

**ASHRAE 2014 Winter Meeting – Chicago, IL**  
**TC 7.4 Exergy Analysis for Sustainable Buildings**  
**Meeting Minutes**

*January 25, Palmer House Floor 7: Dearborn 2, 8am to 10am*

***These draft minutes must be approved by this committee to be the official approved record.***

**Scope:**

TC 7.4 is concerned with all exergy aspects of energy and power utilization of systems and equipment for comfort and service, assessment of their impact on the environment, and development of analysis techniques, methodologies and solutions for environmentally safer, sustainable low-exergy buildings

**Program Activity:**

**Sponsored or Co-Sponsored by TC 7.4 :** None

Note: For votes concerning standards actions all members must be given an opportunity to vote. In the event all members are not present at the meeting a letter ballot will be sent to the absent members to vote, that will include all negative votes at the meeting and a Chair's response. In the event negative votes are received during the continuation ballot a recirculation ballot will be conducted.

Negative voters with comment on publication public review votes will be given an opportunity to appeal once the Board of Directors has approved the document for publication. Negative voters who do not comment **will not** be offered a right to appeal.

**Attendees (include voting members and guests)**

See also attached copy of sign-in sheet.

Voting Members:

Dr. Birol Kilkas - Chair  
Prof Stephen Treado  
David Ellis  
Dr. Wangda Zuo  
Siir Kilkis  
Dr. Peter Novak  
Dr. Dietrich Schmidt  
Dr. S A Sherif

Absent Voting Members:

Diotima Von Kempfski  
Dr Marija Todorovic (non-quorum)

Corresponding Members:

Guests: (add as PCM)

**Approval of minutes from last meeting**

Any votes should be recorded as (Yes, No, No with comment, Abstention, and Unreturned)

1. **Approval of Minutes from Annual Meeting 2014 Seattle Meeting** – Kilkas  
Last meeting to be approved by letter ballot

Minutes submitted by: David Ellis, 2/21/2015

Minutes approved on: [Date]

## **Roster Review - Kilkas**

The following changes are to be incorporated in committee membership:

- Stephen Treado to step into Chairman
- David Ellis to step into Vice-Chairman
- Wangda Zuo to step into Secretary/Webmaster
- S Sherif, Birol Kilkas, Peter Novak, and Dietrich Schmidt to step into corresponding member

## **Subcommittee Reports**

1. Handbook – *Kilkas*:
  - a. Draft to be circulated for comment.
2. Research: No activity
3. Programs –
  - a. *Workshops well attended*
    - i. *Users are looking for chapter in handbook*
    - ii. *Users need practical applications and calculations*
  - b. *Atlanta abstracts are due February 9*
4. Special Publications –
  - a. Guideline for practitioners using low-exergy design
    - a. Handbook chapter will help in setting expectations
    - b. Practices could be incorporated into sustainable design, and possible consideration for inclusion into Standard 189 through TC 2.8 to be investigated
    - c. Exergy effect on CO<sub>2</sub> production already defined in proposed handbook section
6. Webmaster – *Ellis*
  - a. Minutes are to be posted
  - b. ASHRAE web support (Mike Vaughan) to be contacted for assistance in obtaining access

## **Old business**

1. TC 7.4 Liaisons to Other Committees: No Report

## **New business**

1. Request for electronic meeting approval to be made as an aid to meet quorum
2. Consideration of expanding TC 7.4 scope is suggested
  - a. How should exergy be defined – via thermal dynamics or another metric?
  - b. Low exergy buildings
3. Representatives of the Turkish affiliated society presented an announcement of a 2016 meeting

**Next meeting:** Sunday, July 26, Atlanta, GA

## **Adjournment**