



**ASHRAE** American Society of Heating, Refrigeration and Air-Conditioning Engineers, Inc.

1971 Tullie Circle, NE • Atlanta Georgia 30329 • (404)636-8400 • Tlx 705343 ASHRAE • Fax (404)321-5478

**TC/TG/TRG MINUTES COVER SHEET**

These draft minutes have not been approved and are not the official, approved record until approved by this Technical Committee. (Minutes of all TC/TG/TRG Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

**TC/TG/TRG No.: TC 6.2**

TC/TG/TRG Title: District Energy

**Date of Meeting: June 23, 2013**

**Date: January 15, 2014**

**Location: Denver, CO**

			<b>Ex-officio Members &amp; Guests</b>		
<b>Members Present</b>	<b>Year Apptd</b>	<b>Members Absent</b>	<b>Year Apptd</b>	<b>Corresponding Members</b>	<b>Year Apptd</b>
Alan Neely	09	Frank St John		Jay Eldridge	
Greg Henderson	12	Nemat Lofti		Drew Overmiller	
Vic Penar	12	Emil Freeberg		Chris Paraskevacos	
Blake Ellis				Joe Brillhart	
Steve Tredinnick	09			Rich Sweetser	
Lucas Hyman	12			Geoff Bares	
David Wade	12			Larry Markel	
Jim Young	12			Ken Collier	
Gary Phetteplace	12			<b>Guests</b>	
				Bryan Birosak	
				Don Bahnfleth	
				Cary Smith	
				Pernille Overbye	
				Vazlib Khmelenko	
				Francesco Scheff	
				John Dunlap	

**DISTRIBUTION**

***All Members of TC/TG/TRG and guests plus the following:***

TAC Section Head:	John Dunlap
TAC Chair:	Charles Culp
Handbook Liaison:	Russel Lindeman
Journal/Insights Liaison:	Joe Pietsch
Standards Liaison:	James Vallort
RAC Research Liaison:	Jaap Hogeling
Program Liaison:	Lane Jackins
Special Publications Liaison:	William Fleming
Chapter Tech Transfer	Corey Metzger
ALI Liaison:	Emil Friberg



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**ADDITIONAL DISTRIBUTION**

ASHRAE Staff Liaison (Standards):	James Vallort
ASHRAE Staff Liaison (Technical Services):	Michael Vaughn



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**ACTIVITIES SHEET**  
**ASHRAE TC 6.2 DISTRICT ENERGY**  
**Sunday, June 23, 2013 – Denver, CO**

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Chairman: David Wade  
Vice-Chair: Lucas Hyman  
Secretary: Ken Collier

**TC 6.2 Meeting Schedule:**

<b>Location Past 3 Meetings</b>	<b>Location Next 3 Meetings</b>
Chicago, IL January 2012	Denver, CO June 2013
San Antonio, TX June 2012	New York, NY January 2014
Dallas, TX January 2013	Seattle, WA June 2014

**TC 6.2 Sub-Committees:**

<b>Committee</b>	<b>Chair</b>
Handbook	Steve Tredinnick
Membership	John Andrepont
Program	Blake Ellis
Research	David Wade
Standards	Kurt Liebendorfer
Tours	Victor Penar
Webmaster	Drew Overmiller

**Research Projects**

RP 1267, ASHRAE Design Guide for District Heating and Cooling Systems

**Technical Papers From Sponsored Research:**

None Current

**ACTIVITIES SHEET (Continued)**  
**ASHRAE TC 6.2 DISTRICT ENERGY**  
**Sunday, June 23, 2013 – Denver, CO**

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**TC 6.2 SPONSORED SYMPOSIA** (Past three years and this meeting)

[For future programs review the Program Subcommittee report]

<b>Year</b>	<b>Location</b>	<b>Program</b>	<b>Topic</b>
2010, June	Albuquerque		None
2011, January	Las Vegas		None
2011, June	Montreal		None
2012, January	Chicago		None
2012, June	San Antonio		None
2013, January	Dallas		None
2013, June	Denver		None

**TC 6.2 SPONSORED SEMINARS** (Past three years and this meeting)

<b>Year</b>	<b>Location</b>	<b>Topic</b>
2010, January	Orlando	None
2010, June	Albuquerque	None
2011, January	Las Vegas	None
2012, June	San Antonio	None
2013, January	Dallas	None
2013, June	Denver	None

