

LEED Profile

Roosevelt Elementary School

Achievements

- 16%** reduction in energy consumption
- 39%** reduction in water use
- 10%** recycled content of materials
- 20%** use of local/regional materials
- 50%** construction waste diverted from landfill



Project Description

Roosevelt Elementary School is a replacement for the existing school which opened in 1929. The new school is located on the same 6.7 acres site as the existing school and is adjacent to a residential zone and basic services. It opened in November 2011 and serves 750 students, pre-K through fifth grade.



Sustainable Overview

- New school building is located on the same site as the existing building (a previously developed site)
- Maximizes open space utilizing a compact building footprint
- Provides vegetated open space equal to the building footprint



Water Efficiency

- Uses 38.6% less water than a similarly built elementary school



Energy & Atmosphere

- 15.7% savings in annual energy cost as compared to ASHRAE Standard 90.1-1999 Energy baseline



Materials & Resources

- 20% regionally sourced materials and products were used
- 50% of construction waste was diverted from landfills



Innovation and Design

- More than 80% of the students live within three-quarters of a mile from the school and are encouraged to walk and ride bicycles, with the provision of ample bike racks and dedicated walking and bike paths
- Preferred parking is provided for low-emitting and fuel-efficient vehicles to encourage use of environmentally friendly vehicles
- Recycling is encouraged with the incorporation of a centrally located recycling station

LEED® Facts

LEED for Schools (v2007)

Silver 37*

Sustainable Sites	9
Water Efficiency	3
Energy & Atmosphere	4
Materials & Resources	6
Indoor Environmental Quality	10
Innovation & Design	5

* Out of a possible 78 points

Project Information

Owner: Houston Independent School District (HISD)

Address: 6700 Fulton St., Houston, TX 77022-5416

Architect: RWS Architects Incorporated

Civil Engineer: Lamb & Barger Consulting Engineers

MEP Engineer: Hirsch Engineering Inc.

Structural Engineer: Jones/Borne/ Inc.

Commissioning Agent: Rice & Gardner Consultants Incorporated

Contractor: Gamma Construction Co.

Project Budget: \$15,837,718

Opened: January 2012

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 how you can make LEED work for you.