

# ASHRAE HQ RENOVATION

Peachtree Corners, GA

## WORKSHOP THREE



## Overarching Goals for the Day

- Review option refinements and get feedback and direction for the following:
  - Planning Concept
  - Systems Approach
  - Envelope & Atrium Approach
- Review budget and pricing



The new, renovated facility will become a **showcase for the latest HVAC&R equipment and technology**, providing a destination venue for **industry visitors to experience state-of-the-art technology** installed and "in action" in a built environment. Our goal is that the new renovated facility will incorporate high-quality, energy efficient and environmentally sustainable HVAC&R equipment which reflects an understanding of the high-performance building movement, and which achieves a **superior efficiency while providing a healthy and comfortable environment**. The retrofitted new headquarters building will **represent the sustainability values which ASHRAE has long held**, and will have a **zero carbon footprint**. The challenge is how best to undertake a retrofit process that will address the uniqueness of the new building and accomplish it in an **economically justifiable** manner using **replicable technology**. This is consistent with the fact that **the needs of society and the workplace are shifting**, and the **existing building stock must be prepared to react**.



**Demonstrate a replicable process for retrofitting an existing mid-century building to achieve low EUI levels and net-zero energy performance while providing an exceptional workplace for the wellbeing of our staff and volunteers.**



## **Mission Critical**

- Safety
- Sustainability
- Affordability
- Exceed ASHRAE (90,62,55)
- Superior Acoustics
- Net-Zero Energy, EQ 100

## **Highly Desirable**

- Exceed ASHRAE (189)
- EUI 21, Plug 0.5
- Daylight / Views for leadership
- Improved Ventilation Effectiveness
- Measurable daylight for all
- Resilience
- Reduced plug load
- EUI 15