



sustainableune

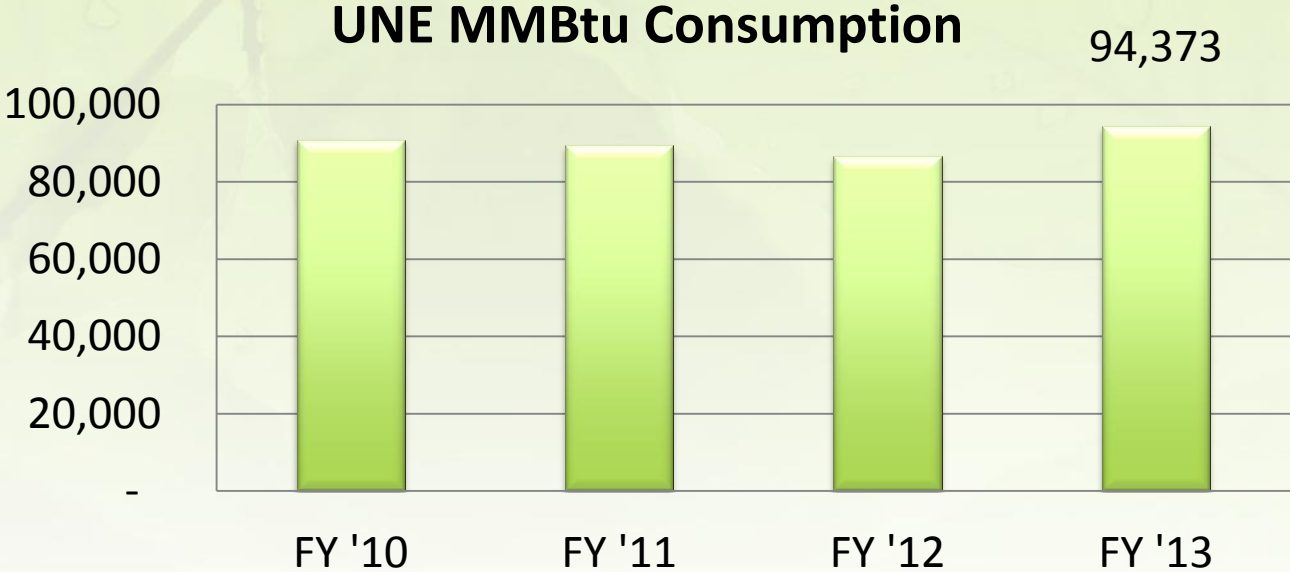
**Building Automation
Control Project –
Biddeford Campus**

**Alethea Cariddi
Sustainability Coordinator**

University of New England

Growth

- Served 6,003 students in FY '13 – 34% growth in 5 years
- 1.31 million square feet – 40% growth in 5 years



Project Scope

Building Automation Control Project

- Measures covered 13 buildings on Biddeford Campus
- \$308,320 project cost
- 50% matching funds through EMT
- Project partner: Trident Controls



Savings

Calculated Annual Projected Savings

- Fuel:
 - 550,000 kWh
 - 26,500 gallons of LPG
 - 1,750 gallons of #2 oil
 - 5,000 gallons of #4 oil
- 528 MTCDE
- \$122,000 in fuel/utility costs



Alfond Center for Health Sciences

- CO₂ occupancy sensors
- Night set-backs
- Variable speed drives
- Direct digital control upgrades



Stella Maris Hall

- CO₂ occupancy sensors
- Night set-backs
- Direct digital control upgrades



Marine Science Center

- Direct digital control upgrades



Residence Halls

Champlain, Featherman, East and West Halls

- Direct digital control upgrades
- Reset hot water temp based on outside air
- VFDs in Featherman



Marcil Hall

- Direct digital control upgrades
- VFD installations



Future Focus

- Portland Campus building automation control project
- Continuous commissioning
- LED lighting retrofits
- Efficient design
- New technologies
- Renewable energies
- Culture



Thank you!

Alethea Cariddi
(207) 602-2507
acariddi@une.edu

