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AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, N.E./Atlanta, GA 30329 USA

TC/TG/TRG MINUTES COVER SHEET

(Minutes of TC/TG/TRG Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/TRG No.: TC 1.09

Date: August 6, 2014

TC/TG/TRG TITLE: Electrical Systems

DATE OF MEETING: Tuesday, July 1, 2014

LOCATION: Seattle, WA

MEMBERS PRESENT	YEAR APPT'D	MEMBERS ABSENT	YEAR APPT'D	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Voting Members Steven Faulkner Armin Hauer Larry Markel Frank Pucciano Michael Todd John Nix Corresponding Members Charles Foster Steve Rosenstock		Voting Members Kenneth Luther Ram Narayannamurthy International Members Dr Marija S Todorovic Corresponding Members Subhash Brahmavar Curtis Crane Robert Crosby Dr Alexander Domijan Dr Chad Dorgan Fred Dougherty Carlos Estrada Norman Fowler Wayne Frazell Joe Hague Robert Helt Rodney Lewis Joseph Lunsford Janet Lynch John Metzger Wayne Mitchell Dr Ralph Muehleisen T. Nagiah Rex Noble Janice Peterson Thomas Piwinski John Richardson		Section Head RAC Art Giesler Visitors

		Richard Rundus Colleen Smith Leo Stambaugh Dr John Stoops Louis Sulfstede Paul Tanpitukponoje Marvin Thedford Gary Throckmorton Russell Tiffany William Warren Jr.		
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DISTRIBUTION:

ALL MEMBERS OF TC/TG/TRG (and meeting guests) TAC Section Head: <u>Jeff Traylor</u> Chapter Tech Transfer: <u>Alexander Weiss</u> Research Liaison: <u>Art Giesler</u> ALI/PDC: <u>Hugh McMillan</u> HB Applications: <u>John Pennington</u>	ASHRAE Special Publications: <u>Francis Mills</u> TAC Chairman: <u>Walter Grondzik</u> Standards Liaison: <u>Cecily Grzywacz</u> Manager of Standards: <u>Stephanie Reiniche</u> Staff Liaison/Resch./Tech Svcs: <u>Michael Vaughn</u>
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ASHRAE TC/TG/TRG ACTIVITIES SHEET

MEETING DATE: July 1, 2014

TC/TG/TRG NO.: TC 1.09 TC/TG/TRG TITLE: Electrical Systems

CHAIR: Frank Pucciano VICE CHAIR: Larry Markel SECRETARY: Michael Todd

TC/TG/TRG MEETING SCHEDULE

Location – Past 12 Months	Date	Location – Planned Next 12 Months	Date
New York, New York	1/21/14	Chicago, Illinois	1/2015
Seattle, Washington	6/28/14	Atlanta, Georgia	6/2015

TC/TG/TRG SUBCOMMITTEES

Function	Chair
Standards	Ken Luther
Research	Larry Markel
Program	John Nix
Handbook	Frank Pucciano
Webmaster	Steven Faulkner

RESEARCH PROJECTS – CURRENT

Project Title	Contractor	Monitoring Committee	Report Made At Meet
None			

LONG RANGE RESEARCH PLAN

Rank	Title	W/S Written	Approved	To RAC
None				

HANDBOOK RESPONSIBILITIES

Year & Volume	Chapter	Title	No	Deadline	Handbook Liaison
2015 HVAC Applications	Electrical Systems		56	2014	Brian Rock

STANDARD ACTIVITIES – List and Describe Subjects None
TECHNICAL PAPERS from sponsored research – title, when presented (past 3 years present and planned) None
TC/TG/TRG SPONSORED SYMPOSIA – title, when presented (past 3 years, present, and planned) None
TC/TG/TRG SPONSORED SEMINARS – title when presented (past 3 years, present, and planned) 6/11 Electric Vehicles and Net Zero Energy Buildings: A Perfect Match or an Odd Couple
TC/TG/TRG SPONSORED FORUMS – title, when presented (past 3 years, present, and planned) None
JOURNAL PUBLICATIONS – when published (past 3 years, present and planned) None

Submitted By: Michael Todd
Secretary

ASHRAE TC 1.9 Electrical Systems

Minutes for the Meeting at Sheraton Seattle, Washington Tuesday, July 1, 2014

1. CALL TO ORDER

Introduction of Members and Guests.

Technical Committee 1.9 was called to order at 3:40 pm at the Sheraton in Seattle, Washington. Technical Committee Member introductions were made. The chairman read the ASHRAE code of ethics and the scope of TC1.9. Absent Members are identified on the cover sheet.

Frank Pucciano reviewed the membership list to determine if a quorum was present. A quorum was present with 6 out of 7 voting members present.

2. APPROVAL OF MINUTES AND REVIEW OF ACTION ITEMS

Chair Frank Pucciano reported the drafted minutes for the New York meeting were sent out via e-mail.

Motion: A motion to approve the New York minutes was given by Larry Markel and a second by Steven Faulkner. A vote was taken and the minutes from the New York meeting were approved with a 6-0-0 vote.

