

WINTERGREEN

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A monthly update on Steven Winter Associates, Inc.'s work in the realm of Energy Efficient, Sustainable, and High-Performance Buildings

LEEDing by Example

Arlington County, Virginia, is leading by example--it currently has five registered LEED (Leadership in Energy and Environmental Design) projects underway, including the new Aurora Hills Complex (see computer model), the design of which was the focus of a recent LEED workshop. Since the county is responsible for the building's operational costs, it has mandated energy efficiency as part of the design.



A Silver LEED rating is the goal for Aurora Hills. High indoor air quality and natural lighting are priorities for the project, designed by **Lavigne Associates Architects** in association with **Colimore Clarke Associates Architects**. Steven Winter Associates, Inc. (SWA) is consulting on the LEED certification and will model the building in DOE-2.1E to study various central plant strategies. Firehouse design requires special attention to indoor air quality, as idling fire trucks, smoke-saturated uniforms, and residue from hazardous materials demand well-coordinated ventilation systems. Completion is scheduled for 2003.

“Green and Clean” in New York



New York State is practicing what it preaches in the design and construction of two environmental centers. Stony Kill Farm Environmental Center in Wappingers Falls and Rogers Environmental Education Center in Sherburne, both existing facilities (see photos), will feature additions designed by **Stein White Nelligan Architects**. The projects must comply with New York State Executive Order Number 111



“Green and Clean State Buildings and Vehicles,” directing state agencies to be more energy efficient and environmentally aware. The strategy is intended to allow energy markets to operate more competitively by linking environmental protection with economic growth. One of the goals is to reduce energy use of state buildings 35 % by 2010 relative to 1990 levels. The law further encourages environmentally conscious design by referencing the New York State Green Buildings Tax Credit and the LEED rating system of the **U.S. Green Building Council**. SWA, the green/LEED consultant on the projects, conducted a workshop sponsored by the **Department of Environmental Conservation** and the **New York State Energy Research and Development Authority**, which was attended by 22 people, including representatives of the various state agencies, the architects, and consultants. SWA also reported on the projects' progress

