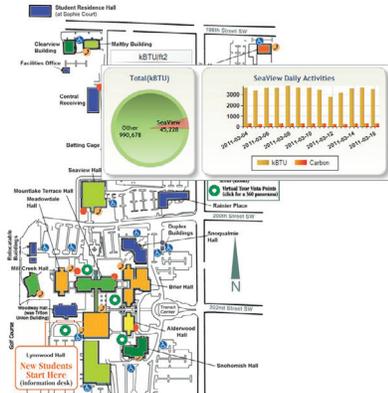


# Edmonds Community College Case Study

With GridNavigator ([www.GridNavigator.com](http://www.GridNavigator.com))

Edmonds Community College serves over 20,000 students on its 50-acre campus in Lynwood, Washington. The campus is made up of over twenty-two different facilities including a digital design studio, a regional transit center, an art gallery, two greenhouses, twenty-eight computer labs, a data center, and others all with centralized heating and cooling. It can be a challenge for facilities management under the best of circumstances. The challenge EDCC faced was serious, while they have an Alerton Building Management System (BACnet & IBEX) for operation of critical systems, they were flying blind on where to focus their efforts to optimize energy efficiency. EDCC had only four sub-meters on the campus to monitor energy usage. In addition, regulations requiring regular Energy Star and GHG reports were developed manually via spreadsheets. EDCC was not in a position to take proactive steps based on detailed real-time measurements. Further, EDCC did not have the ability to measure and verify the efficacy of efficiency projects.



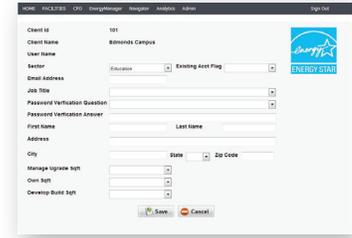
## The Solution (GridNavigator)

GridNavigator, a Washington based green technology company, partnered with EDCC to develop a solution that wouldn't break the bank and would meet their specific requirements. After a comprehensive assessment of EDCC requirements, the GridNavigator team collaborated with EDCC facilities management to recommend a solution that met their requirements without the high cost of extending and customizing the Alerton BMS. EDCC is now able to:

- Real-time BACnet gateway into BMS plus additional sub-metering
- Access a dashboard [www.CarbonIndex.com](http://www.CarbonIndex.com) to view and analyze energy use at all of their twenty-two facilities in real-time and maintain historical data to evaluate trends.
- Create a Dynamic Benchmark of facilities and zones within facilities

- Automatically generate Energy Star and GHG reports and ratings
- View a heat map of the campus for energy use for any time period they choose

GridNavigator provides a low cost integrated hardware/software solution that meets most of the practical needs of RCM and Facility Management professionals.



GridNavigator is able to provide this because of its unique approach to the problem:

- Integration with existing Building BMS (Johnson controls, Honeywell, Alerton, Siemens etc). By integrating with existing systems GridNavigator is able to take advantage of whatever sub-metering is already in place.
- By providing a cloud based solution there is minimal impact to IT, no need to install software and server hardware, and therefore no upfront capital costs associated with the software as with standard BMS software.
- GridRadar is a low cost sub-metering hardware device that is a fraction of the cost of other offerings.
- No new wiring. Use existing data Ethernet line.

The GridNavigator platform is based on LonWorks. By leveraging a standards based architecture, GridNavigator is able to keep its hardware costs to minimum while providing reliable products based on well-established technology standards.

## Pricing Guidelines:

GridNavigator's realizes that your environment is unique, for any implementation an assessment is required to develop a proposal that specifically meets your requirements and budget constraints.

**Price: \$2,800-\$15,000 per building.**