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| | | Chad Dorgan Rex Noble Janice Peterson Thomas Piwinski Richard Rundus Colleen Smith Lousi Sulfstede Paul Tanpitukponoje Marvin Thedford Gary Throckmorton William Warren Charles Foster Janice Peterson William Warren Jr. | | |
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DISTRIBUTION:

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| ALL MEMBERS OF TC/TG/TRG (and meeting guest) TAC Section Head: <u>Victor Penar</u> Chapter Tech Transfer: <u>Steve L Rosen</u> Research Liaison: <u>Dr Sriram Somasundaram</u> ALI/PDC: <u>Filiza H Walters</u> HB Applications: <u>John Pennington</u> | ASHRAE Special Publications: <u>John A. Clark</u> TAC Chairman: <u>Charles C Wilkin, PE</u> Standards Liaison: <u>Michael Woodford</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: June 28, 2011

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

CHAIR: Steven Faulkner VICE CHAIR: Frank Pucciano SECRETARY: Kris Findley

TC/TG/TRG MEETING SCHEDULE

| Location – Past 12 Months | Date | Location – Planned Next 12 Months | Date |
|---|---|--------------------------------------|--------------------------------|
| Las Vegas, Nevada Albuquerque, New Mexico Montreal, Canada | 2/1/11 6/29/11 6/28/11 | Chicago San Antonio | 1/2012 6/2012 |
| | | | |

TC/TG/TRG SUBCOMMITTEES

| Function | Chair |
|-----------|-----------------|
| Standards | Ken Luther |
| Research | Larry Markel |
| Program | Russell Tiffany |
| Handbook | Frank Pucciano |
| Webmaster | Kris Findley |

RESEARCH PROJECTS – CURRENT

| Project Title | Contractor | Monitoring Committee | Report Made At Meet |
|---------------|------------|----------------------|---------------------|
| | | | |

LONG RANGE RESEARCH PLAN

| Rank | Title | W/S Written | Approved | To RAC |
|------|-------|-------------|----------|--------|
| None | | | | |

HANDBOOK RESPONSIBILITIES

| Year & Volume | Chapter | Title | No | Deadline | Handbook Liaison |
|---------------|--------------------|-------|----|----------|------------------|
| 2004 Systems | Electrical Systems | | 55 | 2011 | 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)

2/00 Current Aspects of Distributed Technology (co-sponsored w/ TC 9.5)
 1/04 Distributed Generation, Security and the Hydrogen Economy None

TC/TG/TRG SPONSORED SEMINARS – title when presented (past 3 years, present, and planned)

1/08 How Do You Connect Your Net-Zero Building to the Grid? Seminar 66
 6/08 Benchmarking for Carbon Analysis: Here's What's Coming Seminar 56
 1/10 What Does A large building Operator Need to Know about the SmartGrid while the Grid is Still in School Seminar 15
 6/10 Cap & Trade: Impact on buildings and Operating Cost, Co-Sponsor
 2/11 Putting Your Meter-And Submeter-To Work For You
 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)

1/10 Will Equipment Protection Requirements for Large Buildings Change as NZEB with PV Increase?

JOURNAL PUBLICATIONS – when published (past 3 years, present and planned)

Submitted By: Steven Faulkner
 Chair

ASHRAE TC 1.9 Electrical Systems

Minutes for the Meeting at The Fairmont Le Reine Elizabeth Montreal, Canada Tuesday, June 28, 2011

1. CALL TO ORDER

Introduction of Members and Guests. Technical Committee 1.9 was called to order at 3:40 pm at the Fairmont Le Reine Elizabeth in Montreal Canada. Technical Committee Members and guests introduced themselves and briefly described their backgrounds. Absent Members are identified on the cover sheet.

Steven Faulkner reviewed the membership list to determine if a quorum was present. A quorum was present.

2. APPROVAL OF MINUTES AND REVIEW OF ACTION ITEMS

Chair Steven Faulkner reported the drafted minutes for the Albuquerque, New Mexico and Las Vegas meetings were sent out via e-mail.

Motion: A motion to approve the Albuquerque and Las Vegas minutes was given by Chair Steven Faulkner and a second by John Stoops. A vote was taken and minutes from the Albuquerque meeting and Las Vegas meeting was approved 5-0-0 vote

John Richardson and Kris Findley voted by email

Report Action Items:

There were no outstanding Action Items.

3/4. TC MEMBERSHIP and COMMITTEE APPOINTMENTS

Report on changes in voting members.

5. CHAIR REPORT: Steven Faulkner

Comments from breakfast, spoke about upcoming meetings in Chicago and San Antonio. Winner of Hightower Award. Roster updates, Updating voting member, TC voting procedure.

Up and coming meetings: Chicago, Illinois January 21 to January 25, 2012

San Antonio, Texas June 23 to June 27, 2012

6. SUBCOMMITTEE REPORTS

A. Standards: Ken Luther

B. Research: Larry Markel

C. Program: Russell Tiffany

D. Handbook: Frank Pucciano

Copy of Chapter in handbook needs to be reviewed. Frank is trying to locate a copy that can be edited. Frank has to split his time between TC 1.9 and TC 6.8. Both meet on Tuesday afternoon.

John Pennington – Handbook Liaison

Discussion on next round of Chapter Additions

E. Membership: Larry Markel

Discussion on ways to reach out to find more members that can attend meetings. Go to Help Wanted on ASHRAE's website. Send email to Jim Hall 41.11 Measurement of Electrical Power and Steve Busheby TC 2.3

F. Professional Development Committee (PDC Coordinator):

Steven Faulkner brought up short courses. The last meeting Jon Nix spoke: ASHRAE would also like to have new short courses and long courses. We discussed a short course on electric, gas and water rates, how to calculate energy savings for energy efficiency projects.

Need more discussion.

7. WEB SITE: Kris Findley

Kris was absent, but web site is up-to-date

8. LIASION REPORTS

Robert Helt and Michael Todd TC 1.11

TC 1.11 is planning to do a Seminar in Chicago on Harmonic Distortion and Reality. They would like to TC 1.9 to co-sponsor this seminar. The seminar will cover; how drives are applied, harmonic guidelines, Standard 5.19

9. OLD BUSINESS

Discussion on developing a short course for energy rates.

10. NEW BUSINESS

Frank Pucciano discussed putting together a seminar for Chicago on Energy Security. Will try and get four speakers that he has worked with in the past.

Discussion on updating Standard 120, has not been updated since 1989

John Stoops interested in putting together a seminar or forum on Energy Efficiency Programs

Steven thanked everyone for coming to the meeting.

11. ANNOUNCEMENT OF NEXT MEETING

Chairman Steven Faulkner announced that the next meeting would be held in Chicago, Illinois January 2012 at the same time on Tuesday.

12. ADJOURNMENT

Frank Pucciano made a motion to adjourn; Steven Faulkner made a second to the motion. Motion carried 5-0-0.

Respectfully Submitted,
Steven Faulkner
Chair, TC 1.09