



**JEWISH HOSPITAL MEDICAL CENTER SOUTH
HILLVIEW, KENTUCKY**

6502 CCF natural gas saved per year

382,611 kilowatt hours of electricity saved per year

over **220,000** gallons of water/sewer saved per year



LEED® Facts

Jewish Hospital Medical Center South Hillview, Kentucky

LEED for NC version 2.1
Certification awarded August 29, 2006

Silver 33 points*

Sustainable Sites	5/14
Water Efficiency	4/5
Energy & Atmosphere	3/17
Materials & Resources	6/13
Indoor Environmental Quality	11/15
Innovation & Design	4/5

*Out of a possible 69 points

The information provided is based on that stated in the LEED® project certification submittals. USGBC and Chapters do not warrant or represent the accuracy of this information. Each building's actual performance is based on its unique design, construction, operation, and maintenance. Energy efficiency and sustainable results will vary.

JEWISH HOSPITAL MEDICAL CENTER SOUTH

Leading in Care for the Community

Meeting the Needs of an Underserved Community

PROJECT BACKGROUND

When Jewish Hospital reached out to provide care to the residents of Bullitt County, one of the first decisions made was to pursue construction practices that would minimize the project's impact on the environment. Early on, the project was registered with the United States Green Building Council's "Leadership in Energy and Environmental Design (LEED)" program and from the pre-planning phases, through document preparation, bidding, construction and post construction, the "team" has kept the LEED Certification in their eyesight. The project was to design an outpatient care facility for this federally designated "Medically Underserved" area. The design criteria included a flexible floor plan with capability for future expansion in multiple directions, as well as a plan organization that was friendly to patients and staff while respecting patient privacy and accessibility.

Once the "Project Team" was on board, weekly project meetings, beginning in the pre-planning phase, were scheduled. During these early stages of the project development, the team of designers worked with the owners to establish the project program and budget reconciliation. Many of the LEED initiatives were realized through a "holistic approach" that required the participation of multiple team members. For example, in order to optimize energy performance, (one of the LEED criteria) the interior designers selected "light" color palettes that allowed the lighting engineers to minimize the amount of artificial illumination, the architects specified increased building insulation and high performance glass, while the mechanical engineer specified high performance heating and cooling systems.

STRATEGIES AND RESULTS

The site was developed to retain an existing stream and to protect it from runoff with the addition of a retention basin. A parking waiver based on previous project needs was obtained which decreased required parking and hard surfaces on the site, thus minimizing site disturbance. Alternative vehicle re-fueling stations and designated car pooling spaces are provided to encourage employees to reduce dependence on gas powered vehicles. Bicycle racks and showers are also included in the project for this same purpose.

The building energy management system controls artificial lighting, turning off lights in unoccupied rooms and turning light levels down in public spaces based on pre-determined night time setbacks. Over 20% of the materials used in the project are recycled and over 50% were manufactured within 500 miles of the site. Wide corridors and accessible toilet rooms at all locations make the facility very patient-friendly. All patient prep and recovery rooms are "two-sided" allowing patients to be brought in on the "public side", and taken to treatment areas through the "clinical" side, contributing to the quality of the healthcare experience. Examination and procedure rooms may be accessed directly from the gowning rooms. All patients are discharged through a private exit, away from the public spaces. Flex rooms can be used as ER, PAT or Med-Surge prep/recovery rooms as appropriate throughout the 24 hour cycle which created a 31% efficiency in the plan reducing the footprint.

ABOUT JEWISH HOSPITAL

Jewish Hospital Medical Center South strives to bring its patients the very best in every area, right to the very core of the new building. In order to ensure that patients and the environment benefit from the structure, JHMCS building engineers went to great lengths to meet the guidelines to gain LEED certification. The certification was very important to us because we wanted to be good stewards of the land that was given to us. The property had been in the same family since before Kentucky was established. It only made sense that we would do all we could to take care of not only the land, but the environment in which our patients and employees work and live.

"Jewish Hospital & St. Mary's HealthCare's leadership in bringing an exceptional health facility to Bullitt County, the participation of Bullitt County leaders working with JHSMH, the opportunity to build the facility on historic family property, culminated by receiving LEED certification created a special aura of success and a source of great pride for the organization and community."

Stephen French, Vice President,
Facilities Development and Engineering Services,
Jewish Hospital & St. Mary's HealthCare



Architect: Arrasmith, Judd, Rapp, Chovan, Inc.
Civil Engineer: Classickle Inc.
Commissioning Agent: Facility Commissioning Group
Program Manager: Parsons-META Associates
Landscape Architect: Korfage Landscaping and Designs
MEP Engineer: LSE Engineers Inc.
Structural Engineer: Skyhook Structural Engineering
Project Size: 49,012 sf
Total Project Cost: \$ 13.3 million
Cost Per Square Foot: \$271

Photographs Courtesy of: Stephen Driver

ABOUT KENTUCKY USGBC

Our goal is to improve the health and welfare of all Kentucky citizens through a sustainable and responsible built environment. Through education and awareness we encourage the use of sustainable practices that provide our residents with a healthy environment in which to live, work and learn.



KENTUCKY CHAPTER
Greening the Bluegrass

www.usgbckentucky.org
888-KY-USGBC