

Street Sweeper Facility



Stormwater Services has an aggressive street sweeping program that improves the cleanliness of streets, reduces the amount of dirt and pollutants flowing into waterways, and helps prevent flooding. The city's 3-wheeled street sweepers mainly operate in the downtown area because they can maneuver around parked vehicles and tight corners. In an effort to be closer to downtown, the 3-wheeled sweepers are housed in a new building featuring green technology and environmentally-friendly building techniques:

- *Site & Building Re-use* - The city is reusing a building it already owned; much of the existing structure was also reused in construction, including the roof, steel, lumber and concrete slab.
- *Solar Power* - Solar panels installed on the roof produce enough electricity to power the entire building, and there is also the potential to produce extra electricity for financial credit from the power company each month.
- *Radiant Floor Heating* - Solar panels on the roof heat water that is pumped through tubing in the floor of the building to provide heat during the winter.
- *Stormwater Runoff* - To capture runoff flowing from the site, several stormwater improvements were installed, including a bioretention area that treats runoff from the parking lot and rooftop. Also, a significant amount of asphalt that causes stormwater runoff was removed and a cistern was installed to capture runoff from the roof. The rainwater captured from the roof will be used to irrigate the surrounding landscape.

The Street Sweeper Facility is located at the corner of 17th and Marsteller Streets. For more information, please visit www.wilmingtonnc.gov/stormwater or call 910.343.4777.