

NEW PK-8 SCHOOLS HAMPTON CITY, VIRGINIA

A NEW STANDARD FOR HAMPTON CITY PUBLIC SCHOOLS

Size: 202,814 SF (each)
Budget: \$77,600,000 total
Est. Completion: 2009



Hampton City Public Schools is adding two new PK-8 schools that will each accommodate 1,300 students. Complete with playing fields, gyms, dining halls, as well as art, music, science, technology and reading rooms, the two schools will be the first in the city to seek Leadership in Energy and Environmental Design (LEED®) certification with the U.S. Green Building Council. High performance strategies that will be part of the schools' design and construction include:

- Preserving open space beyond the minimums required by local ordinance.
- Conveniently locating bike racks and preferred parking for low-emitting, fuel efficient vehicles to alleviate automobile traffic and pollution.
- Using a light colored, highly reflective metal roof to reduce urban “heat island” effects and help keep the building cool.
- Reducing building water use through low-flow plumbing fixtures and kitchen equipment.
- Employing energy-efficient technologies predicted to save over 15 percent on energy bills, such as low-e glass, increased insulation, and motion detectors to turn off lights during unoccupied periods.
- Carefully selecting air-conditioning refrigerants to minimize damage to the ozone layer and contribution to the greenhouse effect;
- Recycling glass, plastics, metals, paper, and cardboard during school occupancy, combined with a construction waste management plan to recycle or reuse over 50 percent of the waste generated during construction.
- Installing wood doors, gym floor, and cabinets with Forest Stewardship Council (FSC) certification.
- Including sensors for monitoring indoor air quality, to improve occupant comfort and reduce unnecessary energy use.
- Creating indoor air quality management plans to safeguard occupant health both during and after construction.