

# SUSTAINABLE BUILDING DESIGN COMMITTEE

Tuesday, March 22, 2005  
at  
Gausman & Moore  
700 Rosedale Towers  
1700 West Hwy 36, Roseville, MN  
651-639-9606

TO: Minnesota ASHRAE Sustainable Design Committee and Networking Organizations

FROM: Betti Iwanski, Gausman & Moore  
(Co-chair with Todd Courneya, Midwest Mechanical Solutions)

RE: **Meeting Minutes of March 22, 2005**

DATE: March 23, 2005

ATTENDEES: Betti Iwanski, David Williams, Leighton Deer, Rick Hermans, Todd Courneya

**NOTE:** If you do not wish to receive these minutes, please send an email to:  
[gmmail@gausman.com](mailto:gmmail@gausman.com). Please circulate minutes in your office and add names of representatives who can attend meetings and/or participate in the committee.

## 1. Old Business

- a. January Meeting Minutes: Approved
- b. Update on Green Survey (Dan) No report

### c. U of M and Dunwoody student group (Betti)

Dunwoody: Would like tour of KFI in May. Todd to contact KFI; Betti Dunwoody. MASDeC members invited. Can talk about committee to students.

U of M: George and Thomas interested in late afternoon presentation to students on topical subject of our choosing. Dunwoody students welcome to attend.

### d. February Refrigerant seminar (Leighton)

Well attended; positive feedback on McQuay presentation on E-friendly refrigerants  
Presentation to be posted on MN-ASHRAE web site

March Meeting – Energy Analysis – Practical tips for big picture analysis

### e. USGBC Mississippi Headwaters Chapter (Jim) – Feb 15th meeting

Leighton: Strategic plan on web site; Leighton on Communications Committee

2. Action Items/New Business

- a. ASHRAE Seminar update (Leighton) – April Education seminar: Newest ASHRAE 62 and Energy Efficient Management Controls (IAQ study on a public school)

Reminder: at Four Points Sheraton and Wednesday; Johnson Controls presentation

- b. MN ASHRAE Website update (Todd)

Will update our meeting schedule and forward to [communications@usgbcmn.org](mailto:communications@usgbcmn.org)

- c. Networking

- 1) USGBC Mississippi Headwaters Chapter (Jim)

Leighton Deer will ask about channels for sharing event dates and meeting schedules (could send to email address above)

- 2) Landscape Architects (Betti)

MASLA -MN chapter of American Society of Landscape Architects

Anne Okerman invites us May 5th late afternoon meeting (time to follow). Plan possible joint meeting or presentation. Topics of interest: Plant wall air filters, ground water retention, ground source heat pump relating to landscape features, grey water and irrigation.

- 3) Energy Engineers – AEE (Betti)

Twin Cities Chapter of the Association of Energy Engineers Terry Grabau (East Central Energy) invites us to a June 1st Tour of (3) sites: Farm – Methane to Fuel Cell; Elk River wind farm and third location.

**Let us know if you are interested in participating.**

- d. TEGA Joint meeting, wider audience for information (Betti)

Rick Hermans suggested that MASDeC commit to submitting many TEGA award applications for 2006 (only received one for 2005). Suggested Elk River Elementary School, first MN LEED-certified building. (Johnson Controls – engineer of record)

3. Upcoming Events

- a. LABS21, March 31<sup>st</sup> (Thursday) – sponsored by CALA, CSBR, IREE.  
[www.labs21century.gov](http://www.labs21century.gov)

US Dept of Energy program: Sustainable design for laboratories. Good web site.

- b. MN ASHRAE Seminar, April 13<sup>th</sup> (Wednesday) – Education seminar and national ASHRAE webcast on mold. [mn-ashrae.org](http://mn-ashrae.org)

- c. Integrated Design, April 25<sup>th</sup> (Monday) - (Rick) David Williams on panel for integrated design. CALA sponsored event.

Likely to discuss the difficulty achieving integrated design  
Main presenter, Bob Berkebile, is highly recommended as a presenter.

- d. LEED-NC Intermediate Workshop, April 26<sup>th</sup> (Tuesday) – USGBC [www.usgbc.com](http://www.usgbc.com)

Good opportunity for studying for LEED professional accreditation

- e. Greening the Heartland Conference: Cost, Practice and Policy  
May 31st to June 3rd Palmer House Hotel, Chicago)

USGBC and City of Chicago [www.greeningtheheartland.org](http://www.greeningtheheartland.org)

#### 4. Presentations

- a. Report on ASHRAE Winter Meeting (Jim Keller)

\$50 million committed for research and publications to follow *Advanced Energy Design Guide: Small Office Buildings* (30% over Std 90.1-1999) (Good guide for Architects who are very new to sustainable design and not using updates to 90.1-1999)

- b. Dedicated Outdoor Air Systems – DOAS (Leighton Deer)

- Stanley Muma, University of Pennsylvania, Instructor that Leighton had
- Issues with VAV in controlling desired/required OA to zones
- Two separate air handling systems, 100% OA with Energy recovery (enthalpy wheel) and second for cooling (sensible wheel) using either chiller or DX
- Recommended for higher occupant loads that varies a lot, not for constant load
- Prefer sensible cooling provided with radiant ceiling panels

Presentation will be posted on MN-ASHRAE website ([www.mn-ashrae.org](http://www.mn-ashrae.org))

#### Planning Events and Committee Dates

May 5 <sup>th</sup>	Attend part of MASLA (Landscape Architect) meeting	After 4 pm
May	Tour of KFI with Dunwoody (U-MN?) students	
	MASDeC meeting to plan July and September events	
	Post Updates to Green Product Directory – MN-ASHRAE and USGBC	
June 1 <sup>st</sup>	AEE (Energy Engineers) tour – alternative energy	All afternoon
July	USGBC joint meeting / tour of Minneapolis Public Library	
September	MASDeC Yearly Kick-off Event	Tour of Building in Bloomington (AIA-COTE?)
	MBO due to Chapter	
	Election of Chairs, Volunteers for presentations for next year	

**Input from Email MEMBERS**

**Your input is important to the vitality of the Committee. You sustain it.**

Indicate interest and participation in events listed above

Suggestions for TEGA award applications (will be due Jan 1, 2006)

Presentations for MASDeC and/or Chapter meetings (Refrigeration, Education)

Presentations for Students for 2005-2006

Nominations for Chair position for September 2006 voting

Ideas for MBO for submittal in September 2006

Articles for *The Exchanger*