



Shaping Tomorrow's
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ENERGY MANAGEMENT SUBCOMMITTEE

A Subcommittee of TC 7.6 Building Energy Performance

2022 Annual Conference (Virtual)

June. 27, 2022

4:30 PM ET to 5:30 PM ET

Join Zoom Meeting

<https://ucincinnati.zoom.us/j/93790558530?pwd=Qm1VWXlaSWdmR2lpaDcrclJJMW1KQT09>

Meeting Minutes

I. Introductions

15 Attendee

First Name	Last Name	Organization	Email	TC 7.6 Members/guest
Eric	Yang	Amazon Web services	ericyangcem@gmail.com	VM
Annie	Smith	Ross & Baruzzini	smithannelise314@gmail.com	VM
Jim	Kelsey	kW Engineering	kelsey@kw-engineering.co.	VM-TC Chair
Dennis	Landsberg	L&S Energy Services, Inc.	DLandsberg@LS-Energy.com	CM
Amanda	Webb	University of Cincinnati	amanda.webb@uc.edu	VM
Mike	MacDonald	EPMI	mmacdonald@epminst.us	CM
Christine	Reinders	Iowa State University	christinereinders@gmail.com	CM
Cristine	Gibney	DC DOE (BEPS)	cristine.gibney@dc.gov	Guest/TC 7.3
Steven	Rogers	The Energy Conservatory	srogers@energyconservatory.com	Guest
Mike	MacDonald	EPMI	mmacdonald@epminst.us	CM
David	Eldridge	Grumman Butkus Associates	DEldridge@grummanbutkus.com	VM
Chonghui	Liu	Popli Design Group	cliu@popligroup.com	VM
Ali	Shirazi	ATI Group	ali.shirazi.salim@gmail.com	Future chair of Handbook SubCom

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II. Proposed Subcommittee Goal and Objective Review

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.**

Subcommittee Objectives

The Subcommittee will pursue the following objectives:

1. Develop and update training & white paper materials for energy management best practice to ASHRAE members, and industry practitioners;
2. Create conference programs about energy, and water management programs that inform and educate about the link between energy and water efficiency and conservation;
3. Collaborate with the TC 7.6 Handbook Subcommittee to revise HVAC Applications Handbook content in Chapter 36 to expand water management sections, address the water-energy nexus, and connect energy and resource management to overall building performance;
4. Collaborate with other TCs (such as TC 2.8, Green guide, SPC191p) to formulate ASHRAE programs and research projects that demonstrate stronger links between energy, water, and resource efficiency and conservation.

III. Items to discuss

R. Pearson/E. Yang: Energy Management ALI Course updates:

E. Yang: identify available resources of Energy and Water Management Resources available for ASHRAE members

E. Yang: call for seminars on Energy & Water Management case study

Research:

- Data tool set standard (Hyojin Kim): one effort by DOE I'd like to share with you in this area is Benchmark Datasets Project. It seems like there was already work done in data cleaning/standardization:

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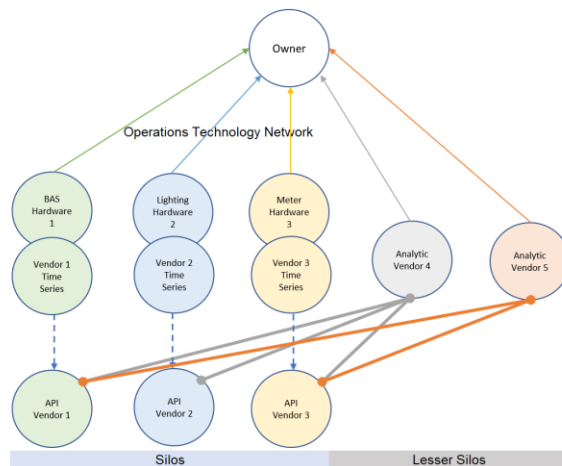
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<https://tsdat.readthedocs.io/en/latest/about.html#how-it-works>. At this point, I feel more comfortable with organizing a seminar on this topic

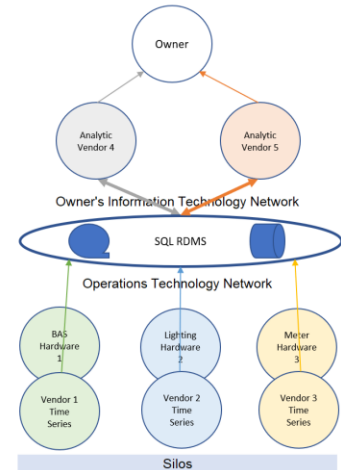
- standard schema definition – Greg Cmar can lead this effort on this RTAR
- Input from Jeff Haberl “if it reviews the previous studies and points to the most common energy trending data, AND how and what that trend data was used for, being explicit about the methods, possibly including some simple public tools so that folks who analyze buildings don't have to cook-up every single tool themselves. This is what RP-1093 set out to do for simple diversity factors, which has been helpful for those looking for a quick way to digest the stream of 8,760 data points from every zone in the building.”

Greg shared this following graph in the meeting:

Vendor-Centric Data Management System



Owner-Centric Data Management System



Leadership opportunities for subcommittee members

- Programs
 -
- Research
 - M. Bhandari
- Education
 - Eric Yang
 - Dick Pearson
- Handbook
 - Ali

IV. New Business

Building Performance Standard discussion

ASHRAE standard 228 3rd edition will be under review.

Carbon Emission management

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V. **Adjournment**

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