## TC/TG/TRG MINUTES COVER SHEET

**TC/TG/TRG No.** TC 2.8  
**DATE:** January 26, 2014

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

**DATE OF MEETING:** Jan 26, 2014  
**LOCATION:** New York Hilton, New York, NY

<table>
<thead>
<tr>
<th>MEMBERS PRESENT</th>
<th>YEAR APPTD</th>
<th>MEMBERS ABSENT</th>
<th>YEAR APPTD</th>
<th>EX-OFFICIO MEMBERS &amp; ADDIT’L ATTENDANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr Dunstan L Macauley, III</td>
<td>2013</td>
<td>Mr Tom Cappellin</td>
<td>2012</td>
<td>Ashish Rakheja</td>
</tr>
<tr>
<td>Mr David Ellis</td>
<td>2013</td>
<td></td>
<td></td>
<td>Calina Ferraro</td>
</tr>
<tr>
<td>Mr Douglas David Fick</td>
<td>2013</td>
<td></td>
<td></td>
<td>Ng Yong Kong</td>
</tr>
<tr>
<td>Mr Kevin R Brown</td>
<td>2011</td>
<td></td>
<td></td>
<td>Stanton Stafford</td>
</tr>
<tr>
<td>Ms. Joy Altwies</td>
<td>2012</td>
<td></td>
<td></td>
<td>Brian Turner</td>
</tr>
<tr>
<td>Dr Thomas M Lawrence</td>
<td>2012</td>
<td></td>
<td></td>
<td>Kinga Porst</td>
</tr>
<tr>
<td>Mr. Frank Mills</td>
<td>2013</td>
<td></td>
<td></td>
<td>Don Brundage</td>
</tr>
<tr>
<td>Mrs. Diotima Von Kempski</td>
<td>2012</td>
<td></td>
<td></td>
<td>E. Mitchell Swann</td>
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<tr>
<td>Dr. Paul Torcellini</td>
<td>2013</td>
<td></td>
<td></td>
<td>Lisa Ng</td>
</tr>
<tr>
<td>Mr Kevin Cross</td>
<td>2010</td>
<td></td>
<td></td>
<td>Michael Deru</td>
</tr>
<tr>
<td>Mr Abdel Daewich</td>
<td>2012</td>
<td></td>
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<tr>
<td>Mr David L Grumman, P.E.</td>
<td>2013</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Ms. Janice Means</td>
<td>2010</td>
<td></td>
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</tbody>
</table>
ALL MEMBERS OF THE TC/TG/TRG

TAC CHAIR            Walter Grondzik
TAC SECTION HEAD     Thomas Sobieski
STANDARDS LIAISON    Cyrus Nasseri
HANDBOOK LIAISON     Larry Akers
RAC RESEARCH LIAISON Harvey Sachs
CTTC LIAISON         Chris Fudge
ALI LIAISON          Hugh McMillan
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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### TC/TG/TRG MEETING SCHEDULE

<table>
<thead>
<tr>
<th>LOCATION – past 12 months</th>
<th>DATE</th>
<th>LOCATION - planned next 12 months</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denver, CO</td>
<td>June 2014</td>
<td>Seattle, WA</td>
<td>June 2014</td>
</tr>
<tr>
<td>Dallas, TX</td>
<td>Jan. 2014</td>
<td>Chicago, IL</td>
<td>Jan. 2015</td>
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### TC/TG/TRG SUBCOMMITTEES

<table>
<thead>
<tr>
<th>Function</th>
<th>Chair</th>
</tr>
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<tbody>
<tr>
<td>International Program</td>
<td>Ashish Rakheja, Frank Mills</td>
</tr>
<tr>
<td>Handbook</td>
<td>Kevin Brown</td>
</tr>
<tr>
<td>Research</td>
<td>Dave Grumman</td>
</tr>
<tr>
<td>Green Guide</td>
<td>To be Appointed</td>
</tr>
<tr>
<td>Existing Buildings</td>
<td>Tom Lawrence</td>
</tr>
<tr>
<td></td>
<td>Dunstan Macauley</td>
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</table>

### RESEARCH PROJECTS – Current

<table>
<thead>
<tr>
<th>Project Title</th>
<th>Contractor</th>
<th>Comm.Chm.</th>
<th>Report Mode</th>
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<td></td>
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<td>At Meeting</td>
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### LONG RANGE RESEARCH PLAN

<table>
<thead>
<tr>
<th>Rank</th>
<th>Title</th>
<th>W/S Written</th>
<th>Approved</th>
<th>To R &amp; T</th>
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<tbody>
<tr>
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### HANDBOOK RESPONSIBILITIES

<table>
<thead>
<tr>
<th>Year &amp; Volume</th>
<th>Chapter Title</th>
<th>No.</th>
<th>Deadline</th>
<th>Handbook Subcom. Chair/Liaison</th>
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<tbody>
<tr>
<td>2013</td>
<td>Energy Resources</td>
<td>34</td>
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<td>Brundage/Bansal</td>
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<tr>
<td>2013</td>
<td>Sustainability</td>
<td>35</td>
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<td>Grumman/Bansal</td>
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<tr>
<td>2013 Fundamentals</td>
<td></td>
<td></td>
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</tbody>
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### STANDARDS ACTIVITIES - List and Describe Subjects

