

# Green Roof

## Morgan Processing and Distribution Center (P&DC)

The US Postal Service's first Green Roof is another example of its proactive environmental leadership, and continues the Postal Service's commitment to making a positive impact on the environment. The Morgan Processing and Distribution Center (P&DC) is a showcase of resource conservation and innovation.

- The Green Roof on the seventh floor of the Morgan P&DC is the first developed by the U.S. Postal Service, and at 109,000 square feet — nearly 2.5 acres — is the largest in New York, and one of the largest in the country. It is one of the largest Postal Service environmental projects to date.
- The Green Roof project began in September 2008. Construction was completed in July 2009, and on budget.
- The Green Roof at the Morgan P&DC is much more than a pretty space — it will last 50 years, twice as long as the roof it replaced, and it will reduce the amount of polluted storm water runoff into the New York municipal water system by as much as 75 percent in summer and 40 percent in winter. The Green Roof is more energy efficient than a traditional roof, and is projected to save the Postal Service \$30,000 yearly on heating and cooling costs.
- When the previous Morgan roof needed replacing, it was deemed strong enough to support the additional weight of the soil and vegetation of a green roof. During construction only approximately 15,000 square feet was removed and replaced. Nearly 90 percent of the original roof was recycled and reused on the roof. The 176 copper column caps, now green due to natural oxidation, are original to the building, and continue to define Morgan as a historic building.
- The Morgan Green Roof features 14 benches and an art wall made of Brazilian ipe wood, certified sustainable by the Forest Stewardship Council, and requires no maintenance, sealants or staining. All plants and vegetation are native to the region and comprise approximately 59 percent of the roof.
- Native plants and ground cover include: “Coral Carpet,” “John Creech,” “Weihenstephaner,” “Immergrunchen,” “Fudaglut,” and “Red Carpet.”
- The Morgan P&DC was built in 1933, and designated a historical landmark in 1986. Morgan features 1600 windows, and at 2.2 million square feet, is one of the largest mail processing facilities in the country. The Morgan facility is to be submitted for LEED certification, and its green roof is part of the Postal Service's successful greener facilities strategy, which includes a goal to reduce energy use 30 percent by 2015.