

**TECHNICAL COMMITTEE 2.8 – Meeting Notes: Winter Conference – Chicago**

MEETING MINUTES – January 2015

**ASHRAE**

1791 Tullie Circle, NE / Atlanta, GA 30329  
404-636-8400

**TC/TG/TRG MINUTES COVER SHEET**

TC/TG/TRG No. TC 2.8 DATE: January 25, 2015

TC/TG/TRG TITLE: Building's Environmental Impact and Sustainability

DATE OF MEETING: January 25, 2015 LOCATION: Palmer House Hilton, Chicago, IL

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS & ADDIT'L ATTENDANCE
Mr. Dunstan L Macauley, III	2013			Ashish Rakheja
Mr. David Ellis	2013			Huanan Shen
Mr. Douglas David Fick	2013			Salvador Acha
Mr. Kevin R Brown	2011			Tim Dwyer
Ms. Joy Altwies	2012			Lisa Ng
Dr Thomas M Lawrence	2012			Kinga Porst
Mr. Frank Mills	2013			Tania Ullah
Mrs. Diotima Von Kempiski	2012			Mina Agarabi
Dr. Paul Torcellini	2013			Andy McIntyre
Mr. Kevin Cross	2010			Michelle Dionello
Mr. Abdel Daewich	2012			Buddy Bishop
Mr. David L Grumman, P.E.	2013			Thomas Kelly
Ms. Janice Means	2010			Svein Morner
Mr. Stanton Stafford	2014			Andres Alfonso
Mr. Don Brundage	2014			Ryan Poythress
Ng Yong Kong	2014			Chris Hsieh
E. Mitchell Swann	2014			Damian Ljungquist
Mr. Tom Cappellin	2012			Kevin Cross
Mr. John Swift	2014			Mustafe Morsy
Mr. Frank Mills	2013			Ran Liu
				James Sweeney

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**DISTRIBUTION**

**ALL MEMBERS OF THE TC/TG/TRG**

TAC CHAIR	Eric Adams
TAC SECTION HEAD	Thomas Sobieski
STANDARDS LIAISON	Cyrus Nasser
HANDBOOK LIAISON	Larry Akers
RAC RESEARCH LIAISON	Harvey Sachs
CTTC LIAISON	Chris Fudge
ALI LIAISON	Darin Nutter
STAFF LIAISON (RESEARCH)	Michael Vaughn

**Note:** These draft minutes have not been approved and are not the official, approved record until approved by this committee.

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<b>TC/TG/TRG MEETING SCHEDULE</b>				
<b>LOCATION – past 12 months</b>		<b>DATE</b>	<b>LOCATION - planned next 12 months</b>	
Seattle, WA		June 2014	St. Louis, MO	
Chicago, IL		January 2015	Orlando, FL	
<b>TC/TG/TRG SUBCOMMITTEES</b>				
<b>Function</b>			<b>Chair</b>	
International Program Handbook Research Green Guide Existing Buildings			Ashish Rakheja, Frank Mills Kevin Brown Doug Fick Joy Altwies Tom Lawrence Dunstan Macauley	
<b>RESEARCH PROJECTS – Current</b>			<b>Monitoring</b>	<b>Report Mode</b>
<b>Project Title</b>	<b>Contractor</b>		<b>Comm.Chm.</b>	<b>At Meeting</b>
<b>LONG RANGE RESEARCH PLAN</b>				
<b>Rank</b>	<b>Title</b>	<b>W/S Written</b>	<b>Approved</b>	<b>To R &amp; T</b>
<b>HANDBOOK RESPONSIBILITIES</b>				
<b>Year &amp; Volume</b>	<b>Chapter Title</b>	<b>No.</b>	<b>Deadline</b>	<b>Handbook Subcom. Chair/Liaison</b>
2017 Fundamentals	Energy Resources	34	August 2016	Fick / Brundage / Akers
2017 Fundamentals	Sustainability	35	August 2016	Fick / Akers

