



UPMC Mercy Pavilion: A Sustainability Success Story

[UPMC Mercy Pavilion](#), located on the campus of UPMC Mercy, is a state-of-the-art facility offering comprehensive care from the UPMC Vision Institute and the UPMC Rehabilitation Institute.

The building opened in spring 2023, the first of its kind in the nation. Inside, ophthalmologists, optometrists, scientists, engineers, and other UPMC Vision Institute specialists deliver cutting-edge treatments and develop new and better therapies to prevent vision loss and restore sight. Physiatrists and rehabilitation professionals at the UPMC Rehabilitation Institute, one of the largest rehabilitation networks in the nation, deliver a full range of outpatient physical medicine and rehabilitation services to restore function and improve quality of life.

UPMC Mercy Pavilion is LEED (Leadership in Energy and Environmental Design)-certified by the U.S. Green Building Council. Sustainability strategies for UPMC Mercy Pavilion continue to include energy and water conservation, biophilic design, an efficient building envelope, convenient and environmentally friendly access to the building, and optimized indoor environmental air quality.

Sustainability highlights include:

- **Open spaces**, including pedestrian-oriented paving entries, vegetated areas, and a roof terrace.
- **Stormwater management** that minimizes the impact on the local sewer system.
- **Alternative transportation and access to transit services**, including preferred parking for fuel-efficient vehicles and 12 bus routes less than a quarter mile from the site.
- **Water-efficient landscaping** through the selection of native/adapted plants that can grow in the region without additional irrigation.
- **Heat island mitigation featuring a green roof** that has a combination of reflective materials and vegetated surfaces.
- **Air pre-conditioning** caused by vegetated areas to significantly lower the air temperature near intake areas on the roof, helping to reduce energy consumption.
- **Water use reduction** through the installation of high-efficiency fixtures, achieving a 30% reduction.
- **Energy performance** that amounts to a 10% reduction in energy costs thanks to several factors, including 100% LED lighting.

Additional highlights include:

- **16 electric vehicle chargers** in the Mercy Pavilion parking garage.



- **Construction waste diversion** with sustainability in mind, resulting in 96% of waste being successfully diverted from landfills and redirected across multiple waste streams during building development.