

LEED Profile

Lovett Elementary School

Achievements

- 17%** reduction in energy consumption
- 41%** reduction in water use
- 22%** recycled content of materials
- 28%** use of local/regional materials
- 76%** construction waste diverted from landfill



Project Description

E. O. Lovett Elementary School has been designed to provide students and staff a contemporary educational facility that is easy to navigate. The healthy indoor environment features strong natural daylighting for better learning and eco-friendly materials for durability and ease of maintenance, superior technology to keep up with changing demands, and a safe and secure campus. Housing 750 students, the school has a two-story classroom wing with pre-K through second grade on the first floor and third through fifth grade on the second floor. As a Magnet School for the Arts, the school has an exceptional music department and an award-winning band program. One of the school's standout features is the band classroom with an operable exterior glass wall that opens completely to the front yard for outdoor performances and assemblies under the covered court. The band can use their classroom space and the stage for large group rehearsals or performances by opening the moveable partition wall that separates the two spaces. The dining space opens to the performance space as well, allowing the room to double as an auditorium. This feature extends the capabilities of the room beyond students and teachers to become an event facility for the community. The school is flooded throughout with an abundance of natural light. The library receives natural light through the use of clerestory glazing. All classrooms and learning spaces benefit from natural light and views to the outdoors. The health of students and teachers is enhanced via connections between the indoors and the outdoors.



Sustainable Sites

- The new school was built on the same campus as the original building
- This takes advantage of existing utilities and avoids the environmental impacts of an undeveloped site



Water Efficiency

- Vegetation is native or adapted for local climate, reducing the need for irrigation
- Water use in the building is reduced by low-flow plumbing fixtures



Energy & Atmosphere

- Efficient heating, cooling and lighting systems exceed code minimums, thereby reducing annual energy consumption and utility costs



Materials & Resources

- More than 20% of the building materials are recyclable and/or contain recycled content



Indoor Environmental Quality

- The facility incorporates materials and finishes that minimize the quantity of indoor air contaminants



Innovation & Design

- Exemplary performance for preserving more than 40% open space on the site.
- Developed and implementing a Green Housekeeping Program
- Curriculum developed for each LEED category so that students can learn about a Green School

LEED® Facts

LEED for Schools (v2007)

| Certified | 35* |
|------------------------------|-----|
| Sustainable Sites | 8 |
| Water Efficiency | 3 |
| Energy & Atmosphere | 4 |
| Materials & Resources | 7 |
| Indoor Environmental Quality | 9 |
| Innovation & Design | 4 |

* Out of a possible 78 points

Project Information

Owner: Houston Independent School District (HISD)

Address: 8814 South Rice Ave., Houston, TX 77096

Architect: PGAL

Civil Engineer: Isani Consultants

MEP Engineer: MEP IT Engineers

Commissioning Agent: E&C Engineers & Consultants, Inc.

Contractor: Drymalla Construction Company

Project Size: 86,000 SF

Project Budget: \$16,331,220

Opened: August 2011

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.