



NATIONALS PARK WASHINGTON, D.C.

15% less energy use

35% less water use

83% of construction waste diverted from the landfill

LEED® Facts

Nationals Park
Washington, DC

LEED for New Construction
Certification awarded March 3, 2008

Silver 34*

Sustainable Sites 12/14

Water Efficiency 2/5

Energy & Atmosphere 3/17

Materials & Resources 6/13

Indoor Environmental Quality 7/15

Innovation & Design 4/5

*Out of a possible 69 points



NATIONALS PARK

A Grand Slam for Washington, DC

Nationals Stadium Earns LEED Silver Rating

PROJECT BACKGROUND

Located in the near Southeast area of Washington, DC, Nationals Park is the home of the Washington Nationals, the city's major-league baseball team. Weighing in at 1.1-million square feet, it is the first Major League Baseball stadium to earn LEED certification. More than a million visitors were expected during the park's first year of operation.

GREEN CATALYST

Nationals Park was intended as a catalyst for urban revitalization. The project is located on a former brownfield that previously housed warehouses, light-industrial businesses, and a trash-transfer station. Before construction began, the businesses on the site provided about 160 jobs. The ballpark created more than 4,400 temporary construction jobs and more than 360 full-time-equivalent permanent jobs. Additionally, since the park opened in March 2008, several private developers have proposed speculative residential, office, and retail projects that will bring hundreds of additional jobs to the area.

STRATEGIES AND RESULTS

Nationals Stadium is easy to reach by subway and bus, and the project team limited parking areas to encourage alternative transportation. The ballpark also provides bicycle parking and, on game days, a bike valet service.

Because the stadium is located on the bank of the Anacostia River, the project team worked to improve the quality of stormwater leaving the site. A 6,300-square-foot green roof covers a concession and restroom area beyond left field. Screens capture solid material from both rainwater and washwater leaving the seating areas. Stormwater passes through large sand filters buried under the project before it is pumped into the public storm-drain system. Washwater, which includes small amounts of detergents, is filtered and then sent to the sanitary system.

Low-flow faucets and dual-flush toilets were projected to save 3.6 million gallons of water each year, and the use of air-cooled instead of water-cooled chillers was expected to save an additional 6 million gallons each year.

Efficient field lighting was projected to save \$440,000 over 25 years. Other energy-efficient strategies include additional insulation, high-performance glazing, overhangs and external shading, LED lighting for the scoreboards, and heat-recovery ventilation in the locker rooms. In all, the ballpark was expected to use 15% less energy, by cost, than a comparable conventional ballpark.

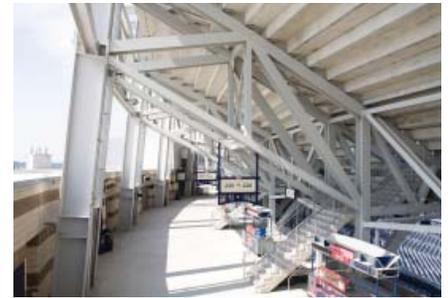
The project team selected construction materials for their recycled content, regional availability, and low chemical emissions. Measured by cost, 35% were extracted, processed, and manufactured within 500 miles of the project site. Of all construction waste, 83%, by weight, was diverted from the landfill.

ABOUT THE DC SPORTS AND ENTERTAINMENT COMMISSION

Nationals Stadium is owned by the city of Washington, DC, and operated by the DC Sports and Entertainment Commission, an independent agency of the city government.

“Every resident of the District of Columbia should be proud that we have not only the greatest ballpark in the country but also the greenest.”

Adrian M. Fenty, mayor of Washington, DC



Architects: HOK and Devroux + Purnell Architects

Civil Engineer: Delon Hampton & Associates

Contractors: Clark Construction Group, Hunt Construction Group, and Smoot Construction Company

Landscape Architect: Peter Liu Associates

MEP Engineers: M-E Engineers, JVP Engineers, and SIM-G Technologies

Structural Engineers: ReStI Designers and Thornton Tomasetti

Project Size: 1.1 million square feet

Total Project Cost: \$611 million

Cost Per Square Foot: \$283

Photograph Courtesy of: HOK Sport

ABOUT LEED

The LEED® Green Building Rating System™ is the national benchmark for the design, construction, and operations of high-performance green buildings. Visit the U.S. Green Building Council's Web site at www.usgbc.org to learn more about LEED and green building.



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