

TECHNICAL COMMITTEE 2.8 – Meeting Notes: Annual Conference – Chicago

MEETING MINUTES –January 2012

AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING
ENGINEERS, INC.

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 30, 2012

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

DATE OF MEETING: Jan 22, 2012 LOCATION: Hotel Palmer Hilton, Chicago, IL

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS & ADDIT'L ATTENDANCE
Mr Dunstan L Macauley, III	2011	Mr Buss Andrew Price	2009	Jim Crawford
Mr Francis A Mills	2011	Dr Raymond Man-Hung Yau, PhD	2009	Mark Harris
Mr Harry J Enck	2008	Dr Malcolm Lewis, PE	2009	NG Yong Kong
Mr Ashish Rakheja	2011		2006	Rachel Romero
Mr Kevin R Brown	2011		2005	Brian Turner
Mrs Diotima A Von Kempfski	2011		2010	Kinea Porst
Mr J Kevin Cross	2010		2004	Fuza Walters
Ms Janice K Means, PE	2010		2009	Jim Newman
Michael P Deru, PhD	2009		2005	Luis Escobar
Mr Donald M Brundage, PE	2009		2008	Lee Causey
Mr E Mitchell Swann, PE	2008		2006	Randolph Harding
Mr David L Grumman, P.E.	2011		2005	Marshal Zabel
Mr John M Swift, Jr	2011		2000	Sara Frame
Dr Thomas M Lawrence, PhD	2011		2011	Pornsak Songakul
Mr Thomas J Kelly	2010		2004	Ben Sleister
Mr William L Stanton Stafford, PE	2011		2008	Sam Birdsong
Ms Joy Eileen Altwies	2009		2001	Bill Coad
Mr Thomas E Cappellin, PE	2010		2008	Brett Van Hon
Mr Abdel Kader H Darwich, I	2010		2005	Gerald Kettler
Mr David E Ellis, PE	2011		2006	Jeff Haberl
Mr Douglas David Fick	2004		2006	Robert J Temple
Dr Vikas Patnaik	2011		2006	Ray Sinclair
Dr Paul A Torcellini	2009		2005	

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DISTRIBUTION

ALL MEMBERS OF THE TC/TG/TRG

TAC CHAIR	Charles Culp
TAC SECTION HEAD	Thomas Sobieski
SPECIAL PUBLICATIONS LIAISON	John A. Clark
STANDARDS LIAISON	Hoy Bohanon
HANDBOOK LIAISON	Jeff Traylor
RAC RESEARCH LIAISON	William McCoy
CTTC LIAISON	Jean-Gabriel Joannette
ALI LIAISON	John Nix
STAFF LIAISON (RESEARCH)	Michael Vaughn
STAFF LIAISON (STANDARDS)	Stephanie Reinche

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

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TC/TG/TRG MINUTES COVER SHEET

TC/TG/TRG No. TC 2.8 DATE: July 03, 2011

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

DATE OF MEETING: June 26, 2011 LOCATION: Fairmount – The Queen Elizabeth, Montreal, QC

TC/TG/TRG MEETING SCHEDULE					
LOCATION – past 12 months		DATE	LOCATION - planned next 12 months		DATE
Las Vegas, NV		Jan 2011	San Antonio, TX		June 2012
Albuquerque, NM		June 2010	Dallas, TX		Jan 2013
Chicago, IL		Jan 2012			
TC/TG/TRG SUBCOMMITTEES					
Function			Chair		
International Program			Ashish Rakheja, Frank Mills		
Handbook			Kevin Brown		
Research			Dave Grumman		
Green Guide			To be Appointed		
Existing Buildings			Tom Lawrence		
			Dunstan Macauley		
RESEARCH PROJECTS – Current			Monitoring	Report Mode	
Project Title	Contractor		Comm.Chm.	At Meeting	
LONGRANGE RESEARCH PLAN					
Rank	Title	W/S Written	Approved	To R & T	
HANDBOOK RESPONSIBILITIES					
Year & Volume	Chapter Title	No.	Deadline	Handbook Subcom. Chair/Liaison	
2009 Fundamentals	Energy Resources	34		Brundage/ Bansal	
2009 Fundamentals	Sustainability	35		Grumman/Bansal	
STANDARDS ACTIVITIES - List and Describe Subjects					

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TECHNICAL PAPERS from Sponsored Research - Title, when presented (past 3 yrs. present & planned)

Appendix 3

TC/TC/TRG Sponsored Conference Papers - Title, when presented (past 3 yrs. present & planned)

Appendix 4

TC/TG/TRG Sponsored Seminars - Title, when presented (past 3 yrs. present & planned)

Appendix 5

TC/TG/TRG Sponsored Forums -Title, when presented (past 3 yrs. present & planned)

Appendix 6

JOURNAL PUBLICATIONS - Title, when published (past 3 yrs. present & planned)

Lawrence, T.M., 2008, "Selecting CO₂ Criteria for Space Monitoring", *ASHRAE Journal* 50(12):18-27.