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<b>STANDARDS ACTIVITIES - List and Describe Subjects</b>
<b>TECHNICAL PAPERS from Sponsored Research - Title, when presented (past 3 yrs. present &amp; planned)</b>
Appendix 3
<b>TC/TC/TRG Sponsored Conference Papers - Title, when presented (past 3 yrs. present &amp; planned)</b>
Appendix 4
<b>TC/TG/TRG Sponsored Seminars - “Blue Is the New Green: The Emerging Focus on Integrated Water Management” (1/2015), “Biomass Combustion Strategies for Building Applications: Energy Efficiency with Low Emissions” (1/2015)</b>
Appendix 5
<b>TC/TG/TRG Sponsored Forums – “AASA: A Dream Come True?” (1/2015)</b>
Appendix 6
<b>JOURNAL PUBLICATIONS - Title, when published (past 3 yrs. present &amp; planned)</b>

**ASHRAE TC 2.8 - Building's Environmental Impact and Sustainability**

**2015 WINTER MEETING (Chicago)**

**1. Roll call and Introductions** (Macauley)

- 1.1. Meeting called to Order w/ Quorum at 5:05 PM
- 1.2. Roll Call
- 1.3. Introduction

**2. Accept Agenda/Approve Minutes of Previous Meeting** (Stafford)

- 2.1. Review Meeting Agenda
  - 2.1.1. Revisions / Modifications
    - 2.1.1.1. Scope change for TC 2.8 (Lawrence)
    - 2.1.1.2. CIBSE Sustainable Data Centers (Mills)
- 2.2. Approval of New York Meeting Minutes:
  - 2.2.1. Motion by Fick
  - 2.2.2. Seconded by Torcellini
  - 2.2.3. Minutes approved unanimously with no amendments (11-0-0, CNV)
  - 2.2.4. Update...*Hot Climate MTG* (vs. *Hot & Humid MTG*)
  - 2.2.5. Update...Doug as Handbook Chair (vs. David)
- 2.3. Approval of Seattle Meeting Minutes:
  - 2.3.1. Motion by Daewich
  - 2.3.2. Seconded by Brown
  - 2.3.3. Minutes approved unanimously with no amendments (12-0-0, CNV)
  - 2.3.4. Update 9.3...change to "Climate Change" chapter may be written by TC 2.5
  - 2.3.5. Update...Doug as Handbook Chair (vs. David)
  - 2.3.6. Add titles of sessions sponsored by the TC (see Kevin Brown)

**3. Announcements/Membership/Listserv** (Macauley)

- 3.1. Review ASHRAE Code of Ethics.

**4. Standing Committee Liaison**

- 4.1. TAC  
None attending.
- 4.2. RAC  
None attending.
- 4.3. Handbook  
None attending.
- 4.4. Standards  
None attending.
- 4.5. Special Publications  
None attending.
- 4.6. ALI  
None attending.

