



## MATERIALS & RESOURCES

- **23%** of building materials were extracted, processed, and manufactured regionally
- **90%** of construction wastes were diverted from landfill
- **20%** of new construction materials utilize recycled content
- **50%** of wood products are FSC certified



## INDOOR ENV. AIR QUALITY

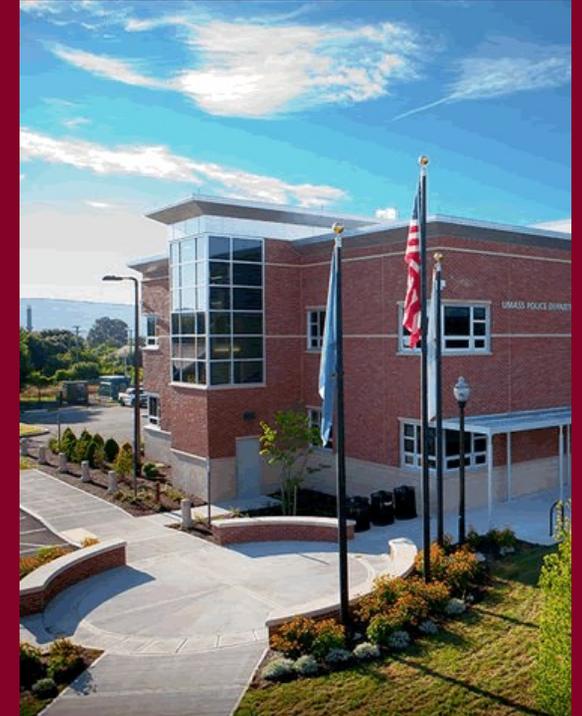
- Implemented an Indoor Air Quality Program during construction
- Low-VOC paints, adhesives, sealings, and coatings ensure the health and safety of building occupants
- Lighting and demand-controlled HVAC systems utilize occupancy sensors for energy efficiency and air quality

### TAKE ACTION TODAY!



# POLICE STATION

## GREEN BUILDING GUIDE



**UMassAmherst**  
The Commonwealth's Flagship Campus

## PROJECT OVERVIEW



Completed in April of 2011, the \$12.5 million, 27,130 S.F. UMass Police Station is inviting and approachable to visitors, while maintaining the high level of safety and security required for a police station. Originally located in Dickinson Hall, the new facility relocates UMass police services to the campus perimeter, preserving the core for students, faculty, and academics. The facility operates 24/7 around the clock, 365 days a year, and includes spaces for police training, patrol, investigation, and emergency response.

The facility serves a public safety and teaching role on the university campus. A green kiosk in the lobby provides educational information to students about the building's green features, and displays live building energy usage statistics. Designed by Caolo & Bieniek Associates, Inc., it is the first new construction project on the UMass campus designed to meet LEED standards, and achieved Gold certification in 2011.



## SUSTAINABLE SITES

- Implemented erosion and sedimentation control measures
- Native species landscaping requires no irrigation
- Proximity to three bike routes, with facility bike storage and changing rooms provided
- Campus-wide Carpooling Program - Three carpool, and four low-emission vehicle parking spots provided on site
- Light colored roof mitigates the heat island effect



## WATER EFFICIENCY

- Onsite stormwater pond reduces runoff
- High-efficiency condensing boiler for domestic hot water use
- Achieved a **41%** reduction in potable water use via the installation of low-flow plumbing fixtures



## ENERGY & ATMOSPHERE

- **43%** overall reduction in energy use
- Energy recovery ventilation
- Ground loop heat pump redistributes heat to high priority areas
- **21%** window-to-wall ratio. Double-glazed, argon-filled windows with thermally broken window frames
- Integrated daylight and occupancy sensors

