

# ROCKINGHAM COUNTY JUDICIAL CENTER WENTWORTH, NORTH CAROLINA

## Enforcing Energy Efficient Stewardship



*Size: 184,516 S.F.  
Budget: \$39,059,000  
Bid: \$37,757,000  
Completion: 2011*

The new Rockingham County Judicial Center will provide for the county's courthouse, jail and law enforcement services through a three-story facility situated on a 38 acre site. Programmed to accommodate 359 employees and an eventual 300 inmates, the facility is also the first judicial center in the state to seek certification from the U.S. Green Building Council's LEED® Green Building Rating System.

Among the center's high performance and green building design strategies are:

- an Energy Star® compliant, highly-reflective roof membrane to lessen "heat island" effects and help keep the building cool;
- rain cisterns to provide landscape irrigation and aid in stormwater management;
- preferred parking for carpool and low-emitting, fuel efficient vehicles to alleviate automobile traffic and pollution;
- a 33 percent decrease in building water consumption through low-flow and dual-flush plumbing fixtures, saving over a million gallons of water annually;
- energy-efficient technologies projected to reduce energy expenditures by 20 percent;
- recycled building materials and FSC-certified wood;
- outdoor air delivery monitoring systems to ensure an adequate supply of fresh air to each building zone;
- individual lighting controls that enhance occupant comfort and reduce energy consumption; and
- environmentally-friendly housekeeping and pest management program.