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**5. Subcommittee Reports**

- 5.1. Research (Joy Altwies)
  - 5.1.1. Update on Research Project 1627 which has been underway for ~6 months.
  - 5.1.2. Altwies motions that TC 2.8 co-sponsor an RTAR for a sustainable O&M training program (sponsored by TC 7.3). Brown seconds the motion. Minutes approved unanimously with no amendments (13-0-0, CNV).
  - 5.1.3. Potential three research topic ideas were discussed in meeting.
    - 5.1.3.1. Comparison of LEED Water usage tool and actual usage.
    - 5.1.3.2. Performance of buildings designed as per Standard 189.
    - 5.1.3.3. Embodied energy of equipment.
- 5.2. Programs (Kevin Brown)
  - 5.2.1. Seminar 21, Forum 2 and Seminar 61 sponsored by TC.
  - 5.2.2. Currently tracking 9 programs. Looking to have a recurring program focusing on water+energy nexus.
- 5.3. Handbook (Doug Fick)
  - 5.3.1. Updates for 2017 are ramping up.
- 5.4. GreenGuide (Tom Lawrence)
  - 5.4.1. Version 5 of the guide targeted for 2017.
  - 5.4.2. Possible new Existing Buildings chapter; update BAS chapter to include intelligent buildings.
- 5.5. International (Ashish Rakheja/Mills)
  - 5.5.1. Planning multiple seminars for future meetings.
  - 5.5.2. Article published in past edition of ASHRAE Journal.
  - 5.5.3. Looking at a new article for ASHRAE Journal on following topics
- 5.6. Standards (Tom Lawrence)
  - 5.6.1. SPC 189.1 Standard for the Design of High-Performance Green Buildings except Low-Rise Residential Buildings
    - 5.6.1.1. ASHRAE and ICC are working towards an agreement to join forces on the IGCC (ICC publishes; ASHRAE develops technical content; ICC & ASHRAE vote to approve)
  - 5.6.2. Climate Zone boundaries are shifting ~75 miles north. New CZ0 in the 2016 Standards (Brundage)
  - 5.6.3. SPC 189.3P Design, Construction and Operation of High Performance Green Healthcare Facilities
    - 5.6.3.1. Second round of comments under review.
  - 5.6.4. SPC 62.1
    - 5.6.4.1. Simplified ventilation compliance method for small projects.
    - 5.6.4.2. 62.1 and 90.1 working to address contradictory provisions
- 5.7. Existing and Future Building Challenges (Macauley for Ferraro)
  - 5.7.1. New initiative to address resiliency in sustainable design and operations.
  - 5.7.2. Motion by Brown to change name of subcommittee from “Existing Buildings” to “Existing and Future Building Challenges”. Seconded by Fick. Altwies offered friendly motion to update name to “Existing Buildings and Future Challenges”. Minutes approved unanimously with amendment (9-0-0, CNV).
- 5.8. Water-Energy Nexus Subcommittee (TBD)
  - 5.8.1. Committee becomes official after Atlanta meeting (June 2015).
- 5.9. Website (Lisa Ng)
  - 5.9.1. No report

**6. Related Activities Reports**

- 6.1. ASHRAE Grocery Store AEDG being released in near future. Funding for future AEDGs is TBD. (Torcellini)
- 6.2. bEQ working through a pilot phase. Talking with multiple cities about roll out. ASHRAE members can apply for free pilot certification through June 2015.

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6.3. ALI Smart Grid / Smart Buildings course; TC 7.5 relation to TC 2.8?

**7. Old Business**

**8. New Business**

- 8.1. Altweis motions to approve TC 2.8 to be cognizant TC for CIBSE Special Interest Group on Adaptive Cities; Dunstan forming adhoc committee to support CIBSE. Mills seconded motion. Minutes approved unanimously with no amendments (10-0-0, CNV).
- 8.2. Mills to update “Designing towards Net Zero Energy Buildings Short Course”. Proposing to reduce the “Why Net Zero” content in favor of “What and How of Net Zero”. Expand explanation of renewable options. Strategies to achieve Net Zero on a district/city-scale.
- 8.3. Mills highlighted “Green Tips to Data Centers” publication. CIBSE publishing a similar guide that includes a wider list of sustainability methodologies for data centers. ASHRAE/CIBSE should would together on the topic.
- 8.4. Grumman motioned to table the amendments to the scope of TC 2.8. Brown seconded. Minutes approved unanimously with no amendments (8-1-1, CNV). E-mail ballot to follow pending additional amendments. Altweis suggested adding “human health element” to the scope.

**9. Adjourn**

- 9.1. Motion by Daewich.
- 9.2. Seconded by Stafford.
- 9.3. Motion approved unanimously (10-0-0, CNV)
- 9.4. Meeting adjourned at 6:45 PM

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**TC 2.8 Web Site**

[www.tc28.ashraetcs.org](http://www.tc28.ashraetcs.org)

**TC 2.8 E-mail List**

This list is only for communications related to ASHRAE TC 2.8 Building Environmental Impacts and Sustainability. Do not distribute messages of any commercial nature.

To subscribe or unsubscribe to the list, you can go to the TC 2.8 list web site:  
<http://lists.onebuilding.org/listinfo.cg/tc28-l-onebuilding.org>

To send a message to all subscribers to the list, address your message to:

[tc28-l@lists.onebuilding.org](mailto:tc28-l@lists.onebuilding.org)

*Note: ASHRAE does not operate this list. Please do not ask them for help. If you have any questions, please contact: Jason Glazer [JGlazer@gard.com](mailto:JGlazer@gard.com)*

*Thanks to Jason and GARD Analytics for hosting this list!*