



## 2009 Lower Cape Fear Stewardship Development Award Winner

### Significant Achievement

**Project Name:** City of Wilmington Street Sweeper Complex

**Project Partners:** City of Wilmington Stormwater Services

**Project Location:** 1114 South 17th St

**Project Contact:** Dave Mayes (910)-343-4777

The City's street sweeper facility, located in Downtown Wilmington, was designed as a demonstration of the importance and efficiency capabilities of green technology. The new facility, located at 17th and Marsteller, is a site that was already owned by the City and from which previous operations had been moved.

The building is designed for zero net energy consumption with two types of solar panels: Solar water panels generate radiant floor heat for the vehicle storage portion of the facility, and photovoltaic panels generate electricity so that dependence on purchased electricity can be minimized. Other techniques have been established including: natural ventilation and daylighting, artificial lighting on occupancy sensors, and a stormwater management system. But, perhaps most importantly, this is the first commitment by the



City to incorporate green building elements as a primary objective of the project design and leads the way for establishing benchmarks for future projects.

The building was designed by John Sawyer Architects, and was built by Waldkirch and Saunders Company, both based in Wilmington, North Carolina.

