

Agenda: TC 6.2 District Energy
Hybrid Winter Conference (January 30, 2022)

<https://tc0602.ashraetcs.org/>

TC 6.2 Main Committee Meeting

Sunday, January 30th

2022 3:30 pm – 5:30 pm PST

Zoom Information:

- <https://ashrae.webex.com/ashrae/j.php?MTID=m23ff22fd3db6a4d570abead5adc5d67e>
- Meeting ID: 2336 952 5039
- Password: TC6.2
- Join by phone – 18662994153 United States of America Toll Free, +14702385742 US Toll. Access Code 2336 952 5039

Technical Committee Members

8 Voting Members and 0 Non-Quorum Voting Members

Need minimum 5 Voting Members Present to meet Quorum

Name	Position	Voting Status
Mr. Daniel Pyewell	Chair	Voting
Ms. Jessica Mangler	Vice-Chair	Voting
Mr. Michael Calabrese	Secretary	Voting
Ms. Timothy Anderson	Program Subcommittee Chair	Voting
Mr. Jayson Bursill	Webmaster	Non-Voting
Ms. Jay Eldridge	Research Subcommittee Chair	Non-Voting
Mr. Steven Tredinnick		Non-Voting
Mr. Mohamed Alagraa		Voting
Ms. Elizabeth (Betsy) Goll	Handbook Subcommittee Chair	Voting
Mr. Scott Murray		Non-Voting
Mr. Richard Sweetser	DOE Liaison	Non-Voting
Mr. John Andrepont	IDEA Liaison	Non-Voting
Mr. Dustin Meredith	TAC Chairperson	Non-Voting
Mr. Dawen Lu	Section Head	Non-Voting
Ms. Elizabeth Zakelj	Chapter Technology Transfer Chair	Non-Voting
Mr. Omar Abdelaziz	Research Liaison	Non-Voting
Mr. Craig Wray	Standard Liaison	Non-Voting
Mr. Steven Hammerling	Staff Liaison	Non-Voting
Gary Phetteplace		Voting
Bill Ryan		Voting
Alan Neely	Membership Chair	Non-Voting

1. Call to Order: (TC Chair- Daniel Pyewell)
 - a. Technical Committee 6.2 is concerned with district energy technology and integrated systems that provide one or more forms of thermal energy or a combination of thermal energy and electric power from a central plant(s) to meet the heating, cooling, or combined thermal energy and power needs of end-users in two or more structures. The TC collects and disseminates information on regional resource planning including the design, performance, economic analysis, operation and maintenance of central plants, distribution networks, and consumer limited to materials, construction methods, heat transfer, fluid flow, and measurement. The scope of the TC includes the development and assessment of associated technologies for energy use sections.
2. ASHRAE Code of Ethics Commitment – (TC Chair – Daniel Pyewell)
 - a. In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)
3. Introduction / Attendance - (TC Chair – Daniel Pyewell)
 - a. Please state your name, company/location, & position on committee.
 - b. Secretary for the meeting (Michael Calabrese) to take attendance, via the membership roster.
 - c. Members & Guests Introductions and Sign In
 - d. Establish a Quorum, Review of Current Voting Members and TC 6.2 Officers (Ref. Manual of Procedures – 3.2.2, 2.13, 2.14 & 2.15)
 - e. Discuss recruiting new members and officers for this Technical Committee (TC 6.02)
4. Approval of Minutes from 25th June 2021 virtual meeting (TC 6.02 Secretary – Michael Calabrese)
5. Chair's Report (Daniel R. Pyewell)
 - a. TC Breakfast Report (to attend on Sunday morning)
 - b. Roster needs to be updated by Feb. 15th. DP will review and update, as needed.
6. Sub-Committee Reports:
 - a. Handbook: Elizabeth Goll (Chair)
 - i. Chapter 12
 - ii. Chapter 15
 - iii. District Cooling Guide
 - iv. Bill Lotz's book with Chapter on Underground Pipe Insulation – add to Ch. 12 Bibliography?
 - v. Issue with link to climatic constants (for Undisturbed Soil Temp) in Ch. 12
 - b. Membership: Alan Neely (Chair)
 - i. Assessing stakeholders (voting members) for balance in T.C.
 - ii. New Members?
 - iii. Open positions – Eventual Vice Chair, Standards (needed?)
 - c. Program: Tim Anderson (Chair)
 - i. *Working on submission of Seminar "District Energy Ground Source Heat Pump Systems to reach your decarbonization goal". Reaching out for speakers. To submit for Toronto.*
 - ii. *Future program submission may include:*
 1. *There's another campus turned over to a heat pump system in south Minnesota. Another steam plant retired. If there is another example to add, this could make a good seminar.*
 2. *Open to other suggestions. Solar farms and district energy; is there a place for this combination?*
 3. *Steam Training Workshop – for Phoenix?*
 - d. Standards: Open

- e. Webmaster: Jayson Bursill (Chair)
- f. Research: Jay Eldridge (Chair)
- 7. Visitors & Liaison Reports/Information from other Committee Representatives
 - a. DOE- Richard Sweetser
 - b. IDEA- John Andrepont
 - c. ANSI/CSA/IGSHPA C448 Standard (Jessica Mangler, Lisa Meline, Steve Tredinnick, Gary Phetteplace)
 - i. Serving on committee for updated standard of ANSI/CSA C448.1-16 (Design and installation of ground source heat pump systems for commercial and institutional buildings)
 - ii. Adding District Energy Section.
 - iii. Meeting about once a month.
 - iv. Let us know if you're interested in reviewing drafts copies of the standard and providing comments.
 - d. Other TCs
 - i. 6.1 – Hydronic & Steam Heating Equipment and Systems
 - ii. 6.5 – Radiant Heating & Cooling
 - iii. 6.6 – Service Water Heating
 - iv. 6.7 – Solar and Other Renewable Energies
 - v. 6.8 - Geothermal Heat Pump & Energy Recovery Applications
 - 1. NYSERDA & ASHRAE
 - vi. 6.10 – Fuels and Combustion
 - e. Handbook
 - f. 90.1 Energy Storage Addendum W.G. (Daniel Pyewell)
 - g. Research (Stefan Elbel)
 - h. TAC Chairman (Dustin Meredith)
 - i. TAC Section Liaison (Doug Reindl)
 - j. Staff (Steven Hammerling)
 - k. Publications
 - i. Publications Committee respectfully requests your input on possible topics, authors and reviewers for future ASHRAE Journal articles. It is our goal to enhance ASHRAE Journal's reputation as the preeminent publication in our industry. Each of you are most in tune with what our members are looking for to further their knowledge base. With this in mind, if you could respond with a topic or two with suggested authors and reviewers it would be greatly appreciated.
 - ii. Adeeba Mehboob
 - 1. ASHRAE Publications Committee Vice Chair 2020-2021
 - 2. adeeba.mehboob@icloud.com
- 8. Old Business
- 9. New Business
 - a. Contact Daniel & Jessica if you're interested in serving any positions on this TC
 - b. Standards Subcommittee Chair?
 - c. Annual review and vote on status of T.C. 6.2
- 10. Thank you serving on TC 6.02 and volunteering for ASHRAE!
- 11. Adjourn