



## USGBC – St. Louis Regional Chapter

### Sustainable Health Care Facilities: Cost & Return

By Kim Shinn, director of Sustainable Design, TLC Engineering for Architecture,

Imagine... Cancer treatment centers built without materials linked to cancer.  
Imagine... Pediatric clinics free of chemicals that trigger asthma.  
Imagine... Hospitals with healthy food, fresh air and sunlight.

Healthcare facilities present a challenge and opportunity in the development and implementation of sustainable design, construction and operations practices. Issues such as 24/7 operations, energy and water use intensity, chemical use, infection control requirements and formidable regulatory requirements can pose significant obstacles to the implementation of currently accepted sustainability protocols. Sustainable design and construction for the healthcare sector should reflect the fundamental organizational mission to protect and enhance individual and community health, and acknowledge the intrinsic relationship between the built environment and ecological health. As the healthcare sector develops a design language for high performance healing environments, it has the opportunity to highlight the associated health-based benefits. This in turn can inspire the broader adoption of health based design principles in other building sectors.

Kim Shinn is a registered professional mechanical engineer in fourteen states and a Principal with TLC Engineers' Nashville division, as well as Director of TLC's Sustainable Design Consultancy, and Chairman of the Middle Tennessee Chapter of USGBC. He has been actively involved in the design or commissioning of over two dozen LEED registered and certified projects. Kim has helped create the Green Guide for Health Care (GGHC) and is on the LEED committees to draft application guides for laboratories, healthcare and combined heat/cooling/ power systems.

#### *When*

Tuesday, February 13, 2007

5:30 – 6:15 pm: **Networking & LEED Incentive Grant Announcement!**

6:15 – 7:30 pm: Program

#### *Where*

Ameren Headquarters Auditorium (just off atrium)

1901 Chouteau 63103

*Park in Visitor Lot and enter at west entrance*

#### *Fee*

Free to USGBC-STL and students

\$20.00 for Non-members

#### *To register*

Email [usgbc-stl@mobot.org](mailto:usgbc-stl@mobot.org) or call (314) 577-0854

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*AIA/CEU's & Certificates of Attendance are available.  
AIA members, please be prepared to sign in with your AIA number.*

U.S. Green Building Council  
St. Louis Regional Chapter

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