Report Action Items:

None.

3/4. TC MEMBERSHIP and COMMITTEE APPOINTMENTS

Report on changes in voting members.

New positions rolling on after this meeting:

Chair – Larry Markel
Vice Chair – Michael Todd
Secretary – Charles Foster
Webmaster – Steven Faulkner
Programs – John Nix
Handbook – Armin Hauer

5. CHAIR REPORT: Frank Pucciano

Frank and Larry presented a summary of the TC Chair meeting. The Track chairs get to decide what programs are accepted for conferences. It was recommended to go to the track chairs to

help understand why seminars, forums, workshops, and papers are not accepted. ASHRAE seems to be approving more and more workshops to get in the younger crowd and not putting as much focus on forums. Three strikes for bad speaking reviews are still in effect and letters continue to be sent out. The New York and Seattle conferences were the most expensive conferences ever held. One contributing factor is hotels aren't giving as good rates because they feel the economy is turning around.

Up and coming meetings: Chicago, Illinois January 24 to 28, 2015

6. SUBCOMMITTEE REPORTS

A. Standards: Ken Luther

None.

B. Research: Larry Markel

RAC approved the co-sponsoring with TC 6.9 (Thermal Storage) of the work statement 1607 *"Use of thermal energy storage to mitigate variability of as-available renewable energy"*. Proposals may be evaluated starting at the Chicago meeting.

C. Program: John Nix

Deadline for Chicago seminar, forum, and workshop proposals is August 11, 2014.

TC 6.9 is discussing a program: *"Thermal storage and utility grid management using SMART meters and SMART grids"*.

"Smart Inverter Standards, to Manage Your Smart Building While Connected to the Smart Grid" was originally submitted for Seattle as a workshop (supposed to be held as part of our TC meeting but not listed in the program) and resubmitted for Chicago as a workshop. More discussion followed with the example of Hawaii having the problem of different load profile and lots of non-inertia power generation, which causes grid fluctuations. The idea of changing this topic to a conference paper was also discussed; however, there is not much time to include as a paper for Chicago but instead might be targeted for Atlanta.

Another topic discussed was *"Using SMART meters and demand response to continuously commission your building"*. A conference paper is more work but has a better chance of getting approved.

Lastly, another idea discussed was *"Meters and management, putting your building back into shape"* as a potential seminar with the following speaker topics:

- Continuous metering
- SMARTs on renewable energy and storage
- Case study

Larry is to call the track chair to investigate his opinion on whether or not a seminar may work for Atlanta and to find out what he is looking for.

John is to also talk to some people to see how we are stacking up for seminars in Atlanta.

D. Handbook: Frank Pucciano

The handbook was submitted back in March and on time. Frank appreciated everyone's input and help. The updated version will be published in 2015. Proof expected before December, 2014. This proof should serve as the next starting point for the next handbook revision. Armin is rolling on as handbook chair.

Armin made a request to coordinate our chapter with TC1.11 in order to avoid duplication.

Basecamp is a program to help foster collaboration on revisions on a single document with lots of parallel editors (ECCE purchased 10 pilot licenses) and might be excellent for future handbook development.

E. Membership: Larry Markel

The group continued to discuss the need to attract new and younger members. The group had an idea to send someone to the YEA mixer to give a quick 10 minute presentation or to handout a flyer about our TC.

Another idea would be to start a discussion on the ASHRAExChange or post a video on our website or link to a Facebook page about this TC.

Lastly, another idea was introduced to use a research meeting to present (open meeting) a topic in order to help gather more members.

F. Professional Development Committee (PDC Coordinator): John Nix

The Rates course will have definitions removed and be re-titled. It will be published as an ASHRAE online seminar for Monday October 13, 2014 as *"Maximizing Customer Benefits Using Key Electric Utility Products"*.

7. WEB SITE: Steven Faulkner

Steve needs to update the website. The website update process is cumbersome and it was suggested to discuss this problem with ECC and TAC.

8. LIASION REPORTS

Section Head: None.

RAC: The new RTAR form is in effect and seems to be going well. ASHRAE is still low on research projects and has money for projects. There is no backlog and if few projects are received soon, money will be added to the research reserve.

9. OLD BUSINESS

None.

10. NEW BUSINESS

Steve mentioned the possibility about hosting a conference tour to Georgia Power's customer center during the upcoming meeting in Atlanta. Another idea was linking a virtual tour video of the center with ASHRAE's virtual conference as a green alternative. Steve to investigate further.

Frank thanked everyone for coming to the meeting.

11. ANNOUNCEMENT OF NEXT MEETING

Chairman Frank Pucciano announced that the next meeting would be held in Chicago, Illinois in January 2015 at the same time on Tuesday.

12. ADJOURNMENT

Steven Faulkner made a motion to adjourn with a second from John Nix. Motion carried 5-0-1.

Respectfully Submitted,
Michael Todd
Secretary, TC 1.09