

ASHRAE MEETING – June 28 2015, Chicago, IL
ASHRAE TC 7.4 EXERGY ANALYSIS FOR SUSTAINABLE BUILDINGS
DRAFT MINUTES

TC 7.4 Exergy Analysis for Sustainable Buildings
Sunday 8a.m. – 10a.m.

1. Call to order. by Birol Kilkis (Chair)
Introduction of Members, Guest and Liaisons, Section 7 Head is present: Adrienne Thomle
2. Roll Call and Quorum Determination :
3. Quorum Present: Wangda Zuo, Robert Bean (ALI), Stephen Treado
4. Reading of the Title and Scope of TC 7.4
 - Review of Agenda
 - Changes and additions : none
 - Vote to approve Agenda: Voted in favor
5. Review of Minutes of January 25, 2015 Meeting in Chicago
 - Changes and additions: None
 - Vote to approve Minutes Voted in favor
6. ASHRAE Liaisons Reports (5 minutes each. Written reports for distribution preferred) none
7. Chair's Progress Report (Chair)
 - Chair's report and notes from TC/TG Chair's Breakfast
8. MEMBERSHIP S/C Chair Report : 3 VM to assure quorums
9. HANDBOOK S/C Chair Exergy Based Design Rules H/B
 - Birol distributed a draft, TC 7.4 members will provide feedback for the handbook chapter to B. Kilkis by the end of October 1st 2015.
 - The target is to get the handbook chapter for approval in the St. Louis Meeting in 2016
10. RESEARCH S/C Chair Report (Treado)
Cary Smith from TC 6.8 is looking for people for a new MTG on research collaboration for heat recovery in net zero building, quantify the quantity of energy and CO2.
TC 7.4 voted in favor in participating the new MTG. B. Kilkis and S. Treado will participate.
11. PROGRAM S/C Chair Report (B. Kilkis)
 - Orlando Conference Program: Track 6 Cutting Edge Technologies (Due on 8/10/2015)
 - i. A seminar of Anne64 projects, Title TBD (Chair: S. Kilkis)
 - ii. A workshop of "Performance evaluation of Built environment: Energy or Exergy?" (Chair: S. Traedo) Speakers: (B. Kilkis and/or S. Kilkis. S. Sherif will identify someone from Florida area).
 - St. Louis Conference program, Track Renewable Energy system and net zero buildings
Potential title: Practical application of Exergy for Net Zero Building (Chair: S. Treado)
Speakers: B. Kilkis
TC voted in favor of all three seminars/workshop.

12. Annex 64

- Developing a new standard along with Annex 64.
 - i. Next Annex 64 meeting is on September 10th in Copenhagen
 - ii. Annex64 is to develop a handbook. There is a possible collaboration between ASHRAE TC 7.4 Handbook and Annex 64 handbook development activity.
 - iii. TC 4.7 voted in favor in establishing a form collaboration with Annex 64 if needed.

13. Website:

- Sharing the scientific papers about Exergy: S. Bilbik and O. Kazanci will provide the list of references. W. Zuo will put these on the TC website.
- Provide a linkedin link for Exergy Discussion group when it is created

14. Glen Freeman announced the new ASHRAE Standard 203 “Method of Test on Determining Hear Gain of Office Equipment

15. New ideas:

- Create linked-in group
- Developing a condensing course for Exergy