

Draft Minutes



Research Subcommittee

Monday, March 14, 2005

Under Research & Technology - 7:30 am –1:30pm Block

Chair: Patrick Muessig – Azon USA, Inc.

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

2. Jessica Ferris appointed recording secretary (NFRC Staff)

3. Approve Minutes from October 12, 2004 Portland meeting.

Minutes were approved as written

4. Review and approve agenda.

5. Unfinished Business:
 - a) Review of the financial status of the research budget
 - b) Review of research project timelines
 - c) Effect of Surface Heat Transfer Coefficients on U-Factors for Projecting and Highly Conductive Products: *Final Report from Charlie Curcija - MTG (Tom Culp, Chair)*

Move that final project report for “Effect of Surface Heat Transfer Coefficients on U-Factors for Projecting and Highly Conductive Products” be accepted, the project completion be approved, and moved forward to the R&T Committee. We recommend authorization of 90% of payment to the contractor with remaining 10% to be paid upon submission of peer review paper.

M/S Tom Culp
Roland Temple

Approved: 25; Opposed: 0; Abstained: 2
Motion passes

Comment: Ken Nittler requests that this project arrangement become standard practice for the NFRC and that this be brought up at R&T meeting.

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- d) 3D Heat Transfer Effects in Fenestration Products: *Final Report from Charlie Curcija -PMTG (Jeff Baker, Chair). Project completed and requesting approval of final report to Research subcommittee. – will present at end of meeting.*

Move that the final report for “3D Heat Transfer Effects in Fenestration Products” be accepted, the project completion be approved, and moved forward to the Research & Technology Committee, with a recommendation to pay the contractor 90% of the contract value with the remaining 10% paid upon submission of the peer review paper.

M/S/P – Jeff and Roland

Approve: 21; Opposed: 0; Abstained: 3
Motion passes.

- e) NFRC 201 Calibration & Comparison Testing Draft RFP. *Report from BRTG (Steve Strawn, Chair).*

- Formation of PMTG.
Steve Strawn – no news to report.

- f) U-factor Rating of Domed Skylights Draft RFP. *Report from BRTG (Roland Temple, Chair).*

- Formation of PMTG.
Roland Temple – Project Monitoring TG Roland Chair

Sam Yuan
Brad Schultz

- g) Thermal Comfort Rating. *Report from PMTG (John Hogan, Chair).*
Report by John Hogan: Draft report in July and final in September.

- h) Investigation of Heat Transfer Effects of Sloped and Ventilated Internal Cavities of Framing Systems. *Report from PMTG (Sam Yuan, Chair).*

Presentation from Charlie Curcija – first Progress report.

- i) Publication of ASHRAE Papers: *Report from PMTG (Brian Crooks, Chair).*

- Glass Block SHGC.
- Attachments SHGC

Joe Hayden reporting: Funding for this approved about 6 years ago; however, these papers not completed.

Move that the Research Subcommittee accept the PMGT recommendation that the project to fund the two ASHRAE papers (Attachments SHGC and Glass Block SHGC) be finalized at the July 2005 meeting by one of the 2 actions:

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- 1) The project be ruled complete, the papers be ruled as acceptable, and payment of the remaining \$3750 be authorized.

- or -

- 2) The project be pulled from the contractor due to breach of contract.

M/S/P Joe Hayden
 Roland Temple

Approved: 33; Opposed: 0; Abstain: 1
Motion passes

- j) U-factor Rating of Tubular Daylighting Devices. *Report from PMTG (Dave De Block, chair)*

Mike Thoman reporting for Dave De Block: May 25th is the target date to complete the project and final results ready for approval in July.

- k) NFRC 100 & 102 U-factor Standardization Draft RFP. *Presentation by Willie DuPont.*

- Formation of BRTG.

Willie DuPont: this is a moving target – a lot more to this than meets the eye. Hopes to have this report for next meeting.

- l) Temperature Effects on Air Leakage in Commercial Buildings Draft RFP and Responses from web-site posting. *Presentation by Mike Manteghi. Research work done by others further before resubmitting.*

Still researching this issue

- m) Condensation Research Draft RFP. *Presentation by Jeff Baker.*

- Formation of BRTG.