**TC 6.2 SPONSORED FORUMS** (Past three years and this meeting)

<b>Year</b>	<b>Location</b>	<b>Topic</b>
2010, January	Orlando	None
2010, June	Albuquerque	None
2011, January	Las Vegas	
2011, June	Montreal	None
2012, January	Chicago	None
2012, June	San Antonio	None
2013, January	Dallas	None

**Journal Publications:** (Past three years) – None

## **Minutes of Meeting of: TC 6.2 District Energy Sunday, June 23, 2013 – Denver, CO**

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### **1. Call to Order:**

Chair Wade called the meeting to order at 3:05 PM. The Chair welcomed all in attendance, and self-introductions were made. An attendance sheet was passed and signed by those in attendance. A count of voting members occurred and a quorum was called (9 voting members present by the end of the meeting).

### **2. Setting of the Agenda:**

The Chair passed out an updated Agenda (**see Attachment 1**) and there were no suggested revisions.

### **3. Approval of Dallas Meeting Minutes**

Dallas meeting minutes were reviewed and no additions occurred at the time. There were some spelling/editing corrections. A motion was made to approve the minutes by J. Andrepont and seconded by V. Penar (9-0-0).

### **4. Section 6 Update:** John Dunlap(TAC Section Head for Section 6).

New sign-up sheets are required. Please update your bio's on the website. Please be sure to keep individual bio's up to date.

### **5. Sub-Committee Reports**

A. Long Range Planning. This has been removed.

B. Handbook: S. Tredinnick (Chair)

The handbook is current. And we have 1.5 years to update it. We will incorporate information from RP 1267 design guide into new updates of the chapter.

C. Membership: John Andrepont (Chair)

The official roster updates start July 1, 2013.

D. Programs: B. Ellis (Chair)

Denver-Design Guide seminar (RP 1267). Call for vote on programs upcoming in New York. J. andrepont made motion to accept, lite discussion of program, vote on motion passed 9-0-0. Some people have been contacted for Seattle programs (B. Ellis) for Society Tour.

E. Research: David Wade (Chair)

Update RTAR 1695 "Comparison of Computational Methods of Flexibility Analysis to Computer Modeling to Determine Thermally Developed L-bend, Z-bend, and U-bend Anchor Forces". This has been rejected.. By rejecting this RTAR, RAC is strongly suggesting to the TC that this particular topic be dropped from the TC research plan based on the information that has been provided.

F. Standards: K. Liebendorfer (Chair) no report, not present. We don't have a subcommittee. Thermal metering / pre-insulated standards are being developed that we are keeping updated on.

G. Tours: Vic Penar (Chair). Nothing to report.

H. Webmaster: Drew Overmiller

Please update your personal bio's. All the links are functional. We are consistent with the other TC's.

I. ALI Liaison: Emil Friberg (not present)

## **6. Industry Liaison Report**

a. IDEA – John Andrepont  
Upcoming meetings

27<sup>th</sup> Annual IDEA Campus Energy Conference, Feb 18-21, 2014- Atlanta, GA

105<sup>th</sup> Annual IDEA District Energy/CHP Conference and Trade Show, June 8-11<sup>th</sup> 2014- Seattle, WA. (Note that the 2014 ASHRAE Annual Meeting will also be in Seattle on June 28-July 2)

28<sup>th</sup> Annual IDEA Campus Energy Conference, February 16-19, 2015 – Miami, FL

106<sup>th</sup> Annual IDEA District Energy/CHP Conference and Trade Show, June 28-July 1, 2015 – Boston , MA.

Contact Rob Thornton, President

IDEA

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Go to [www.districtenergy.org](http://www.districtenergy.org) for more information.

Mr. Gary Smith of Sound Geothermal discussed the need to begin working with the District Energy Groups concerning hybrid systems and expanding the information in their chapters. When specific cases or questions arise that apply to the scope of 6.2, we will be contacted.

### **7. Old Business:**

- Any e ballot or ballot results have to be put into the minutes.

### **8. New Business/Industry Update**

John Dunlop introduced himself as TAC section head.

### **9. Meeting Adjournment:** Motion made to adjourn by V. Penar, seconded by J. Eldridge. (9-0-0)

- The meeting was adjourned at 4:45 pm.

Submitted by,  
Ken Collier  
TC 6.2 Secretary

