



Shaping Tomorrow's  
Built Environment Today

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**ENERGY MANAGEMENT SUBCOMMITTEE**  
A Subcommittee of TC 7.6 Building Energy Performance

2023 Annual Conference (Tampa/Hybrid)

4:30 PM EST to 5:30 EST

**Minutes**

**I. Introductions**

<b>First Name</b>	<b>Last Name</b>	<b>Organization</b>
Eric	Yang	Vantage Data Centers
Annie	Smith	Introba
Bob	Silva	nVent Raychem
Amanda	Webb	University of Cincinnati
Linnea	Paton	ConEdison
Joe	Firrantello	
Justin	Mezzadri	Automated Logic
Gregory	Cmar	Interval Data Systems
Curtis	Fong	Taylor Engineers
Kajen	Ethirveerasingham	Enerlife Consulting
Jamie	Fine	Rwdi
John	Constantinide	US Space Force
Kushagra	Juneja	Design2Occupancy Services LLP
Zhihong	Pang	Louisiana State University
Kushagra	Juneja	Design2Occupancy Services LLP
Kelly	Majewski	JLL

**II. Subcommittee Goal and Objective Review**

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

*The Technical Committee does not act for Society.*



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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 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.**

Seminar of interest in Tampa conference 2023.

Seminar 38: Connected Communities: Grid Interactivity, Energy resilience and Decarbonization  
Tuesday, June 27 8:00 AM – 9:30 AM EDT

Cold Start Methods for Building's Energy Consumption Forecasting  
Tuesday, June 27, 2023, 8:00 AM – 9:30 AM EDT

A Framework for Real-Time Deployment of FDD Methodologies to Identify Deficiencies in Operating Policies and HVAC Faults (TA-23-C090)

Tuesday, June 27, 2023, 8:00 AM – 9:30 AM EDT

Seminar 49: Presentation 2: Insights and Recommendations from a Large-Scale Study of Operating Fault Prevalence in HVAC System Components in 1500 Buildings

Tuesday, June 27, 2023, 11:00 AM – 12:30 PM EDT

Seminar 67: Blockchain and the HVAC Industry: It's Not All About Cryptocurrencies

(Blockchain technology can be developed for private or public applications. Private blockchains can be utilized for a host of new HVAC applications that permit trusted transactions and agreements to be carried out among disparate, anonymous parties without the need for a central authority, the legal system, or external enforcement mechanisms. Applications that normally require multiple separate databases for various stakeholders across different networks, can now be combined to a single database removing traditional barriers to innovate HVAC controls, energy management, and operational management in the built environment.)

### III. **Items to discuss**

**E. Yang:** Energy Management ALI Course (3 hour) – Need help to add topic on Solar power energy efficiency. Any suggestions on recommended subject matter expert? – Design, keep panels clean, track tilt degree adjustment, inverter (regularly check with string inverters, check voltage and wire checking, check with solar handbook.



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**E. Yang:** call for seminars on Energy & Water Management case study, ASHRAE g36, grid connected efficient buildings (check with TC7.5, Precool strategies/storage), ISO50001 topic (Annie to chair)

**Research:** any potential research project addressing water-energy nexus?

- i. Programs
  - Propose Energy Management lesson learned/best practice track
- ii. Research
  - Standardized trending SCHEMA (ongoing RTAR development)
  - Water-energy nexus
- iii. Education:
  - Good trending examples (Feel free to share good examples)
  - ALI course on decarbonization- outline
- iv. Handbook
  - Ali (no updates)

**IV. Other Updates**

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

**V. New Business**

**VI. Adjournment**