

Lillian and Larry Goodman Center 501 South Wabash Avenue, Chicago, IL

The Roosevelt University Field House is a two story athletic facility that includes an NCAA basketball and volleyball court with seating, training facilities and athletic support offices. The project incorporates varied sustainable strategies which promote public health, safety and welfare. These methods include specifying materials that have a 20% recycled content, specifying a vegetated roof to reduce stormwater runoff, using light colored roofing and paving materials to reduce the urban heat-island effect, recycling a minimum 75% of construction debris and specifying low VOC paints, sealants and flooring to increase indoor environmental quality. Only native and adaptive plants will be used to allow the omission of any irrigation systems, saving valuable potable water.

The project will obtain a 5% reduction in energy performance below ASHRAE 90.1-2007. Factors contributing are the use of highly efficient (R-20) insulation in the exterior walls and roof to minimize heat gain/loss that allows mechanical systems to be used less often. Demand controlled ventilation will be used to control air handling units and provide fresh air only when needed. The lighting systems will incorporate high efficiency light fixtures controlled by occupancy sensors to minimize the time they are on.



Building Statistics

Completion Date	7/12/13
Type of Construction	New
Architect	Solomon Cordwell Buenz
Total Cost	\$10,512,923
Size	27,834 SF
Cost/Sq.Ft.	\$377.70/SF

Energy Statistics

Estimated Energy Savings Over Code Compliant Building	23%
Annual Energy Savings	\$19,944
Cost of Energy Efficient and/or Renewable Features	\$163,000
Premium for Energy Efficient and Renewable Features	1.5%
Estimated Payback for Energy Efficient and/or Renewable Features	Approx. 8 years

Energy Efficient Design Features:

- Low Flow Water Fixtures reduce potable water usage by 35%
- Efficient cooling system and Demand Controlled Ventilation
- Heat recovery systems save energy by capturing and reusing excess hot air
- Native Illinois plant species green roof on solar reflective roof membrane
- High performance windows and thermal insulation

Additional Green Design Features:

- Low VOC (Volatile Organic Compound) paints, sealants, flooring and wood products
- 20% of all building materials were made from recycled products
- Enhanced recycling options include paper, plastic, glass, batteries, and Electronic Waste

USGBC- LEED Certified
at SILVER Level



Illinois Clean Energy
community foundation