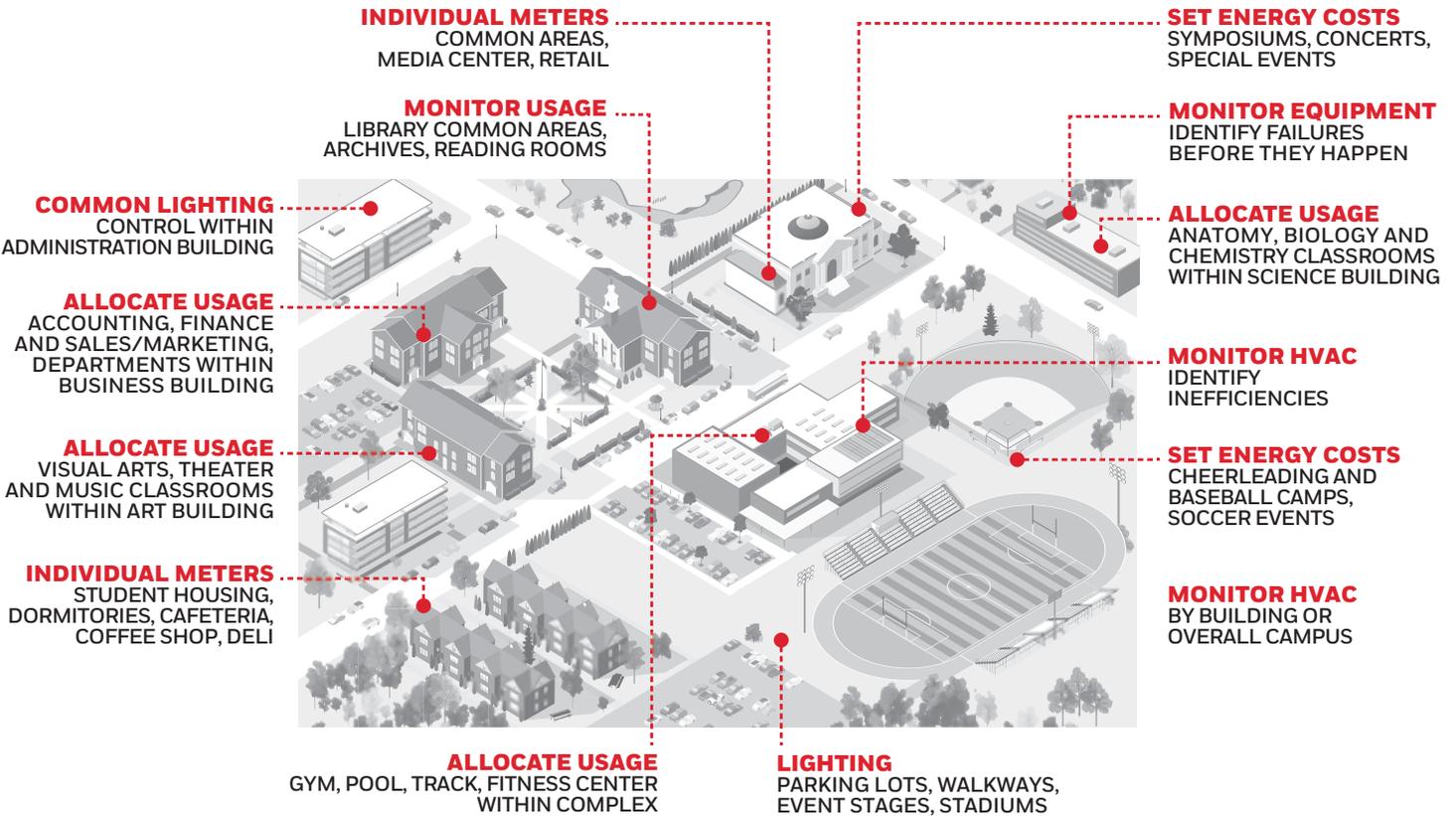
As the cost of education increases and budgets are more constrained, it is more important than ever to avoid costly equipment replacement. Submeters can be installed on key pieces of equipment to identify potential equipment failures. This allows facility managers to take steps to schedule repairs before equipment fails, thus avoiding costly and unexpected downtimes.



<sup>1</sup> <https://environmentamerica.org/feature/ame/cleanest-energy-conservation-efficiency>

# E-MON SUBMETERING EDUCATION CAMPUSES

## TYPICAL CAMPUS FACILITY METERED POINT MAP



### Applications

- Allocate energy usage to specific departments and/or buildings
- Analyze HVAC equipment to identify inefficiencies
- Monitor building equipment to identify potential failures before they happen
- Control usage to individual tenants
- Accurately monitor common areas
- Track costs of energy used during events

### Additional metered items

- Total common areas
- HVAC equipment by building or overall campus
- Lighting for parking lots, walkways, event stages and stadiums
- Specific departments within class buildings
- Common area lighting within buildings
- Individual meters for leased spaces
- Specific departments within administration

### Alternative system configurations

- Automatic meter reading – install IDRs to gather meter data so meters can be remotely read via computer
- Utilize E-Mon Energy™ software to generate individualized tenant usage statements, demand profiles and energy graphs
- MMU Cabinets – order meters installed in one compact enclosure and save installation time and valuable building space



### Free Site Evaluation

To receive a free review of your education campus or for more information about Honeywell E-Mon submeters, please visit [hwl.co/energymeters](http://hwl.co/energymeters)

**For more information**

[hwl.co/energymeters](http://hwl.co/energymeters)

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