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

<table>
<thead>
<tr>
<th>Appendix 3</th>
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</thead>
</table>

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

<table>
<thead>
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<th>Appendix 4</th>
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</table>

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

<table>
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<th>Appendix 5</th>
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### TC/TG/TRG Sponsored Forums - Title, when presented (past 3 yrs. present & planned)

<table>
<thead>
<tr>
<th>Appendix 6</th>
</tr>
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### JOURNAL PUBLICATIONS - Title, when published (past 3 yrs. present & planned)


1. **Roll call and Introductions** Macauley
   
   1.1. Meeting called to Order w/ Quorum at 5:05
   1.2. Roll Call
   1.3. Introduction

2. **Accept Agenda/Approve Minutes of Las Vegas Meeting** Macauley
   
   2.1. Approval of Minutes:
   
   2.1.1. Motion by T. Lawrence.
   2.1.2. Seconded by D. Fick.
   2.1.3. Minutes approved unanimously with no amendments (9-0-1, CNV).

3. **Announcements/Membership/Listserv** Macauley
   
   3.1. RAC recommended revisions to RTAR 1627. RAC recommended that a control group be added of buildings that are built to a code minimum standard (ASHRAE 90.1).
   
   3.1.1. J. Altwies moved that RTAR 1627 be revised to include the recommended revisions. K. Cross seconded. (11-0-1, CNV)

4. **Standing Committee Liaisons (TAC/RAC/StdCom/Program/SpecPub/ALI)**
   
   4.1. **TAC**
   
   4.1.1. No Liaison present.

   4.2. **RAC**
   
   4.2.1. Discussed RTAR 1627. See 3.1

   4.3. **Standards**
   
   4.3.1. No Liaison present.

   4.4. **Programs**
   
   4.4.1. No Liaison present.

   4.5. **Special Publications**
   
   4.5.1. No Liaison present.

   4.6. **ALI**
   
   4.6.1. In need of reviewers for a Smart Grid / Smart Building short course.

5. **Subcommittee Reports**

   5.1. **Research-**. Joy Altwies
   
   5.1.1. Review research priorities. The following topics will continue to be tracked:
   
   5.1.1.1. Do buildings constructed to Standard 189.1 perform as designed?
   5.1.1.2. Comparison of LEED buildings water usage.
   5.1.1.3. IAQ
   5.1.1.4. Embodied Energy
5.1.2. Please contact Joy Altwies with and research ideas.

5.2. **Programs** - Kevin Brown.

5.2.1. TC 2.8 have 5 sponsored programs.
5.2.2. Tracking 10 programs for future conferences.

5.3. **Hand Book** - Doug Fick

5.3.1. Started to cycle for the 2017 handbook cycle.
5.3.2. Chapter has to be submitted by summer of 2016.
5.3.3. Looking for volunteers to review chapters. Please contact Doug Fick.

5.4. **Green Guide** - Tom Lawrence

5.4.1. Version 4 is now out.
5.4.2. The GreenGuide is now on 3 year maintenance cycle.
5.4.3. Need to investigate topics for next version.
5.4.4. Revised chapters on sustainable sites, IAQ. Also updated Green Tips.

5.5. **International** - Ashish Rakheja / Frank Mills

5.5.1. Seminars planned on the Energy/Water nexus.

5.6. **Standards** -

5.6.1. SSPC 189.1 Design, Construction and Operation of High Performance Green Buildings (Persily)
   5.6.1.1. Will be a issued later this year to coincide with IGCC.
5.6.2. SPC 189.3P Design, Construction and Operation of High Performance Green Healthcare Facilities (Fick)
   5.6.2.1. Committee scheduled to meet on Monday.
5.6.3. SPC 191P Standard for the Efficiency Use of Water in Building, Site and Mechanical Systems (J. Swift).
5.6.4. Reviewing comments from public review draft.

5.7. **Web Site** - Dave Ellis

5.7.1. Please provide recommendations on improving the Website.

5.8. **Existing Buildings** - Dunstan Macauley

5.8.1. Working on the embodied energy article.

6. **Related Activities**

6.1. LEED (USGBC – ASHRAE Interaction) - (Jay Enck)
   6.1.1. LEED 2012 has been thru first for public review.
   6.1.2. LEED 2012 will be out for second public review in July.

6.2. Advanced Energy Design Guides– (Paul Torcellini)
   6.2.1. Now working on 50% series.
6.2.1.1. Kicked off 50% guide for Grocery.
6.2.1.2. Requesting comments.
6.2.1.3. Currently funding has not be allocated past the 50% series.
6.2.2. Any feedback please contact P. Torcellini.
6.2.3. In discussion within ASHRAE and DOE to determine how widely used are the guides.

6.3. Green Globes/GBI (Harvey J. Bryan)
6.3.1. No Report

6.4. DASH (Michael Deru)
6.4.1. No Report.

7. **Input from other TCS**

7.1.1. No Report

8. **Old Business- no other reports**

9. **New Business**

9.1. TAC is forming a new outstanding TC award.
   9.1.1. A new Hot and Humid Climate MTG has been formed.
9.2. CEC is soliciting conference papers reviewers.
   9.2.1. Adhoc committee formed to look at improvements to the website.

10. **Adjourn**
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-I-onebuilding.org

To send a message to all subscribers to the list, address your message to:
tc28-I@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!