CASE STUDY

Tracking Sustainability and Efficiency at Virginia Military Institute

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SCOPE

Edison Energy's Engineering Solutions team was contracted by Virginia Military Institute (VMI) to install submeters for 23 Institute buildings to monitor each of the building's electricity, natural gas, and steam usage. The energy monitoring initiative was implemented to help the Institute keep tabs on energy consumption as well as to easily identify and minimize waste. All of the submeters feed into the energy dashboard via one software program, creating a unique, user-rich experience through an interactive campus map that allows for continual real-time monitoring of building energy use and process status.

CLIENT
Virginia Military Institute

MARKET
Institutional

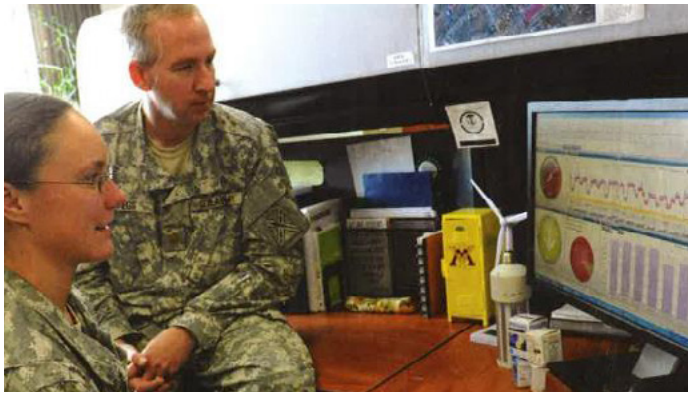
OFFERING
Energy Monitoring

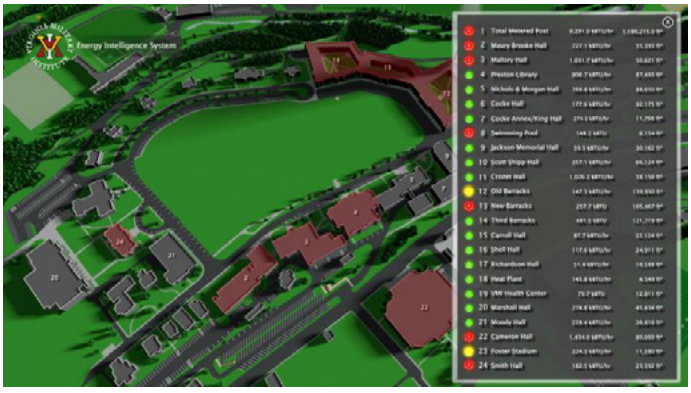
PROJECT RESULTS & KEY METRICS:

23 submeters installed
› Used to track electricity, steam and natural gas usage

Approx. **$275,000** received in grants

Expected drop in energy consumption of **5** to **20 percent**





Maj. Jenny deHart and Maj. Todd Pegg review data from the VMI Energy Intelligence System.

–VMI Photo By Kevin Remington

Virginia Military Institute (VMI)

MISSION

To prepare educated, honorable, and steadfast leaders.

CUSTOMER VALUE

The system is useful in maintaining building efficiency. According to Maj. Jenny DeHart, staff engineer and sustainability coordinator, "We can look at how buildings operate over the course of the day and see if utilities are trending as we would expect."

While most of the project was funded by grants, upon completion the total spent was $303,000. **The Institute has the potential to see a 5-20% drop in energy usage based on the data obtained from the system.**

Edison Energy is an independent energy advisory and solutions integration company with the capabilities to develop and implement a broad portfolio of energy services for commercial, industrial and institutional organizations. We help customers reduce their energy costs, improve the environmental performance of their operations, ensure energy resiliency and manage exposure to energy price risk.

> **"We will be able to track the savings from projects in a way we've never been able to before."**
>
> **MAJOR JENNY DEHART**
> *Chief Sustainability Officer*
> *Virginia Military Institute*