Lawrence, T.M., J. Perry and P. Dempsey, 2010, "Making Every Drop Count: Retrofitting Condensate Collection on HVAC Air Handling Units", *ASHRAE Journal* 52(1):48-54.

Lawrence, T.M., and J. Perry. 2010, "The Collection of Cooling Coil Condensate in High-Performance Buildings", *High Performance Buildings* 3(4):56-61.

Lawrence, T.M., J. Perry and P. Dempsey, 2010, "Predicting Condensate from HVAC Air Handling Units", *ASHRAE Transactions* 116(2):3-15.

ASHRAE TC 2.8 - Building's Environmental Impact and Sustainability
WINTER 2012 MEETING (Chicago)

1. **Roll call and Introductions**by John Swift
 - 1.1. Meeting called to Order w/ Quorum at 5:00
 - 1.2. Roll Call
 - 1.3. Introduction
2. **Accept Agenda/Approve Minutes of Montreal Meeting**byJohn Swift
Approval of Minutes:
 - 2.1.1. Motion by Dave.
 - 2.1.2. Seconded by Dunstan.
 - 2.1.3. Minutes approved unanimously with no amendments (11-0-0).
3. **Announcements/Membership/Listserv**by John Swift
 - 3.1. Henry J Enck, Andy Price, Mitchell Swan, Donald M Brundage rolling off in June 2012.
 - 3.2. New Vice Chair : Dunstan
 - 3.3. New Secretary : Ashish Rakheja
4. **Update from Section 2**by Tom Sobieski
 - 4.1 Briefed the members on re-branding of ASHRAE which was unveiled by Presiden Ron Jarnagin during Plenary session.
 - 4.2 Requested to keep website updated and agenda uploaded before summer meeting at San Antonio.
 - 4.3 Informed the members about deadline for Papers/Seminar/Forum for San Antonio and Dallas meetings.
 - 4.4 John also briefed on ASHRAE branding details.

5. Standards Sub-Committee Report

- 5.1 SPC 191 (Proposed Standards for Water Efficiency in Buildings, Site & Mechanical Systems) Update by John Swift
 - 5.1.1 Draft is ready and being sent out for public review.
 - 5.1.2 Internal debate being conducted to ascertain need for continuing with SPC 191 as new Standard 189.1 covers all broader issues including water.
 - 5.1.3 The dominant view is that a focused approach on water is required and hence need for continuing with SPC 191 committee.
- 5.2 SPC 189.1 (Standard for the Design of High Performance Green Buildings except Low Rise residential Buildings) Update by Tom Lawrence
 - 5.2.1 US Navy & Army are looking at adoption of Standard 189.1
 - 5.2.2 A closer interaction between SPC 191 and 189.1 is required.
- 5.3 SPC 189.3 (Design, Construction and Operation of High Performance Green Healthcare Facilities) Update by Doug
 - 5.3.1 SPC 189.2 has been re-numbered as SPC 189.3 as sub number 2 follows residential

6. Standing Committee Liaison Report

- 6.1. ALI (ASHRAE Learning Institute) by Tom Lawrence
 - 6.1.1 Two years back course created for Net Zero Energy Buildings and High Performance Buildings created by TC 2.8
 - 6.1.2 No other update
- 6.2. TAC
 - No Liaison present
- 6.3. Special Publications
 - No Liaison Present
- 6.4. RAC
 - No Liaison present

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7. **Seminar Sub Committee Report** by Kevin Brown

- 7.1 Seminar on Role of Fossil Fuels in Future Sustainable Buildings sponsored at Chicago meeting by TC 2.8
- 7.2 Following New Programs have been suggested for future meetings:
- Seminar on Existing building to be pursued for St Antonio
 - Forum on Green Guide to be pursued at St Antonio
- 7.3 Kevin informed that as per new guidelines from CEC, the seminars can be submitted directly and Conference chair will take concurrence from respective TC Program Chair prior to acceptance.
- 7.4 Following are the list of Upcoming Conferences being endorsed by ASHRAE
- High Performance Buildings at San Diego
 - Energy Modeling Conference : Atlanta
 - ASHRAE/NIST Refrigerants Course : Gaithesburg
 - 7th International HVAC Cold Climate Design : Calgary, Canada
 - IAQ 2013, Vancouver
- 7.5 Tom Lawrence informed about the upcoming Clima-ASHRAE Conference in Prague

8. **Research Sub-committee Report** by Tom Lawrence/John Swift

- 8.1 No Official meeting for the Research sub-committee could take place as the current chair has expressed inability to continue.
- 8.2 John informed everybody that currently search for Chair is ongoing and interested candidates may contact him.
- 8.3 One RTAR has been returned.