Still working on this

- n) Entrance Door Systems Labeling Draft RFP (review BRTG suggestion). *Presentation by Dave Deblock (Patrick Muessig)*

- Formation of PMTG

Patrick Muessig presenting for Dave Deblock – recommendation under normal.

Move to accept the BRTG recommendation to award the bid on “Entrance Door Data Review” to Enermodal in the amount of \$4984.

M/S Joe Hayden
 Steve Strawn

Approve: 23; Opposed: 0; Abstain: 3 - Motion passes

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TG Members:

Dave De Block – Chair
Marcia Falke
Steve Strawn
Gurjinder ETC

- o) Development of a Model for Determining Solar Transmittance for Single Layer of Coated Glass as a Function of Angle of Incidence of Solar Radiation Draft RFP. Comments from Mike Rubin to be addressed - *Presentation by Jason Theios, Chair.*

- Formation of BRTG

Nothing to report

- p) CTS Project – Joe Hayden

- Formation of PMTG

Members: Willie DuPont – Co Chair
Sam Yuan – Co Chair

Chris Mathis recommends outside the membership for this task group and Willie DuPont recommends a manufacturer.

- q) Long Range Research Planning. *Report from Task Group (TBD, Chair)*

Chair of Task Group -Rich Biscoe

- r) Research Manual Review Task Group. *Report from Task Group (Rich Biscoe, Chair).*

Ballot: Updating Research Manual

Negatives:

1) Pella – Should incorporate summary page as opposed to one-pager; has editorials as well.

4.5.1 – break out paragraph a bit. And 21 days time limit for expedited action approval –

If an objection to this project is not an expedited one – Willie says that there should be language included to this effect.

Straw pole of 21 days.

5.10 – editorial

6. – editorial

Appendix E – Bid review forms and individual project bid forms should be confidential.

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Motion: Pella's negatives on this ballot are persuasive and editorial

M/S Chris Mathis

Tony Rygg

Approve: 18; Oppose: 0; Abstain: 5 - Motion passes

2) Sunergy Consulting negatives:

a. Number every paragraph

b. In addition to an e-mail requirement, this should be posted to the website immediately;

c. Only Members can object to the expedited process

Move to find Sunergy's comments regarding posting on the NFRC website and objections from Members only be ruled persuasive and editorial, except the comment on posting on the website be changed to "immediately" rather than "the same day." Also, clarify that the 21-day period begins when the e-mail notification is sent out.

M/S Joe Hayden
Chris Mathis

Approved: 17; Opposed: 0; Abstained: 4 - Motion Passes

Approved with comments: AZS comments covered by Pella's

Move to move the approved research manual to the R&T Committee for consideration to be immediately adopted for use at which time the current research manual shall be sunset.

M/S Richard Biscoe
Willie DuPont

Approved: 20; Opposed: 0; Abstained: 2 - Motion Passes

4) Annex G – form K – Sunergy Consulting Comment: should be a stand alone document as opposed to part of the manual – as a supplement and all references changed in document

Move to remove Annex G into separate document (supplement) that is distributed with bid requests (by e-mail, mail, or website). The references in the document will be changed accordingly.

M/S Willie DuPont
Charlie Curcija

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Approved: 15; Opposed: 5; Abstained: 9 - Motion Passes

- s) Research Funding Task Group. *Report from Task Group (Steve Strawn, Chair)*

Nothing to report at this time.

- t) Summary Page Review Evaluation of existing test methods for non-specular visible light transmittance. *Presentation by Dick Troyer.*

Nothing to report

- u) Other Unfinished Business – None

6. New Business:

- a. RFP Summary Page – Determination of Internal Shading Usage and Temperature Set points in Residential Homes (AEP) – Tom Culp – merit of project is costly - \$60,000.

Move to recommend that the one-pager, “Determination of Internal Shading Usage and Temperature Set points in Residential Homes (AEP)” be approved and a draft RFP be prepared for next meeting.

M/S Tom Culp
Elaine Hebert

Approved: 18; Opposed: 5; Abstain: 5 - Motion passes

- b. Other new business – Charlie Curcija – summary page distribution – will be first on list at next meeting.
- c. Staff to post projects on website – per Pat Muessig

7. Future Meeting Schedule. Quebec – July

8. Meeting adjourned – 11:34 AM.