



Shaping Tomorrow's
Built Environment Today

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ENERGY MANAGEMENT SUBCOMMITTEE
A Subcommittee of TC 7.6 Building Energy Performance

2025 Annual Conference (Phoenix/Hybrid)

4:30 PM PST to 5:30 PST

Meeting Minutes

I. Introductions

14 people attended in person per sign in sheet.

Kajen	Ethirveerasingham	Enerlife Consulting
Karla	Alvarez	Johnson Controls
Oumou	Sidibe	JCI
Reva	Deshpande	LBNL
Joe	Hofstetter	Karpinski Engineering
Gaurav	Soni	RWE Clean Energy
Oumou	Sidibe	JCI
Amanda	Webb	University of Cincinnati
Scott	West	Summit Consultants
Nicholas	Long	Nrel
James	Frey	2050 Partners
David	Eldridge	Grumman Butkus Associates
Ibaad	Gandikota	UMD

II. Subcommittee Goal and Objective Review

The goal and objective of the proposed subcommittee group is reviewed with the group.

The updated plan of the Technical Committee (TC) 7.6 Energy Management Subcommittee is intended to align with ASHRAE Strategic Plan (2019-2024). One of three goals of ASHRAE strategic plan is to position ASHRAE as an Essential Knowledge Resource for a Sustainable, High-Performance Built Environment.

The Technical Committee does not act for Society.



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The Energy Management Subcommittee from TC 7.6 is directly connected with sustainable and high-performance built environment. **Our goal as a professional group is to position this subcommittee as an essential knowledge source for energy and water management.**

III. Items to discuss

New topics

- Energy management vs. decarbonization – case studies
- AI for Demand Response & Grid Flexibility
Title: "Grid-Interactive Smart Buildings Using ML"

Content: Explore AI algorithms that adjust HVAC and lighting in response to TOU rates or real-time signals to reduce peak demand and enable grid resiliency—aligning with the “Energy Storage & Grid Resiliency” and “Decarbonization” tracks

- a. David to follow up with Brain Box/prescribed data and see whether they are interested in presenting a case study
- b. Karla (JCI) is also interested.

- Visualizing Comfort: AI-Enhanced Occupancy Modeling/control for Thermal Efficiency
 - a. Collaborate with 7.10 Occupancy behavior
 - b. AI/ML to enhance occupancy control, would be interesting to ASHRAE members.

ii. Research

- Standardized trending SCHEMA (ongoing RTAR development):
 - a. Greg had personal issues and unable to work on this.
 - b. Seek for additional volunteers. Scott is interested and Eric to follow up with the information.
- Water-energy nexus (No updates)
- ASHRAE RP-1964 (Optimal start, night setback)
 - a. Have nighttime temperature setback and optimum start implemented (regardless of the control algorithm used),
 - b. Provide temperature readings at the zone level (data from multiple zones would be even greater, as long as they're served by a setback-enabled AHU) or at the system level (e.g., return air),



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- c. Include submetered data relevant to HVAC energy consumption—electricity, gas, water—for components like steam, hot water, fans, boilers, etc.
 - d. Discussion: Nick shared the link with the group:
<https://bbd.labworks.org/dataset-search>
 - e. Amanda will email TC7.6 members as a follow up on this request.
- iii. Education/Publication:
- VRF best practices on energy management to be reviewed and published as ASHRAE journal.

IV. Other Updates (no updates)

- TC2.8 –liaison
- TC7.3 – liaison -Kajen
- ASHRAE 189 –Scott W.
- ASHRAE Guideline 36 liaison - Greg

V. New Business

- Metering practice (James Frey)
 - Potential program ideal: Eric has connected James with Kajen (might be a panel with various vendors to review the proposed metering requirement in 90.1). James to chair.

VI. Adjournment