9. **Handbook Sub Committee Report** by Grumman

- 9.1 Informed that 15 people attended the sub-committee meeting that took place earlier in day.
- 9.2 Revision on Chapter 35 in Handbook has been done.
- 9.3 15 pages in the Handbook under new sustainability chapter have been handed which sub-committee approved.
- 9.4 Grumann moved that voting members of TC 2.8 approve the sustainability chapter to be submitted to ASHRAE Staff, Motion seconded by Tom Lawrence, Motion passed 13-0-0

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10. **Green Guide Sub Committee Report** by Tom Lawrence

- 10.1 Tom took over as new chair for the sub-committee from John Swift.
- 10.2 Third edition of Green Guide issued in 2011
- 10.3 The sub committee formally kicked off discussions on 4th edition of green guide
- 10.4 Tom will speak to ASHRAE if there is need for 4th edition and plan for October 2013 release.
- 10.5 Inputs planned to be taken from readers thru survey as to what new is expected in Green Guide.
- 10.6 Proposed Forum on Green Guide at San Antonio may also generate ideas.
- 10.7 Tom requested for volunteers to propose new ideas and work in sub-committee.

11. **International Sub Committee** (Frank& Ashish Rakheja)

- 11.1 Informed that Seminaris planned in future on following:
 - Voluntary efforts for Green Rating and Sustainable Practices around the world.
 - Learnings from Past.
 - Engineers role in designing Sustainable master-planning of projects.
- 11.2 In Publications committee, a standing committee for International has been formed.
- 11.3 Article contributed by sub-committee in forthcoming edition of ASHRAE Journal.
- 11.4 Sub-committee looking at a new article for ASHRAE Journal

12. **Website Sub-Committee** Report by Dunstan

- 12.1 The TC website has been transitioned to the ASHRAE site.
- 12.2 Dunstan requested for content to be added to website.
- 12.3 John walked the members present through the website.

13. **Existing Buildings Sub Committee**Report by Dunstan

- 13.1 Dunstan formed this sub-committee which has been in existence for last three meetings.
- 13.2 Scope and Purpose of Existing Building has been discussed and decided in this meeting.
- 13.3 Dunstan to put this proposal on website.
- 13.4 Dunstan to re-draft the Purpose based on comments received in meeting
- 13.5 Looking to start MTG on Investigating sustainable issues in Existing Building to improve Energy Efficiency

14. Related Activities Report

14.1. LEED (USGBC – ASHRAE Interaction) by Jay Enck

- USGBC and ASHRAE are working together in SPC 191.
- No other new development currently.

14.2. Advanced Energy Design Guides by Paul Torcellini

- 50% series has been released for Offices, K-12 School, Retail.
- Draft done for Hospital and expected to get approved in Chicago meeting and published by April 2012.

14.3 Building Performance Metric Steering Committee C by Paul Torcellini

- Met on Sunday afternoon
- Four projects being worked on

14.4 Database for Analyzing Sustainable and High Performance Buildings

- This task has been moved to TC 7.6
- Nobody was present to report

14.5 Inter Agency Sustainability Working Group

- New representative is required as Dru not involved
- Kinga from GSA volunteered to be the Representative

14.6 Green Globes/GBI (Harvey J. Bryan/Coad)
No inputs

14.7 Data Base for Analyzing Sustainable and High Performance Buildings (Deru/Yau)
No inputs

14.8 ASHRAE Climate Change Program
No Inputs

14.9 Design towards NZEB Short Course (Frank Mills / Dunstan Macauley)

Did not come up for discussions.

14.10 MTG on Green Life Cycle Analysis (Tom Lawrence)

- No work has been done and scope may not be under purview of TC 2.8
- It is suitable for Research topic
- This idea is dropped

14.11 Proposal Standard on Energy Modeling (Glaser)

No update

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15. New Business

- 15.1 John proposed initiative on Research and requested for volunteer from University/Laboratory to contact him.
- 15.2 It was debated that how to operate under new environment of re-branding done by ASHRAE. Tom commented that role of TC 2.8 under new ASHRAE tag line will be important
- 15.3 John requested for volunteers to come forward to work in TC 2.8 as replacement for four rolling off members.
- 15.4 Funding stream for AEDG is under discussion at ASHRAE.
- 15.5 There is a new option for conducting TC and sub-committee meetings as ASHRAE has embraced Web meetings.

16 Adjourn

- 16.1 Motion by Tom
- 16.2 Seconded by Dunstan
- 16.3 Motion passed unanimously (13-0-0).

TC 2.8 Web Site

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

Note: ASHRAE does not operate this list. Please do not ask them for help.