

HOFFMAN ESTATES FIRE STATION #24

Green Initiatives That aren't Watered Down

The Challenge: How do you design a fire station that places as much emphasis on protecting the environment as it does on its employees and visitors?

The Solution: This new station is scheduled to become one of the first LEED Gold Fire Stations in Illinois. Station #24 has been designated as the main station for the public and students to tour. Throughout the site (both inside and out), LEED Signage educates visitors on the station's green features. Additionally, there is a "Green Guru" firefighter on site to answer visitor's questions, educate new firefighters, and encourage environmentally friendly practices among staff.

- Overall water usage is reduced by 30% partially through an underground cistern collecting rainwater which is used for washing fire vehicles and landscape irrigation.
- 56% of the site and building materials were regionally manufactured.
- Permeable pavers and bio-swales filter, reduce storm water runoff, and clean the water before it enters the storm system.
- The floor finishes blend recycled content carpet with sealed, natural concrete floors for low maintenance and high durability.
- Alternative transportation is encouraged through the installation of a bike rack.
- Site lighting selected for Station #24 eliminates light pollution onto adjacent sites and into the night sky. The end result is reduced glare and improved nighttime visibility.
- Over 75% of the construction debris and waste was diverted from landfills to recycling centers.
- All of the paints, sealants, carpets and wood products contain low to zero volatile organic compounds (VOCs). This reduces the amount of contaminants in the air and decreases harmful irritating odors caused by material "off-gassing", while improving the air quality and providing a healthier environment for building occupants.



The Result: The Fire Station was awarded LEED* Gold
*Leadership in Energy & Environmental Design

Project Quick Facts

Cost of Construction: \$6,150,000

Size: 21,741 SF

Status: Completed June 2009

Address: 5775 Beacon Pointe Drive
Hoffman Estates, IL

