



NFRC 2006 Summer Membership Meeting  
July 24-27, 2006, Minneapolis, MN

## Minutes

### Research Subcommittee

Tuesday, July 25, 2006

*Under Research and Technology Block: 8:30 am – 6:30 pm*

*Chair: Richard Biscoe, Architectural Testing, Inc.*

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#### 1. Call to Order

- a. Circulate attendance sheet
- b. Welcome to All Attendees ...Cell phones & pagers to Silent Mode
- c. Antitrust reminder
- d. NFRC Meeting Guidelines
- e. Review subcommittee voting requirements: one vote per member company

#### 2. Approve Minutes from March 2006 (San Diego) Meeting – Unanimous Approval

#### 3. Scott Hanlon (Staff) Appointed Recording Secretary

#### 4. Review and approve agenda

#### 5. Reports

- a. U-factor Rating of Domed Skylights PMTG (Dave De Block, Chair)
  - PMTG – consists of Dave DeBlock, John Lawton and Sue Reilly
  - Charlie prepared a report with the first phase of the project & to schedule a call with the PMTG in August.
  - Charlie summarized the scope of the project and work that has been completed with the SC.
  - Asked by the chair, Charlie believes the RFP (18 months) duration is still on schedule – due in January, 2007
- b. Investigation of Heat Transfer Effects of Sloped and Ventilated Internal Cavities of Framing Systems PMTG (Sam Yuan, Chair)
  - According to Sam, Gurjinder Singh is now Chair
  - Carli submitted draft final report & to schedule conference call with Gurjinder for discussion.
- c. Tubular Daylighting Devices PMTG (Dave De Block, Chair)
  - TDD test methodology procedure to be revised by PMTG, which is to include Willie DuPont, Sam Yuan, and Mike Thoman.
  - Expect a peer review report in 3 months.
- d. NFRC 100 and 102 Standardization RFP (Willie DuPont, Sam Yuan)
  - RFP to be submitted in fall 2006 meeting.

- e. Research Manual Review Task Group (Rich Biscoe)
  - Rich Biscoe to start TG back up and search for a new chair based on some discussion and requests by participants.
- f. Long Range Research Planning Task Group (Rich Biscoe)
  - L2RPTG – scope: to be addressed by Rich after further discussion with TG
- g. Research Funding Task Group (Steve Strawn)
  - Reported by Rich Biscoe – Disbanded. It is suggested that items falling within this TG shall be forward to L2RPTG – supported by Joe Hayden.
  - Marc LaFrance – Currently DOE funding is stable; Expect 200k for FY07; depending on spending & budget FY08 – 162k
- h. Research funding status (Rich Biscoe)
  - Staff displayed funding spreadsheet.
  - Rich to work with staff to compare budget / spending with bank statement

## 6. Unfinished Business

- a. Dave DeBlock is interested in having the RFP for simulation software revisited. Chair directed Dave to review the negatives that defeated the RFP and submit a revised RFP for further action.
- b. Willie duPont informed the SC that papers pertaining to SHG Research were delivered by David Tait at the Dallas ASHRAE meetings.

## 7. New Business

- a. Condensation Resistance Procedure for the Non-Residential Component Modeling Approach (Charlie Curcija)-Ballot

### NEGATIVES:

- **International Window Film Association** – withdrawn
- **Architectural Testing, Inc** – withdrawn

### APPROVED WITH COMMENT:

- **CEC** – No action necessary
- **Graham Architectural** – No action necessary
- **MC Square** – No action necessary
- **Pella** – Joe Hayden
  - **MOTION:** To accept comments as editorial
  - M/S Tom Culp / Bruce Croak
  - VOTE: Unanimous voice vote, no negatives, no abstentions
- **QTI** – Marles McDonald
  - **MOTION:** To find comments as non-persuasive
  - M/S Tom Culp / Bruce Croak
  - VOTE: Approved – 24; not approved – 3; Abstain – 6; – Motion passes.
- **WinBuild, Inc.** – No action necessary

**Carli** – Modified the RFP’s deliverables as recommended

**- MOTION: Move to approve Condensation Resistance for Component Modeling RFP as amended and forward to R&T.**

M/S Tom Culp / Mike Thoman

VOTE: Approved – 18; not approved – 1; Abstain – 4; – Motion passes.

