2011 Lower Cape Fear Stewardship Development Award Winners

Significant Achievement

Sunset Beach Fire Station #2 – 7149 Old Georgetown Rd, Sunset Beach, NC
The Sunset Beach Fire Station #2 is a recently completed multi-bay fire station intended to provide expanded services and increased emergency response times to the growing Town of Sunset Beach. The projected LEED Silver structure can serve as a model to other municipalities that the provision of needed services does not have to compromise environmental protection.
Environmentally friendly elements include:

- Solar hot water heater
- Geothermal heat pump
- Day lighting features
- Light external colors for heat island reduction
- Energy efficient windows and roof insulation
- Low VOC paint

Outstanding Recognitions

New Brooklyn Homes at Robert R. Taylor Estates – 1205 N. 5th Ave, Wilmington
New Brooklyn Homes at Robert R. Taylor Estates is a multi-family residential community developed by Housing and Economic Opportunities, Inc. (HEO), a non-profit development arm of the Wilmington Housing Authority. New Brooklyn Homes addresses the growing need for affordable housing. The developers are anticipating a LEED Platinum rating for the 3 bedroom units and a LEED Gold rating for the 2 bedroom units.
Some of the green elements consist of:

- Underground stormwater filtration
- Rainwater collection system for landscape irrigation
- Heritage tree preservation
- High efficiency lighting
- Low flow kitchen and bath fixtures
- Recycled building materials
- Low VOC paints
- Energy Star appliances throughout

South Front Apartments - 1400 South 2nd Street, Wilmington, NC
Registered as contributing structures in the Nation Registry of Historic Places, South Front Apartments, originally built in 1939 as a public housing project, is a premium example of rethinking adaptive reuse, reclaiming a mindful footprint, reinventing home and investing in the past to create a greener future. The LEED Silver (pending) project contains 216 units in 22 buildings to bring upgraded prime urban contemporary living and green design to an area that was formerly a prime example of urban blight.

Environmentally friendly elements of note are:

- Advanced stormwater system consisting of rain gardens, underground cisterns, pervious concrete and other localized infiltration measures to minimize runoff.
- Energy efficient multi-split HVAC systems with programmable thermostats
- Low flow plumbing fixtures
- Low VOC paints
- Energy Star appliances
- On-site recycling center
- Heritage tree preservation
- Educational plaques throughout the site
- Community roof garden

Snipes Academy of Arts & Design - 2150 Chestnut Street, Wilmington, NC

Snipes Academy of Arts & Design, originally built in 1949, was rebuilt in 2005 to reflect a contemporary educational facility with specific accommodation for the its role in the urban community fabric of Wilmington, NC. The LEED Gold certified project creates a sustainable site and a high performing building that will not only provide long-term energy savings but establish a green legacy for the future.

Some of the specific green features include:

- Low impact stormwater features - pervious pavement in parking areas, bioretention areas and rainwater collection cisterns for irrigation
- 40% reduction in water usage through waterless and low flow fixtures
- Daylighting measures and energy efficient lighting
- High efficiency closed loop water source heat pump
- Energy Star roof system
- Environmentally friendly features of the school are incorporated into the student curriculum to stress the importance of sustainable methods

Wilmington Convention Center

The Convention Center is a state-of-the-art LEED Silver certified facility that highlights the City's commitment to sustainable design principles. A few key items unique to this project are:

- Formerly a Brownfield site cleaned up for redevelopment
- Lighting controls and HVAC management for individual rooms
- Smoking is prohibited in this facility or within 25 feet of the building entrances
- Use of efficient plumbing fixtures reduces water usage by over 40%
- The use of foot grilles and mats at entries help prevent particulates from entering the building
- On-site facility stores paper, cardboard, glass, plastics and metals for recycling
- Use of recycled building materials, FSE certified wood, efficient use of day lighting and a white roof for heat island reduction
- Over 20% of the material used was extracted, processed and manufactured within a 500 mile radius of the site
- Signage throughout the building and a brochure is available to inform the public of sustainable elements