



Shaping Tomorrow's
Built Environment Today

TC 2.8 Buildings' Environmental Impacts and Sustainability

Sunday, January 24, 2016, 5:00-7:00 pm

Orlando, FL

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| 1. Roll call and Introductions | Macauley |
| 2. Accept agenda/approve minutes of Atlna meetings | Stafford |
| 3. Announcements/Membership
Review of ASHRAE Code of Ethics | Macauley |
| 4. Standing Committee Liaisons TAC/RAC/StdCom/Program/SpecPub/ALI | |
| 5. Subcommittee Reports | |
| 5.1 Standards | |
| • SPC 189.1 Standard for the Design of High-Performance Green Buildings except Low-Rise Residential Buildings | Persily/Lawrence |
| • SPC 189.3P Design, Construction and Operation of High Performance Green Healthcare Facilities | Fick |
| • SPC 191P Standard for the Efficiency Use of Water in Building, Site and Mechanical Systems | Swift |
| 5.2 International | Rakheja / Mills |
| 5.3 Green Guide | Lawrence |
| 5.4 Water-Energy Nexus | Ferraro / Betz |
| 5.5 Research | Altwies |
| 5.6 Handbook | Fick |
| 5.7 Programs | Brown |
| 5.8 Existing and Future Building Challenges | Macauley |
| 5.9 Website | Ng |
| 6. Related Activities Reports | |
| 6.1 ASHRAE Advanced Energy Design Guides Update | Torcellini |
| 6.2 ASHRAE bEQ | |
| 6.3 Input from other TCs? | |
| 7. Old Business | |
| 7.1 TC 2.8 Scope | Macauley |
| 8. New business | |
| 9. Adjourn | |

NEXT MEETING: Sunday, June. 26, 2016, St. Louis, Missouri

ASHRAE Code Of Ethics

(Approved by ASHRAE Board of Directors January 30, 2013)

1.140.001.1 As members of ASHRAE or participants in ASHRAE committees, we pledge to act with honesty, fairness, courtesy, competence, integrity and respect for others in our conduct.

A. Efforts of the Society, its members, and its bodies shall be directed at all times to enhancing the public health, safety and welfare.

B. Members and organized bodies of the Society shall be good stewards of the world's resources including energy, natural, human and financial resources.

C. Our products and services shall be offered only in areas where our competence and expertise can satisfy the public need.

D. We shall act with care and competence in all activities, using and developing up-to-date knowledge and skills.

E. We shall avoid real or perceived conflicts of interest whenever possible, and disclose them to affected parties when they do exist.

F. The confidentiality of business affairs, proprietary information, intellectual property, procedures, and restricted Society discussions and materials shall be respected.

G. Each member is expected and encouraged to be committed to the code of ethics of his or her own professional or trade association in their nation and area of work.

H. Activities crossing national and cultural boundaries shall respect the ethical codes of the seat of the principal activity.

TC 2.8 Web Site

<http://tc28.ashraetcs.org>

To subscribe or unsubscribe to the list, you can go to the TC 2.8 list web site:

<http://lists.onebuilding.org/listinfo.cgi/tc28-l-onebuilding.org>

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 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. If you have any questions, please contact: Jason Glazer JGlazer@gard.com

Thanks to Jason and GARD Analytics for hosting this list!

For comments, suggestions, volunteering to help, etc. with anything dealing with TC 2.8, please contact me at:

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WSP

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2016 ASHRAE Winter Conference Meeting Schedule

Time/Date	Meeting/Event	Location, Room, Floor*
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Sunday, 24 January 2016

11:30 AM to 12:00 PM	International Subcommittee	
12:00 PM to 1:00 PM	Green Guide Subcommittee	
1:00 PM to 1:30 PM	Water-Energy Nexus Subcommittee	
1:30 PM to 2:45 PM	Research Subcommittee	
2:45 PM to 3:45 PM	Handbook Subcommittee	
3:45 PM to 4:15 PM	Program Subcommittee	
4:15 PM to 4:45 PM	Existing Buildings Subcommittee	

5:00 to 7:00 PM **TC 2.8 Building Environmental Impacts and Sustainability – Main Committee Meeting**