- Bid review TG – Jeff Franson, Mike Thoman (Chair), Tom Culp, and Willie duPont

b. Non-Residential Frame Grouping Rules RFP (Charlie Curcija)-Ballot

**NEGATIVES:**

- **Associated Laboratories, Inc.** – Brad Schultz

- **MOTION:** To find comments as non-persuasive

M/S Tom Culp / Mike Manteghi

VOTE: Approved – 26; not approved – 1; Abstain – 13; – Motion passes.

**APPROVED WITH COMMENT:**

- **Pella** – Joe Hayden

- **MOTION:** To find comments as persuasive and editorial

M/S Tom Culp / Darrell Smith

VOTE: Unanimous voice vote, no negatives, no abstentions

- **WinBuild, Inc.** – No action necessary

**- MOTION: To move forward the framing grouping rules RFP to R&T for consideration with recommendation for approval.**

M/S Elaine Hebert / Tom Culp

VOTE: Approved voice vote - All, no negatives, 1 abstention – Motion passes.

- Bid review TG – Tom Culp (Chair), Mike Thoman, Sheila Gore, and Larry Livermore

c. Complex Product VT RFP (Mike Thoman)-Ballot

**NEGATIVES:**

- **Carli** – Mahabir Bhandari

- **MOTION:** To find comments as non-persuasive

M/S Dave DeBlock / Paul Jaster

VOTE: Approved – 17; not approved – 5; Abstain – 11; – Motion passes.

- **Sunergy Consulting** – Willie duPont

- **MOTION:** To withdrawal negative on specimen size and approve remaining comments as editorial

M/S Willie duPont / Elaine Hebert

VOTE: Unanimous voice vote, no negatives, no abstentions – Motion passes.

- **Carli** – Charlie Curcija
  - **MOTION:** To find comments as non-persuasive
  - M/S Dave DeBlock / Paul Jaster
  - VOTE: Approved – 7 (Chair vote); not approved – 6; Abstain – 20; – Motion passes.

**APPROVED WITH COMMENT:**

- **Andersen** – No action necessary
- **Azon** – No action necessary
- **Birch Point** – No action necessary
- **CEC** – Elaine Hebert / Nelson Pena
  - **MOTION:** To find comments as non-persuasive
  - M/S Willie duPont / Dave DeBlock
  - VOTE: Unanimous voice vote, no negatives, 1 abstention – Motion passes.
- **Graham Architectural** – No action necessary
- **LBNL** – No action necessary
- **Pella** – Editorial changes – accepted by Joe Hayden
- **WinBuild, Inc.** – Bipin Shah
  - **MOTION:** To find comments in Item #1 as persuasive and editorial. The RFP will be changed in order for monitoring the source spectrum is in place during testing.
  - M/S Willie duPont / Bipin Shah
  - VOTE: Unanimous voice vote, no negatives, no abstentions – Motion passes.
  - **MOTION:** To find comments in Item #2 as non-persuasive.
  - M/S Mike Thoman / Larry Livermore
  - VOTE: Approved – 14; not approved – 0; Abstain – 10; – Motion passes.
  - **MOTION:** To find comments in Item #3 (Task #1) as persuasive and editorial with the removal of the words “and membership”.
  - M/S Mike Thoman / Dave DeBlock
  - VOTE: Approved – 23; not approved – 0; Abstain – 3; – Motion passes.

**- MOTION: To move forward the amended Complex Product VT RFP to the R&T for approval and funding.**

M/S Dave DeBlock / Sheila Gore  
 VOTE: Approved – 9; not approved – 5; Abstain – 14; – Motion passes.

Bid review TG – Joe Hayden, Ross McCluney (Co-Chair), Willie du Pont (Co-Chair), Bipin Shah, Dave DeBlock, and Paul Jaster

- d. Willie duPont presented RFP for Revision of Standard Spectral Weighting Function for Solar Calculations

- **MOTION:** To approve 1 page summary and develop RFP

M/S Werner Lichtenberger / Bipin Shah

VOTE: Approved – 16; not approved – 4; Abstain – 11; – Motion passes.