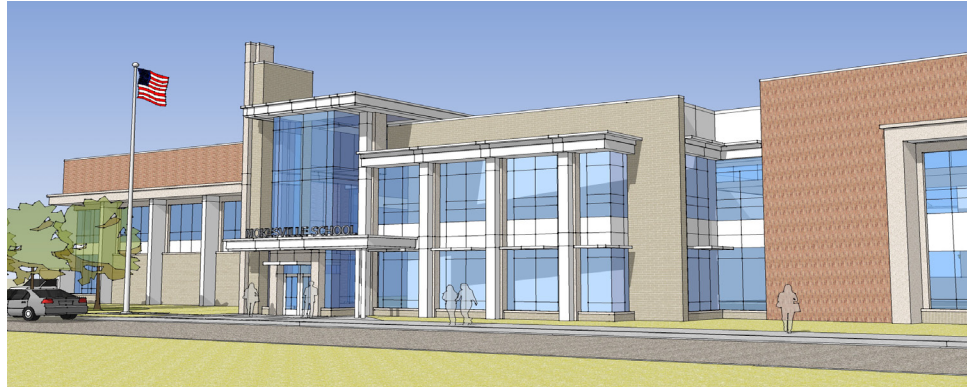


NOKESVILLE K-8 SCHOOL NOKESVILLE, VIRGINIA

A LEED® SILVER GOAL FOR PRINCE WILLIAM COUNTY

Size: 141,500 SF
Budget: \$33,015,790
Bid: TBD
Est. Completion: 2014



The new 141,500 square foot Nokesville K-8 school for Prince William County Public Schools will be constructed on Aden Road in the Brentsville Magisterial District of the county. The new school will accommodate approximately 940 students and 80 full-time staff. The project is pursuing LEED® (Leadership in Energy and Environmental Design) Silver certification upon completion, and the green building strategies will allow the school to be used as a teaching tool. High performance strategies that are part of the schools' design and construction include:

- preferred parking and drop-off areas for low-emitting and fuel-efficient vehicles;
- installing highly reflective roof materials to reduce the heat island effect and help keep the building cool;
- installing cisterns on site to capture stormwater roof runoff, which results in a non-potable water irrigation system;
- using low-flow fixtures to reduce water usage by over 30 percent;
- implementing a solar hot water system to help offset hot water needs in the kitchen;
- using energy efficient exterior envelope strategies such as low-e glass, increased insulation, and daylight sensors to reduce energy bills by a modeled 18 percent;
- promoting a healthy indoor air environment by choosing non-toxic paints, adhesives and materials which contain no or low volatile organic compounds;
- implementing a green cleaning program and non-toxic interior pest management practices;
- using an internet-based tracking system to monitor the school's use of energy and water on a daily, monthly, and yearly basis; and
- reducing the site utility infrastructure through the use of self-contained, off-the-grid exterior light posts powered by helical wind turbines and photovoltaic cells.