## 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

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

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:Cl 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:Cl 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
- 3<sup>rd</sup> Party Administration Compliance

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





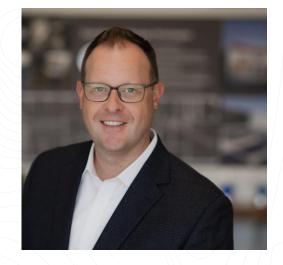
- Results Focuses Based on actual energy usage
- Compares with Peers
- Focus on Energy Use Intensity (EUI)

- 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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