

# TRANSYLVANIA COUNTY PUBLIC SAFETY CENTER BREVARD, NORTH CAROLINA

## County Commitment to High Performance Design



Size: 63,000 S.F.  
Budget: \$17,000,000  
Bid: \$16,800,000  
Completed: 2009

The new LEED Silver Transylvania County Public Safety building provides space for the county's police, detention, and emergency functions. The facility also houses a 120-bed jail, Sheriff's offices, E-911 dispatch, and an Emergency Operations Center.

In demonstrating wise use of taxpayer dollars, the county decided to incorporate green building principles into the facility, improving energy and water performance, while protecting the local and global environment. The facility was designed and constructed according to the guidelines set forth in the U.S. Green Building Council's LEED Green Building Rating System for New Construction, version 2.2. Sustainable strategies included:

- preserving forest and vegetated open space totaling over 50 percent of the site;
- using an Energy Star® compliant, highly-reflective roof membrane to lessen "heat island" effects and help keep the building cool;
- carefully placing and selecting exterior lighting to conserve energy and reduce pollution of the night sky;
- reducing water use by 42 percent through low-flow plumbing fixtures in both administrative and detention areas;
- using energy and water efficient kitchen equipment;
- diverting 71 percent of construction waste from landfills to recycling centers;
- using recycled building materials and FSC-certified doors;
- creating indoor air quality management plans and using low-emitting building materials to safeguard occupant health; and
- employing individual lighting controls that enhance occupant comfort and reduce energy consumption.

