

# TYLER REPLACEMENT BUILDING AT NORTHERN VIRGINIA COMMUNITY COLLEGE



Size: 78,000 SF  
Budget: \$ 32,420,000  
Est. Completion: August 2012

The Tyler Replacement Building is intended to provide the spaces necessary to support the academic pursuit of music, dance, drama, and the studio arts, including digital graphic design and photography. To reduce the environmental effects of development, the project team is incorporating environmentally-sound design and construction standards and principles. To guide decisions affecting site development; energy and water efficiency; indoor air quality; material selection; and recycling, the project team is employing the U.S. Green Building Council's LEED® rating system with the goal of achieving a LEED Silver rating. The project will feature the following sustainable design and construction elements:

- low-flow plumbing fixtures to reduce water use by over 30 percent;
- exterior light fixtures that help prevent light pollution;
- highly-reflective roofing to reduce the Heat Island Effect and the building's cooling load;
- variable-air-volume (VAV) HVAC system and CO<sub>2</sub> sensors to reduce energy use through demand-controlled ventilation;
- daylighting to reduce reliance on electric lighting;
- indoor air quality management during construction to prevent contamination of materials and the building mechanical system;
- low-emitting adhesives, sealants, paints, coatings, carpet, and composite wood materials for better indoor air quality;
- recycled content materials manufactured within 500 miles of the project site;
- forest Stewardship Council certified wood materials; and
- waste management during construction.

In addition to these features, sustainability planning for the facility will include the development of a green cleaning policy to be implemented following construction.