Monday, 25 January 2016

8:00 AM to 12:00 PM	SPC 189.3	
9:00 AM to 11:00 AM	SPC 191	
2:15 PM to 3:30 PM	SPC 189.3	

Tuesday, 26 January 2016

7:30 AM to 9:30 AM	SPC 189.1	
9:30 AM to 7:00 PM	SPC 189.1 Working Group Meetings	

Wednesday, 27 January 2016

8:00 AM to 12:00 PM	SPC 189.1	
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TC 2.8 Sponsored and Co-Sponsored Sessions – 2016 Orlando Conference

Sunday January 24, 2016 8:00-9:00 am

SEMINAR (INTERMEDIATE)

Commissioning: Closing the Loop

Chair: E. Mitchell Swann, P.E., Member, MDC Systems, Paoli, PA

It is common knowledge in the industry that buildings and systems have become both more complicated and more complex. This complexity often manifests itself in the interplay and display between various systems. Concomitant with this complexity has been the growth in the art and practice of commissioning. This program looks at commissioning from an international perspective. Experienced practitioners from far and not so far afield tell us how they get it done.

Sunday, January 24, 2016 11:00 am - 12:30 pm

SEMINAR (INTERMEDIATE)

Updates and Perspectives on the New Version of ICC 700, The Residential Green Building

Chair: Jeff Inks, Window and Door Manufacturers Association, Washington, DC ASHRAE has entered a partnership with NAHB and ICC to revise the 2012 version of ICC 700. The revised version of the standard includes some significant changes intended to increase its adoption and use. This seminar discusses key changes to the new version of the standard. ASHRAE involvement and feedback on the partnership with NAHB and ICC is also provided. Application of the standard from a user's perspective is discussed.

Sunday, January 24, 2016 1:30 - 3:00 pm

SEMINAR (INTERMEDIATE)

Integrating ASHRAE Standard 189.1 and IgCC Compliance Requirements: Options and Issues

Chair: Neil Leslie, Gas Technology Institute, Des Plaines, IL By agreement with ICC, ASHRAE Standard 189.1 provides the technical content of the next version of the International Green Construction Code. IgCC and Standard 189.1 have many similar provisions but also have major differences in some of the compliance requirements and calculation methodologies. This seminar provides an overview of the agreement between ICC and ASHRAE and its implications for

future revisions to Standard 189.1. Key differences in the energy performance requirements between IgCC and Standard 189.1 are reviewed, along with options for updates to energy performance provisions within Standard 189.1.

Monday, January 25, 2016 8:00-9:30 am

SEMINAR (INTERMEDIATE)

Metrics Matter: How Should We Judge Energy Performance?

Chair: Richard Sweetser, Life Member, Exergy Partners Corp, Herndon, VA Determining a building's energy performance for benchmarking, code compliance and investment decisions is extremely complicated. The choice of metric, methodology and values all matter if the primary intent of the initiative is to be achieved equitably in a competitive marketplace. This seminar compares and contrasts different metrics and approaches used by ASHRAE and other organizations, including metrics based on end use loads, site energy, energy cost, primary energy and greenhouse gas emissions. Benefits and challenges with each metric are explored, and options for reconciling differences among the metrics are examined.

Wednesday, January 27, 2016 11:00am - 12:30 pm

SEMINAR (INTERMEDIATE)

Net Zero Energy Home Strategies from Coast to Coast

Chair: Dianne Griffiths, P.E., Member, Steven Winter Associates, Inc., Norwalk, CT

Affordable and healthy high performance net zero energy (NZE) homes that combine energy efficiency improvements with onsite renewable energy production are possible throughout the country. However, it can be difficult to determine the appropriate strategy for achieving NZE performance while maintaining acceptable occupant comfort and indoor air quality. This seminar discusses technology issues and local conditions and practices and provides design guidance and cost-optimal performance packages that are applicable locally, regionally and nationally. Modeling tools, an experimental facility and real-world examples of affordable net zero energy home design packages are reviewed.

Upcoming Conferences:

2016 Annual Conference:	St. Louis, MO
2017 Winter Conference:	Las Vegas, NV
2017 Annual Conference:	Long Beach, CA
2018 Winter Conference:	Chicago, IL

Information on these ASHRAE Conferences can be found on ASHRAE's website under Events – www.ashrae.org