

Sustainability: From Checklist to Implementation

November 2023

Midwest Healthcare Engineering Conference



Indiana University Health





TIM KING | PE, LEED AP BD+C

Guidon: Vice President, Principal

- 17 years of engineering and leadership experience
- LEED AP since 2008
- IBJ Forty Under 40, 2023



KEVIN HUTTON | PE

IU Health: Director of Engineering, Design & Construction

- 20+ years as an MEP System Design Engineer, 2 years with IU Health
- Focus on ensuring healthcare facility systems are designed to operate efficiently and reliably



HEATHER ANE ZETO | LEED AP BD+C, O+M; WELL AP

Guidon: Sustainability Practice Leader

- 23 years of AEC experience, 2 years with Guidon
- LEED AP since 2007; first LEED project in 2002
- Focus on Sustainability Education and Implementation

LEARNING OBJECTIVES

- Objective #1: Understand the Sustainability certification systems pertaining to Healthcare and their focus.
- Objective #2: Gain insight to process and management of setting goals and implementation from design through occupancy.
- Objective #3: Identify risks and areas of failure from planning, design and construction; where does sustainability go wrong.



Guidon is focused on improving lives + empowering people® through sustainable architecture, engineering, and design. Our full-service design team of 65 professional staff lead projects from concept through construction.



Indiana University Health

Indiana University Health is the largest network of physicians in the state of Indiana.

A unique partnership with Indiana University School of Medicine, one of the nation's leading medical schools, gives access to leading-edge medicine and treatment options that are available first, and often only, at IU Health.

**Joe & Shelly Schwarz Cancer Center:
LEED BD+C:NC v3 – Silver 2021**



**Riley Maternity & Newborn Tower:
LEED ID+C:CI v4 – Certified 2022**



**IU Health West Vertical Expansion:
LEED BD+C:HC v4 – Certified 2022**



**IU Health Bloomington Health Center:
LEED BD+C:HC v3 – Silver 2022;
ASHRAE 189.3; ENERGY STAR 75+**



**Integrated Service Center:
LEED ID+C:CI v4 – (Goal) Certified**



**Fort Wayne MOB:
LEED BD+C:NC v4 – (Goal) Silver**



**IU Health Fishers Tower Expansion:
LEED BD+C:HC v4 – (Goal) Silver;
ASHRAE 189.3; ENERGY STAR 75**



**IU Health Capitol View MOB:
LEED BD+C:CS v4 – (Goal) Silver**




IU Health Downtown Medical Campus: (Goal) LEED Campus Project; SITESv2



(Goal) LEED v4 Silver (BD+C:HC & NC); ASHRAE 189.3; ENERGY STAR 75





Overview of Standards:
**LEED, 189.3, ENERGY STAR 75,
Practice Greenhealth**



- Healthcare Specific Rating System
- Well known standard
- Energy Savings, Environmental Impact, Community Access
- 3rd Party Administration Compliance

- Healthcare Specific Understanding
- Written as Code Language – Possible future adoption
- All Encompassing – Not points based system.





- Results Focuses – Based on actual energy usage
- Compares with Peers
- Focus on Energy Use Intensity (EUI)

- Healthcare Specific Operations Focused Reporting
- Focus on Energy and Waste Reduction
- Provides Data/Resources from Peer Organizations





**PANEL
DISCUSSION**

THANK YOU!



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